SCS ENGINEERS



Phase I Environmental Site Assessment

Assessor's Parcel Numbers 469-021-18, 469-130-37, -38, -39, and -42 7401 Alvarado Road La Mesa, California 91942

Presented to:

RV COMMUNITIES, LLC
C/O A&I DEVELOPMENT COMPANY
7855 Herschel Avenue, Suite 201
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Presented by:

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October 30, 2018
Project Number: 01218237.00

October 30, 2018
Project Number: 01218237.00

RV Communities, LLC
c/o Mr. Michel Brekka
A&I Development Company
7855 Herschel Avenue
La Jolla, California 92037

Subject: **Phase I Environmental Site Assessment (Assessment)**

Site: **Assessor's Parcel Numbers (APNs) 469-021-18, 469-130-37, -38, -39, & -42**
7401 Alvarado Road
La Mesa, California 91942

Dear Mr. Brekka:

SCS Engineers (SCS) is pleased to present this report (Report) of the Assessment of the above-described Site. This Report summarizes the results of the Assessment that was conducted in order to evaluate the Site's current environmental conditions. The work described in this Report was performed by SCS in general accordance with Exhibit 00 to the Consulting Agreement between SCS and A&I Development Company (Contract). Exhibit 00 was fully and the Contract were fully executed on October 3, 2018.

Because your full understanding of the Assessment is important to us, SCS recommends that you read the Report in its entirety. However, if time does not allow you a complete reading, summaries may be found in text boxes at the end of each section (pages 12, 25, and 30), and our conclusions may be found on page 31. A glossary of terms commonly used in environmental assessments is also provided in the Appendices to this Report.

SCS enjoyed working with you on this project. Providing economical environmental solutions to meet your needs is more than our goal—it is our mission and the measure of our success. If we may assist you in any way, now or in the future, please call our office at (858) 571-5500.

Sincerely,

Allison O'Neal
Associate Professional
SCS ENGINEERS

Luke Montague, MESM, PG 8071
Project Manager
SCS ENGINEERS

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1 BACKGROUND

Based on conversations with RV Communities, LLC (Client) and a review of in-house databases, SCS Engineers (SCS) understands that 7401 Alvarado Road La Mesa, California (Site), consists of five parcels of land in San Diego, California (Figure 1). The Site is developed with 174 full hookup RV sites, one two-story office/club house/supply office, one swimming pool and spa, two single story laundry/restroom/storage buildings, one landscaping shed, and one electrical building. The Client currently owns and is planning to redevelop the Site; however, specific redevelopment plans are reportedly not known at this time.

A review of the in-house ParcelQuest database of information from the San Diego County Assessor's Office provided the following information in connection with the Site.

APN	Address	Area	Description	Improvements Information
469-021-18	7401 Alvarado Road	11.7 acres	RV Park	509,261 square feet, constructed 1953
469-130-37	Alvarado Road	0.19 acres	RV Park	8,470 square feet, constructed 1953
469-130-38	Alvarado Road	0.16 acres	RV Park	6,994 square feet, constructed 1953
469-130-39	Alvarado Road	0.16 acres	RV Park	6,890 square feet, constructed 1953
469-130-42	Alvarado Road	0.37 acres	RV Park	16,300 square feet, constructed 1953

2 STANDARDS BACKGROUND

This Assessment was conducted in general accordance with the following:

- U.S. Environmental Protection Agency (EPA), 40 Code of Federal Regulations (CFR) 312, Standards and Practices for All Appropriate Inquiries; Final Rule (AAI)
- American Society for Testing and Materials (ASTM) Standard Practice for Phase I Environmental Site Assessment Process E1527-13
- The scope, conditions, and limitations of Exhibit 00

The Client understands that the above-referenced EPA and ASTM standards were not developed to identify all environmental risk to property. The standards were developed to allow a user (Client) to qualify for the innocent purchaser defense, bona fide prospective purchaser defense, and contiguous property owner defense to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA, a.k.a. Superfund) liability. This Assessment is intended to constitute an appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice, as part of the due diligence

process required by CERCLA, the Superfund Amendments and Reauthorization Act of 1986, and the Small Business Liability Relief and Brownfields Revitalization Act of 2002 (collectively, Acts).

While this Assessment may initially qualify the Client for a CERCLA defense, after purchase, there may be continuing obligations that must be implemented in order to preserve this defense through the term of property ownership. There may be additional requirements under state law that also apply. The Client should contact qualified legal counsel regarding matters of liability, interpretation of the Acts, and potential continuing obligations. Although it is outside the scope of this Assessment, SCS would be pleased to work with the Client's legal counsel to develop and implement a strategy to preserve the Client's CERCLA liability defenses through the term of its ownership.

This Assessment focused on potential sources of hazardous substances and petroleum products that could be considered either a recognized environmental condition,[1] controlled recognized environmental condition[2], or historical recognized environmental condition[3], and potentially a liability due to their presence in significant concentrations (e.g., above acceptable limits set by the federal, state, or local government) or due to the potential for exposure and risk due to contaminant migration and complete exposure pathways (e.g., soil vapor inhalation or groundwater ingestion). Materials that contain substances that are not currently deemed hazardous by the EPA or the California Environmental Protection Agency were not considered as part of this Assessment.

Unless specifically included in SCS' scope of services, building materials such as asbestos, lead-based paint, urea formaldehyde, and pressure-treated lumber, as well as lead in drinking water, are not considered in this Assessment, nor are building issues such as fire safety, indoor air quality (with the possible exception of vapor intrusion), mold, or similar matters. SCS did not evaluate the Site for compliance with land use, zoning, wetlands, or similar laws. This

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1 *Recognized environmental conditions,* as defined by ASTM, include the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. However, the term is not intended to include *de minimis* conditions (a condition that generally does not present a threat to human health or the environment and that generally would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies). A condition considered de minimis is not a recognized environmental condition.

2 *Controlled recognized environmental condition*, as defined by ASTM, is a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity use limitations, institutional controls, or engineering controls).

3 *Historical recognized environmental condition,* as defined by ASTM, is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Assessment also excludes regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, and high-voltage power lines. This Assessment is not intended to be an environmental compliance audit.

Hazardous substances occurring naturally in plants, soils, and rocks (e.g., heavy metals, naturally occurring asbestos, and radon) are not typically considered in these investigations. Similarly, construction debris (e.g., discarded concrete, asphalt) is not considered, unless obvious indications suggest that hazardous substances are likely to be present in significant concentrations or likely to migrate.

An evaluation of business environmental risk associated with a parcel of commercial real estate may necessitate investigation beyond that included herein.

3 OBJECTIVE

The objective of the scope of services was to assess the likelihood that recognized environmental conditions are present at the Site as a result of the current or historical Site land use or from a known and reported off-Site source.

4 SCOPE OF SERVICES

The scope of services designed and conducted to meet the objective was as follows:

- Site Reconnaissance, Site Research, Interviews, and User Requirements
- Topography, Geology, Hydrogeology, and Water Quality Survey
- Site Vicinity Reconnaissance and Off-Site Source Survey
- Historical Site and Site Vicinity Land Use Review
- Identification of Data Gaps
- Data Evaluation, Figure Preparation, and Assessment Report Preparation

SITE RECONNAISSANCE

On October 10, 2018, SCS personnel conducted a Site reconnaissance to observe and document existing Site conditions[i]. The general Site location is shown in Figure 1, and a Site and Site Vicinity Plan is shown in Figure 2. Selected color photographs of the Site and Site vicinity are presented as Figures 3a through 3j.

The interiors of the Site buildings were observed, and the Site grounds and Site perimeter were systematically traversed on foot during the Site reconnaissance. Adam Evans, General Manager, accompanied SCS personnel, provided access to the observed features, and answered questions posed by SCS personnel.

General Information

The following table summarizes general information in connection with the Site.

APN	469-021-18, 469-130-37, -38, -39, and -42
Address	7401 Alvarado Road La Mesa, California 91942
Area	12.58 acres
Site Land Use	Commercial
Occupant	San Diego RV Resort
Figure Reference	Figures 3a-1 and 3h-1

Site Buildings

The following table summarizes information in connection with the Site buildings.

Number of Buildings	*5*
Interpreted Construction Date	Circa 1953
Number of Stories	1 to 2
Construction Type	Wood frame, concrete slab-on-grade foundations
Figure Reference	Figures 3a-1, 3c-2, 3e-1, and 3g-2

The buildings consist of one two-story registration office/club room/supply office/conference space/fitness center, two single-story laundry room/restroom/storage buildings, one single story landscaping shed, and one single-story electrical housing building. There were no obvious indications of the storage of hazardous materials or hazardous waste observed.

The eastern portion of the Site was observed to be occupied by one single-story laundry room/restroom/storage building and one single story landscaping shed (Figure 3e-1). Storage of 1 – 5 gallon cans and a bucket of paint were observed in the storage room (Figure 3f-1). Several 1 to 3 gallon gas canisters were observed in use for lawn mowers and Mr. Evans noted that they are stored in the landscaping shed.

The western portion of the Site was observed to consist of one single-story laundry room/restroom/storage building and one single-story electrical housing building (Figure 3g-2).

The middle to eastern portion of the Site was observed to be occupied by one two-story registration office/club room/supply office/conference space/fitness center (Figure 3a-1). A chemical storage cabinet, small retails quantities of commercial cleaners, and a floor drain were observed in the supply office (Figures 3c-2 - 3d-2).

Site Grounds

The Site grounds were observed to be occupied by 174 full hookup RV sites that have water and sewer access (Figures 3a-2 – 3c-1). All sites and roads were paved with asphalt and concrete. The northern grounds adjoining Alvarado Road were observed to be enclosed by a metal post fence that had metal security coded gates and doors to access the RV park. The southern part of the grounds were observed to be enclosed by a 5-foot high by approximately 20-foot long concrete brick wall (Figure 3j-1). There were portions of chain-link fence and wooded fence also observed enclosing the Site in the eastern and western sections. The trash disposal area was observed to be three dumpsters and several recycle cans enclosed by a chain-link and wooden fence. Alvarado Creek was observed in a concrete lined drainage swale flowing west along the southwest perimeter of the Site then transecting through the Site grounds in the eastern portion (Figure 3h-1 and 3h-2). A propane tank was observed south of the registration office (Figure 3f-2). Five pole-mounted electrical transformers were observed throughout the Site (Figures 2, 3g-1, and 3g-2).

Hazardous Materials / Petroleum Products

With the possible exception of small retail quantities of paint, commercial cleaners/chemicals, gasoline, and propane (Figures 3f-1, 3d-1, 3d-2, and 3f-2), no obvious indications of the storage or use of hazardous materials and/or petroleum products were observed at the Site during the Site reconnaissance.

Hazardous Materials / Petroleum Products	Storage Location	Approximate Amount
Paint	Eastern storage building	SRQs
Commercial cleaners/chemicals: Limelite, Pinalen, Wasp & Hornet Killer, WD-40, etc.	Registration office/supply office	SRQs
Gasoline	Landscaping shed	SRQs
Propane	Tank	Unknown

Note:
SRQs = Small retail quantities; i.e., quantities of hazardous materials in containers of 5 gallons or less, and less than 50 gallons in aggregate.

The hazardous materials and petroleum products were observed to be stored in their original containers with no obvious evidence of spills or releases.

Hazardous Wastes

No obvious indications of the generation of hazardous wastes were observed at the Site during the Site reconnaissance.

On-Site Utilities

Gas and Electricity	Reported to be San Diego Gas and Electric (SDG&E)
High-power Transmission Lines	None observed at or adjacent to the Site
Storm Drains	None observed to be located at the Site
Source of Heating and Cooling	Reported to be SDG&E
Potable Water Source	Reported to be supplied by the City of La Mesa, Helix Water District
Wastewater Conveyance	Reported to be operated by the City of La Mesa Sewer Service

Five SDG&E pole-mounted electrical transformers were observed to be located at the Site. SDG&E has been contacted regarding the possibility of polychlorinated biphenyls (PCBs) being present in its transformers. SDG&E reported that it has never specified PCBs in their transformers. A copy of a letter from SDG&E explaining this and its PCB testing policy is included in the Appendices. No obvious indications of leaks, such as stained concrete, were noted near the transformers. No obvious indications of leaks, such as stained pavement, were noted beneath the transformers.

With the exception of the propane tank, no obvious indications of wells, cisterns, pits, sumps, dry wells, or bulk storage tanks were observed at the Site.

SITE RESEARCH

Department of Environmental Health (DEH) File Review

The DEH was contacted[ii] and the file for the Site was reviewed. The DEH file for the Site includes a Kleinfelder/San Diego Gas and Electric, *Natural Gas Line 49-17 60-Day Report* dated May 1, 2015 (60-Day Report) that was part of a Pipeline Safety Enhancement Program. The 60-Day Report documents three soil borings (B6, B7, and B8) that were drilled in the right-of-way on the southern portion of Alvarado Road, adjacent to the Site. Groundwater samples and soil samples were collected from various depths and analyzed by a laboratory for various environmental parameters, including total petroleum hydrocarbons (TPH), Title 22 metals, and volatile organic compounds (VOCs). A soil sample from 3 feet deep from soil boring B-6, advanced adjacent to the 70th Street Trolley Station off Alvarado Road, was reported with 120 micrograms per kilogram of TPH in the C9-C10 range. A groundwater sample collected from boring B6 was reported with 93 milligrams per liter of TPH. No TPH or VOCs were reported in groundwater from samples collected from borings B-7 and B-8. Soil borings B-7 and B-8 were advanced in the Alvarado Road right-of-way and on each side of Alvarado Creek, adjacent to the Site. A soil sample collected from boring B-8 at 2 feet deep was reported with 200 mg/kg of TPH and 40 mg/kg of arsenic. Note that deeper soil samples contained elevated arsenic as well (i.e. sample B-8-16 from 16 feet below grade was reported with 19.3 mg/kg of arsenic, and the

soil sample collected from 15 feet below grade from boring B7 contained 24.9 mg/kg arsenic); therefore, it is possible that the elevated arsenic is naturally occurring. No additional TPH was reported in deeper soil samples from boring B-8 or from any soil samples collected from boring B-7, and considering that the 2-foot sample collected from boring B-8 was adjacent to the road, it is likely that the TPH is a result of asphalt paving in the road. Based on the relatively low concentrations of TPH reported in groundwater in the Site vicinity, the reported arsenic and low concentration of shallow TPH in soil within the Alvarado Road right-of-way adjacent to the Site, and the lack of an open unauthorized release case related to these findings by the DEH, these reported constituents of concern are not considered to represent a recognized environmental condition to the Site.

Review of Client-Provided Documents

The Client provided a report titled *Review of Historical Land Uses and Assessment of the Likelihood of Toxic or Hazardous Materials Contamination for the La Mesan Mobile Lodge, La Mesa, California*, which was prepared by Michael Brandman Associates (MBA) and dated May 30, 1990. This report provided the following conclusions and recommendations in connection with the Site:

- Conclusions: In the course of interviews with the public officials and the current property manager, review of available aerial photographs and public records, and an inspection of the site and adjacent properties, no notable evidence was discovered indicating the presence of hazardous wastes or materials at the La Mesan Mobile Lodge located at 7401 Alvarado Road. However, due to the proximity of the subject property to the La Mesa RV Center, which had four leaking USTs, it is possible that the subject property could have soil and/or groundwater contamination from petroleum products (waste oil and leaded gasoline). However, the San Diego RWQCB and the Department of Health Services for San Diego County have identified the La Mesa RV Center as the point source of the contamination and are pursuing their investigations to assess liability to the La Mesa RV Center.

- Recommendations: Based on the data evaluated and presented in this report, MBA does not recommend that any soil or groundwater sampling be done at this time. With regard to the current stage of construction of the building scheduled for remodeling, no asbestos sampling would be required unless other demolition is planned. Prior to the demolition and/or renovation of any other structures, MBA recommends these other structures be tested for ACM.

The Client provided a report titled *Report of Preliminary Geotechnical Investigation, Paydar Apartment Project* which was prepared by GEi Geotechinical Exploration, Inc. and dated June 30, 2004. This report provided the following conclusions and recommendations in connection with the Site:

- Conclusions and recommendations: Our investigation reveal that the building site is underlain by a thin veneer of fill soils that are, in turn, underlain by cobble conglomerate formational materials. Stream deposits underlie the fill soils along the southern perimeter of the site. The prevailing formational materials encountered on the site are dense and are

of very low expansion and consolidation potential. These variable density fill soils and stream deposits will not provide a stable soil base for the proposed structures and associated improvements. As such, we recommend that these soils be removed and recompacted as part of site preparation prior to the addition of any new fill or structural improvements. It appears that excavation for the subterranean garage level will result in the removal of all of the fill soil and stream deposits in those areas. It is our opinion that the formation materials will provide adequate support for the proposed structures and improvements. Excavation for the subterranean parking garages will result in the removal of the 10 to 12 feet of soil at the structure locations. The encountered sandy soil and cobble material on the site are considered to be acceptable for export from the site. A shoring system may need to be installed in the areas of the planned garage basement excavations. In some areas of the site loose cohesionless soils may be encountered. Dewatering will most likely be necessary during excavation for the subterranean garage levels. Details on Site Preparation, Design Parameters for Foundation and Retaining Walls, Shoring Design Parameters, Retaining Walls, Slopes, Floor Slab Vapor Transmission, Site Drainage Considerations, and General Recommendations were included.

The Client provided a report titled *Preliminary Report* which was prepared by Ticor Title and dated November 18, 2013. This report provided the following conclusions and recommendations in connection with the Site:

- Response to the application for a policy of title insurance, policies are set forth insuring against loss.

The Client provided documents from Ticor Title dated November 4, 2013.

- No Environmental Lien or Activity and Use Limitations are included.

The Client provided a report titled *Civil Site Plan with Building BMPs* and dated May 21, 2018.

- Proposed stormwater Best Management Practices (BMPs) plan for the Site.

Fire Department Records Review

The City of La Mesa Fire Department (LMFD) was contacted regarding hazardous materials/waste or UST records for the current and historical Site addresses of 7407 Alvarado Road[iii].

A response from the LMFD had not been received as of the time of publication of this Report.

Building Department Records Review

La Mesa Building Department (LMBD) records were reviewed for the Site [OR for the current and historical Site addresses of 7407 Alvarado Road Le Mesa, CA 91942], and are summarized in the table below[iv]. Copies of the LMBD records for the Site are included in the Appendices.

Year	Description	Reported Applicant/Owner
1953	Build Two Restrooms	Cosgrove
1954	Drainage channel for Alvarado Creek*eroded neighbors land	Cosgrove
1954	Build Swimming Pool	Cosgrove
1954	Build Rest. Lounge & Rumpus Rm's & Mail Rm	Cosgrove
1954	Build Comfort Station for Trailer Court	Cosgrove
1954	Build Filter Room & Office Rooms, 2 story	Cosgrove
1955	Build Residence	Cosgrove
1957	Build 49 slabs, 49 storage lockers, Restroom & utility Bldg,	Cosgrove
1958	Build Patio cover	J.D. Anderson
1958	Build Office Addition	NA
1979	Install Carport 8x20	Cosgrove
1980	Build Porch	NA
1983	Verify embankments, placement of sandbags, and masonry block walls, Alvarado channel improved*	Catlin
1983	Alvarado channel improved accommodate 2000 cfs flow*	Bras
1983	Mobile home	NA
1984	Demolition of garage	Cosgrove
1984	Mobile Home set space 173	Hal Ansley
1984	Compliance inspection for mobile home	Bernard Kinney
1984	Build new structure around new existing electrical panel box	Cosgrove
1986	Installation of spa	Cook
1987	Change of ownership, permit to operate mobile home park	Bouse
1988	Unauthorized alterations to metal building	Billings and Kuntzel
1988	Mobile Home Installations	NA
1990	Repair to existing restroom	NA
1990	Remodel existing residence	NA
1990	Replace potable water system underground	NA
1995	Addition to mobile home site 168	Williams

Year	Description	Reported Applicant/Owner
1999	Insulation install	Williams-Duren
1999	Multi-family alteration	NA
2000	Combo building permit	NA
2000	Improvement, gunite spa	NA
2000	Bath/Laundry remodel	NA
2000	Sign permit	NA
2000	Fence and gates	Paydar
2001	Build deck an awning	NA
2001	Build deck and awning	Louis
2004	Replace 47 meter pedestals for pads	RV Communities LLC
2018	Keep non-conforming retaining wall, brick building, other	Brekka

*Historic records of flooding in western section of the Site from the Alvarado Creek Channel. Please see the 'Historical Site Land Use' section for more details.

San Diego Air Pollution Control District (SDAPCD) Records Review

The SDAPCD was contacted[v] regarding records for the Site. According to Ms. Cynthia Gould of the SDAPCD no records are found for the Site.

San Diego Industrial Wastewater Program (IWP) Records Review

The IWP was contacted[vi] regarding records for the Site. According to the IWP, there are no records for the Site.

Regional Water Quality Control Board (RWQCB) Records Review

The San Diego RWQCB was contacted[vii] regarding records for the Site. According to the RWQCB, one record for trenching the Alvarado Creek channel bank to repair a damaged sewer main and stabilize the bank was found.

Environmental Lien Search

An Environmental Lien Search was requested from Nationwide Environmental Title Research (NETR).[i] NETR reported that no environmental liens and no other activity and use limitations (AULs) were found for the Site. A copy of the NETR report is included in the Appendix.

INTERVIEWS

The previously referenced EPA and ASTM standards require that attempts be made to conduct interviews with past and present owners and occupants of the Site to obtain information indicating recognized environmental conditions in connection with the Site. As part of this Assessment, the following contacts were either interviewed or attempts were made to conduct interviews.

Contact	Affiliation to Site	Description	Interview Date
Mr. Michael Brekka	VP Real Estate Development	Discussed below	October 2, 2018
Mr. Adam Evans	General Manager	Discussed below	October 10, 2018

Mr. Evans stated that, to his knowledge, and with the possible exception of typical construction related activities, hazardous materials and petroleum products were not used or stored at the Site and that hazardous wastes were not generated at the Site. Also, to his knowledge, there have been no releases of hazardous materials, petroleum products, and hazardous waste at the Site.

Mr. Brekka stated that he was not aware of environmental cleanup liens or activity and use limitations (e.g., engineering controls, deed restrictions) that have been recorded for the Site. He was not aware of pending or threatened litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Site. He was not aware of notices from governmental entities regarding possible violations of environmental laws or possible liability relating to hazardous substances or petroleum products at the Site.

USER REQUIREMENTS

In order to qualify for one of the landowner liability protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (discussed in the "Background" section), 40 CFR 312 requires that the user (Client) provide the following information to the environmental professional. Mr. Michael Brekka completed the User Questionnaire on October 2, 2018. The following table summarizes the responses by the Client.

Question	Response
Have environmental cleanup liens been filed or recorded against the Site?	No
Are activity or land use limitations in place at the Site, or have they been filed or recorded in the registry?	No
Does the user have specialized knowledge or experience in connection with the Site?	No
Does the purchase price being paid for the Site reasonably reflect the fair market value of the Site?	Yes

Is the Client aware of commonly known or reasonably ascertainable information about the Site that would indicate releases or threatened releases?	No
Are there obvious indications that point to the presence of contamination at the Site?	No

DATA GAPS IN CONNECTION WITH CURRENT SITE LAND USE

Based on observations and research, and with the possible exceptions discussed below, there are no obvious indications of data gaps in connection with the current Site land use:

- As of the time of publication of this Report, records had not been received from the LMFD. This data gap is not a significant data gap in our opinion based on the availability of other relevant information.

Findings and Opinions—Current Site Land Use
Based on observations and research, it is our opinion that there are no recognized environmental conditions at the Site as a result of the current Site land use.

TOPOGRAPHY, GEOLOGY, HYDROGEOLOGY, AND WATER QUALITY SURVEY

Topography

A topographic map for the Site vicinity was reviewed and is summarized in the following table.

Reported Elevation	420 feet above mean sea level
Reported Slope Direction	Slopes down to the northwest
Source	U.S. Geological Survey, 20120323, USGS US Topo 7.5-minute map for La Mesa, CA 2012: USGS - National Geospatial Technical Operations Center (NGTOC).

Alvarado Creek was observed in a concrete lined drainage swale flowing west along the southwest perimeter of the Site then transecting through the Site grounds in the eastern portion (Figures 2, 3h-1, and 3h-2).

Geology

A geological map for the Site vicinity was reviewed and is summarized in the following table.

Reported Formation	Stadium Conglomerate (middle Eocene)
Reported Description	The Stadium Conglomerate consists of a massive cobble conglomerate with dark yellowish-brown, coarse-grained sandstone matrix.

Source	Kennedy, Michael P., and Siang S. Tan, *Geologic Map of the San Diego 30′ × 60′ Quadrangle, California*, California Geological Survey, 2008

Hydrogeology

Data regarding depth to groundwater and flow direction for the Site were not readily available. In the absence of Site-specific data, depth to groundwater and flow direction information was reviewed for properties within the Site vicinity using the State Water Resources Control Board GeoTracker database. The following table summarizes the results of this review.

Property Location	7241 Alvarado Road (approximately 0.24 mile west of the Site)
Reported Depth	6 to 9 feet below grade
Reported Flow Direction	Northwest
Source	Voluntary Assistance Program (VAP), Former SID Auto Body, 7241 Alvarado Road, La Mesa, California, dated October 18, 2005

Many variables influence depth to groundwater and flow direction and that the actual depth to groundwater and flow direction at the Site may be different than presented in this section.

Water Quality Survey

The following table summarizes the reported water quality in the Site vicinity.

Reported Hydrologic Area	Lower San Diego Hydrologic Area (907.10)
Reported Hydrologic Unit	San Diego Hydrologic Unit (907.00).
Reported Beneficial Use	Agricultural, industrial, and municipal and domestic supply
Source	California RWQCB, San Diego Region, *Water Quality Control Plan for the San Diego Basin*, September 8, 1994, with amendments effective prior to April 25, 2007.

SITE VICINITY RECONNAISSANCE AND OFF-SITE SOURCE SURVEY

Current Site Vicinity Conditions

The following table summarizes land use and observations in the immediate Site vicinity[viii]. For the purpose of this Report, the immediate Site vicinity includes those properties judged to be adjacent[4] to the Site.

4. *Adjacent* is defined by ASTM E1527-13 as any real property or properties the border of which is contiguous or partially contiguous with that of the Site or that would be contiguous or partially contiguous with that of the Site but for a street, road, or other public thoroughfare separating them.

Direction	Land Use	Comments
North	Single Family Residences (SFR) 5210 & 5215 Maryland Avenue, SFR 5210 & 5215 Guessman Avenue, Seta Apartment Homes (7300 – 7390 Parkway Drive) (Figure 3j-2), The Cove Apartments (7400 – 7490, Parkway Pointe Condominiums (7500 – 7510 Parkway Drive)	No obvious indications of the use, storage, or generation of hazardous materials/wastes or petroleum products were observed.
East	Bob Stall Chevrolet (7601 Alvarado Rd) (Figure 3i-2)	Hazardous materials/wastes or petroleum products use, storage, or generation were observed and are discussed in the Additional SCS Research section below.
South	La Questa Apartments (7272 Saranac St) (Figure 3j-1), SFR (5084 – 5090 Keeney Street), Colony Mobile Plaza (7440 Colony Dr) Comanche Hills Apartments (5040 Comanche Drive)	No obvious indications of the use, storage, or generation of hazardous materials/wastes or petroleum products were observed.
West	70th Street Trolley Station (Figure 3h-2) Family Auto Service (7191 Alvarado Rd) (Figure 3i-1)	Hazardous materials/wastes or petroleum products use, storage, or generation were observed and are discussed in the Additional SCS Research section below.

Environmental Regulatory Database Report

An environmental regulatory database report (Radius Map™ report[ix]) was prepared by EDR for the Site. Local, state, and federal regulatory databases were reviewed for the Site and for those facilities within up to 1 mile of the Site. The Radius Map™ report was reported to have been prepared in general accordance with the ASTM standard for the regulatory database review for Phase I Environmental Site Assessments. The locations of the referenced facilities relative to the Site are shown on the overview maps, included in the Radius Map™ report. A description of the various databases, as well as the date each database was most recently updated, is included in the Radius Map™ report. The Radius Map™ report is included in the Appendices to this Report.

Based on a review of the Radius Map™ report, the following table summarizes the facilities within the selected search radii and whether the Site or a facility that was interpreted to be adjacent to the Site was listed on each database.

Federal or State Government Database	Search Radius	Number of Reported Facilities	On Site	Adjacent to the Site
National Priorities List (NPL)	1.00 mile	0	No	No

Federal or State Government Database	Search Radius	Number of Reported Facilities	On Site	Adjacent to the Site
NPL Delisted	1.00 mile	0	No	No
Superfund Enterprise Management System (SEMS)	0.50 mile	0	No	No
No Further Remedial Action Planned (NFRAP)	0.50 mile	0	No	No
Resource Conservation and Recovery Act– Corrective Action (RCRA COR ACT)	1.00 mile	0	No	No
RCRA Treatment and Disposal Facilities (RCRA TSD)	0.50 mile	0	No	No
RCRA Generators (RCRA GEN)	0.25 mile	4	No	Yes
Federal Engineering and Institutional Controls (IC/EC)	0.50 mile	0	No	No
Emergency Response Notification System (ERNS)	0.12 mile	0	No	N/A
State/Tribal- Equivalent NPL	1.00 mile	0	No	No
State/Tribal-Equivalent CERCLIS (ENVIROSTOR)	1.00 mile	5	No	No
State/Tribal Solid Waste List (SWL)	0.50 mile	0	No	No
State/Tribal Leaking Underground Storage Tanks (LUST, San Diego County Site Assessment and Mitigation [SAM], Spills, Leaks, Investigation, and Cleanup [SLIC])	0.50 mile	52	No	Yes
State/Tribal Underground/Aboveground Storage Tanks (USTs/ASTs)	0.25 mile	1	No	Yes
State/Tribal Voluntary Cleanup Program (VCP)	0.50 mile	0	No	No
Federal Brownfields	0.50 mile			
Other Haz Sites (San Diego Hazardous Materials Management Division [HMMD])	Site only	0	No	No
Local Lists of Hazardous Waste/Contaminated Sites (San Diego HMMD)	Site only	0	No	No
Local Lists of Registered Storage Tanks (Statewide Environmental Evaluation and Planning System [SWEEPS UST], Historic UST, CA Facility Inventory Database [FID] UST)	0.25 mile	7	No	Yes
Local Land Records (DEED)	0.50 mile	0	No	No

Federal or State Government Database	Search Radius	Number of Reported Facilities	On Site	Adjacent to the Site
Other (RCRA NonGen, Drycleaners, Hist Cortese, Notify 65)	0.12 mile	16	No	Yes
EDR High Risk Historical Records (Historic Auto, Historic Cleaner, Manufactured Gas Plant [MGP])	0.125 mile	4	Yes	Yes

N/A = Not applicable

The Site was listed on the following databases:

- Historic Auto database as Wright Mobil Service 7407 Alvarado Rd, listed to occupy the Site from 2001 – 2005. EDR lists this facility as a gasoline service station; however, the Site has not been used as a gasoline service station based on research conducted for this Assessment. This interpretation is considered erroneous, the Mobil Service is likely related to a mobile car detailing or mobile automotive repair service that used the Site as a 'hub' or mailing address.

- CHMIRS, the California Hazardous Material Incident Report System, database at 7407 Alvarado Rd. Types of hazardous materials were not reported, and no violations were listed.

Regulatory agency files reviewed for the Site are discussed in the "Site Research" section above.

Off-Site facilities listed in the Radius Map™ report were evaluated as to their potential to impact the Site. The databases included in the Radius Map™ report can be grouped into two general categories: databases reporting unauthorized releases of hazardous substances or petroleum products (e.g., LUSTs, RCRA COR ACT facilities, National Priorities List [a.k.a. Superfund] sites) and databases reporting permitted hazardous materials users and hazardous waste generators for which a release has not been reported to, and recorded by, the regulatory agency.

SCS evaluated each of the off-Site facilities listed in the Radius Map™ report as to their potential to impact the Site, based on the following factors:

- Reported distance of the facility from the Site[5]

[5] Based on "Technical Justification for Groundwater Media-Specific Criteria," (Groundwater Study) (March 2012) developed to support the State of California "Low Threat Closure Policy" (adopted May 2012), "plume length studies recognize that petroleum plumes stabilize in length due to natural attenuation." The Groundwater Study goes on to cite Shih et. al., 2004 that a peer-reviewed study of plume lengths at 500 petroleum UST sites in the Los Angeles area is widely accepted as representative of plume lengths at California UST sites. Shih et. al. reports methyl tertiary butyl ether (MTBE), with 90th percentile maximum plume lengths of 540 feet. Therefore, the detailed review radius for open groundwater cases has been conservatively established by SCS at 0.20 miles (approximately 1,000 feet). For non-release cases (e.g., permitted facilities), only those facilities that were judged to be immediately adjacent to the Site were interpreted to have the potential to represent a recognized environmental condition.

- The nature of the database on which the facility is listed, and/or whether the facility was listed on a database reporting unauthorized releases of hazardous materials, petroleum products, or hazardous wastes
- Reported case type (e.g., soil only, failed UST test only)
- Reported substance released (e.g., chlorinated solvents, gasoline, metals)
- Reported regulatory agency status (e.g., case closed, "no further action")
- Location of the facility with respect to the reported groundwater flow direction and depth to groundwater (discussed in the "Hydrogeology" section of this Report)

Based on one or more of the factors listed above, and with possible exceptions discussed in the Additional SCS Research section below, there is a low likelihood that the off-Site facilities listed in the Radius Map™ report represent a recognized environmental condition in connection with the Site.

EDR listed nine facilities as being "orphans," which are facilities for which EDR does not have sufficient information to accurately locate them on a map. Based on a review of the orphans, it is interpreted that none of the facilities are within the requisite search radii for their reported database listings.

Additional SCS Research

Sid's Auto Body, 7241 Alvarado Rd (Located 800 feet to the west of the Site)

This facility is situated approximately 800 feet west of the Site, on Alvarado Road. Based on its listing on the SAM and CPS-SLIC databases and proximity to the Site, summaries of regulatory agency files for this facility were reviewed from the EDR report and from the State Water Resources Control Board Geotracker database.

The facility was reported in 2002 as a CPS-SLIC, Cleanup Program Sites formally known as Spills, Leaks, Investigations, and Cleanups and SAM, DEH Site Assessment & Mitigation, for potential diesel contamination of the aquifer used for drinking water supply. A Phase II environmental assessment, site mitigation, and a case closure was done by Ninyo & Moore in 2005. Only soils containing elevated concentrations of lead were mitigated in 2004 and the remaining contaminants in the soil and groundwater were either below contaminant levels or not detected above laboratory reporting limits. The DEH issued a case closure letter on October 18, 2005, indicating that the cleanup goals established for this project were met. Based on the reported mitigation of the project by Ninyo & Moore to below cleanup goals, the closure letter issued by the DEH, the distance from the Site, and the location of this facility with respect to the reported groundwater flow direction (i.e., downgradient from the Site), this facility is not considered to represent a recognized environmental condition to the Site.

Sport & Import Auto Service, Funston and Carol Johnson, 7243 Alvarado Road (Located 680 feet to the west of the Site)

This facility is situated approximately 680 feet west of the Site, on Alvarado Road. Based on its listing on the FINDS (Facility Index System/Registry System), RCRA-SQG, SWEEPS UST, HMMD, ECHO (Enforcement & Compliance History Information), and Historic Auto databases and proximity to the Site, summaries of regulatory agency files for this facility were reviewed from the EDR report.

The facility was reported in 1985 as a RCRA small quantity generator (SQG) for more than 100 and less than 1,000 kilograms of hazardous waste during any calendar month, and is listed as an automotive service. Types of hazardous materials were not reported, and no violations were listed.

Based on the lack of known and reported releases from this facility, the lack of reported violations, the location of this facility to the west of the Site and cross-to down-gradient position with respect to the groundwater flow direction, this facility is not considered to represent a recognized environmental condition to the Site.

Southern Paint 7 Auto Body Shop, 7245 Alvarado Rd (Located 680 feet to the west of the Site)

This facility is situated approximately 680 feet west of the Site, on Alvarado Road. Based on its listing on the Historic Auto databases and proximity to the Site, summaries of regulatory agency files for this facility were reviewed from the EDR report.

The facility was reported in 1971 as an automobile repair shop.

Based on its listing on the Historic Auto database and its proximity to the Site, the DEH file for these nearby facilities were reviewed. The DEH file includes CIRs for the period from 1991 through 2009. In addition, the September 2010 DEH HE-17 database of facilities storing hazardous materials, generating hazardous wastes, and discharging unauthorized releases was reviewed. The following table summarizes information obtained from review of CIRs and/or the in-house HE-17 database regarding hazardous materials and petroleum products reported to be used and stored, hazardous wastes reported to be generated, and violations of the hazardous waste control law.

H113326, H122103, H137324 7241 – 7245 Alvarado Road:

Year	Hazardous Materials, Petroleum Products, Hazardous Waste	Violations
1991	None	Records keeping
1993	Used batteries (600 pounds per year [lbs/yr])	Batteries recycled
1995	Used batteries (600lbs/yr)	Records keeping, none batteries recycled
1997	Used batteries (600lbs/yr)	None batteries recycled

Year	Hazardous Materials, Petroleum Products, Hazardous Waste	Violations
2000	Waste oil & Mixed oil (1500 gallons per year [gal/yr]) Used Batteries (600lbs/yr) Hydrocarbon solvents (80 gal/yr) Halogenated solvents (5 gal/yr) Used oil filters (100lbs/yr) Unspecified alkaline solution (20 gal/yr) Organic liquids with metals (110 gal/yr)	Records keeping, hazardous waste recycled
2001	Training records unavailable Waste oil & Mixed oil (1500 gallons per year [gal/yr]) Used Batteries (600lbs/yr) Hydrocarbon solvents (80 gal/yr) Halogenated solvents (5 gal/yr) Used oil filters (100lbs/yr) Unspecified alkaline solution (20 gal/yr) Organic liquids with metals (110 gal/yr)	Records keeping, hazardous waste recycled
2002	Training records unavailable UPF Permit not obtained for Hazwaste UPFP Permit not obtained for Hazwaste	Records keeping
2007	Waste oil & Mixed oil (not available [NA] lbs/yr) Used Batteries (not available [NA] lbs/yr) Hydrocarbon solvents (not available [NA] lbs/yr) Halogenated solvents (not available [NA] lbs/yr) Used oil filters (not available [NA] lbs/yr) Unspecified alkaline solution (not available [NA] lbs/yr) Organic liquids with metals (not available [NA] lbs/yr)	Records keeping, hazardous waste recycled, missing labels
2009	Waste oil & Mixed oil (2000 gallons per year [gal/yr]) Used Batteries (800lbs/yr) Halogenated solvents (5 gal/yr) Used oil filters (1000lbs/yr) Unspecified alkaline solution (20 gal/yr) Organic liquids with metals (700 gal/yr)	Records keeping, hazardous waste recycled
1991	One tank removed	
2004	One tank removed	

Conclusion:

Based on the types and quantities of hazardous materials and petroleum products used and stored and hazardous waste generated at this facility, the absence of disposal violations, and the lack of known and reported releases, the distance from the Site, and the location of this facility with respect to the reported groundwater flow direction (i.e., cross- to downgradient from the Site), there is a low likelihood that a recognized environmental condition exists at the Site in

connection with the listing of the reported hazardous materials and petroleum products at this facility.

Parkway Cleaners, 7200 Alvarado Rd (Located to the 600 feet northwest of the Site)

This facility is situated approximately 600 feet northwest of the Site, on Parkway Drive. Based on its listing on the Historic Cleaners databases and proximity to the Site, summaries of regulatory agency files for this facility were reviewed from the EDR report.

The facility was reported in 2004 - 2006 as a Dry-cleaning Plants, except rugs service.

Based on the lack of known and reported releases from this facility, the lack of reported violations, the down-gradient position of this facility with respect to the Site, the facility only being operated four years, and the location of this facility northwest, and the reported depth to groundwater, this facility is not considered to represent a recognized environmental condition to the Site.

Alvarado Creek Redevelopment site, 8181 Alvarado Road (Located 200 feet to the east of the Site)

This facility is situated approximately 200 feet east of the Site, on Alvarado Road. Based on its listing on the State Water Resources Control Board Geotracker database and proximity to the Site, summaries of regulatory agency files for this facility were reviewed from the State Water Resources Control Board Geotracker database.

Phase I and II site assessments done on the facility in 1996 shows soils only surface spillage of waste petroleum and asphaltic debris. Soil sample analytical data indicates there is very limited surficial impact to the environment, with TRPH levels ranging from 'none detected' to 1,615 ppm. In addition, a stockpile of construction type material, located adjacent to the concrete lined Alvarado Creek bed, was determined to be non-hazardous. The DEH issued a case closure letter on August 7, 1996, indicating that the cleanup goals established for this project were met. Based on the closure letter issued by the DEH, and the distance from the Site, this facility is not considered to represent a recognized environmental condition to the Site.

Bob Stall Chevrolet, 7601 Alvarado Rd (Located adjacent to the east of the Site)

This facility is situated adjacent to the east of the Site, on Alvarado Road. Note that due to the large size of this facility, the nearest structures at this facility where automotive repair bays would have been situated are 200 feet to the east or greater. Based on its listing on the RCRA-SQG, AST, HMMD, FINDS, ECHO, SAM, LOP, LUST, Hist UST, SWEEPS UST, EMI, Hist CORTESE and HAZNET databases and proximity to the Site, summaries of regulatory agency files for this facility were reviewed from the EDR report and from the State Water Resources Control Board Geotracker database.

The facility was reported in 1986 - 1996 in the Local Oversite Program (LOP), DEH Site Assessment & Mitigation agency, with a soils only case that was closed July 26, 1996. The

facility was also reported in 1996 as a RCRA small quantity generator (SQG) for more than 100 and less than 1,000 kilograms of hazardous waste during any calendar month, and is listed as an automotive service. Types of hazardous materials were not reported, and no violations were listed.

Based on its listing on various databases and its proximity to the Site, the DEH file for these adjacent facilities were reviewed. The DEH file includes CIRs for the period from 1991 through 2010. In addition, the September 2010 DEH HE-17 database of facilities storing hazardous materials, generating hazardous wastes, and discharging unauthorized releases was reviewed. The following table summarizes information obtained from review of CIRs and/or the in-house HE-17 database regarding hazardous materials and petroleum products reported to be used and stored, hazardous wastes reported to be generated, and violations of the hazardous waste control law.

H102651 7601 Alvarado Rd

Year	Hazardous Materials, Petroleum Products, Hazardous Waste	Violations
1991	Hazardous waste	Stored in excess, missing labels, inadequate training
1992	Hazardous waste Used oil filters	Records keeping, missing labels, not properly drained
1994	Hazardous waste Land Disposal Waste oil & Mixed oil (2500 gallons per year [gal/yr]) Used Batteries (2500 pounds per year [lbs/yr]) Hydrocarbon solvents (960 gal/yr) Used oil filters (750lbs/yr) Unspecified alkaline solution (60 gal/yr) Paint Sludge (40 gal/yr)	Records keeping, missing labels, hazardous waste recycled
1995	Waste oil & Mixed oil (2500 gallons per year [gal/yr]) Used Batteries (2500 pounds per year [lbs/yr]) Hydrocarbon solvents (960 gal/yr) Used oil filters (750lbs/yr) Unspecified alkaline solution (60 gal/yr) Paint Sludge (40 gal/yr)	Records keeping, missing labels, hazardous waste recycled
1997	Used oil filters Business plan	Not properly drained, records keeping
1998	Hazardous waste Used oil filters Training records unavailable/inadequate	Waste container not closed, Records keeping, improper management, improperly contaminated, not properly drained, hazardous waste recycled

Year	Hazardous Materials, Petroleum Products, Hazardous Waste	Violations
1999	Waste oil & Mixed oil (6000 gallons per year [gal/yr]) Unspecified oil containing waste (2100lbs/yr) Organic liquids with metals (300 gal/yr) Used Batteries (2500lbs/yr) Used oil filters (2000lbs/yr) Unspecified alkaline solution (80 gal/yr) Paint Sludge (40 gal/yr) Hydrocarbon solvents (960 gal/yr)	**Unauthorized disposal**, Records keeping, Waste container not closed, **Disposal or causing the disposal to an unauthorized point**, Not properly drained, Waste container not closed, Hazardous waste recycled
2001	Hazardous waste Used oil filters Training records unavailable/inadequate Waste oil & Mixed oil (6000 gallons per year [gal/yr]) Unspecified oil containing waste (2100lbs/yr) Organic liquids with metals (300 gal/yr) Used Batteries (2500lbs/yr) Used oil filters (2000lbs/yr) Unspecified alkaline solution (80 gal/yr) Paint Sludge (440 gal/yr) Hydrocarbon solvents (960 gal/yr)	Waste container not closed, generator of waste not determined, waste determination not made, Records keeping, improper management, improperly contaminated, not properly drained, hazardous waste recycled
2002	Waste oil & Mixed oil (not available [NA] lbs/yr) Used Batteries (NA lbs/yr) Hydrocarbon solvents (NA lbs/yr) Halogenated solvents (NA lbs/yr) Used oil filters (NA lbs/yr) Unspecified alkaline solution (NA lbs/yr) Organic liquids with metals (NA lbs/yr)	Waste onsite >90/180/270 days, Second containment not kept empty, Waste container not closed, generator of waste not determined, waste determination not made, Records keeping, improper management, improperly contaminated, not properly drained, hazardous waste recycled
2004	Hazardous waste Used oil filters Training records unavailable/inadequate	Without PE assessment, Waste onsite >90/180/270 days, Second containment not kept empty, Waste container not closed, generator of waste not determined, waste determination not made, Records keeping, improper management, improperly contaminated, not properly drained, hazardous waste recycled

Year	Hazardous Materials, Petroleum Products, Hazardous Waste	Violations
2005	Hazardous Waste	Second containment not kept empty, waste container without labels, records keeping, without proper labels, no daily tank inspection, waste determination not made
2007	Unspecified alkaline solution Paint Sludge Alkaline Solution without Hydrocarbon solvents Inorganic solid waste Oxygenated solvents Waste oil & Mixed oil Unspecified Oil Used Batteries Organic liquids with metals Used oil filters Unspecified organic liquid	Records keeping, hazardous waste recycled
2010	Unspecified aqueous (120 gal/yr) Paint Sludge (110 gal/yr) Alkaline Solution without (500 gal/yr) Unspecified alkaline (20 gal/yr) Oxygenated solvents (400 gal/yr) Waste oil & Mixed oil (8000 gal/yr) Unspecified Oil (2100 gal/yr) Used Batteries (2500 lbs/yr) Organic liquids with metals (2000 gal/yr) Used oil filters (9000 lbs/yr) Unspecified organic liquid (160 gal/yr)	Records keeping, hazardous waste recycled

Regarding the unauthorized disposal incident reported in 1999, details regarding the nature of this violation were not reported. It has been SCS's experience that typically, these violations involve relatively minor incidences, such as disposal of paint, oil filters, or used rags to the municipal trash, or spills of relatively minor quantities of constituents of concern to the ground surface. Overall, if these incidences were not the result of additional follow up by the regulatory agency through opening of an unauthorized release case or other repeated regulatory notices, these incidences are typically *de minimis* and present a low likelihood of a recognized environmental condition

Conclusion:

Based on the types and quantities of hazardous materials and petroleum products used and stored and hazardous waste generated at this facility, and the distance of auto repair bays at this facility

from the Site (200 feet away or greater), there is a low likelihood that a recognized environmental condition exists at the Site in connection with the various hazardous materials related permit listings of this facility. The unauthorized release case for the 7601 Alvarado Road property is separately discussed below.

LUST Case

H02651 La Mesa RV Center/Bob Stall Chevrolet, 7601 Alvarado Rd (Located to the east of the Site)

Based on its listing on the LUST database and its proximity to the Site (adjacent to the east), the regulatory file for this facility was reviewed. The following reports were included in the DEH file and reviewed as part of this Assessment:

- The *Quarterly Groundwater Monitoring Report for the First Quarter 1995 and Workplan Describing Additional Site Assessment Activities on* May 1, 1995 from Environmental Business Solutions (EBS), is summarized:

    - Four underground storage tanks (USTs) of various capacities were removed in 1988 from 7601 Alvarado Rd La Mesa, the adjacent property to the Site. The USTs stored new oil, used oil, and gasoline. The USTs were located immediately to the west and south of a service bay building that were approximately 200 feet to the east or greater from the Site on the adjacent property. The four USTs consisted of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST. Samples indicated that groundwater was not impacted. Soils only were reportedly impacted, with total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) in samples.

    - In March 1992, approximately 400 cubic yards of soil was excavated from the area of the former USTs. Numerous confirmation samples were collected during the excavation program. Confirmation samples indicated that soil with concentrations of both TPH and TRPH remains in the vicinity of the excavation.

    - In February 1994, a soil and groundwater investigation consisted of 11 soils borings, where 3 were converted into groundwater monitoring wells. Based on the soil sample results, the horizontal extent of gasoline-bearing and diesel-bearing soil was interpreted to be generally limited to the immediate vicinity of the former UST excavation, and to a maximum depth of approximately 15 feet below grade. The horizontal extent of TRPH-bearing soil was concluded to generally have been assessed, and was interpreted to extend a maximum of approximately 30 feet northwest from the former oil USTs. Groundwater was reported to be present in the wells at depths ranging from approximately 5 to 8 feet below grade, and was interpreted to be perched water. Groundwater sample results were reported to be below laboratory detection limits for TPH

as gasoline (TPHg) and as diesel (TPHd), and for benzene, toluene, ethylbenzene, and total xylenes (BTEX).

- In March 1996, the three groundwater monitoring wells were monitored, purged, and sampled by Environmental Business Solutions. Laboratory analytical results indicate that no TRPH, TPH-gas, TPH-diesel, BTEX, or MTBE were detected in groundwater samples collected from the three monitoring wells

- As of July 26, 1996 the State Water Resources Control Board Geotracker database shows the LUST case is closed.

  Based on the reported removal of the tanks and impacted soil, confirmation from the soil samples that the extent of the release was limited to 30 feet from the area of the former USTs that groundwater was not impacted, and that the case was closed by DEH, there is a low likelihood that a recognized environmental condition exists at the Site as a result of this known and reported release.

California Division of Oil and Gas

SCS personnel reviewed the California Division of Oil and Gas Map regarding oil and gas well locations within 1 mile of the Site[x]. There were no wells interpreted to be located within a 1-mile radius of the Site.

DATA GAPS IN CONNECTION WITH OFF-SITE SOURCES

Based on the Site vicinity reconnaissance and off-Site source survey, there are no obvious indications of data gaps in connection with off-Site sources.

Findings and Opinions—Off-Site Source Survey
Based on the off-Site source survey, two facilities in the Site vicinity were reported to have had releases of hazardous materials/waste or petroleum products. However, it is our opinion that there are no recognized environmental conditions at the Site as a result of known and reported releases of hazardous materials/wastes or petroleum products from an off-Site source. This opinion is based on one or more of the following: reported regulatory status (e.g., case closed), media affected (e.g., soil contamination only), distance from the Site, direction from the Site with respect to reported groundwater flow direction, and information obtained through a review of County of San Diego Department of Environmental Health files.

HISTORICAL LAND USE REVIEW

In accordance with the ASTM Standard and AAI rule, numerous reasonably ascertainable standard historical information sources were reviewed, and an attempt was made to interpret the historical Site and Site vicinity land use back to the obvious first developed use of the Site. Historical information was reviewed for current and historical Site addresses, including 7407

Alvarado Road La Mesa, California 91942. The following table summarizes the historical resources reviewed as part of this Assessment.

Resource	Source	Years Available
Aerial Photographs	NETR Online (http://www.historicaerials.com)	1953, 1964, 1966, 1968, 1980, 1989, 1995, 1996, 2002, 2003, 2005, 2009, 2010, 2012, 2014
City Directories	San Diego Central Library	1953, 1967, 1973, 1983, 1988, 1993, 1998, 2003, 2008, 2013
Sanborn Fire Insurance Maps	EDR	Unmapped property
Topographic Maps	US Geological Survey SCS's in-house collection	1903, 1909, 1913, 1920, 1927, 1929, 1934, 1940, 1942, 1947, 1955, 1959, 1960, 1969, 1975, 1978, 1984, 1998, 2012, 2015
Building Department Records	La Mesa Building Department	1953, 1954, 1955, 1957, 1958, 1979, 1980, 1983, 1984, 1986, 1987, 1988, 1990, 1995, 1999, 2000, 2001, 2004, 2018
Fire Department Records	La Mesa Fire Department	
Previous Environmental Report	Michael Brandman Associates. Kleinfelder	Discussed in the "Review of Client-Provided Documents" section above
Interviews	Not applicable	Discussed in the "Interviews" section above

Historical Site Land Use

The following table provides a chronology of the apparent historical Site land uses, as interpreted from a review of information from the sources referenced.

Year	Interpreted Site Tenants	Interpreted Site Use
1903	None	Vacant
1953	La Mesan Mobile Lodge Trailer Court	Multi- Family Residence (MFR) - RV Park
1967-1973	La Mesan Mobile Lodge Trailer Court, Alvarado Drafting Service, Alvarado Civil Engineering	MFR - RV Park and commercial
1983-1988	La Mesa Trailer Court various residential tenants	MFR - RV Park
1993	La Mesa Trailer Court, Camperland RV Park various residential tenants	MFR - RV Park

Year	Interpreted Site Tenants	Interpreted Site Use
1998	Apartments, ATD Applied Telecommunications & Data, Camperland RV Park	MFR - RV Park and commercial
2003-2018	Camperland RV Park, Ca RV Park Sales, SD RV Resort	MFR - RV Park

Because many of the dates listed above are based on a limited selection of historical resources, they are considered to be approximations only; the actual beginning/ending dates for many of the Site uses listed above may have been earlier or later than indicated.

With the possible exception discussed below, no obvious historical facilities, features of concern, or land uses indicative of the use, storage, or generation of hazardous materials/wastes or petroleum products were found in the historical resources reviewed.

Recreational Vehicle Park

The Site has been used as an RV park from approximately 1953 to present. SCS could not verify for this Assessment when the RV parking sites were first paved. Based on SCS's experience, it is not uncommon for vehicle storage lots to have surficial staining of the ground surface from motor oil and other automotive fluids. At the time of SCS's Site reconnaissance, minor surficial staining (interpreted to be from automotive lubricants) were observed within several of the RV parking sites; however, the parking Sites were paved with asphalt, and no obvious indications were observed that a release of hazardous materials/wastes or petroleum products had occurred at the Site. Considering the staining likely consists of motor oil and no obvious indications of a release were observed, the minor surficial releases identified above are considered likely to be *de minimis* as defined by ASTM.

If significant excavation and/or soil export are proposed, if obvious indications of significant staining or of a release of petroleum hydrocarbons are observed during grading operations for the proposed redevelopment of the Site, SCS recommends soil sampling should be conducted to assess whether the soil contains petroleum hydrocarbon concentrations that would cause the soil to be a health risk to future occupants of the Site, or if the soil is exported, if it may be classified as a hazardous or regulated waste.

Historical Site Vicinity Land Use

The following table provides a chronology of the apparent historical Site vicinity land uses as interpreted from a review of information from the sources referenced.

Years	Interpreted Site Vicinity Tenants	Interpreted Site Vicinity Use
7200 - 7500 Parkway Drive, 5210 – 5215 Maryland Avenue, 5211-5215 Guessman Avenue (North)		
1903	Vacant	None
1953	Vacant	None

Years	Interpreted Site Vicinity Tenants	Interpreted Site Vicinity Use
1967	La Mesa Bowling Alley, Vacant, Various residential tenants	Commercial, none, Single Family Residence (SFR)
1973	La Mesa Bowling Alley, Various residential tenants, Parkway Plaza Apartments, Vacant	Commercial, SFR & MFR, none
1983	Shopping center, SFR, La Mesa Silver Oaks Apartments, Parkway Plaza Apartments, Various residential tenants	Commercial, SFR & MFR
1988	Shopping center, SFR, La Mesa Silver Oaks Apartments, Parkway Plaza Apartments, Various residential tenants	Commercial, SFR & MFR
1993	Shopping center, SFR, La Mesa Silver Oaks Apartments, Parkway Plaza Apartments, Various residential tenants	Commercial, SFR & MFR
1998	Shopping center, SFR, La Mesa Silver Oaks Apartments, Parkway Plaza Apartments, Various residential tenants	Commercial, SFR & MFR
2003	Shopping center, SFR, La Mesa Silver Oaks Apartments, Parkway Plaza Apartments, Various residential tenants	Commercial, SFR & MFR
2008	Shopping center, SFR, La Mesa Silver Oaks Apartments, Parkway Plaza Apartments, Various residential tenants	Commercial, SFR & MFR
2013-2018	Shopping center, SFR, La Mesa Silver Oaks Apartments, Parkway Plaza Apartments, Various residential tenants	Commercial, SFR & MFR
7601, 7651 Alvarado Road (East)		
1903	Vacant	None
1953	Vacant	None
1967	Vacant	None
1973	Vacant	None
1983	Unlisted	Unknown
1988	**La Mesa RV Center**	Commercial. **Possible RV auto service**
1993	Unlisted, **RV Peddler**	Commercial. **Possible RV auto service**
1998	**Bob Stall Chevrolet**, RV Peddler Inc	**Vehicle dealership and Auto Service**

Years	Interpreted Site Vicinity Tenants	Interpreted Site Vicinity Use
2003	**Bob Stall Chevrolet**	**Vehicle dealership and Auto Service**
2008	**Bob Stall Chevrolet**	**Vehicle dealership and Auto Service**
2013-2018	**Bob Stall Chevrolet,** Trailers Plus	**Vehicle dealership and Auto Service,** commercial
5040 Comanche Drive, 7440 Colony Drive, 5090 & 5084 Keeney Street, 7255 Saranac Street (South)		
1903	Vacant	None
1953	SFR, Vacant	Residential, None
1967	Colony Mobile Plaza Trailer Court, SFR, Vacant	Residential, None
1973	Colony Mobile Plaza Trailer Court, Saranac Apartments, various residential tenants	Residential SFR & MFR
1983-2018	Comanche Hills Apartments, Colony Mobile Plaza Trailer Court, SFRs, La Cuesta Apartments	Residential SFR & MFR
7191, 7195, 7241, 7243, 7245, 7255 Alvarado Road (West)		
1903	Vacant	None
1953	Vacant	None
1967	Active Van & Storage, Vacant, **Alvarado Auto Paint & Repair**	Commercial, None
1973	Higley's Storage & Moving, American Driving School, Craig Auto Wholesale, **Sport & Import Auto Service**	Commercial, **Auto Service**
1983	Blue Chip Motorhome, **Sport & Import Auto Service, CAR Auto Body & Paint**	Commercial, **Auto Service**
1988	Franklin Network, ACL Construction, Goodwin Electric, Blue Chip Rentals/Motorhome, **Sport & Import Auto Service, Sid's Auto Body**	Commercial, **Auto Service**
1993	Oak Furniture Warehouse, Weather Engrg Inc, Blue Chip Rentals/Motorhome, Jartran, Ryder Truck Rentals, **Sid's Auto Body,** Southwest Auto Appraisal	Commercial, **Auto Service**

Years	Interpreted Site Vicinity Tenants	Interpreted Site Vicinity Use
1998	**Advantage Auto centers**, Bedroom Superstore, Truly Nolen Exterminating, **Sid's Auto Body**	Commercial, **Auto Service**
2003	**Bob Bowen's Auto Service**, Wash Infrastructure, Balfour Beatty-Ortiz Enterprise	**Auto Service**, commercial
2008-2018	**Bob Bowen's Auto Service**	**Auto Service**

Because many of the dates listed above are based on a limited selection of historical resources, they are considered to be approximations only; the actual beginning/ending dates for many of the Site vicinity uses/development described above may have been earlier or later than indicated.

With the possible exceptions of auto repair at 7241, 7243, 7601 Alvarado Road discussed in the 'Additional SCS Research' section above, no obvious historical facilities, features of concern, or land uses indicative of the use, storage, or generation of hazardous materials/wastes or petroleum products were found in the historical resources reviewed.

DATA GAPS IN CONNECTION WITH THE HISTORICAL SITE LAND USE

Based on a review of historical sources, and with the possible exceptions below, there are no obvious indications of data gaps in connection with the historical Site and Site vicinity land use.

Readily available historical information was limited, and information was not available that would provide 5-year data intervals between the following years: 1903 and 1909, 1913 and 1920, 1920 and 1927, 1934 and 1940, and 1947 and 1953. Based on the corroborating data from the historical information reviewed (i.e., the Site was interpreted to have been vacant in each of these years), SCS judged it likely that the historical Site land use during this time period was not significantly different from the interpretation presented in the table above.

Findings and Opinions—Historical Site and Site Vicinity Land Use

With the possible exception of the use of the Site for an RV park, discussed below, based on a review of historical resources, it is our opinion that there are no recognized environmental conditions at the Site as a result of a release of hazardous materials/wastes or petroleum products from a known or interpreted historical Site or Site vicinity land use.

Recreational Vehicle Park

The Site has been used as an RV park from approximately 1953 to present. SCS could not verify for this Assessment when the RV parking sites were first paved. Based on SCS's experience, it is not uncommon for vehicle storage lots to have surficial staining of the ground surface from motor oil and other automotive fluids. At the time of SCS's Site reconnaissance, minor surficial staining (interpreted to be from automotive lubricants) were observed within

Findings and Opinions—Historical Site and Site Vicinity Land Use
several of the RV parking sites; however, the parking Sites were paved with asphalt, and no obvious indications were observed that a release of hazardous materials/wastes or petroleum products had occurred at the Site. Considering the staining likely consists of motor oil and no obvious indications of a release were observed, the minor surficial releases identified above are considered likely to be *de minimis* as defined by ASTM. If significant excavation and/or soil export are proposed, if obvious indications of significant staining or of a release of petroleum hydrocarbons are observed during grading operations for the proposed redevelopment of the Site, SCS recommends soil sampling should be conducted to assess whether the soil contains petroleum hydrocarbon concentrations that would cause the soil to be a health risk to future occupants of the Site, or if the soil is exported, if it may be classified as a hazardous or regulated waste.

5 CONCLUSION

SCS has performed an Assessment of 7401 Alvarado Road La Mesa, CA (Site), in general conformance with the ASTM Standard Practice for Phase I Environmental Site Assessment Process E 1527-13 and the EPA, 40 CFR 312, Standards and Practices for All Appropriate Inquiries, Final Rule (AAI). Any exceptions to, or deletions from, the ASTM and AAI Scope of Work were previously described in this Report where applicable.

This Assessment has revealed no evidence of a recognized environmental condition in connection with the Site.

This Assessment has been conducted by an environmental professional whose qualifications[6] were made known to the Client. The conclusions and recommendations presented above are based on the review of readily available data obtained as part of this Assessment, current regulatory guidelines, the Site and Site vicinity reconnaissance, and SCS' experience.

6 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and other parties designated by SCS. The methodology used during this Assessment was in general conformance with the requirements of the Client and the specifications and limitations presented in the Consulting Agreement (Contract) between the Client and SCS. This Report contains information from a variety of public and other sources, and SCS makes no representation or warranty about the accuracy, reliability, suitability, or completeness of the information. Any use of this Report, whether by the

6. SCS declares that, to the best of its professional knowledge and belief, the reviewer meets the definition of Environmental Professional as defined in section 312.10 of 40 CFR 312 and has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. SCS has developed and performed All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR 312. The qualifications of the report preparers are included in the Appendices.

Client or by a third party, shall be subject to the provisions of the Contract between the Client and SCS. Any misuse of or reliance upon the Report shall be without risk or liability to SCS.

Assessments are qualitative, not comprehensive, in nature and may not identify all environmental problems or eliminate all risk. For every property, but especially for properties in older downtown or urban areas, it is possible for there to be unknown, unreported recognized environmental conditions, USTs, or other features of concern that might become apparent through demolition, construction, or excavation activities, etc. In addition, the scope of services for this project was limited to those items specifically named in the scope of services for this Report. Environmental issues not specifically addressed in the scope of services for this project are not included in this Report.

Land use, condition of the properties within the Site, and other factors may change over time. The information and conclusions of this Report are judged to have been relevant at the time the work described in this Report was conducted. This Report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of Phase I Environmental Site Assessments in the County of San Diego is consulted to assess the necessity of updating this Report.

The property owners at the Site are solely responsible for notifying all governmental agencies and the public of the existence, release, or disposal of any hazardous materials/wastes or petroleum products at the Site, whether before, during, or after the performance of SCS' services. SCS assumes no responsibility or liability for any claim, loss of property value, damage, or injury that results from hazardous materials/wastes or petroleum products being present or encountered within the Site.

Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons that include, but are not limited to, (1) inadequate or inaccurate information rightfully provided to SCS by third parties, such as public agencies and other outside sources; (2) the limited scope of this Assessment; and (3) the presence of undetected, unknown, or unreported environmental releases.

7 SPECIAL CONTRACTUAL CONDITIONS BETWEEN USER AND ENVIRONMENTAL PROFESSIONAL

There were no special contractual conditions between the user of this Assessment, the environmental professional, and SCS.

8 ENDNOTES

i. Site reconnaissance conducted by Allison O'Neal and Luke Montague (SCS) on October 10, 2018.

ii. Records request— County of San Diego Department of Environmental Health by Allison O'Neal (SCS) on October 11, 2018.

iii. Records request—City of La Mesa Fire Department by Allison O'Neal (SCS) on October 16, 2018.

iv. In-person records request—City of La Mesa Building Department by Allison O'Neal (SCS) on October 12, 2018.

v. Records request—San Diego County Air Pollution Control District (SDAPCD) by Allison O'Neal on October 9, 2018.

vi. Records request—City of La Mesa Industrial Waste Program by Allison O'Neal on October 9, 2018

vii. Records request—San Diego Regional Water Quality Control Board (RWQCB) by Allison O'Neal on October 11, 2018.

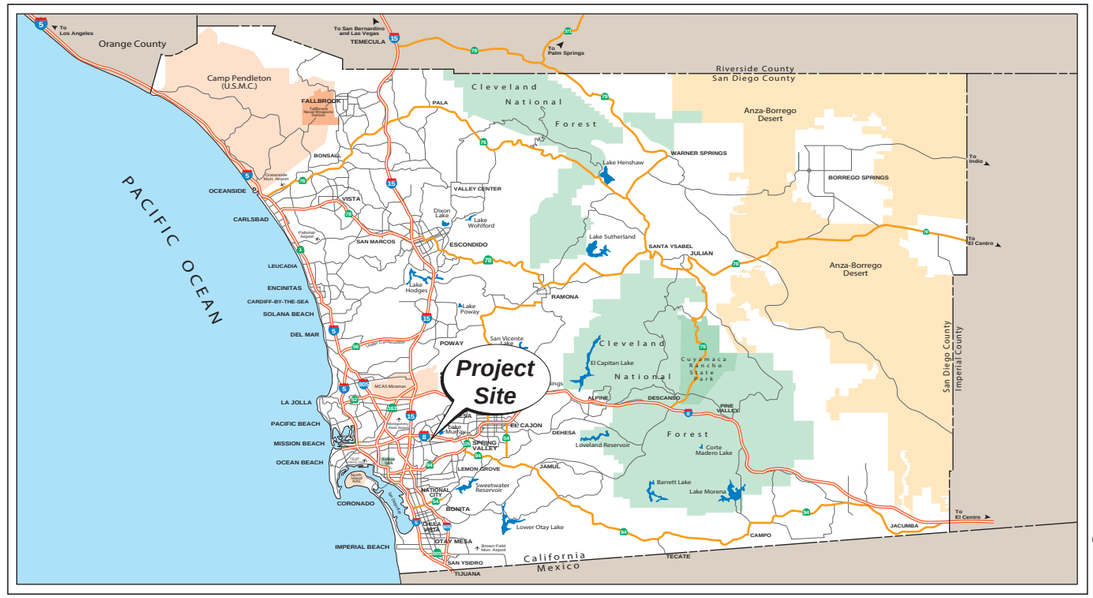
[i] Nationwide Environmental Title Research (NETR) report dated August 31, 2018.

viii. Site vicinity reconnaissance conducted by Allison O'Neal (SCS) on October 10, 2018.

ix. EDR, "Radius Map™ Report," unpublished report prepared for 7401 Alvarado Rd La Mesa, CA 91942, dated October 4, 2018.

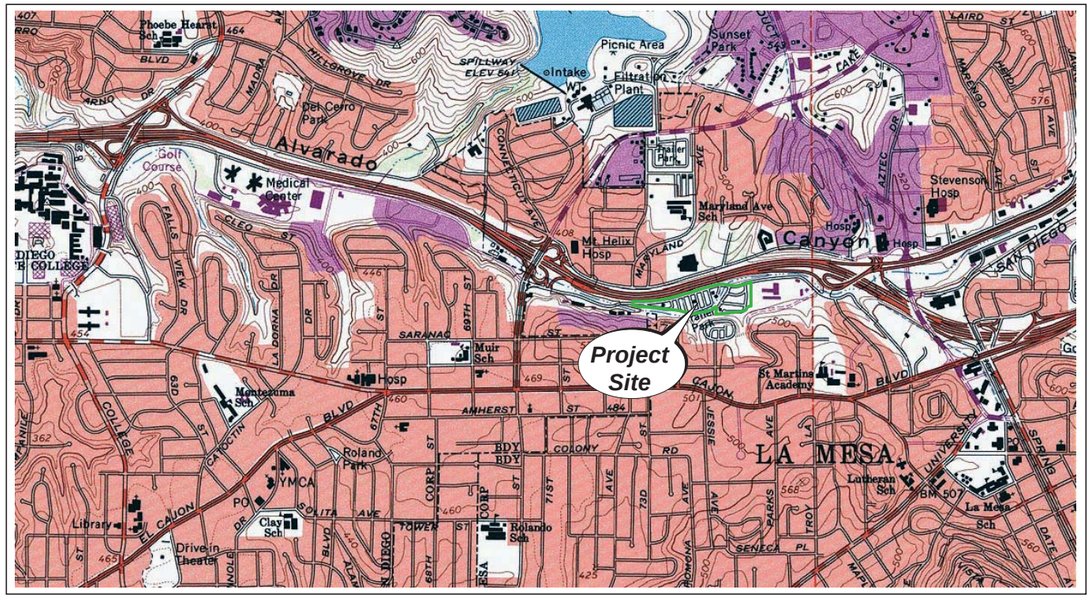
x. California Division of Oil, Gas, and Geothermal Resources Online Mapping System, http://maps.conservation.ca.gov/doms/doms-app.html.

FIGURES



North
(Not to scale)

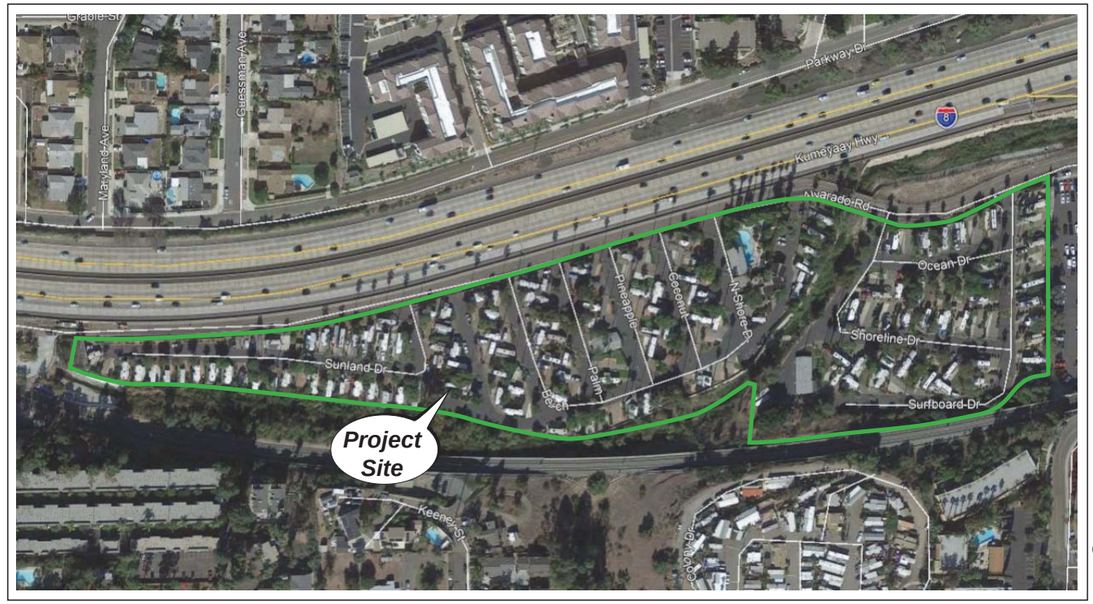
REGIONAL SITE LOCATION



North
(Not to scale)

Reference:
U.S.G.S. 7.5 Minute Quadrangle map
La Mesa, California

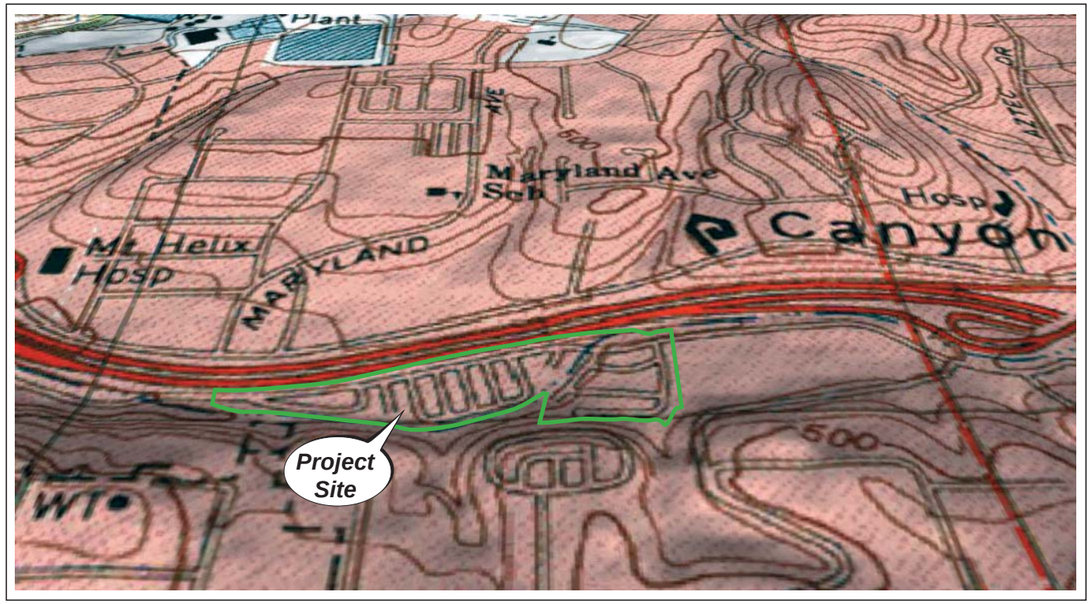
2-DIMENSIONAL SITE LOCATION



North
(Not to scale)

Reference:
Google Earth Aerial Photograph
La Mesa, California - November 2016

SITE AERIAL PHOTOGRAPH



North
(Not to scale)

Reference:
U.S.G.S. 7.5 Minute Quadrangle map
La Mesa, California

3-DIMENSIONAL SITE LOCATION

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

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4-WAY SITE LOCATION MAP
RV Communities, LLC
7401 Alvarado Road
La Mesa, California

Project No.: 01218237.00

Figure 1

Date Drafted: 10/18/18



LEGEND

- Approximate Site boundary
- Pole-mounted electrical transformer
- Location and direction of Site photograph

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

Reference: Google Earth Aerial Photograph
La Mesa, California - November 2016

North
Not to Scale

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SITE AND SITE VICINITY PLAN

RV Communities, LLC
7401 Alvarado Road
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Project No.: 01218237.00

Figure 2

Date Drafted: 10/19/18



1) View of the registration office at the Site looking southeast.



2) View of a typical street on the Site looking north.

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PHOTOGRAPHIC PLATE
RV Communities, LLC
7401 Alvarado Road
La Mesa, California

Project No.: 01218237.00

Figure 3a

Date Drafted: 10/17/18



1) View of a typical street in the middle portion of the Site looking northeast.



2) View of the far western portion of the Site looking west.

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PHOTOGRAPHIC PLATE
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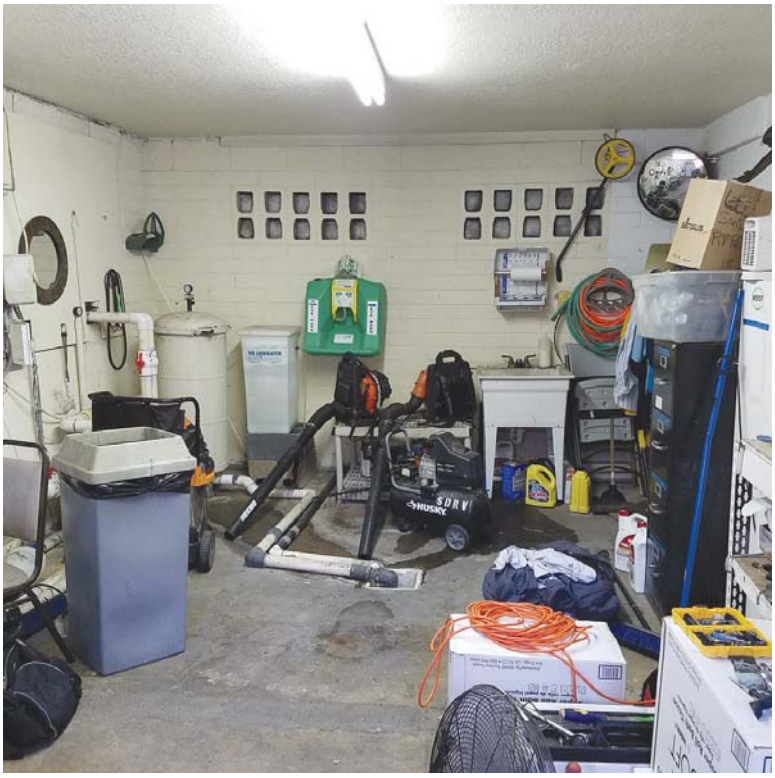
01218237.00

Figure 3b

Date Drafted:
10/17/18



1) View of a typical RV parking space, water and sewer hookups, and oil stains on asphalt observed at the Site.



2) Interior view of the supply office and floor drain.

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PHOTOGRAPHIC PLATE
RV Communities, LLC
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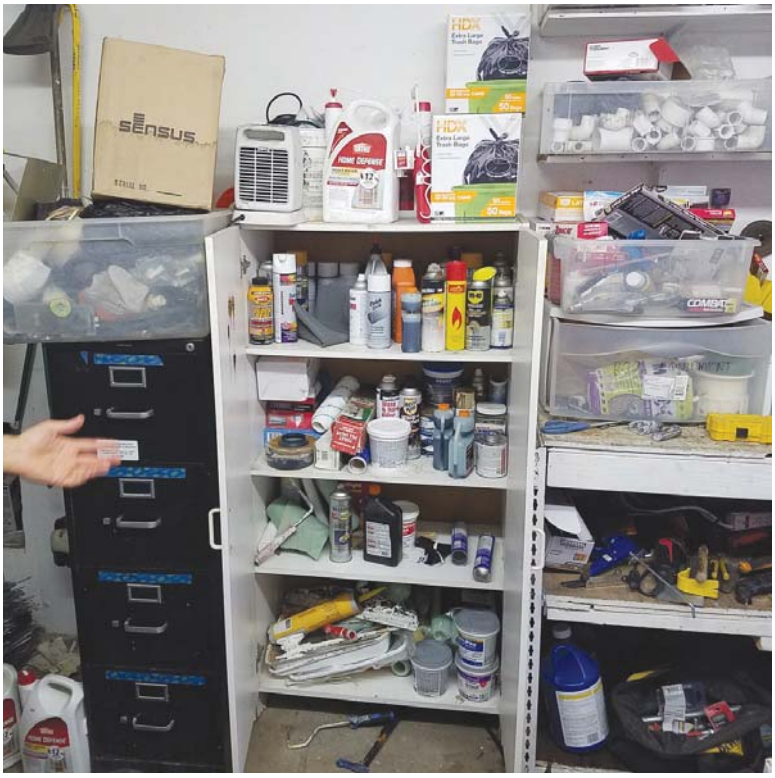
Figure 3c

Date Drafted: 10/17/18



1) View of the chemical storage cabinet within the supply office.



2) View of small retail quantities of commercial cleaners within the supply office.

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PHOTOGRAPHIC PLATE
RV Communities, LLC
7401 Alvarado Road
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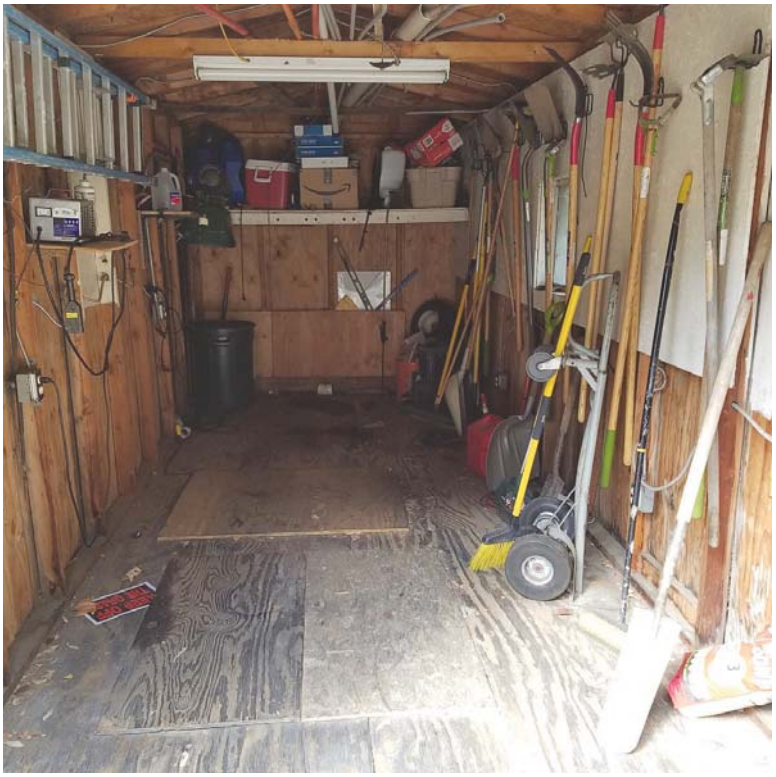
Project No.: 01218237.00

Figure 3d

Date Drafted: 10/17/18



1) Exterior of laundry/restroom/storage/building and landscaping shed.



2) Interior view of landscaping shed.

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PHOTOGRAPHIC PLATE
RV Communities, LLC
7401 Alvarado Road
La Mesa, California

Project No.: 01218237.00

Figure 3e

Date Drafted: 10/17/18



1) View of one 5-gallon paint can and bucket in storage room.



2) View of propane tank observed at the Site.

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PHOTOGRAPHIC PLATE
RV Communities, LLC
7401 Alvarado Road
La Mesa, California

Project No.: 01218237.00

Figure 3f

Date Drafted: 10/17/18



1) View of pole-mounted transformer.



2) View of electrical room and the ground beneath the pole-mounted transformer.

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PHOTOGRAPHIC PLATE
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7401 Alvarado Road
La Mesa, California

Project No.:
01218237.00

Figure 3g

Date Drafted:
10/17/18



1) View of the concrete-lined drainage swale observed at the Site.



2) View of adjoining trolley station and concrete-lined drainage swale to the west of the Site.

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PHOTOGRAPHIC PLATE
RV Communities, LLC
7401 Alvarado Road
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Project No.: 01218237.00

Figure 3h

Date Drafted: 10/17/18



1) View of adjoining Family Auto Service to the west of the Site.



2) View of adjoining Chevrolet Auto Sales and Service to the east of the Site.

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PHOTOGRAPHIC PLATE
RV Communities, LLC
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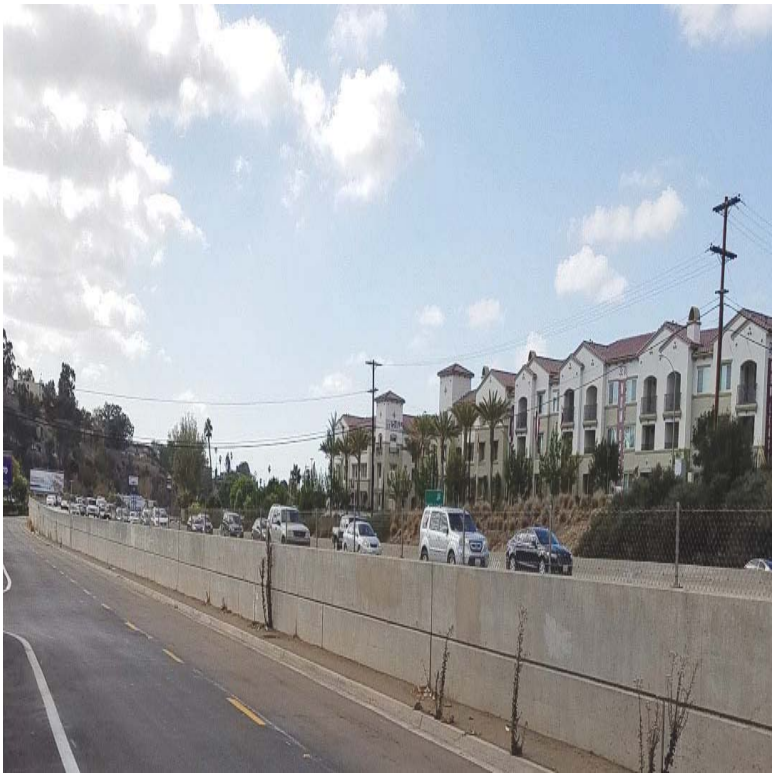
Project No.: 01218237.00

Figure 3i

Date Drafted: 10/17/18



1) View of trolley line, drainage swale, and La Cuesta Apartments to the south of the Site.



2) View of Interstate 8 Freeway and SETA Apartments to the north of the Site.

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PHOTOGRAPHIC PLATE
RV Communities, LLC
7401 Alvarado Road
La Mesa, California

Project No.: 01218237.00

Figure 3j

Date Drafted: 10/17/18

APPENDICES

GLOSSARY

adjacent property. Any real property or properties the border of which is contiguous or partially contiguous with that of the Site or that would be contiguous or partially contiguous with that of the Site but for a street, road, or other public thoroughfare separating them.

aerial photographs. Photographs taken from an airplane or helicopter of areas encompassing the Site.

asbestos. Six naturally occurring fibrous minerals found in certain types of rock formations. Of the six, the minerals chrysotile, amosite, and crocidolite have been the most commonly used in building products. When inhaled in sufficient quantities, asbestos fibers can cause serious health problems.

asbestos-containing material (ACM). Any material or product that contains more than 1% asbestos.

construction debris. Any concrete, brick, asphalt, and other building materials discarded in the construction of a building or other improvement to property.

Controlled recognized environmental conditions. A *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances* or *petroleum products* allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity use limitations, institutional controls, or engineering controls).

de minimis condition. A condition that generally does not present a threat to human health or the environment and that generally would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies). A condition considered *de minimis* is not a *recognized environmental condition*.

drum. A container (typically, but not necessarily, holding 55 gallons of liquid) that may be used to store hazardous substances or petroleum products.

dry well. Underground areas where soil has been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm runoff, for the collection of spilled liquids (spilled intentionally or not), and for wastewater disposal (often illegal).

fill dirt. Dirt, soil, sand, or other earth that is obtained off site and that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

fire insurance map. Maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the property.

hazardous material. Any material that, because of its quantity, concentration, or physical and chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. Hazardous materials include, but are not limited to, hazardous substances, hazardous waste, and any material which a handler or the administering agency has a reasonable basis for believing would be injurious to the health or safety of persons or harmful to the environment if released into the workplace or the environment.

hazardous substance. Pursuant to CERCLA, hazardous substances include the following:

1) All toxic pollutants and hazardous substances listed under the Clean Water Act
2) Hazardous wastes regulated under RCRA
3) Any hazardous air pollutant under the Clean Air Act
4) Chemicals designated as "immediately hazardous" under the Toxic Substance Control Act

The EPA is also allowed to designate additional substances as hazardous if they present a substantial danger to the public health or welfare or the environment when released.

hazardous waste. A substance defined pursuant to the Solid Waste Disposal Act amended by RCRA, a hazardous waste is a solid waste, or a combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics, may contribute to an increase in mortality or an increase in serious irreversible, or incapacitating illness or pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.

historical recognized environmental condition. A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

landfill. A place or area of land used for the disposal of solid wastes as defined by state solid waste regulations. Synonymous with the term *solid waste disposal site,* a landfill is also known as a garbage dump or trash dump.

likelihood. As used in this Report, the term *likelihood* pertains to the probability of a match between the prediction of an event and its actual occurrence. As used by SCS Engineers, the term *low likelihood* approximates a percentage range to 10 to 20 percent; *moderate likelihood* approximates 40 to 60 percent; and *high likelihood* approximates 80 to 90 percent.

Material Safety Data Sheet (MSDS). Written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA standards.

obvious. That which is plain or evident. The term refers to a condition or fact that could not be ignored or overlooked by a reasonable observer while physically observing the property.

PCE. Perchloroethene/perchloroethylene, or "Perc"; also tetrachloroethene/tetrachloroethylene; commonly used as a solvent for dry-cleaning.

petroleum products. Petroleum, including crude oil, natural gas, natural gas liquids, liquefied natural gas, synthetic gas usable for fuel, kerosene, diesel oil, jet fuels, motor oil, hydraulic oil, gear oils, and fuel oil.

recognized environmental conditions (RECs). Recognized environmental conditions, as defined by the American Society for Testing and Materials (ASTM), include the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. However, the term is

not intended to include *de minimis* conditions.

retail quantities (RQs). Quantities of hazardous materials usually less than 50 gallons, 100 pounds, or 200 cubic feet of gas (under the regulatory reporting limits).

small retail quantities (SRQs). Quantities of hazardous materials in containers of 5 gallons or less, and less than 50 gallons in aggregate.

solvent. A chemical compound that is capable of dissolving another substance and is itself a hazardous substance, such as TCE, TCA, PCE, Stoddard solvent, paint thinner, mineral spirits, and acetone. Solvents are used in a number of manufacturing or industrial processes.

TCA. Trichloroethane; also 1,1,1 TCA; a commonly used industrial solvent for degreasing/cleaning.

underground storage tank (UST). Any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10 percent or more beneath the surface of the ground.

visually and/or physically observed. This term refers to observations made by vision during the Site visit while walking through the Site or Site building(s), and observations made by the sense of smell, particularly awareness of noxious or foul odors.

ACRONYMS

µg/kg	micrograms per kilogram
µg/L	micrograms per liter
ARAR	Applicable, Relevant, and Appropriate Requirements
ASPIS	Abandoned Sites Program Information System
APCD	Air Pollution Control District
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BAT	Best Available Technology
bg	below grade
bgs	below ground surface
BMP	Best Management Practice
BTEX	**b**enzene, toluene, ethylbenzene, and xylenes
Cal-EPA	California Environmental Protection Agency
CCDC	Centre City Development Corporation
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CGI	Combustible Gas Indicator
CHSP	Community Health and Safety Plan
CIR	Compliance Inspection Report

CoCs	Constituents of Concern
CPT	Cone Penetration Testing
CREC	Controlled Recognized Environmental Condition
DAF	Dilution and Attenuation Factor
DDT	Dichlorodiphenyltrichloroethane
DEED RSTR	California Department of Health Services Deed Restriction
DEH	County of San Diego Department of Environmental Health
DTSC	Department of Toxic Substance Control
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FoPC	Features of Potential Concern
HREC	Historical Recognized Environmental Condition
HMMD	Hazardous Materials Management Division, County of San Diego
HVAC	heating, ventilation, and air conditioning
HVOCs	halogenated volatile organic compounds
HWSSL	Hazardous Waste and Substances Sites List
IDW	**i**nvestigation-derived wastes
IPM	**i**ntegrated pest management
JURMP	Jurisdictional Urban Runoff Management Program
LEL	lower explosive limit
LESA	Limited Environmental Site Assessment
LNAPL	Light Nonaqueous Phase Liquid
LOA	Letter of Authorization
LUFT	leaking underground fuel tank
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
MIWD	Metropolitan Industrial Wastewater Division
MSCP	Multiple Species Conservation Plan
MSDS	Material Safety Data Sheet
MTBE	methyl tertiary butyl ether; *also* methyl tert-butyl ether
NA	not applicable
NCP	National Contingency Plan
ND	not detected
NESSHAPS	National Emissions Standards for Hazardous Air Pollutants
NFA	no further action
NFRAP	No Further Remedial Action Plan
NOI	Notice of Intent

NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
OLS	**o**rdinary least squared
OSHA	Occupational Safety and Health Administration
PCBs	polychlorinated biphenyls
PCE	perchloroethene/perchloroethylene, *or* "Perc"; *also* tetrachloroethene/tetrachloroethylene
PEAR	Preliminary Environmental Assessments Required
PID	photoionization detector
PMP	Property Mitigation Plan
PAHs	polynuclear aromatic hydrocarbons
PRG	Preliminary Remediation Goals
PRP	potentially responsible party (pursuant to CERCLA)
PSH	phase-separated hydrocarbons
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RCRA VIOL	Comprehensive Environmental Response, Compensation and Liability Act–hazardous waste generators violations/enforcement actions
RCRIS-G	Comprehensive Environmental Response, Compensation, and Liability Act Information System–Generators (hazardous waste)
REC	recognized environmental condition
RF	remote fill
RNA	remediation by natural attenuation
RQs	retail quantities
RWQCB	Regional Water Quality Control Board
SAM	Site Assessment and Mitigation Program (San Diego County Department of Environmental Health)
SAP	Site Assessment Protocol
SCL	Department of Toxic Substance Control database
SDG&E	San Diego Gas and Electric
SI	**s**ite inspection
SRQs	small retail quantities
SMP	Soil Management Plan
SPCC	Spill Prevention Control and Countermeasure
STLC	Soluble Threshold Limit Concentration
SWAT	Solid Waste Assessment Test
SWIS	Solid Waste Information System
SWLF	Solid Waste Landfills
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TCA	Trichloroethane; also 1,1,1 TCA

TCE	trichloroethene; trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
THF	Tetrahydrofuran
TPH	total petroleum hydrocarbons
TPHg	TPH as gasoline
TPHd	TPH as diesel
TPHext	TPH extended range
TPHo	TPH oil range
TRIS	Toxic Release Information System
TRPH	total recoverable petroleum hydrocarbons
TTLCs	Total Threshold Limit Concentrations
UAR	unauthorized release
USGS	United States Geological Survey
UST	underground storage tank
VAP	Voluntary Action Plan
VES	Vapor Extraction System
WDR	Waste Discharge Requirements
WET	Waste Extraction Test
WMUDS	Waste Management Unit Database System

SAN DIEGO GAS & ELECTRIC LETTER

Willis G. Brull
Principal Environmental Specialist

Environmental Services—Hazardous Materials/Waste
6875 Consolidated Way
San Diego, CA 92121-2602

Telephone: (858) 547-3069
Fax: (858)547-6529
E-Mail: jbrull@semprautilities.com

March 7, 2008

Mr. Ralph Vasquez
Environmental Business Solutions
8799 Balboa Avenue #290
San Diego, CA 92123

SAN DIEGO GAS & ELECTRIC (SDG&E) PCB TRANSFORMERS

Dear Mr. Vasquez,

This letter is in response to your inquiry on March 5, 2008 regarding the transformers purchased by San Diego Gas & Electric (SDG&E).

SDG&E has never specified PCB transformers for its distribution system. Although only mineral oil transformers were purchased, some older, pre 1980, mineral oil transformers were inadvertently contaminated with PCBs by the manufacturer.

Based on the SDG&E statistical sampling and testing program, it is unlikely that the SDG&E equipment is PCB contaminated. The only way to know with certainty is by testing.

SDG&E is responsible for ensuring that its transformers comply with EPA regulations governing PCBs. However, EPA regulations do not require the testing of individual mineral oil transformers. Therefore, should you wish for that to be done, there will be a charge associated with the testing and if a service interruption is deemed necessary then there will be additional charges for any high voltage line work and associated labor costs.

Please call me at (858) 547-3069 if you need additional information.

Sincerely,

Willis G. Brull
Principal Environmental Specialist

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
RECORDS FOR THE SITE

RECEIVED
OCT 08 2018
ENVIRONMENTAL HEALTH

Request # 10-089

County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(858) 505-6700 FAX (858) 505-6848
www.sdcdeh.org

PUBLIC RECORDS REQUEST FOR THE SITE ASSESSMENT AND MITIGATION (SAM) PROGRAM AND HAZARDOUS MATERIALS DIVISION (HMD)

Requestor Name: Allison O'Neal **E-Mail:** aoneal@scsengineers.com

Phone: (858)583-7763 **FAX:** ( )

Company Name: SCS Engineers

Mailing Address: 8799 Balboa Ave #290 San Diego CA, 92123
(You may attach a business card/overprint with business card if preferred)

Additional information may be accessed from the DEH website, www.sdcdeh.org. Fax or email your completed form to the Public Records Program at (858) 505-6848 or PublicRecords.DEH@sdcounty.ca.gov. The following information is required. Separate forms are needed for each address or parcel number.

_____ **or** **469-130-37-00**
Exact Address (Street, City and Zip Code) Assessor Parcel Number

Optional information (establishment permit number, business name, etc.):

Please indicate the purpose of your search by checking all that apply:

X☐ Contaminated Property Investigation(s) (SAM Cases)
X☐ SAM Closure Letter/Report
X☐ Hazardous Materials Permit & Underground Storage Tank Files (HMD/UST)
☐ Other (specify):
X☐ Monitoring Well Files

OFFICE USE ONLY BELOW THIS LINE

Files reviewed by: _____ of _____ Date: _____
Files copied for: _____ of _____ Date: _____
Request cancelled by: _____ Date: _____
Photocopies _____ Cost _____ E-mailed / picked up / mailed on _____ By _____

A search for DEH records checked above has been conducted and the following apply:

☐ SAM files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☐ HMD/UST files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☐ LMWP files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☒ No SAM/HMD/UST records were found / purged for the address/APN you requested.

EoA
Signature - DEH Representative

10/10/18
Date

DEH complies fully with the California Public Records Act and the Federal Freedom of Information Act. Please be advised that photocopy and/or scanned file fees may apply.

RECEIVED
OCT 08 2018
ENVIRONMENTAL HEALTH

Request # 10-090

County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(858) 505-6700 FAX (858) 505-6848
www.sdcdeh.org

PUBLIC RECORDS REQUEST FOR THE SITE ASSESSMENT AND MITIGATION (SAM) PROGRAM AND HAZARDOUS MATERIALS DIVISION (HMD)

Requestor Name: Allison O'Neal **E-Mail:** aoneal@scsengineers.com

Phone: (858)583-7763 **FAX:** ( )

Company Name: SCS Engineers

Mailing Address: 8799 Balboa Ave #290 San Diego CA, 92123
(You may attach a business card/overprint with business card if preferred)

Additional information may be accessed from the DEH website, www.sdcdeh.org. Fax or email your completed form to the Public Records Program at (858) 505-6848 or PublicRecords.DEH@sdcounty.ca.gov. The following information is required. Separate forms are needed for each address or parcel number.

_____ **or** **469-130-38-00**
Exact Address (Street, City and Zip Code) Assessor Parcel Number

Optional information (establishment permit number, business name, etc.):

Please indicate the purpose of your search by checking all that apply:

X☐ Contaminated Property Investigation(s) (SAM Cases)
X☐ Monitoring Well Files
X☐ SAM Closure Letter/Report
X☐ Hazardous Materials Permit & Underground Storage Tank Files (HMD/UST)
☐ Other (specify):

OFFICE USE ONLY BELOW THIS LINE

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Request cancelled by: _____ Date: _____
Photocopies _____ Cost _____ E-mailed / picked up / mailed on _____ By _____

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#_____ #_____ #_____ #_____ #_____

☐ HMD/UST files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☐ LMWP files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☒ No SAM/HMD/UST records were found / purged for the address/APN you requested.

EA
Signature - DEH Representative

10/10/18
Date

DEH complies fully with the California Public Records Act and the Federal Freedom of Information Act. Please be advised that photocopy and/or scanned file fees may apply.

RECEIVED
OCT 08 2018
ENVIRONMENTAL HEALTH

Request # 10-091

County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(858) 505-6700 FAX (858) 505-6848
www.sdcdeh.org

PUBLIC RECORDS REQUEST FOR THE SITE ASSESSMENT AND MITIGATION (SAM) PROGRAM AND HAZARDOUS MATERIALS DIVISION (HMD)

Requestor Name: Allison O'Neal **E-Mail:** aoneal@scsengineers.com

Phone: (858)583-7763 **FAX:** ( )

Company Name: SCS Engineers

Mailing Address: 8799 Balboa Ave #290 San Diego CA, 92123
(You may attach a business card/overprint with business card if preferred)

Additional information may be accessed from the DEH website, www.sdcdeh.org. Fax or email your completed form to the Public Records Program at (858) 505-6848 or PublicRecords.DEH@sdcounty.ca.gov. The following information is required. Separate forms are needed for each address or parcel number.

_____ **or** **469-130-39-00**
Exact Address (Street, City and Zip Code) Assessor Parcel Number

Optional information (establishment permit number, business name, etc.):

Please indicate the purpose of your search by checking all that apply:

X☐ Contaminated Property Investigation(s) (SAM Cases)
X☐ Monitoring Well Files
X☐ SAM Closure Letter/Report
X☐ Hazardous Materials Permit & Underground Storage Tank Files (HMD/UST)
☐ Other (specify):

OFFICE USE ONLY BELOW THIS LINE

Files reviewed by: _____ of _____ Date: _____
Files copied for: _____ of _____ Date: _____
Request cancelled by: _____ Date: _____
Photocopies _____ Cost _____ E-mailed / picked up / mailed on _____ By _____

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☐ SAM files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

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#_____ #_____ #_____ #_____ #_____

☐ LMWP files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☒ No SAM/HMD/UST records were found / purged for the address/APN you requested.

ECA
Signature - DEH Representative

10/10/18
Date

DEH complies fully with the California Public Records Act and the Federal Freedom of Information Act. Please be advised that photocopy and/or scanned file fees may apply.

RECEIVED
OCT 08 2018
ENVIRONMENTAL HEALTH

Request # 10-092

County of San Diego

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(858) 505-6700 FAX (858) 505-6848
www.sdcdeh.org

PUBLIC RECORDS REQUEST FOR THE SITE ASSESSMENT AND MITIGATION (SAM) PROGRAM AND HAZARDOUS MATERIALS DIVISION (HMD)

Requestor Name: Allison O'Neal **E-Mail:** aoneal@scsengineers.com

Phone: (858)583-7763 **FAX:** ( )

Company Name: SCS Engineers

Mailing Address: 8799 Balboa Ave #290 San Diego CA, 92123
(You may attach a business card/overprint with business card if preferred)

Additional information may be accessed from the DEH website, www.sdcdeh.org. Fax or email your completed form to the Public Records Program at (858) 505-6848 or PublicRecords.DEH@sdcounty.ca.gov. The following information is required. Separate forms are needed for each address or parcel number.

_____ **or** **469-130-42-00**
Exact Address (Street, City and Zip Code) Assessor Parcel Number

Optional information (establishment permit number, business name, etc.):

Please indicate the purpose of your search by checking all that apply:

X☐ Contaminated Property Investigation(s) (SAM Cases)
X☐ SAM Closure Letter/Report
X☐ Hazardous Materials Permit & Underground Storage Tank Files (HMD/UST)
☐ Other (specify):
X☐ Monitoring Well Files

OFFICE USE ONLY BELOW THIS LINE

Files reviewed by: _____ of _____ Date: _____
Files copied for: _____ of _____ Date: _____
Request cancelled by: _____ Date: _____
Photocopies _____ Cost _____ E-mailed / picked up / mailed on _____ By _____

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☐ SAM files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☐ HMD/UST files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☐ LMWP files for the permit number(s) listed below are available.
#_____ #_____ #_____ #_____ #_____

☒ No SAM/HMD/UST records were found / purged for the address/APN you requested.

EA 10/10/18
Signature - DEH Representative Date

DEH complies fully with the California Public Records Act and the Federal Freedom of Information Act. Please be advised that photocopy and/or scanned file fees may apply.

PERMIT #LMWP-001424
A.P.N. #469-021-18
EST #NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: SDG&E LINE 49-17 (6, 7, & 8)

SITE ADDRESS: IN CITY RIGHT OF WAY ADJACENT TO ALVARDO RD., AND SAN DIEGO WAY LA MESA CA 91942

PERMIT FOR: **THREE BORINGS**

PERMIT APPROVAL DATE: NOVEMBER 25, 2014

PERMIT EXPIRES ON: MARCH 25, 2015

RESPONSIBLE PARTY: SAN DIEGO GAS & ELECTRIC

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (**http://www.sdcounty.ca.gov/deh/water/sam_manual.html).** In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.**

APPROVED BY: Amelia Ceseña Digitally signed by Amelia Ceseña DN: cn=Amelia Ceseña, o=DEH, ou=MWP, email=amelia.cesena@sdcounty.ca.gov, c=US Date: 2014.11.25 08:27:41 -08'00' DATE: 11.25.2014

AMELIA CESEÑA

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMWP# 001424
SAM CASE Y/N # NONE
DATE RECEIVED: 11-20-2014
FEE PAID: _____
CHECK # _____

A. RESPONSIBLE PARTY San Diego Gas & Electric E-mail jblack@semprautilities.com
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 4848 Santa Fe Street City San Diego State CA Zip 92109
Contact Person John Black Phone 858.547.2039 Ext._____

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # _____

C. CONSULTING FIRM Kleinfelder Inc.
Mailing Address 550 West C Street, Suite 1200 City San Diego State CA Zip 92101
Registered Professional Kevin Crennan Phone 619.831.4600 Registration #54045(RCE)
E-mail kcrennan@kleinfelder.com
Contact Person Trampus Grindstaff Phone 619.831.4589 Ext_____ Email tgrindstaff@kleinfelder.com

D. DRILLING COMPANY Cascasde Drilling C57#938110
Contact Name Manuel Marquez E-mail mmarquez@cascadedrilling.com
Mailing Address 11442 North Woodside Ave City San Diego State CA Zip 92071
Phone 619.596.0644 Ext._____

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☒ Boring	3
☐ Other	___

NUMBER OF WELLS TO BE DESTROYED

☐ Destruction ___

MATERIALS TO BE USED

CASING
Not Applicable X
Type _____
Gauge_____
Diameter _____
Screen Size _____
Filter Pack _____

SEAL/BORING BACKFILL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other
Borehole diameter 6"

Drilling Method
☐ Auger ☐ Air Rotary
☐ Direct Push ☒ Sonic
☐ Other _____ ☐ Percussion

PROPOSED CONSTRUCTION
Estimated Groundwater Depth: 25 ft.
Estimated Depth of Boring: 45 ft.
Concrete Seal: 0 to 3
Annular Seal: _____to_____
Filter Pack: _____to_____
Perforation: _____to_____

NOTE: Attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 11.20.14

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk (858) 505-6688 with a complete well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

PG/RCE/CEG SIGNATURE [signature] DATE 11/20/14

F. SITE INFORMATION - A Property Owner Consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. Submit a separate sheet for additional parcels.

1. **ASSESSOR'S PARCEL NUMBER** Adjacent APN:4690211800

   Site Name SDG&E Line 49-17 (6,7&8)

   Site Address Alvarado Road City La Mesa Zip 91942

   PROPERTY OWNER City of La Mesa

   Phone 619.667.1166 Ext. _____ Fax 619.667.1380

   Mailing Address 8131 Allison Avenue City La Mesa State CA Zip91941

   NUMBER OF WELLS _____ **TYPE OF WELLS** Geotechnical Boring - 3

2. **ASSESSOR'S PARCEL NUMBER** _____

   Site Address _____ City _____ Zip _____

   PROPERTY OWNER _____

   Phone _____ Ext. _____ Fax _____

   Mailing Address _____ City _____ State _____ Zip _____

   NUMBER OF WELLS _____ **TYPE OF WELLS** _____

G. QUESTIONNAIRE: Please answer all applicable questions completely *and submit any required supportive documentation.*

1. What is the purpose of the well/boring investigation?

   ☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

   _____ DEH _____ RWQCB _____ DTSC

   ☐ b. Part of a Phase I investigation for property ownership transfer.

   ☒ c. Geotechnical investigation for proposed construction or land stabilization.

   ☐ d. Other: _____

2. If wells are to be destroyed, provide a description of method of destruction N/A

3. Are you proposing a variation from current SAM Manual Requirements for the construction or destruction of borings, Vadose and/or Groundwater Monitoring Wells? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (www.sdcdeh.org). Yes ☐ No ☒

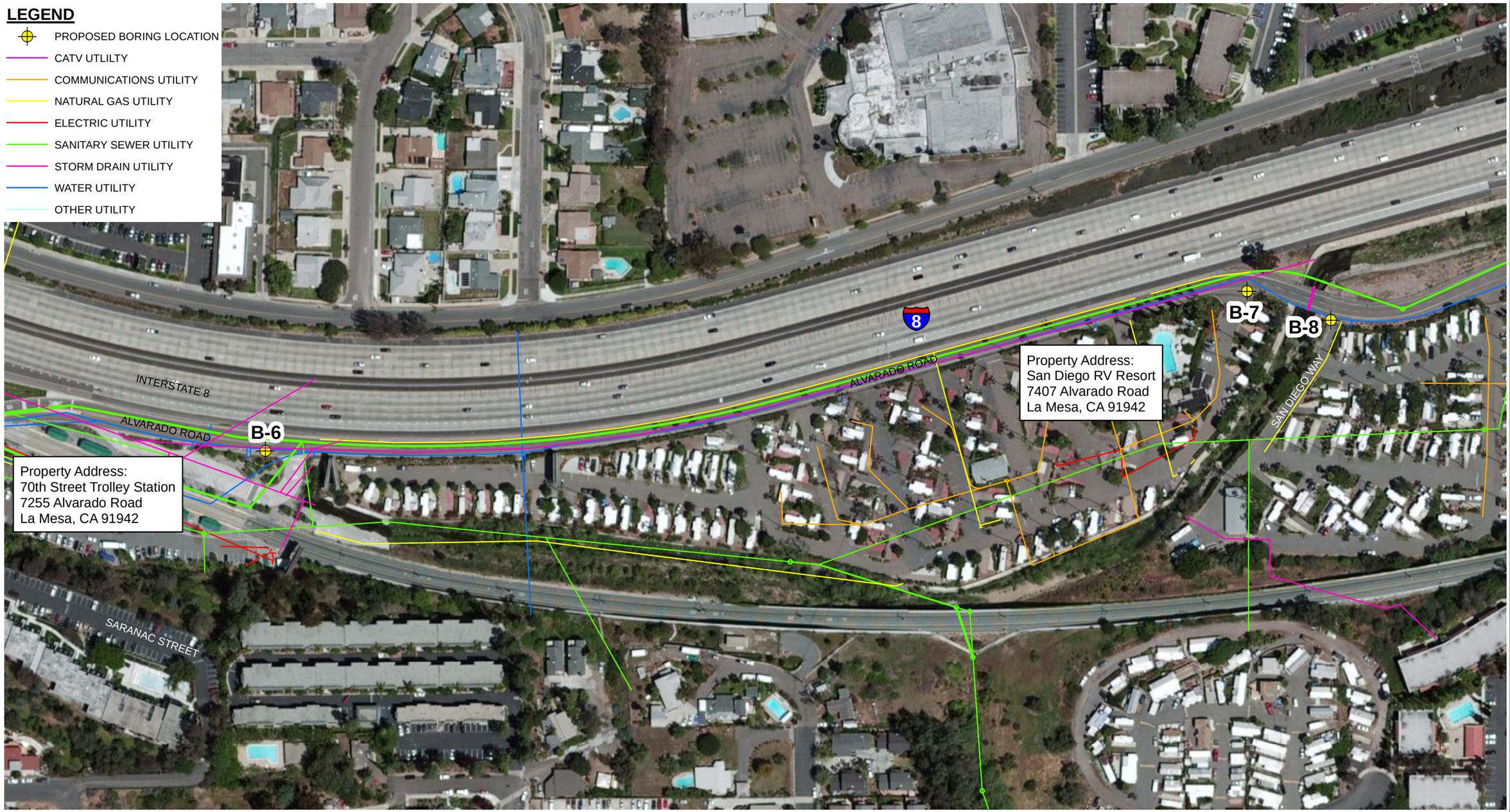
   _____

H. FEES

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$200.00 for the first monitoring well	**$200.00**
Each Additional New Well	$161.00 for each additional well installation	_____**x $161.00**
New Well Inspection	$99.00 for first new well inspection	**$99.00**
	$30.00 for each additional new well inspection	_____**x $ 30.00**
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$200.00 for the first boring	1**x $200.00** **200.00**
	$49.00 for each additional boring	2**x $ 49.00** **98.00**
Permit for Well Destructions Only	$200.00 for the first destruction	_____**x $200.00** _____
	$123.00 for each additional destruction	_____**x $123.00** _____
Permit for any Combination of Well Installations, Borings, & Destructions ***(Except Enhanced Leak Detection)***	$200.00 for the first activity	_____**x $200.00** _____
	$161.00 for each additional well	_____**x $161.00** _____
	$99.00 for first well maintenance inspection	_____**x $ 99.00** _____
	$ 30.00 for each additional well maintenance inspection	_____**x $ 30.00** _____
	$123.00 for each well destruction	_____**x $123.00** _____
	$ 49.00 for each additional boring	_____**x $ 49.00** _____
Permit for Enhanced Leak Detection	**$320.00 (Flat Fee)**	**$**_____
	TOTAL COST OF PERMIT	**$ 298.00**

LEGEND

- PROPOSED BORING LOCATION
- CATV UTLILTY
- COMMUNICATIONS UTILITY
- NATURAL GAS UTILITY
- ELECTRIC UTILITY
- SANITARY SEWER UTILITY
- STORM DRAIN UTILITY
- WATER UTILITY
- OTHER UTILITY



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0 75 150 300
Feet

N

KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

PROJECT NO.	20151782
DRAWN:	10/27/2014
DRAWN BY:	JP
CHECKED BY:	TG
FILE NAME:	20151782_SiteSDway1.mxd

PROPOSED BORING LOCATION MAP

CAMPOS
SDG&E LINE SL-49-17, ALVARADO AREA
LA MESA, CALIFORNIA

PLATE
1

Date: 10/27/2014 User: jpatay Name: 20151782_SiteSDway1 Path: J:_clients\Campos\20151782.001a\20151782_SiteSDway1.mxd

CITY OF LA MESA
JEWEL of the HILLS

PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION
8130 ALLISON AVENUE, LA MESA, CA 91941
PHONE: (619) 667-1166 ■ FAX: (619)-667-1380

ENCROACHMENT PERMIT

PERMIT #: EP14-275
Status: ISSUED

Address:
Location: 7255 & 7407 Alvarado Road
Parcel:
Subdivision: Lot/Block:

Issued: 11/20/2014
Final:
Expires: 03/15/2015

APPLICANT: KLEINFELDER, INC.
550 WEST C ST., SUITE 1200 SAN DIEGO, CA 92101
Phone: 619-831-4600

CONTRACTOR: CASCADE DRILLING LP
11442 N. WOODSIDE AVE. SANTEE, CA 92071
Phone: 619-596-0644
Contractor #: 938110

OWNER:
Phone:

Permit Type: COM **Drawing No. / Sketch:** Attached drawing

Description of Work:
Pothole 3 locations to perform geotechnical soil sampling for new gas main proposed in Alvarado Road for SDG&E. Potholes are located in front of 7407 and 7255 Alvarado Road. See attached maps for detailed locations. Patch potholes per City of La Mesa Public Works Inspector.

Comments:
DON 11/20/2014 Refund deposit to Kleinfelder, Inc, Mastercard and any interest to 550 West C Street, San Diego, CA 92101.

Bond Required: Type: Mastercard Amount: $1,000.00
Bond Company: Kleinfelder, Inc. Receipt #: 114579
Date Bond Posted: 11/20/2014 Date Bond Released:

FEE SUMMARY

Encroachment Minor Fees:	$147.00	TC Plan Check Fee:	$210.00
Encroachment Major Fees:	$0.00		
Minor Inspection Fee:	$238.00		
Major Inspection Fee:	$0.00	Plan Check Fee:	$0.00
Maj.Insp. Fee (701-2609):	$0.00	Cash/Deposit Bond:	$1,000.00
Soil / Geotech:	$0.00		

Other Fees. . . . . :	$0.00
Total Permit Fee . . . . . :	$1,595.00
Total Payments . . . . . :	$1,595.00
Balance Due . . . . . :	**$0.00**

- Permittee is required to call for inspection 48 hours in advance of commencement of any construction activities and as required by the City Engineer (call 619-667-1166 Engineering Division, 619-667-1151 Public Works Inspector).
- Before excavating, permittee shall check with utilities for location of existing sub-structures. Call Underground Service Alert at 1-800-422-4133. Notify two (2) working days minimum before any kind of digging or excavation begins.
- Work to be done to the City of La Mesa Standard Drawings and Specifications, San Diego Regional Standard Drawings, Standard Specifications for Public Works Construction "Green Book" and to the satisfaction of the City Engineer.

May 1, 2015
Project No. 20151782.001A

Ms. Veronica Tavizon
Monitoring Well Permit Desk
County of San Diego
Department of Environmental Health
Site Assessment Mitigation Program
5500 Overland Avenue, Suite 110
San Diego, California 92123

Subject: **60-Day Report**
San Diego Gas and Electric
Natural Gas Line 49-17 (Boring 6, 7 & 8)
City ROW Adjacent to Alvarado Road, and San Diego Way
La Mesa, California

APN: 469-021-18
Permit No. LMWP-001424
EST # NONE

Dear Ms. Tavizon:

Kleinfelder, Inc. (Kleinfelder), on behalf of Campos EPC, LLC performed a geotechnical and environmental study as part of a Pipeline Safety Enhancement Program (PSEP) for the proposed San Diego Gas and Electric (SDG&E) Natural Gas Line 49-17. Prior to our work at the site, Kleinfelder obtained permit number LMWP-001424 from the County Department of Environmental Health for three geotechnical soil borings. The project vicinity is shown on the attached Vicinity Map, Figure 1, and boring locations are presented on Figure 2, Boring Location Map.

The drilling was conducted between November 21 and November 25, 2014. Total depths, annular material volumes, and backfill dates are detailed in Table 1 below. A copy of the boring logs and the approved boring/well permit are included for your reference in Appendix A and B, respectively. Please note the following information concerning our exploration:

1. Cascade Drilling Company performed drilling of the borings using a track-mounted Resonant Sonic drill rig. The borings were drilled using 6-inch outside diameter (OD) sonic drilling stems.
2. After drilling, the test borings were backfilled with bentonite grout using the tremie method to one-foot bgs and patched at surface with concrete and or asphalt to match existing site conditions. The table below gives approximate volumes of backfill used:

Copyright 2015 Kleinfelder

550 West C Street, Suite 1200, San Diego, CA 92101 **p** | 619.831.4600 **f** | 619.232.1039

Table 1
Summary of Exploratory Borings

BORING NO.	TOTAL DEPTH (FT.)	VOLUME OF BENTONITE GROUT BACKFILL (CU.FT.)	DATE OF EXPLORATION	DATE OF BACKFILLING
B-6	45	8.8	11/21/2014	11/21/2014
B-7	39	8.0	11/24/2014	11/24/2014
B-8	45	8.8	11/25/2014	11/25/2014

3. The borings were drilled for in-situ soil sampling, visual soil classification purposes, and environmental testing. Excess soil cuttings were stored in Department of Transportation (DOT) approved 55-gallon drums and characterized prior to offsite disposal according to San Diego County SAM Manual guidelines. Laboratory analytical results are included in Appendix C. Based on the results of the analytical testing, environmental impairment of the soil cuttings was not found.
4. The following analytical methods were used for waste characterization of the soil:
   - Total Petroleum Hydrocarbons by EPA Method 8015B;
   - Volatile Organic Compounds (including BTEX) by EPA Method 8260B;
   - Organo Chlorine Pesticides (OCPS) by EPA Method 8081A;
   - Poly-Chlorinated Biphenyls (PCBs) by EPA Method 8082;
   - Poly-Aromatic Hydrocarbons (PAHs) by EPA Method 8270C; and
   - Title 22 Metals by EPA Method 6010B.
5. No monitoring wells were installed or destroyed as part of our study.

Please contact the undersigned at (619) 831-4600 if you have any questions.

Sincerely,

KLEINFELDER



Kevin Crennan, PE, GE 2511
Senior Engineer

KC:ws

Attachments: Figure 1 – Vicinity Map
Figure 2 - Boring Location Map
Appendix A – Boring Logs
Appendix B – DEH permit
Appendix C – Laboratory Analytical Results

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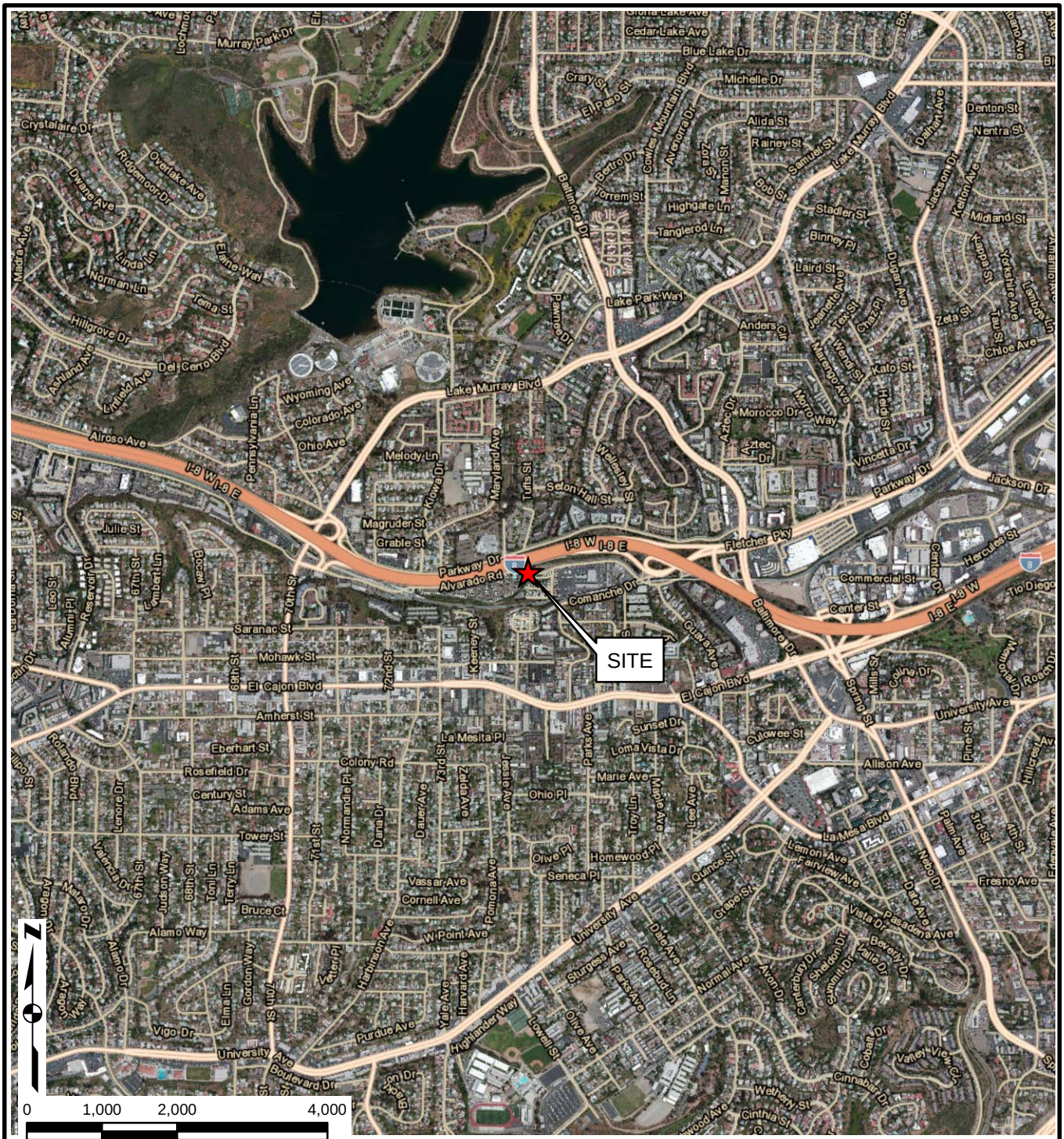
FIGURES



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PROJECT NO.	20151782
DRAWN:	4/30/2015
DRAWN BY:	JP
CHECKED BY:	EK
FILE NAME:	20151782_Site_vic5.mxd

VICINITY MAP

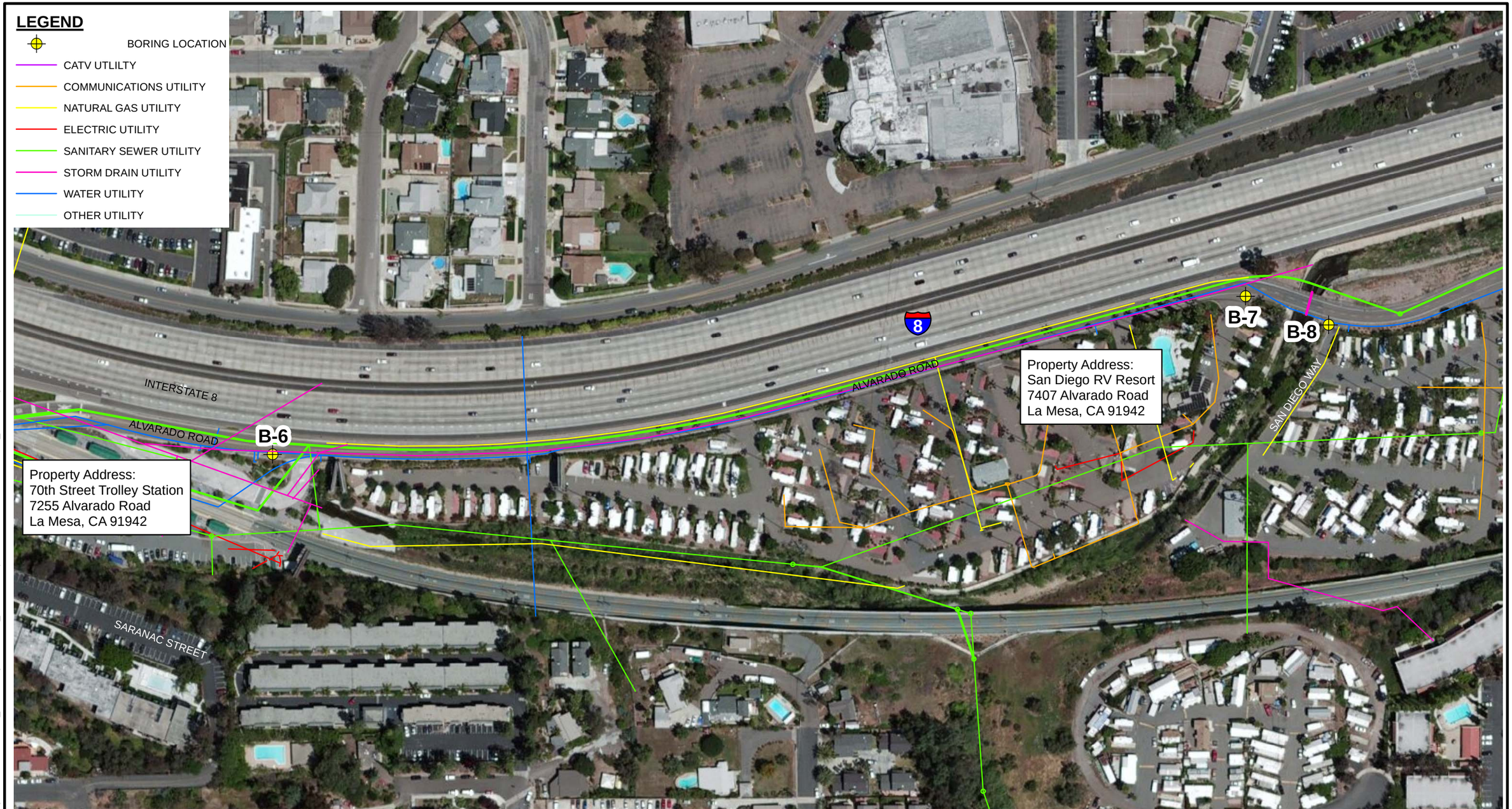
ALVARADO CANYON BORE
SDG&E LINE SL-49-17
LA MESA, CALIFORNIA

FIGURE
1

Date: 4/30/2015 User: jpatay Name: 20151782_Site_vic5 Path: J:_clients\Campos\20151782.001a - 49-17\20151782_Site_vic5.mxd

LEGEND

- BORING LOCATION
- CATV UTLILTY
- COMMUNICATIONS UTILITY
- NATURAL GAS UTILITY
- ELECTRIC UTILITY
- SANITARY SEWER UTILITY
- STORM DRAIN UTILITY
- WATER UTILITY
- OTHER UTILITY



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0 75 150 300
Feet

N

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PROJECT NO.	20151782
DRAWN:	10/27/2014
DRAWN BY:	JP
CHECKED BY:	TG
FILE NAME:	20151782_SiteSDway1.mxd

BORING LOCATION MAP

CAMPOS
SDG&E LINE SL-49-17, ALVARADO AREA
LA MESA, CALIFORNIA

FIGURE
2

Date: 10/27/2014 User: jpatay Name: 20151782_SiteSDway1 Path: J:_clients\Campos\20151782.001a\20151782_SiteSDway1.mxd

APPENDIX A
Boring Logs

PLOTTED: 02/11/2015 03:15 PM BY: ekoprulu

SAMPLE/SAMPLER TYPE GRAPHICS

BULK SAMPLE

CONTINUOUS SAMPLER

GROUND WATER GRAPHICS

WATER LEVEL (level where first observed)

WATER LEVEL (level after exploration completion)

WATER LEVEL (additional levels after exploration)

OBSERVED SEEPAGE

NOTES

- The report and graphics key are an integral part of these logs. All data and interpretations in this log are subject to the explanations and limitations stated in the report.
- Lines separating strata on the logs represent approximate boundaries only. Actual transitions may be gradual or differ from those shown.
- No warranty is provided as to the continuity of soil or rock conditions between individual sample locations.
- Logs represent general soil or rock conditions observed at the point of exploration on the date indicated.
- In general, Unified Soil Classification System designations presented on the logs were based on visual classification in the field and were modified where appropriate based on gradation and index property testing.
- Fine grained soils that plot within the hatched area on the Plasticity Chart, and coarse grained soils with between 5% and 12% passing the No. 200 sieve require dual USCS symbols, ie., GW-GM, GP-GM, GW-GC, GP-GC, GC-GM, SW-SM, SP-SM, SW-SC, SP-SC, SC-SM.
- If sampler is not able to be driven at least 6 inches then 50/X indicates number of blows required to drive the identified sampler X inches with a 140 pound hammer falling 30 inches.

UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2487)

COARSE GRAINED SOILS (More than half of material is larger than the #200 sieve)	**GRAVELS** (More than half of coarse fraction is larger than the #4 sieve)	CLEAN GRAVEL WITH <5% FINES	$Cu \geq 4$ and $1 \leq Cc \leq 3$		**GW**	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
			$Cu < 4$ and/ or $1 > Cc > 3$		**GP**	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
		GRAVELS WITH 5% TO 12% FINES	$Cu \geq 4$ and $1 \leq Cc \leq 3$		**GW-GM**	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES
					GW-GC	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES
			$Cu < 4$ and/ or $1 > Cc > 3$		**GP-GM**	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES
					GP-GC	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES
		GRAVELS WITH > 12% FINES			**GM**	SILTY GRAVELS, GRAVEL-SILT-SAND MIXTURES
					GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
					GC-GM	CLAYEY GRAVELS, GRAVEL-SAND-CLAY-SILT MIXTURES
	SANDS (More than half of coarse fraction is smaller than the #4 sieve)	CLEAN SANDS WITH <5% FINES	$Cu \geq 6$ and $1 \leq Cc \leq 3$		**SW**	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
			$Cu < 6$ and/ or $1 > Cc > 3$		**SP**	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
		SANDS WITH 5% TO 12% FINES	$Cu \geq 6$ and $1 \leq Cc \leq 3$		**SW-SM**	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES
					SW-SC	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES
			$Cu < 6$ and/ or $1 > Cc > 3$		**SP-SM**	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES
					SP-SC	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES
		SANDS WITH > 12% FINES			**SM**	SILTY SANDS, SAND-GRAVEL-SILT MIXTURES
					SC	CLAYEY SANDS, SAND-GRAVEL-CLAY MIXTURES
					SC-SM	CLAYEY SANDS, SAND-SILT-CLAY MIXTURES

FINE GRAINED SOILS (More than half of material is smaller than the #200 sieve)	SILTS AND CLAYS (Liquid Limit less than 50)	**ML**	INORGANIC SILTS AND VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, SILTS WITH SLIGHT PLASTICITY
		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		CL-ML	INORGANIC CLAYS-SILTS OF LOW PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS (Liquid Limit greater than 50)	**MH**	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT
		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
		OH	ORGANIC CLAYS & ORGANIC SILTS OF MEDIUM-TO-HIGH PLASTICITY

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GRAPHICS KEY

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE

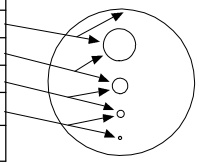
A-1

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [GEO-LEGEND 1 (GRAPHICS KEY) WITH USCS]

PLOTTED: 02/11/2015 03:16 PM BY: ekoprulu

GRAIN SIZE

DESCRIPTION		SIEVE SIZE	GRAIN SIZE	APPROXIMATE SIZE
Boulders		>12 in. (304.8 mm.)	>12 in. (304.8 mm.)	Larger than basketball-sized
Cobbles		3 - 12 in. (76.2 - 304.8 mm.)	3 - 12 in. (76.2 - 304.8 mm.)	Fist-sized to basketball-sized
Gravel	coarse	3/4 -3 in. (19 - 76.2 mm.)	3/4 -3 in. (19 - 76.2 mm.)	Thumb-sized to fist-sized
	fine	#4 - 3/4 in. (#4 - 19 mm.)	0.19 - 0.75 in. (4.8 - 19 mm.)	Pea-sized to thumb-sized
Sand	coarse	#10 - #4	0.079 - 0.19 in. (2 - 4.9 mm.)	Rock salt-sized to pea-sized
	medium	#40 - #10	0.017 - 0.079 in. (0.43 - 2 mm.)	Sugar-sized to rock salt-sized
	fine	#200 - #10	0.0029 - 0.017 in. (0.07 - 0.43 mm.)	Flour-sized to sugar-sized
Fines		Passing #200	<0.0029 in. (<0.07 mm.)	Flour-sized and smaller

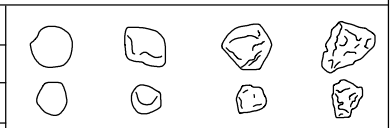


Munsell Color

NAME	ABBR
Red	R
Yellow Red	YR
Yellow	Y
Green Yellow	GY
Green	G
Blue Green	BG
Blue	B
Purple Blue	PB
Purple	P
Red Purple	RP
Black	N

ANGULARITY

DESCRIPTION	CRITERIA
Angular	Particles have sharp edges and relatively plane sides with unpolished surfaces
Subangular	Particles are similar to angular description but have rounded edges
Subrounded	Particles have nearly plane sides but have well-rounded corners and edges
Rounded	Particles have smoothly curved sides and no edges



Particles Present

Amount	Percentage
trace	<5
few	5-10
little	15-25
some	30-45
and	50
mostly	50-100

PLASTICITY

DESCRIPTION	LL	FIELD TEST
Non-plastic	NP	A 1/8-in. (3 mm.) thread cannot be rolled at any water content.
Low (L)	< 30	The thread can barely be rolled and the lump or thread cannot be formed when drier than the plastic limit.
Medium (M)	30 - 50	The thread is easy to roll and not much time is required to reach the plastic limit. The thread cannot be rerolled after reaching the plastic limit. The lump or thread crumbles when drier than the plastic limit
High (H)	> 50	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump or thread can be formed without crumbling when drier than the plastic limit

MOISTURE CONTENT

DESCRIPTION	FIELD TEST
Dry	Absence of moisture, dusty, dry to the touch
Moist	Damp but no visible water
Wet	Visible free water, usually soil is below water table

REACTION WITH HYDROCHLORIC ACID

DESCRIPTION	FIELD TEST
None	No visible reaction
Weak	Some reaction, with bubbles forming slowly
Strong	Violent reaction, with bubbles forming immediately

APPARENT / RELATIVE DENSITY - COARSE-GRAINED SOIL

APPARENT DENSITY	SPT-N_{60} (# blows/ft)	MODIFIED CA SAMPLER (# blows/ft)	CALIFORNIA SAMPLER (# blows/ft)	RELATIVE DENSITY (%)
Very Loose	<4	<4	<5	0 - 15
Loose	4 - 10	5 - 12	5 - 15	15 - 35
Medium Dense	10 - 30	12 - 35	15 - 40	35 - 65
Dense	30 - 50	35 - 60	40 - 70	65 - 85
Very Dense	>50	>60	>70	85 - 100

NOTE: AFTER TERZAGHI AND PECK, 1948

CONSISTENCY - FINE-GRAINED SOIL

CONSISTENCY	UNCONFINED COMPRESSIVE STRENGTH (q_u)(psf)	CRITERIA
Very Soft	< 1000	Thumb will penetrate soil more than 1 in. (25 mm.)
Soft	1000 - 2000	Thumb will penetrate soil about 1 in. (25 mm.)
Firm	2000 - 4000	Thumb will indent soil about 1/4-in. (6 mm.)
Hard	4000 - 8000	Thumb will not indent soil but readily indented with thumbnail
Very Hard	> 8000	Thumbnail will not indent soil

STRUCTURE

DESCRIPTION	CRITERIA
Stratified	Alternating layers of varying material or color with layers at least 1/4-in. thick, note thickness
Laminated	Alternating layers of varying material or color with the layer less than 1/4-in. thick, note thickness
Fissured	Breaks along definite planes of fracture with little resistance to fracturing
Slickensided	Fracture planes appear polished or glossy, sometimes striated
Blocky	Cohesive soil that can be broken down into small angular lumps which resist further breakdown
Lensed	Inclusion of small pockets of different soils, such as small lenses of sand scattered through a mass of clay; note thickness
Homogeneous	Same color and appearance throughout

CEMENTATION

DESCRIPTION	FIELD TEST
Weakly	Crumbles or breaks with handling or slight finger pressure
Moderately	Crumbles or breaks with considerable finger pressure
Strongly	Will not crumble or break with finger pressure

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DATE:	4/13/2015
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SOIL DESCRIPTION KEY

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE

A-2

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [GEO-LEGEND 2 (SOIL DESCRIPTION KEY)]

PLOTTED: 03/20/2015 04:15 PM BY: jco

BORING LOG B-6

Date Begin - End:	11/21/2014	**Drilling Company:**	Cascade Drilling		
Logged By:	E. Koprulu	**Drill Crew:**	Carlos/Daniel		
Hor.-Vert. Datum:	MSL - NAVD88	**Drilling Equipment:**	Spyder	**Hammer Type - Drop:**	N/A lb. N/A - N/A in.
Plunge:	-90 degrees	**Drilling Method:**	Resonant Sonic		
Weather:	Not Available	**Exploration Diameter:**	6 in. O.D.		

FIELD EXPLORATION

Latitude: 32.77236° N
Longitude: -117.04173° W
Approximate Ground Surface Elevation (ft.): 405
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
			6 inches of asphalt concrete												
			24 inches of aggregate base												
			Young Alluvial Deposits (Qya) **Silty SAND with Gravel (SM)**: fine to coarse-grained, non-plastic, olive brown (2.5Y 4/4), moist, up to 4" diameter rounded cobbles												
400	5														PID = 0.0 ppm
			same as above, increase in gravel content, cobbles up to 6" diameter becomes gray brown, increase in fines content												PID = 0.0 ppm
			Stadium Conglomerate (Tst) **Clayey SAND with Gravel (SC)**: fine to coarse-grained, non-plastic, olive (5Y 5/6) to olive brown (2.5Y 4/4) and grayish brown (2.5Y 4/4), wet, up to 3-4" diameter 40% rounded cobbles	1	X						67	25			
395	10														PID = 0.0 ppm
			increase in cobble content (approximately 40-45%), increase in clay content												
390	15			2	X						60	23			PID = 0.0 ppm
			same as above, becomes olive												
			increase in clay content from 17 to 19 feet												PID = 0.0 ppm
385	20														
			same as above												PID = 0.0 ppm
			Lean CLAY with Gravel (CL): medium plasticity, olive brown (2.5Y 4/4), moist, up to 6" diameter 20-30% rounded to subrounded cobbles												
380	25		**Clayey SAND with Gravel (SC)**: fine to coarse-grained, subrounded to rounded gravel, non-plastic, olive (5Y 5/6), moist												
			Sandy CLAY with Gravel and Cobbles (CL): low to medium plasticity, olive brown (2.5Y 4/4) to brown (7.5YR 4/6), moist, up to 4" diameter 20-30% cobbles												PID = 0.0 ppm

LABORATORY RESULTS

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CHECKED BY:	SR
DATE:	4/13/2015
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BORING LOG B-6

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE

A-13

PAGE: 1 of 2

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2014.GLB [KLF_BORING/TEST PIT SOIL LOG]

PLOTTED: 03/20/2015 04:15 PM BY: jco

BORING LOG B-6

Date Begin - End:	11/21/2014	**Drilling Company:**	Cascade Drilling		
Logged By:	E. Koprulu	**Drill Crew:**	Carlos/Daniel		
Hor.-Vert. Datum:	MSL - NAVD88	**Drilling Equipment:**	Spyder	**Hammer Type - Drop:**	N/A lb. N/A - N/A in.
Plunge:	-90 degrees	**Drilling Method:**	Resonant Sonic		
Weather:	Not Available	**Exploration Diameter:**	6 in. O.D.		

FIELD EXPLORATION

Latitude: 32.77236° N
Longitude: -117.04173° W
Approximate Ground Surface Elevation (ft.): 405
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
			Sandy CLAY with Gravel and Cobbles (CL): low to medium plasticity, olive brown (2.5Y 4/4) to brown (7.5YR 4/6), moist, up to 4" diameter 20-30% cobbles												
			Sandy CLAY (CL): fine to coarse-grained, medium plasticity, olive (5Y 5/6) to yellowish brown (10YR 5/4), moist												PID = 0.0 ppm
370	35		**Clayey SAND with Gravel (SC)**: fine to coarse-grained, non-plastic, reddish brown (2.5YR 4/4), moist, up to 6" diameter 30-40% cobbles												PID = 0.0 ppm
365	40		**Clayey SAND with Gravel and Cobbles (SC)**: fine to coarse-grained, non-plastic to low plasticity, brown (7.5YR 4/6) to olive brown (2.5Y 4/4), moist, up to 4" diameter 30-40% cobbles												PID = 0.0 ppm
360	45														
355	50														
350	55														

The exploration was terminated at approximately 45 ft. below ground surface. The exploration was backfilled with bentonite and grout on November 21, 2014.

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 9 ft. below ground surface during drilling.

GENERAL NOTES:
The exploration location and elevation are approximate and were estimated by Kleinfelder.
A Garmin E-trex GPS unit was used to locate the exploration with an accuracy of 10 feet.

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2014.GLB [KLF_BORING/TEST PIT SOIL LOG]

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PROJECT NO.:	20151782
DRAWN BY:	EK
CHECKED BY:	SR
DATE:	4/132015
REVISED:	

BORING LOG B-6

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE
A-14

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PLOTTED: 01/12/2015 11:58 AM BY: EKoprulu

Date Begin - End:	11/24/2014	**Drilling Company:**	Cascade Drilling	**BORING LOG B-7**	
Logged By:	E. Koprulu	**Drill Crew:**	Carlos/Daniel		
Hor.-Vert. Datum:	MSL - NAVD88	**Drilling Equipment:**	Spyder	**Hammer Type - Drop:**	N/A lb. N/A - N/A in.
Plunge:	-90 degrees	**Drilling Method:**	Resonant Sonic /		
Weather:	Not Available	**Exploration Diameter:**	6 in. O.D.		

EXPLORATION INFORMATION

Latitude: 32.77306° N
Longitude: -117.03679° W
Approximate Ground Surface Elevation (ft.): 422
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Number	Sample Type	Recovery (in) (NR=No Recovery)	Recovery (%) (NR=No Recovery)	Box Number	Run Number	Remarks
			9 inches of asphalt concrete							
			2 inches of aggregate base							
420			**Artificial Fill (af)** **Silty SAND with Gravel (SM)**: fine to coarse-grained, subangular gravel, non-plastic, dark brown (7.5YR 3/2), moist							
			Stadium Conglomerate (Tst) **Clayey SAND with Gravel (SC)**: fine to coarse-grained, rounded gravel, non-plastic to low plasticity, olive (5Y 5/6) to olive brown (2.5Y 4/4) and grayish brown (2.5Y 4/2), moist, up to 3" diameter 10% rounded to subrounded cobbles	1						PID = 0.0 ppm
5				2						PID = 0.0 ppm
415				3						PID = 0.0 ppm
	10		non-plastic, increase in cobble content (approximately 20 to 30%) up to 7" in diameter							
			Sandy CLAY (CL): fine to medium-grained, low plasticity, reddish brown (2.5YR 4/4), moist, micaceous	4						
410										PID = 0.0 ppm
	15									
▽ 405			**Clayey SAND with Gravel (SC)**: fine to coarse-grained, olive (5Y 5/6) to olive brown (2.5Y 4/4), moist to wet, up to 3-4" diameter 10% rounded to subrounded cobbles	5						
	20									
400			**Sandy CLAY with Gravel (CL)**: fine to coarse-grained, low to medium plasticity, olive brown (2.5YR 4/4), moist, up to 3" diameter 20% rounded to subrounded cobbles							
			Clayey SAND with Gravel (SC): fine to coarse-grained, non-plastic to low plasticity, olive (5Y 5/6) to olive brown (2.5Y 4/4), moist, up to 7" diameter 30-40% cobbles							PID = 0.0 ppm
	25									
395			**Sandy CLAY with Gravel (CL)**: fine to coarse-grained, medium plasticity, olive brown (2.5Y 4/4), moist to wet, up to 6" diameter 10% rounded to subrounded cobbles	6						

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PROJECT NO.:	20151782
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CHECKED BY:	SR
DATE:	4/13/2015
REVISED:	

BORING LOG B-7

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE
A-15
PAGE: 1 of 2

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [KLF_CONTINUOUS SAMPLING SOIL LOG]

PLOTTED: 01/12/2015 11:58 AM BY: EKoprulu

Date Begin - End:	11/24/2014	**Drilling Company:**	Cascade Drilling	**BORING LOG B-7**	
Logged By:	E. Koprulu	**Drill Crew:**	Carlos/Daniel		
Hor.-Vert. Datum:	MSL - NAVD88	**Drilling Equipment:**	Spyder	**Hammer Type - Drop:**	N/A lb. N/A - N/A in.
Plunge:	-90 degrees	**Drilling Method:**	Resonant Sonic /		
Weather:	Not Available	**Exploration Diameter:**	6 in. O.D.		

EXPLORATION INFORMATION

Latitude: 32.77306° N
Longitude: -117.03679° W
Approximate Ground Surface Elevation (ft.): 422
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Number	Sample Type	Recovery (in) (NR=No Recovery)	Recovery (%) (NR=No Recovery)	Box Number	Run Number	Remarks
390			**Clayey SAND to Sandy CLAY (SC/CL)**: fine to coarse-grained, non-plastic to low plasticity, olive (5Y 5/6) to reddish brown (2.5YR 4/4), moist to wet, up to 5" diameter 30% cobbles	6 *(cont.)*						PID = 0.0 ppm
	35			7						PID = 0.0 ppm
385										
	40		The exploration was terminated at approximately 39 ft. below ground surface. The exploration was backfilled with bentonite and grout on November 24, 2014.							
380										
	45									
375										
	50									
370										
	55									
365										

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 16.5 ft. below ground surface during drilling.

GENERAL NOTES:
The exploration location and elevation are approximate and were estimated by Kleinfelder.
A Garmin E-trex GPS unit was used to locate the exploration with an accuracy of 10 feet.

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [KLF_CONTINUOUS SAMPLING SOIL LOG]

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.:	20151782
DRAWN BY:	EK
CHECKED BY:	SR
DATE:	4/13/2015
REVISED:	

BORING LOG B-7

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE
A-16

KLEINFELDER - 550 West C Street, Suite 1200 | San Diego, CA 92101 | PH: 858.320.2000 | FAX: 858.320.2001 | www.kleinfelder.com

PLOTTED: 01/12/2015 11:58 AM BY: EKoprulu

BORING LOG B-8

Date Begin - End:	11/25/2014	**Drilling Company:**	Cascade Drilling		
Logged By:	E. Koprulu	**Drill Crew:**	Carlos/Daniel		
Hor.-Vert. Datum:	MSL - NAVD88	**Drilling Equipment:**	Spyder	**Hammer Type - Drop:**	N/A lb. N/A - N/A in.
Plunge:	-90 degrees	**Drilling Method:**	Resonant Sonic /		
Weather:	Not Available	**Exploration Diameter:**	6 in. O.D.		

EXPLORATION INFORMATION

Latitude: 32.77296° N
Longitude: -117.03631° W
Approximate Ground Surface Elevation (ft.): 419
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Number	Sample Type	Recovery (in) (NR=No Recovery)	Recovery (%) (NR=No Recovery)	Box Number	Run Number	Remarks
			9 inches of asphalt concrete							
			2 inches of aggregate base							
			Artificial Fill (af) **Clayey SAND (SC)**: fine to coarse-grained, subrounded to rounded gravel, non-plastic to low plasticity, reddish brown (2.5YR 4/4), moist, increase in clay content at 3 feet, micaceous							
415										
	5		**Sandy CLAY (CL)**: fine to coarse-grained, medium plasticity, dark brown (7.5YR 3/2) to black (5YR 2.5/1), moist, up to 3-4" diameter 10% cobbles, organic smell, some rootlets	1						
			Silty SAND (SM): fine to coarse-grained, non-plastic, black (5YR 2.5/1), moist							PID = 0.0 ppm
410			**Young Colluvial Deposits (Qyc)** **Clayey SAND with Gravel (SC)**: fine to coarse-grained, non-plastic, olive (5Y 5/6) to olive brown (2.5Y 4/4) and grayish brown (2.5Y 4/2), moist, up to 6-7" diameter cobbles							
	10			2						
			increase in clay content from 11-12.5 feet, becomes graish brown							PID = 0.0 ppm
			Stadium Conglomerate (Tst) **Clayey SAND (SC)**: fine to coarse-grained, non-plastic, reddish brown (2.5YR 4/4), moist, micaceous	3						
405										
	15									PID = 0.0 ppm
400 ▽										
			Clayey SAND with Gravel (SC): fine to coarse-grained, non-plastic, olive (5Y 5/6) to olive brown (2.5Y 4/4), moist, up to 3-4" diameter 20% cobbles	4						
	20									
395										PID = 0.0 ppm
	25		becomes olive to olive gray							
390				5						

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PROJECT NO.:	20151782
DRAWN BY:	EK
CHECKED BY:	SR
DATE:	4/13/2015
REVISED:	

BORING LOG B-8

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE
A-17

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [KLF_CONTINUOUS SAMPLING SOIL LOG]

KLEINFELDER - 550 West C Street, Suite 1200 | San Diego, CA 92101 | PH: 858.320.2000 | FAX: 858.320.2001 | www.kleinfelder.com

PLOTTED: 01/12/2015 11:58 AM BY: EKoprulu

BORING LOG B-8

Date Begin - End:	11/25/2014	**Drilling Company:**	Cascade Drilling		
Logged By:	E. Koprulu	**Drill Crew:**	Carlos/Daniel		
Hor.-Vert. Datum:	MSL - NAVD88	**Drilling Equipment:**	Spyder	**Hammer Type - Drop:**	N/A lb. N/A - N/A in.
Plunge:	-90 degrees	**Drilling Method:**	Resonant Sonic /		
Weather:	Not Available	**Exploration Diameter:**	6 in. O.D.		

EXPLORATION INFORMATION

Latitude: 32.77296° N
Longitude: -117.03631° W
Approximate Ground Surface Elevation (ft.): 419
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Number	Sample Type	Recovery (in) (NR=No Recovery)	Recovery (%) (NR=No Recovery)	Box Number	Run Number	Remarks
			Clayey SAND with Gravel (SC): fine to coarse-grained, non-plastic, olive (5Y 5/6) to olive brown (2.5Y 4/4), moist, up to 3-4" diameter 20% cobbles	5 *(cont.)*						PID = 0.0 ppm
385	35		**Clayey SAND with Gravel (SC)**: fine to coarse-grained, non-plastic, olive (5Y 5/6), moist, up to 5" diameter 20-25% cobbles							
380	40		**Clayey SAND with Gravel (SC)**: fine to coarse-grained, non-plastic, olive (5Y 5/6), moist, up to 5-6" diameter 20-30% cobbles	6						PID = 0.0 ppm
375	45									
			The exploration was terminated at approximately 45 ft. below ground surface. The exploration was backfilled with bentonite and grout on November 25, 2014.							
370	50									
365	55									
360										

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 19 ft. below ground surface during drilling.

GENERAL NOTES:
The exploration location and elevation are approximate and were estimated by Kleinfelder.
A Garmin E-trex GPS unit was used to locate the exploration with an accuracy of 10 feet.

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.:	20151782
DRAWN BY:	EK
CHECKED BY:	SR
DATE:	4/13/2015
REVISED:	

BORING LOG B-8

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE
A-18

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [KLF_CONTINUOUS SAMPLING SOIL LOG]

APPENDIX B
DEH Permit

PERMIT #LMWP-001424
A.P.N. #469-021-18
EST #NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: SDG&E LINE 49-17 (6, 7, & 8)

SITE ADDRESS: IN CITY RIGHT OF WAY ADJACENT TO ALVARDO RD., AND SAN DIEGO WAY LA MESA CA 91942

PERMIT FOR: **THREE BORINGS**

PERMIT APPROVAL DATE: NOVEMBER 25, 2014

PERMIT EXPIRES ON: MARCH 25, 2015

RESPONSIBLE PARTY: SAN DIEGO GAS & ELECTRIC

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, E- 4. (**http://www.sdcounty.ca.gov/deh/water/sam_manual.html).** In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.**

APPROVED BY: _____ DATE: 11.25.2014
AMELIA CESEÑA

APPENDIX C
Laboratory Analytical Results

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WORK ORDER NUMBER: 14-11-1858

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Kleinfelder, Inc.

Client Project Name: SDGE Line 49-17

Attention: Travis Meier
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Approved for release on 12/04/2014 by:
Richard Villafania
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 14-11-1858

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Work Order Narrative

Work Order: 14-11-1858 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/21/14. They were assigned to Work Order 14-11-1858.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received:	11/21/14
Work Order:	14-11-1858
Preparation:	EPA 3510C
Method:	EPA 8015B (M)
Units:	ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-Water	**14-11-1858-6-E**	**11/21/14 13:20**	**Aqueous**	**GC 48**	**11/24/14**	**11/24/14 23:09**	**141124B14**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	52	1.00	
C7	ND	52	1.00	
C8	ND	52	1.00	
C9-C10	68	52	1.00	
C11-C12	ND	52	1.00	
C13-C14	ND	52	1.00	
C15-C16	ND	52	1.00	
C17-C18	ND	52	1.00	
C19-C20	ND	52	1.00	
C21-C22	ND	52	1.00	
C23-C24	ND	52	1.00	
C25-C28	ND	52	1.00	
C29-C32	ND	52	1.00	
C33-C36	ND	52	1.00	
C37-C40	ND	52	1.00	
C41-C44	ND	52	1.00	
C6-C44 Total	93	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-472-314**	**N/A**	**Aqueous**	**GC 48**	**11/24/14**	**11/24/14 20:59**	**141124B14**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	1.00	
C7	ND	50	1.00	
C8	ND	50	1.00	
C9-C10	ND	50	1.00	
C11-C12	ND	50	1.00	
C13-C14	ND	50	1.00	
C15-C16	ND	50	1.00	
C17-C18	ND	50	1.00	
C19-C20	ND	50	1.00	
C21-C22	ND	50	1.00	
C23-C24	ND	50	1.00	
C25-C28	ND	50	1.00	
C29-C32	ND	50	1.00	
C33-C36	ND	50	1.00	
C37-C40	ND	50	1.00	
C41-C44	ND	50	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	93	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: SDGE Line 49-17			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-3	**14-11-1858-1-A**	**11/21/14 10:55**	**Solid**	**GC 48**	**11/24/14**	**11/25/14 22:52**	**141124B19**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	20	5.0	1.00	
C29-C32	34	5.0	1.00	
C33-C36	27	5.0	1.00	
C37-C40	24	5.0	1.00	
C41-C44	8.9	5.0	1.00	
C6-C44 Total	120	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-8	**14-11-1858-2-A**	**11/21/14 11:50**	**Solid**	**GC 48**	**11/24/14**	**11/25/14 23:08**	**141124B19**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1291**	**N/A**	**Solid**	**GC 48**	**11/24/14**	**11/25/14 18:01**	**141124B19**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received:	11/21/14
Work Order:	14-11-1858
Preparation:	EPA 3050B
Method:	EPA 6010B
Units:	mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-3	**14-11-1858-1-A**	**11/21/14 10:55**	**Solid**	**ICP 7300**	**11/25/14**	**12/01/14 16:44**	**141125L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.758	1.01	
Arsenic	19.4	0.758	1.01	
Barium	125	0.505	1.01	
Beryllium	0.480	0.253	1.01	
Cadmium	ND	0.505	1.01	
Chromium	6.29	0.253	1.01	
Cobalt	5.63	0.253	1.01	
Copper	11.6	0.505	1.01	
Lead	9.07	0.505	1.01	
Molybdenum	0.655	0.253	1.01	
Nickel	4.36	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	53.6	0.253	1.01	
Zinc	44.6	1.01	1.01	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-8	**14-11-1858-2-A**	**11/21/14 11:50**	**Solid**	**ICP 7300**	**11/25/14**	**12/01/14 16:45**	**141125L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.732	0.976	
Arsenic	6.09	0.732	0.976	
Barium	144	0.488	0.976	
Beryllium	ND	0.244	0.976	
Cadmium	ND	0.488	0.976	
Chromium	2.50	0.244	0.976	
Cobalt	3.61	0.244	0.976	
Copper	5.18	0.488	0.976	
Lead	7.13	0.488	0.976	
Molybdenum	ND	0.244	0.976	
Nickel	2.45	0.244	0.976	
Selenium	ND	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	30.1	0.244	0.976	
Zinc	38.6	0.976	0.976	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-19956**	**N/A**	**Solid**	**ICP 7300**	**11/25/14**	**12/01/14 15:53**	**141125L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-Water	**14-11-1858-6-D**	**11/21/14 13:20**	**Aqueous**	**ICP 7300**	**11/24/14**	**12/02/14 16:13**	**141124LA3**

Parameter	Result	RL	DF	Qualifiers
Antimony	0.0246	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	11.3	0.0100	1.00	
Beryllium	0.0364	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	0.558	0.0100	1.00	
Cobalt	0.210	0.0100	1.00	
Copper	0.198	0.0100	1.00	
Lead	0.272	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	0.206	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	2.78	0.0100	1.00	
Zinc	1.61	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-003-14664**	**N/A**	**Aqueous**	**ICP 7300**	**11/24/14**	**11/24/14 18:25**	**141124LA3**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 7470A Total
Method: EPA 7470A
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-Water	**14-11-1858-6-G**	**11/21/14 13:20**	**Aqueous**	**Mercury 04**	**11/28/14**	**11/28/14 15:27**	**141128S05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-008-7213**	**N/A**	**Aqueous**	**Mercury 04**	**11/28/14**	**11/28/14 14:58**	**141128S05**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-3	**14-11-1858-1-A**	**11/21/14 10:55**	**Solid**	**Mercury 05**	**11/26/14**	**11/26/14 15:48**	**141126L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0794	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-8	**14-11-1858-2-A**	**11/21/14 11:50**	**Solid**	**Mercury 05**	**11/26/14**	**11/26/14 15:50**	**141126L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-769**	**N/A**	**Solid**	**Mercury 05**	**11/26/14**	**11/26/14 15:21**	**141126L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-3	**14-11-1858-1-A**	**11/21/14 10:55**	**Solid**	**GC 44**	**11/25/14**	**11/26/14 14:00**	**141125L01**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-8	**14-11-1858-2-A**	**11/21/14 11:50**	**Solid**	**GC 44**	**11/25/14**	**11/26/14 13:03**	**141125L01**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	89	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1915**	**N/A**	**Solid**	**GC 44**	**11/25/14**	**11/26/14 11:23**	**141125L01**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	107	24-168	
2,4,5,6-Tetrachloro-m-Xylene	104	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-Water	**14-11-1858-6-H**	**11/21/14 13:20**	**Aqueous**	**GC 51**	**11/24/14**	**11/25/14 19:09**	**141124L03**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.11	1.00	
Gamma-BHC	ND	0.11	1.00	
Beta-BHC	ND	0.11	1.00	
Heptachlor	ND	0.11	1.00	
Delta-BHC	ND	0.11	1.00	
Aldrin	ND	0.11	1.00	
Heptachlor Epoxide	ND	0.11	1.00	
Endosulfan I	ND	0.11	1.00	
Dieldrin	ND	0.11	1.00	
4,4'-DDE	ND	0.11	1.00	
Endrin	ND	0.11	1.00	
Endrin Aldehyde	ND	0.11	1.00	
4,4'-DDD	ND	0.11	1.00	
Endosulfan II	ND	0.11	1.00	
4,4'-DDT	ND	0.11	1.00	
Endosulfan Sulfate	ND	0.11	1.00	
Methoxychlor	ND	0.11	1.00	
Chlordane	ND	1.1	1.00	
Toxaphene	ND	2.2	1.00	
Endrin Ketone	ND	0.11	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	50-135	
2,4,5,6-Tetrachloro-m-Xylene	79	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-758**	**N/A**	**Aqueous**	**GC 51**	**11/24/14**	**11/25/14 18:11**	**141124L03**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	50-135	
2,4,5,6-Tetrachloro-m-Xylene	93	50-135	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-3	**14-11-1858-1-A**	**11/21/14 10:55**	**Solid**	**GC 58**	**11/25/14**	**11/26/14 16:09**	**141125L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	96	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-8	**14-11-1858-2-A**	**11/21/14 11:50**	**Solid**	**GC 58**	**11/25/14**	**11/26/14 13:27**	**141125L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-2959**	**N/A**	**Solid**	**GC 58**	**11/25/14**	**11/26/14 11:22**	**141125L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-Water	**14-11-1858-6-H**	**11/21/14 13:20**	**Aqueous**	**GC 31**	**11/24/14**	**11/25/14 22:43**	**141124L04**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.1	1.00	
Aroclor-1221	ND	1.1	1.00	
Aroclor-1232	ND	1.1	1.00	
Aroclor-1242	ND	1.1	1.00	
Aroclor-1248	ND	1.1	1.00	
Aroclor-1254	ND	1.1	1.00	
Aroclor-1260	ND	1.1	1.00	
Aroclor-1262	ND	1.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	50-135	
2,4,5,6-Tetrachloro-m-Xylene	72	50-135	

Method Blank	099-12-533-985	N/A	Aqueous	GC 31	11/24/14	11/25/14 22:24	141124L04

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.0	1.00	
Aroclor-1221	ND	1.0	1.00	
Aroclor-1232	ND	1.0	1.00	
Aroclor-1242	ND	1.0	1.00	
Aroclor-1248	ND	1.0	1.00	
Aroclor-1254	ND	1.0	1.00	
Aroclor-1260	ND	1.0	1.00	
Aroclor-1262	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	50-135	
2,4,5,6-Tetrachloro-m-Xylene	80	50-135	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-3	**14-11-1858-1-A**	**11/21/14 10:55**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 22:57**	**141126L12**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	59	22-130	
Nitrobenzene-d5	65	20-145	
p-Terphenyl-d14	70	33-147	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-8	**14-11-1858-2-A**	**11/21/14 11:50**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 23:19**	**141126L12**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	49	22-130	
Nitrobenzene-d5	64	20-145	
p-Terphenyl-d14	61	33-147	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-06-010-2262**	**N/A**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 20:44**	**141126L12**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	58	22-130	
Nitrobenzene-d5	70	20-145	
p-Terphenyl-d14	70	33-147	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-Water	**14-11-1858-6-G**	**11/21/14 13:20**	**Aqueous**	**GC/MS EEE**	**11/22/14**	**11/25/14 13:49**	**141122L05**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.19	1.00	
2-Methylnaphthalene	ND	0.19	1.00	
1-Methylnaphthalene	ND	0.19	1.00	
Acenaphthylene	ND	0.19	1.00	
Acenaphthene	ND	0.19	1.00	
Fluorene	ND	0.19	1.00	
Phenanthrene	ND	0.19	1.00	
Anthracene	ND	0.19	1.00	
Fluoranthene	ND	0.19	1.00	
Pyrene	ND	0.19	1.00	
Benzo (a) Anthracene	ND	0.19	1.00	
Chrysene	ND	0.19	1.00	
Benzo (k) Fluoranthene	ND	0.19	1.00	
Benzo (b) Fluoranthene	ND	0.19	1.00	
Benzo (a) Pyrene	ND	0.19	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.19	1.00	
Dibenz (a,h) Anthracene	ND	0.19	1.00	
Benzo (g,h,i) Perylene	ND	0.19	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	79	28-139	
2-Fluorobiphenyl	62	33-144	
p-Terphenyl-d14	72	23-160	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-06-008-762**	**N/A**	**Aqueous**	**GC/MS EEE**	**11/22/14**	**11/25/14 13:27**	**141122L05**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.20	1.00	
2-Methylnaphthalene	ND	0.20	1.00	
1-Methylnaphthalene	ND	0.20	1.00	
Acenaphthylene	ND	0.20	1.00	
Acenaphthene	ND	0.20	1.00	
Fluorene	ND	0.20	1.00	
Phenanthrene	ND	0.20	1.00	
Anthracene	ND	0.20	1.00	
Fluoranthene	ND	0.20	1.00	
Pyrene	ND	0.20	1.00	
Benzo (a) Anthracene	ND	0.20	1.00	
Chrysene	ND	0.20	1.00	
Benzo (k) Fluoranthene	ND	0.20	1.00	
Benzo (b) Fluoranthene	ND	0.20	1.00	
Benzo (a) Pyrene	ND	0.20	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.20	1.00	
Dibenz (a,h) Anthracene	ND	0.20	1.00	
Benzo (g,h,i) Perylene	ND	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	76	28-139	
2-Fluorobiphenyl	62	33-144	
p-Terphenyl-d14	74	23-160	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-Water	**14-11-1858-6-A**	**11/21/14 13:20**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 21:32**	**141128L003**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: SDGE Line 49-17

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	80-120	
Dibromofluoromethane	95	78-126	
1,2-Dichloroethane-d4	115	75-135	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15772**	**N/A**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 12:00**	**141128L003**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	11/21/14
550 West C Street, Suite 1200	Work Order:	14-11-1858
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: SDGE Line 49-17		Page 4 of 4

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	80-120	
Dibromofluoromethane	92	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-3	**14-11-1858-1-A**	**11/21/14 10:55**	**Solid**	**GC/MS T**	**11/24/14**	**11/25/14 00:04**	**141124L016**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	11/21/14
550 West C Street, Suite 1200	Work Order:	14-11-1858
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: SDGE Line 49-17		Page 2 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	5.9	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	60-132	
Dibromofluoromethane	101	63-141	
1,2-Dichloroethane-d4	105	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-8	**14-11-1858-2-A**	**11/21/14 11:50**	**Solid**	**GC/MS T**	**11/24/14**	**11/25/14 00:31**	**141124L016**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: SDGE Line 49-17			Page 4 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	60-132	
Dibromofluoromethane	100	63-141	
1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9138**	**N/A**	**Solid**	**GC/MS T**	**11/24/14**	**11/24/14 19:31**	**141124L016**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	11/21/14
550 West C Street, Suite 1200	Work Order:	14-11-1858
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: SDGE Line 49-17		Page 6 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	60-132	
Dibromofluoromethane	102	63-141	
1,2-Dichloroethane-d4	104	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: SDGE Line 49-17			Page 1 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1772-4	**Sample**	**Aqueous**	**GC 48**	**11/24/14**	**11/25/14 00:12**	**141124S14**
14-11-1772-4	**Matrix Spike**	**Aqueous**	**GC 48**	**11/24/14**	**11/24/14 22:20**	**141124S14**
14-11-1772-4	**Matrix Spike Duplicate**	**Aqueous**	**GC 48**	**11/24/14**	**11/24/14 22:36**	**141124S14**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	2000	1807	90	1798	90	55-133	0	0-30	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SDGE Line 49-17			Page 2 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1600-1	**Sample**	**Solid**	**GC 48**	**11/24/14**	**11/25/14 23:24**	**141124S19**
14-11-1600-1	**Matrix Spike**	**Solid**	**GC 48**	**11/24/14**	**11/25/14 18:34**	**141124S19**
14-11-1600-1	**Matrix Spike Duplicate**	**Solid**	**GC 48**	**11/24/14**	**11/25/14 18:50**	**141124S19**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	386.5	97	362.6	91	64-130	6	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 3 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1812-1	**Sample**	**Solid**	**ICP 7300**	**11/25/14**	**12/01/14 16:16**	**141125S02**
14-11-1812-1	**Matrix Spike**	**Solid**	**ICP 7300**	**11/25/14**	**12/01/14 16:17**	**141125S02**
14-11-1812-1	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**11/25/14**	**12/01/14 16:18**	**141125S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.269	21	3.163	13	50-115	50	0-20	3,4
Arsenic	19.56	25.00	44.52	100	37.87	73	75-125	16	0-20	3
Barium	185.7	25.00	290.8	4X	155.1	4X	75-125	4X	0-20	Q
Beryllium	0.4535	25.00	25.53	100	21.70	85	75-125	16	0-20	
Cadmium	ND	25.00	23.86	95	20.53	82	75-125	15	0-20	
Chromium	26.41	25.00	48.62	89	41.74	61	75-125	15	0-20	3
Cobalt	9.650	25.00	34.66	100	30.19	82	75-125	14	0-20	
Copper	17.46	25.00	42.84	102	36.05	74	75-125	17	0-20	3
Lead	7.700	25.00	32.27	98	28.29	82	75-125	13	0-20	
Molybdenum	0.5244	25.00	20.54	80	16.68	65	75-125	21	0-20	3,4
Nickel	10.92	25.00	33.96	92	29.43	74	75-125	14	0-20	3
Selenium	ND	25.00	20.41	82	17.45	70	75-125	16	0-20	3
Silver	ND	12.50	12.38	99	10.54	84	75-125	16	0-20	
Thallium	ND	25.00	18.11	72	15.60	62	75-125	15	0-20	3
Vanadium	66.58	25.00	88.64	88	74.75	33	75-125	17	0-20	3
Zinc	40.67	25.00	63.71	92	54.47	55	75-125	16	0-20	3

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 4 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1850-2	**Sample**	**Aqueous**	**ICP 7300**	**11/24/14**	**11/24/14 18:34**	**141124SA3**
14-11-1850-2	**Matrix Spike**	**Aqueous**	**ICP 7300**	**11/24/14**	**11/24/14 18:40**	**141124SA3**
14-11-1850-2	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**11/24/14**	**11/24/14 18:40**	**141124SA3**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	0.5000	0.5776	116	0.5776	116	72-132	0	0-10	
Arsenic	ND	0.5000	0.5785	116	0.5785	116	80-140	0	0-11	
Barium	0.08387	0.5000	0.5248	88	0.5248	88	87-123	0	0-6	
Beryllium	ND	0.5000	0.4901	98	0.4901	98	89-119	0	0-8	
Cadmium	ND	0.5000	0.4808	96	0.4808	96	82-124	0	0-7	
Chromium	0.02585	0.5000	0.4826	91	0.4826	91	86-122	0	0-8	
Cobalt	ND	0.5000	0.4694	94	0.4694	94	83-125	0	0-7	
Copper	0.01407	0.5000	0.5306	103	0.5306	103	78-126	0	0-7	
Lead	ND	0.5000	0.4551	91	0.4551	91	84-120	0	0-7	
Molybdenum	ND	0.5000	0.4776	96	0.4776	96	78-126	0	0-7	
Nickel	ND	0.5000	0.4543	91	0.4543	91	84-120	0	0-7	
Selenium	0.04306	0.5000	0.6385	119	0.6385	119	79-127	0	0-9	
Silver	0.01643	0.2500	0.3185	121	0.3185	121	86-128	0	0-7	
Thallium	ND	0.5000	0.4101	82	0.4101	82	79-121	0	0-8	
Vanadium	ND	0.5000	0.4925	99	0.4925	99	88-118	0	0-7	
Zinc	ND	0.5000	0.5765	115	0.5765	115	89-131	0	0-8	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: SDGE Line 49-17			Page 5 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1932-1	**Sample**	**Aqueous**	**Mercury 04**	**11/28/14**	**11/28/14 15:03**	**141128S05**
14-11-1932-1	**Matrix Spike**	**Aqueous**	**Mercury 04**	**11/28/14**	**11/28/14 15:05**	**141128S05**
14-11-1932-1	**Matrix Spike Duplicate**	**Aqueous**	**Mercury 04**	**11/28/14**	**11/28/14 15:07**	**141128S05**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.009955	100	0.009843	98	57-141	1	0-10	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: SDGE Line 49-17			Page 6 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1812-1	**Sample**	**Solid**	**Mercury 05**	**11/26/14**	**11/26/14 15:26**	**141126S04**
14-11-1812-1	**Matrix Spike**	**Solid**	**Mercury 05**	**11/26/14**	**11/26/14 15:28**	**141126S04**
14-11-1812-1	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**11/26/14**	**11/26/14 15:30**	**141126S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.9091	109	0.9212	110	71-137	1	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: SDGE Line 49-17			Page 7 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-6-8	**Sample**	**Solid**	**GC 44**	**11/25/14**	**11/26/14 13:03**	**141125S01**
B-6-8	**Matrix Spike**	**Solid**	**GC 44**	**11/25/14**	**11/26/14 12:20**	**141125S01**
B-6-8	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**11/25/14**	**11/26/14 12:34**	**141125S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.80	79	21.24	85	50-135	7	0-25	
Alpha-BHC	ND	25.00	21.09	84	22.64	91	50-135	7	0-25	
Beta-BHC	ND	25.00	19.31	77	19.61	78	50-135	2	0-25	
4,4'-DDD	ND	25.00	22.09	88	22.83	91	50-135	3	0-25	
4,4'-DDE	ND	25.00	22.38	90	23.76	95	50-135	6	0-25	
4,4'-DDT	ND	25.00	21.07	84	22.34	89	50-135	6	0-25	
Delta-BHC	ND	25.00	20.82	83	21.66	87	50-135	4	0-25	
Dieldrin	ND	25.00	22.07	88	23.28	93	50-135	5	0-25	
Endosulfan I	ND	25.00	20.84	83	21.74	87	50-135	4	0-25	
Endosulfan II	ND	25.00	20.93	84	22.00	88	50-135	5	0-25	
Endosulfan Sulfate	ND	25.00	19.83	79	21.71	87	50-135	9	0-25	
Endrin	ND	25.00	22.33	89	22.87	91	50-135	2	0-25	
Endrin Aldehyde	ND	25.00	19.20	77	19.77	79	50-135	3	0-25	
Gamma-BHC	ND	25.00	21.21	85	22.36	89	50-135	5	0-25	
Heptachlor	ND	25.00	21.60	86	22.87	91	50-135	6	0-25	
Heptachlor Epoxide	ND	25.00	20.27	81	21.70	87	50-135	7	0-25	
Methoxychlor	ND	25.00	22.12	88	22.75	91	50-135	3	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8082
Project: SDGE Line 49-17			Page 8 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-6-8	**Sample**	**Solid**	**GC 58**	**11/25/14**	**11/26/14 13:27**	**141125S02**
B-6-8	**Matrix Spike**	**Solid**	**GC 58**	**11/25/14**	**11/26/14 11:40**	**141125S02**
B-6-8	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**11/25/14**	**11/26/14 11:58**	**141125S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	94.37	94	88.55	89	50-135	6	0-20	
Aroclor-1260	ND	100.0	92.97	93	91.40	91	50-135	2	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
Project: SDGE Line 49-17			Page 9 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1725-2	**Sample**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 21:06**	**141126S12**
14-11-1725-2	**Matrix Spike**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 20:00**	**141126S12**
14-11-1725-2	**Matrix Spike Duplicate**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 20:22**	**141126S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Naphthalene	ND	0.2000	0.1187	59	0.1365	68	20-150	14	0-33	
2-Methylnaphthalene	ND	0.2000	0.1295	65	0.1444	72	29-137	11	0-31	
1-Methylnaphthalene	ND	0.2000	0.1284	64	0.1384	69	34-136	7	0-29	
Acenaphthylene	ND	0.2000	0.1151	58	0.1290	64	29-131	11	0-32	
Acenaphthene	ND	0.2000	0.1184	59	0.1306	65	29-137	10	0-28	
Fluorene	ND	0.2000	0.1229	61	0.1379	69	36-132	12	0-27	
Phenanthrene	ND	0.2000	0.1195	60	0.1274	64	20-144	6	0-27	
Anthracene	ND	0.2000	0.1251	63	0.1369	68	26-134	9	0-27	
Fluoranthene	ND	0.2000	0.1288	64	0.1381	69	20-151	7	0-26	
Pyrene	ND	0.2000	0.1251	63	0.1386	69	20-150	10	0-32	
Benzo (a) Anthracene	ND	0.2000	0.1238	62	0.1380	69	24-150	11	0-24	
Chrysene	ND	0.2000	0.1221	61	0.1356	68	25-145	10	0-28	
Benzo (k) Fluoranthene	ND	0.2000	0.1213	61	0.1400	70	28-148	14	0-26	
Benzo (b) Fluoranthene	ND	0.2000	0.1297	65	0.1411	71	21-153	8	0-26	
Benzo (a) Pyrene	ND	0.2000	0.1284	64	0.1442	72	29-149	12	0-22	
Indeno (1,2,3-c,d) Pyrene	ND	0.2000	0.1265	63	0.1366	68	20-154	8	0-25	
Dibenz (a,h) Anthracene	ND	0.2000	0.1303	65	0.1422	71	20-132	9	0-26	
Benzo (g,h,i) Perylene	ND	0.2000	0.1332	67	0.1452	73	20-148	9	0-27	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 10 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-2124-3	**Sample**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 12:27**	**141128S006**
14-11-2124-3	**Matrix Spike**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 12:54**	**141128S006**
14-11-2124-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 13:21**	**141128S006**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	42.41	85	46.52	93	74-122	9	0-21	
Carbon Tetrachloride	ND	50.00	46.95	94	52.50	105	60-144	11	0-21	
Chlorobenzene	ND	50.00	45.87	92	49.78	100	73-120	8	0-22	
1,2-Dibromoethane	ND	50.00	50.09	100	52.68	105	80-122	5	0-20	
1,2-Dichlorobenzene	ND	50.00	48.02	96	51.77	104	70-120	8	0-26	
1,2-Dichloroethane	ND	50.00	51.17	102	55.10	110	64-142	7	0-20	
1,1-Dichloroethene	ND	50.00	40.76	82	45.65	91	52-136	11	0-21	
Ethylbenzene	ND	50.00	47.00	94	51.77	104	77-125	10	0-24	
Toluene	ND	50.00	43.93	88	47.71	95	72-126	8	0-23	
Trichloroethene	ND	50.00	44.52	89	48.48	97	74-128	9	0-22	
Vinyl Chloride	ND	50.00	49.16	98	49.69	99	67-133	1	0-20	
p/m-Xylene	ND	100.0	94.52	95	103.8	104	63-129	9	0-25	
o-Xylene	ND	50.00	47.14	94	51.64	103	62-128	9	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	44.81	90	46.54	93	68-134	4	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 11 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1711-1	**Sample**	**Solid**	**GC/MS T**	**11/24/14**	**11/24/14 20:25**	**141124S027**
14-11-1711-1	**Matrix Spike**	**Solid**	**GC/MS T**	**11/24/14**	**11/24/14 20:53**	**141124S027**
14-11-1711-1	**Matrix Spike Duplicate**	**Solid**	**GC/MS T**	**11/24/14**	**11/24/14 21:20**	**141124S027**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	47.55	95	46.76	94	61-127	2	0-20	
Carbon Tetrachloride	ND	50.00	42.87	86	45.21	90	51-135	5	0-29	
Chlorobenzene	ND	50.00	46.67	93	46.84	94	57-123	0	0-20	
1,2-Dibromoethane	ND	50.00	46.60	93	47.05	94	64-124	1	0-20	
1,2-Dichlorobenzene	ND	50.00	44.95	90	44.66	89	35-131	1	0-25	
1,2-Dichloroethane	ND	50.00	46.86	94	45.80	92	80-120	2	0-20	
1,1-Dichloroethene	ND	50.00	44.44	89	45.11	90	47-143	1	0-25	
Ethylbenzene	ND	50.00	49.94	100	49.91	100	57-129	0	0-22	
Toluene	ND	50.00	48.93	98	48.50	97	63-123	1	0-20	
Trichloroethene	ND	50.00	46.65	93	46.43	93	44-158	0	0-20	
Vinyl Chloride	ND	50.00	45.45	91	47.11	94	49-139	4	0-47	
p/m-Xylene	ND	100.0	104.9	105	104.7	105	70-130	0	0-30	
o-Xylene	ND	50.00	53.18	106	52.98	106	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	44.92	90	45.72	91	57-123	2	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - PDS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
14-11-1850-2	**Sample**	**Aqueous**	**ICP 7300**	**11/24/14 00:00**	**11/24/14 18:34**	**141124SA3**
14-11-1850-2	**PDS**	**Aqueous**	**ICP 7300**	**11/24/14 00:00**	**11/24/14 18:42**	**141124SA3**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Antimony	ND	0.5000	0.5784	116	75-125	
Arsenic	ND	0.5000	0.5818	116	75-125	
Barium	0.08387	0.5000	0.5306	89	75-125	
Beryllium	ND	0.5000	0.4886	98	75-125	
Cadmium	ND	0.5000	0.4781	96	75-125	
Chromium	0.02585	0.5000	0.4853	92	75-125	
Cobalt	ND	0.5000	0.4717	94	75-125	
Copper	0.01407	0.5000	0.5323	104	75-125	
Lead	ND	0.5000	0.4614	92	75-125	
Molybdenum	ND	0.5000	0.4852	97	75-125	
Nickel	ND	0.5000	0.4599	92	75-125	
Selenium	0.04306	0.5000	0.6337	118	75-125	
Silver	0.01643	0.2500	0.3235	123	75-125	
Thallium	ND	0.5000	0.4177	84	75-125	
Vanadium	ND	0.5000	0.4912	98	75-125	
Zinc	ND	0.5000	0.5592	112	75-125	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: SDGE Line 49-17			Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-472-314	**LCS**	**Aqueous**	**GC 48**	**11/24/14**	**11/24/14 21:16**	**141124B14**
099-15-472-314	**LCSD**	**Aqueous**	**GC 48**	**11/24/14**	**11/24/14 21:32**	**141124B14**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	2028	101	2011	101	75-117	1	0-13	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SDGE Line 49-17			Page 2 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1291	**LCS**	**Solid**	**GC 48**	**11/24/14**	**11/25/14 18:18**	**141124B19**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	430.9	108	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-19956	**LCS**	**Solid**	**ICP 7300**	**11/25/14**	**12/01/14 15:55**	**141125L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	25.25	101	80-120	73-127	
Arsenic	25.00	24.15	97	80-120	73-127	
Barium	25.00	25.22	101	80-120	73-127	
Beryllium	25.00	23.50	94	80-120	73-127	
Cadmium	25.00	24.45	98	80-120	73-127	
Chromium	25.00	24.43	98	80-120	73-127	
Cobalt	25.00	26.97	108	80-120	73-127	
Copper	25.00	24.40	98	80-120	73-127	
Lead	25.00	26.16	105	80-120	73-127	
Molybdenum	25.00	24.39	98	80-120	73-127	
Nickel	25.00	25.25	101	80-120	73-127	
Selenium	25.00	22.70	91	80-120	73-127	
Silver	12.50	11.77	94	80-120	73-127	
Thallium	25.00	25.07	100	80-120	73-127	
Vanadium	25.00	23.87	95	80-120	73-127	
Zinc	25.00	26.14	105	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 4 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14664	**LCS**	**Aqueous**	**ICP 7300**	**11/24/14**	**11/24/14 18:28**	**141124LA3**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	0.5000	0.4801	96	80-120	73-127	
Arsenic	0.5000	0.4696	94	80-120	73-127	
Barium	0.5000	0.4899	98	80-120	73-127	
Beryllium	0.5000	0.4699	94	80-120	73-127	
Cadmium	0.5000	0.4969	99	80-120	73-127	
Chromium	0.5000	0.4733	95	80-120	73-127	
Cobalt	0.5000	0.5578	112	80-120	73-127	
Copper	0.5000	0.4743	95	80-120	73-127	
Lead	0.5000	0.5327	107	80-120	73-127	
Molybdenum	0.5000	0.4717	94	80-120	73-127	
Nickel	0.5000	0.5122	102	80-120	73-127	
Selenium	0.5000	0.4673	93	80-120	73-127	
Silver	0.2500	0.2380	95	80-120	73-127	
Thallium	0.5000	0.5291	106	80-120	73-127	
Vanadium	0.5000	0.4630	93	80-120	73-127	
Zinc	0.5000	0.4999	100	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: SDGE Line 49-17			Page 5 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-04-008-7213	**LCS**	**Aqueous**	**Mercury 04**	**11/28/14**	**11/28/14 15:00**	**141128S05**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.01000	0.009475	95	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: SDGE Line 49-17			Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-769	**LCS**	**Solid**	**Mercury 05**	**11/26/14**	**11/26/14 15:23**	**141126L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.9130	109	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: SDGE Line 49-17			Page 7 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1915	**LCS**	**Solid**	**GC 44**	**11/25/14**	**11/26/14 11:37**	**141125L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	25.28	101	50-135	36-149	
Alpha-BHC	25.00	25.57	102	50-135	36-149	
Beta-BHC	25.00	24.00	96	50-135	36-149	
4,4'-DDD	25.00	26.35	105	50-135	36-149	
4,4'-DDE	25.00	26.78	107	50-135	36-149	
4,4'-DDT	25.00	25.89	104	50-135	36-149	
Delta-BHC	25.00	25.74	103	50-135	36-149	
Dieldrin	25.00	27.20	109	50-135	36-149	
Endosulfan I	25.00	24.89	100	50-135	36-149	
Endosulfan II	25.00	25.67	103	50-135	36-149	
Endosulfan Sulfate	25.00	25.33	101	50-135	36-149	
Endrin	25.00	25.82	103	50-135	36-149	
Endrin Aldehyde	25.00	24.19	97	50-135	36-149	
Gamma-BHC	25.00	26.51	106	50-135	36-149	
Heptachlor	25.00	26.01	104	50-135	36-149	
Heptachlor Epoxide	25.00	24.40	98	50-135	36-149	
Methoxychlor	25.00	26.64	107	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3510C
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-758	**LCS**	**Aqueous**	**GC 51**	**11/24/14**	**11/25/14 17:00**	**141124L03**
099-12-529-758	**LCSD**	**Aqueous**	**GC 51**	**11/24/14**	**11/25/14 17:14**	**141124L03**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.4944	99	0.4956	99	50-135	36-149	0	0-25	
Gamma-BHC	0.5000	0.5003	100	0.5136	103	50-135	36-149	3	0-25	
Beta-BHC	0.5000	0.4108	82	0.4458	89	50-135	36-149	8	0-25	
Heptachlor	0.5000	0.5084	102	0.4579	92	50-135	36-149	10	0-25	
Delta-BHC	0.5000	0.5688	114	0.4934	99	50-135	36-149	14	0-25	
Aldrin	0.5000	0.4642	93	0.4186	84	50-135	36-149	10	0-25	
Heptachlor Epoxide	0.5000	0.4738	95	0.4706	94	50-135	36-149	1	0-25	
Endosulfan I	0.5000	0.4718	94	0.4752	95	50-135	36-149	1	0-25	
Dieldrin	0.5000	0.4955	99	0.4963	99	50-135	36-149	0	0-25	
4,4'-DDE	0.5000	0.4962	99	0.4905	98	50-135	36-149	1	0-25	
Endrin	0.5000	0.5254	105	0.5207	104	50-135	36-149	1	0-25	
Endrin Aldehyde	0.5000	0.6188	124	0.5010	100	50-135	36-149	21	0-25	
4,4'-DDD	0.5000	0.4929	99	0.4869	97	50-135	36-149	1	0-25	
Endosulfan II	0.5000	0.4834	97	0.4840	97	50-135	36-149	0	0-25	
4,4'-DDT	0.5000	0.5250	105	0.5012	100	50-135	36-149	5	0-25	
Endosulfan Sulfate	0.5000	0.4751	95	0.4776	96	50-135	36-149	1	0-25	
Methoxychlor	0.5000	0.4980	100	0.4936	99	50-135	36-149	1	0-25	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8082
Project: SDGE Line 49-17			Page 9 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-2959	**LCS**	**Solid**	**GC 58**	**11/25/14**	**11/26/14 11:04**	**141125L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	99.46	99	50-135	
Aroclor-1260	100.0	98.74	99	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3510C
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-533-985	**LCS**	**Aqueous**	**GC 31**	**11/24/14**	**11/25/14 21:46**	**141124L04**
099-12-533-985	**LCSD**	**Aqueous**	**GC 31**	**11/24/14**	**11/25/14 22:05**	**141124L04**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	1.898	95	1.982	99	50-135	4	0-25	
Aroclor-1260	2.000	1.908	95	1.931	97	50-135	1	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
Project: SDGE Line 49-17			Page 11 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-06-010-2262	**LCS**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 19:38**	**141126L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Naphthalene	0.2000	0.1305	65	51-129	38-142	
2-Methylnaphthalene	0.2000	0.1407	70	50-127	37-140	
1-Methylnaphthalene	0.2000	0.1357	68	54-132	41-145	
Acenaphthylene	0.2000	0.1262	63	50-123	38-135	
Acenaphthene	0.2000	0.1276	64	53-125	41-137	
Fluorene	0.2000	0.1348	67	55-127	43-139	
Phenanthrene	0.2000	0.1292	65	50-122	38-134	
Anthracene	0.2000	0.1328	66	50-132	36-146	
Fluoranthene	0.2000	0.1358	68	55-127	43-139	
Pyrene	0.2000	0.1356	68	50-134	36-148	
Benzo (a) Anthracene	0.2000	0.1322	66	50-133	36-147	
Chrysene	0.2000	0.1317	66	51-129	38-142	
Benzo (k) Fluoranthene	0.2000	0.1348	67	49-150	32-167	
Benzo (b) Fluoranthene	0.2000	0.1445	72	50-142	35-157	
Benzo (a) Pyrene	0.2000	0.1386	69	50-134	36-148	
Indeno (1,2,3-c,d) Pyrene	0.2000	0.1329	66	50-148	34-164	
Dibenz (a,h) Anthracene	0.2000	0.1331	67	50-133	36-147	
Benzo (g,h,i) Perylene	0.2000	0.1384	69	50-130	37-143	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/21/14
Work Order: 14-11-1858
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Page 12 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-06-008-762	**LCS**	**Aqueous**	**GC/MS EEE**	**11/22/14**	**11/25/14 12:43**	**141122L05**
099-06-008-762	**LCSD**	**Aqueous**	**GC/MS EEE**	**11/22/14**	**11/25/14 13:05**	**141122L05**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Naphthalene	2.000	1.495	75	1.415	71	21-133	2-152	5	0-25	
2-Methylnaphthalene	2.000	1.656	83	1.554	78	21-140	1-160	6	0-25	
1-Methylnaphthalene	2.000	1.566	78	1.482	74	20-140	0-160	5	0-25	
Acenaphthylene	2.000	1.390	70	1.315	66	33-145	14-164	6	0-25	
Acenaphthene	2.000	1.436	72	1.371	69	55-121	44-132	5	0-25	
Fluorene	2.000	1.503	75	1.433	72	59-121	49-131	5	0-25	
Phenanthrene	2.000	1.433	72	1.327	66	54-120	43-131	8	0-25	
Anthracene	2.000	1.469	73	1.361	68	27-133	9-151	8	0-25	
Fluoranthene	2.000	1.507	75	1.408	70	26-137	8-156	7	0-25	
Pyrene	2.000	1.388	69	1.295	65	45-129	31-143	7	0-25	
Benzo (a) Anthracene	2.000	1.416	71	1.314	66	33-143	15-161	7	0-25	
Chrysene	2.000	1.406	70	1.331	67	17-168	0-193	6	0-25	
Benzo (k) Fluoranthene	2.000	1.434	72	1.376	69	24-159	2-182	4	0-25	
Benzo (b) Fluoranthene	2.000	1.450	73	1.370	68	24-159	2-182	6	0-25	
Benzo (a) Pyrene	2.000	1.449	72	1.348	67	17-163	0-187	7	0-25	
Indeno (1,2,3-c,d) Pyrene	2.000	1.437	72	1.332	67	25-175	0-200	8	0-25	
Dibenz (a,h) Anthracene	2.000	1.489	74	1.395	70	25-175	0-200	7	0-25	
Benzo (g,h,i) Perylene	2.000	1.494	75	1.388	69	25-157	3-179	7	0-25	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 13 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15772	**LCS**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 10:44**	**141128L003**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.66	99	80-120	73-127	
Carbon Tetrachloride	50.00	59.29	119	67-139	55-151	
Chlorobenzene	50.00	53.67	107	78-120	71-127	
1,2-Dibromoethane	50.00	54.23	108	80-120	73-127	
1,2-Dichlorobenzene	50.00	53.59	107	63-129	52-140	
1,2-Dichloroethane	50.00	56.78	114	70-130	60-140	
1,1-Dichloroethene	50.00	49.54	99	66-126	56-136	
Ethylbenzene	50.00	55.81	112	80-123	73-130	
Toluene	50.00	50.95	102	80-120	73-127	
Trichloroethene	50.00	52.23	104	80-122	73-129	
Vinyl Chloride	50.00	48.41	97	70-130	60-140	
p/m-Xylene	100.0	110.7	111	75-123	67-131	
o-Xylene	50.00	54.75	109	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	49.74	99	69-129	59-139	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/21/14
550 West C Street, Suite 1200		Work Order:	14-11-1858
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 14 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9138	**LCS**	**Solid**	**GC/MS T**	**11/24/14**	**11/24/14 18:26**	**141124L016**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	51.58	103	78-120	71-127	
Carbon Tetrachloride	50.00	47.10	94	49-139	34-154	
Chlorobenzene	50.00	51.77	104	79-120	72-127	
1,2-Dibromoethane	50.00	53.42	107	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.39	101	75-120	68-128	
1,2-Dichloroethane	50.00	52.34	105	80-120	73-127	
1,1-Dichloroethene	50.00	46.78	94	74-122	66-130	
Ethylbenzene	50.00	53.66	107	76-120	69-127	
Toluene	50.00	52.58	105	77-120	70-127	
Trichloroethene	50.00	51.89	104	80-120	73-127	
Vinyl Chloride	50.00	49.38	99	68-122	59-131	
p/m-Xylene	100.0	112.6	113	75-125	67-133	
o-Xylene	50.00	57.76	116	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	51.03	102	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-11-1858 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3010A Total	771	ICP 7300	1
EPA 6010B	EPA 3050B	771	ICP 7300	1
EPA 7470A	EPA 7470A Total	915	Mercury 04	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B (M)	EPA 3510C	607	GC 48	1
EPA 8015B (M)	EPA 3550B	607	GC 48	1
EPA 8081A	EPA 3545	842	GC 44	1
EPA 8081A	EPA 3510C	842	GC 51	1
EPA 8082	EPA 3545	669	GC 58	1
EPA 8082	EPA 3510C	944	GC 31	1
EPA 8260B	EPA 5030C	849	GC/MS T	2
EPA 8260B	EPA 5030C	959	GC/MS FFF	2
EPA 8270C SIM PAHs	EPA 3545	907	GC/MS EEE	1
EPA 8270C SIM PAHs	EPA 3510C	907	GC/MS EEE	1

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Glossary of Terms and Qualifiers

Work Order: 14-11-1858 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
Other CA office locations: Concord and San Luis Obispo
For courier service / sample drop off information,
contact sales@calscience.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **14-11-1858**

Date 11/21/14

Page 1 of 1

LABORATORY CLIENT: Kleinfelder

ADDRESS: 550 W. C St

CITY: San Diego STATE: CA ZIP: 92101

TEL: 951-536-7138 E-MAIL: tmeier@kleinfelder.com

CLIENT PROJECT NAME / NUMBER: SDGE Line 49-17

P.O. NO.:

PROJECT CONTACT: Travis Meier 951-536-7138

SAMPLER(S): (PRINT) B. Bergeron

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ STANDARD

☐ COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS:
* Hold
** Hold trip blank sample unless VOCs encountered in Soil samples

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH EPA 8015m	BTEX / MTBE ☐ 8260 ☐ 8260 B	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081) A	PCBs (8082)	PAHs ☑ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Asbestos
1	B-6-3	11/21/14	1055	Soil	2	X						X	X	X				X	X	X	X		X
	~~B-6-7 * Hold~~	~~11/21/14~~	~~1140~~	~~1~~	~~1~~	~~X~~																	
2	B-6-8	11/21/14	1150	Soil	1	X						X	X	X				X	X	X	X		
3 *	B-6-13	11/21/14	1200	|	1	X						HOLD											
4 *	B-6-17	↓	1245	|	1	X						HOLD											
5 *	B-6-22		1300	|	1	X						HOLD											
6	B-6-water		1320	water	8	X	X					U		P				U	U	U	P		
7 **	Trip Blank	↓	1355	↓	2		X					HOLD											

~~BB 11/21/14~~

Relinquished by: (Signature) Eustoquio	Received by: (Signature/Affiliation)	Date: 11/22/14	Time: 14:51
Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 11/21/14	Time: 1950
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

11/01/12 Revision

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WORK ORDER #: 14-11-1 2 5 8

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ARCADIS

DATE: 11/21/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.9 °C - 0.2 °C (CF) = 1.7 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 671

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 671

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 862

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: *☑4ozCGJ (-1) ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☑1AGB (3) ☐1AGBna_2 ☐1AGBs

☐500AGB ☑500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB

☐250PB ☑250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** N/A Labeled/Checked by: 862

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 776

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered Scanned by: 776

* 1 of 2

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Subcontractor Analysis Report

Work Order: 14-11-1858 Page 1 of 1

One or more samples in this work order have tests that were subcontracted. The subcontract report(s) follows.

For subcontracted tests, please reference the laboratory information noted below.

1. EMSL - LA Testing - San Leandro,CA
   Asbestos

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EMSL Analytical, Inc
2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577
Phone/Fax: (510) 895-3675 / (510) 895-3680
http://www.EMSL.com sanleandrolab@emsl.com

EMSL Order: 091417420
CustomerID: 32CALS51
CustomerPO: 14-11-1858
ProjectID:

Attn: **Richard Villafania**
Eurofins Calscience, Inc.
7440 Lincoln Way

Garden Grove, CA 92841

Project: **14-11-1858**

Phone: (714) 895-5494
Fax: (714) 894-7501
Received: 11/25/14 10:45 AM
Analysis Date: 12/2/2014
Collected: 11/21/2014

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling). Level B for 0.1% Target Analytical Sensitivity

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
B-6-3 *091417420-0001*		Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

Matthew Batongbacal (1)

Chris Dojlidko, Laboratory Manager
or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less then the limit of detection undergo additional analysis via TEM. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial report from 12/02/2014 13:37:16

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OrderID: 091417420

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№ 0 9 1 4 1 7 4 2 0

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

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TO: EMSL Analytical, Inc.
2235 Polvorosa Ave,Suite 230
San Leandro, CA 94577
P: (510) 895-3675

CHAIN OF CUSTODY RECORD

DATE: 11/24/14

PAGE: 1 OF 1

LABORATORY CLIENT: EUROFINS CALSCIENCE, INC.

ADDRESS: 7440 LINCOLN WAY

CITY: GARDEN GROVE STATE: CA ZIP: 92841-1432

TEL: (714) 895-5494 E-MAIL: RichardVillafania@EurofinsUS.com

CLIENT PROJECT NAME / NUMBER: 14-11-1858

P.O. NO.:

PROJECT CONTACT: Richard Villafania

SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PLM CARB 435 Level B (reporting limit to 0.1%)	CONTAINER TYPE
	B-6-3	11/21/14	10:55	S	1	X			X	4oz jar

Relinquished by: (Signature) ECL	Received by: (Signature/Affiliation) GSO # 526224636	Date: 11/24/14	Time: 1420
Relinquished by: (Signature)	Received by: (Signature/Affiliation) PA	Date: 11/25/14	Time: 10:45
Relinquished by (Signature)	Received by: (Signature/Affiliation)	Date	Time:

06/02/14 Revision

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WORK ORDER NUMBER: 14-11-1959

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Kleinfelder, Inc.

Client Project Name: SDGE Line 49-17

Attention: Travis Meier
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Approved for release on 12/04/2014 by:
Richard Villafania
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 14-11-1959

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Work Order Narrative

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/24/14. They were assigned to Work Order 14-11-1959.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-Water	**14-11-1959-4-E**	**11/24/14 11:20**	**Aqueous**	**GC 48**	**11/25/14**	**11/26/14 17:53**	**141125B04A**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	49	1.00	
C7	ND	49	1.00	
C8	ND	49	1.00	
C9-C10	ND	49	1.00	
C11-C12	ND	49	1.00	
C13-C14	ND	49	1.00	
C15-C16	ND	49	1.00	
C17-C18	ND	49	1.00	
C19-C20	ND	49	1.00	
C21-C22	ND	49	1.00	
C23-C24	ND	49	1.00	
C25-C28	ND	49	1.00	
C29-C32	ND	49	1.00	
C33-C36	ND	49	1.00	
C37-C40	ND	49	1.00	
C41-C44	ND	49	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-472-317**	**N/A**	**Aqueous**	**GC 48**	**11/25/14**	**11/25/14 13:10**	**141125B04A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	1.00	
C7	ND	50	1.00	
C8	ND	50	1.00	
C9-C10	ND	50	1.00	
C11-C12	ND	50	1.00	
C13-C14	ND	50	1.00	
C15-C16	ND	50	1.00	
C17-C18	ND	50	1.00	
C19-C20	ND	50	1.00	
C21-C22	ND	50	1.00	
C23-C24	ND	50	1.00	
C25-C28	ND	50	1.00	
C29-C32	ND	50	1.00	
C33-C36	ND	50	1.00	
C37-C40	ND	50	1.00	
C41-C44	ND	50	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: SDGE Line 49-17			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-5	**14-11-1959-1-A**	**11/24/14 10:45**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 18:54**	**141126B13**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	68	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-15	**14-11-1959-3-A**	**11/24/14 11:10**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 19:12**	**141126B13**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	71	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1296**	**N/A**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 17:25**	**141126B13**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	72	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-5	**14-11-1959-1-A**	**11/24/14 10:45**	**Solid**	**ICP 7300**	**11/28/14**	**12/02/14 20:54**	**141128L25**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	9.39	0.750	1.00	
Barium	43.5	0.500	1.00	
Beryllium	0.753	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	8.03	0.250	1.00	
Cobalt	3.12	0.250	1.00	
Copper	2.01	0.500	1.00	
Lead	7.56	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	2.30	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	36.5	0.250	1.00	
Zinc	12.2	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-15	**14-11-1959-3-A**	**11/24/14 11:10**	**Solid**	**ICP 7300**	**11/28/14**	**12/02/14 20:55**	**141128L25**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.746	0.995	
Arsenic	24.9	0.746	0.995	
Barium	44.1	0.498	0.995	
Beryllium	0.562	0.249	0.995	
Cadmium	ND	0.498	0.995	
Chromium	5.35	0.249	0.995	
Cobalt	5.00	0.249	0.995	
Copper	3.72	0.498	0.995	
Lead	3.23	0.498	0.995	
Molybdenum	ND	0.249	0.995	
Nickel	5.04	0.249	0.995	
Selenium	ND	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	ND	0.746	0.995	
Vanadium	75.9	0.249	0.995	
Zinc	40.3	0.995	0.995	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-19918**	**N/A**	**Solid**	**ICP 7300**	**11/28/14**	**11/28/14 20:17**	**141128L25**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-Water	**14-11-1959-4-D**	**11/24/14 11:20**	**Aqueous**	**ICP 7300**	**11/25/14**	**12/03/14 18:27**	**141125LA5**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	2.14	0.0100	1.00	
Beryllium	0.0213	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	0.207	0.0100	1.00	
Cobalt	0.160	0.0100	1.00	
Copper	0.117	0.0100	1.00	
Lead	0.0825	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	0.105	0.0100	1.00	
Selenium	0.0329	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	1.89	0.0100	1.00	
Zinc	1.10	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-003-14667**	**N/A**	**Aqueous**	**ICP 7300**	**11/25/14**	**11/26/14 12:15**	**141125LA5**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 7470A Total
Method: EPA 7470A
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-Water	**14-11-1959-4-D**	**11/24/14 11:20**	**Aqueous**	**Mercury 04**	**12/01/14**	**12/02/14 13:22**	**141201L07A**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-008-7214**	**N/A**	**Aqueous**	**Mercury 04**	**12/01/14**	**12/02/14 12:25**	**141201L07A**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-5	**14-11-1959-1-A**	**11/24/14 10:45**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 11:29**	**141128S01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0806	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-15	**14-11-1959-3-A**	**11/24/14 11:10**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 11:31**	**141128S01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0820	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-772**	**N/A**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 11:00**	**141128S01**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-5	**14-11-1959-1-A**	**11/24/14 10:45**	**Solid**	**GC 41**	**11/26/14**	**11/28/14 17:37**	**141126L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	121	24-168	
2,4,5,6-Tetrachloro-m-Xylene	94	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-15	**14-11-1959-3-A**	**11/24/14 11:10**	**Solid**	**GC 41**	**11/26/14**	**11/28/14 17:52**	**141126L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	114	24-168	
2,4,5,6-Tetrachloro-m-Xylene	90	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1916**	**N/A**	**Solid**	**GC 44**	**11/26/14**	**11/26/14 14:29**	**141126L03**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	92	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-Water	**14-11-1959-4-H**	**11/24/14 11:20**	**Aqueous**	**GC 41**	**11/26/14**	**11/28/14 12:10**	**141126L09**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.097	1.00	
Gamma-BHC	ND	0.097	1.00	
Beta-BHC	ND	0.097	1.00	
Heptachlor	ND	0.097	1.00	
Delta-BHC	ND	0.097	1.00	
Aldrin	ND	0.097	1.00	
Heptachlor Epoxide	ND	0.097	1.00	
Endosulfan I	ND	0.097	1.00	
Dieldrin	ND	0.097	1.00	
4,4'-DDE	ND	0.097	1.00	
Endrin	ND	0.097	1.00	
Endrin Aldehyde	ND	0.097	1.00	
4,4'-DDD	ND	0.097	1.00	
Endosulfan II	ND	0.097	1.00	
4,4'-DDT	ND	0.097	1.00	
Endosulfan Sulfate	ND	0.097	1.00	
Methoxychlor	ND	0.097	1.00	
Chlordane	ND	0.97	1.00	
Toxaphene	ND	1.9	1.00	
Endrin Ketone	ND	0.097	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	90	50-135	
2,4,5,6-Tetrachloro-m-Xylene	92	50-135	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-759**	**N/A**	**Aqueous**	**GC 41**	**11/26/14**	**11/28/14 11:39**	**141126L09**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	50	50-135	
2,4,5,6-Tetrachloro-m-Xylene	96	50-135	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-5	**14-11-1959-1-A**	**11/24/14 10:45**	**Solid**	**GC 58**	**11/26/14**	**12/01/14 13:34**	**141126L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	92	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-15	**14-11-1959-3-A**	**11/24/14 11:10**	**Solid**	**GC 58**	**11/26/14**	**12/01/14 13:52**	**141126L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	91	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-2960**	**N/A**	**Solid**	**GC 58**	**11/26/14**	**11/26/14 13:45**	**141126L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-Water	**14-11-1959-4-H**	**11/24/14 11:20**	**Aqueous**	**GC 31**	**11/26/14**	**12/01/14 21:24**	**141126L10**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	0.97	1.00	
Aroclor-1221	ND	0.97	1.00	
Aroclor-1232	ND	0.97	1.00	
Aroclor-1242	ND	0.97	1.00	
Aroclor-1248	ND	0.97	1.00	
Aroclor-1254	ND	0.97	1.00	
Aroclor-1260	ND	0.97	1.00	
Aroclor-1262	ND	0.97	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	67	50-135	
2,4,5,6-Tetrachloro-m-Xylene	86	50-135	

Method Blank	099-12-533-986	N/A	Aqueous	GC 31	11/26/14	12/01/14 16:39	141126L10

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.0	1.00	
Aroclor-1221	ND	1.0	1.00	
Aroclor-1232	ND	1.0	1.00	
Aroclor-1242	ND	1.0	1.00	
Aroclor-1248	ND	1.0	1.00	
Aroclor-1254	ND	1.0	1.00	
Aroclor-1260	ND	1.0	1.00	
Aroclor-1262	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	50-135	
2,4,5,6-Tetrachloro-m-Xylene	81	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-5	**14-11-1959-1-A**	**11/24/14 10:45**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/28/14 13:20**	**141126L12**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	56	22-130	
Nitrobenzene-d5	74	20-145	
p-Terphenyl-d14	67	33-147	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-15	**14-11-1959-3-A**	**11/24/14 11:10**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/28/14 16:12**	**141126L12**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	48	22-130	
Nitrobenzene-d5	57	20-145	
p-Terphenyl-d14	54	33-147	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-06-010-2262**	**N/A**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 20:44**	**141126L12**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	58	22-130	
Nitrobenzene-d5	70	20-145	
p-Terphenyl-d14	70	33-147	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-Water	**14-11-1959-4-G**	**11/24/14 11:20**	**Aqueous**	**GC/MS EEE**	**11/25/14**	**11/26/14 19:16**	**141125L09**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.19	1.00	
2-Methylnaphthalene	ND	0.19	1.00	
1-Methylnaphthalene	ND	0.19	1.00	
Acenaphthylene	ND	0.19	1.00	
Acenaphthene	ND	0.19	1.00	
Fluorene	ND	0.19	1.00	
Phenanthrene	ND	0.19	1.00	
Anthracene	ND	0.19	1.00	
Fluoranthene	ND	0.19	1.00	
Pyrene	ND	0.19	1.00	
Benzo (a) Anthracene	ND	0.19	1.00	
Chrysene	ND	0.19	1.00	
Benzo (k) Fluoranthene	ND	0.19	1.00	
Benzo (b) Fluoranthene	ND	0.19	1.00	
Benzo (a) Pyrene	ND	0.19	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.19	1.00	
Dibenz (a,h) Anthracene	ND	0.19	1.00	
Benzo (g,h,i) Perylene	ND	0.19	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	71	28-139	
2-Fluorobiphenyl	59	33-144	
p-Terphenyl-d14	72	23-160	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-06-008-761**	**N/A**	**Aqueous**	**GC/MS AAA**	**11/25/14**	**11/28/14 12:52**	**141125L09**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.20	1.00	
2-Methylnaphthalene	ND	0.20	1.00	
1-Methylnaphthalene	ND	0.20	1.00	
Acenaphthylene	ND	0.20	1.00	
Acenaphthene	ND	0.20	1.00	
Fluorene	ND	0.20	1.00	
Phenanthrene	ND	0.20	1.00	
Anthracene	ND	0.20	1.00	
Fluoranthene	ND	0.20	1.00	
Pyrene	ND	0.20	1.00	
Benzo (a) Anthracene	ND	0.20	1.00	
Chrysene	ND	0.20	1.00	
Benzo (k) Fluoranthene	ND	0.20	1.00	
Benzo (b) Fluoranthene	ND	0.20	1.00	
Benzo (a) Pyrene	ND	0.20	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.20	1.00	
Dibenz (a,h) Anthracene	ND	0.20	1.00	
Benzo (g,h,i) Perylene	ND	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	65	28-139	
2-Fluorobiphenyl	57	33-144	
p-Terphenyl-d14	58	23-160	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-Water	**14-11-1959-4-A**	**11/24/14 11:20**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 21:04**	**141128L003**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	11/24/14
550 West C Street, Suite 1200	Work Order:	14-11-1959
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: SDGE Line 49-17		Page 2 of 4

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	95	78-126	
1,2-Dichloroethane-d4	114	75-135	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-15772**	**N/A**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 12:00**	**141128L003**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: SDGE Line 49-17			Page 4 of 4

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	80-120	
Dibromofluoromethane	92	78-126	
1,2-Dichloroethane-d4	108	75-135	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-5	**14-11-1959-1-A**	**11/24/14 10:45**	**Solid**	**GC/MS UU**	**11/25/14**	**11/26/14 00:04**	**141125L045**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	11/24/14
550 West C Street, Suite 1200	Work Order:	14-11-1959
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: SDGE Line 49-17		Page 2 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	103	63-141	
1,2-Dichloroethane-d4	102	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-15	**14-11-1959-3-A**	**11/24/14 11:10**	**Solid**	**GC/MS UU**	**11/25/14**	**11/26/14 01:44**	**141125L045**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	11/24/14
550 West C Street, Suite 1200	Work Order:	14-11-1959
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: SDGE Line 49-17		Page 4 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	6.2	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	105	63-141	
1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9143**	**N/A**	**Solid**	**GC/MS UU**	**11/25/14**	**11/25/14 23:14**	**141125L045**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	11/24/14
550 West C Street, Suite 1200	Work Order:	14-11-1959
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: SDGE Line 49-17		Page 6 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	60-132	
Dibromofluoromethane	103	63-141	
1,2-Dichloroethane-d4	102	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SDGE Line 49-17			Page 1 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-7-15	**Sample**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 19:12**	**141126S13**
B-7-15	**Matrix Spike**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 18:18**	**141126S13**
B-7-15	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 18:35**	**141126S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	362.2	91	358.2	90	64-130	1	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 2 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1601-1	**Sample**	**Solid**	**ICP 7300**	**11/28/14**	**11/28/14 20:20**	**141128S25**
14-11-1601-1	**Matrix Spike**	**Solid**	**ICP 7300**	**11/28/14**	**11/28/14 20:21**	**141128S25**
14-11-1601-1	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**11/28/14**	**11/28/14 20:22**	**141128S25**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	1.107	25.00	6.278	21	5.977	19	50-115	5	0-20	3
Arsenic	3.214	25.00	26.94	95	26.75	94	75-125	1	0-20	
Barium	306.7	25.00	265.9	4X	223.9	4X	75-125	4X	0-20	Q
Beryllium	0.3423	25.00	26.36	104	27.36	108	75-125	4	0-20	
Cadmium	ND	25.00	24.86	99	25.32	101	75-125	2	0-20	
Chromium	16.00	25.00	39.30	93	39.83	95	75-125	1	0-20	
Cobalt	3.495	25.00	28.78	101	30.14	107	75-125	5	0-20	
Copper	6.220	25.00	29.59	93	31.46	101	75-125	6	0-20	
Lead	7.901	25.00	32.44	98	33.88	104	75-125	4	0-20	
Molybdenum	ND	25.00	19.79	79	20.46	82	75-125	3	0-20	
Nickel	5.338	25.00	30.18	99	31.49	105	75-125	4	0-20	
Selenium	ND	25.00	19.67	79	19.46	78	75-125	1	0-20	
Silver	ND	12.50	12.40	99	12.50	100	75-125	1	0-20	
Thallium	ND	25.00	21.71	87	22.59	90	75-125	4	0-20	
Vanadium	34.15	25.00	51.02	67	51.52	69	75-125	1	0-20	3
Zinc	21.22	25.00	45.51	97	48.59	109	75-125	7	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 3 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1954-1	**Sample**	**Aqueous**	**ICP 7300**	**11/25/14**	**11/26/14 12:25**	**141125SA5**
14-11-1954-1	**Matrix Spike**	**Aqueous**	**ICP 7300**	**11/25/14**	**11/26/14 12:27**	**141125SA5**
14-11-1954-1	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**11/25/14**	**11/26/14 12:28**	**141125SA5**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	0.5000	0.5746	115	0.5674	113	72-132	1	0-10	
Arsenic	ND	0.5000	0.5615	112	0.5662	113	80-140	1	0-11	
Barium	0.2271	0.5000	0.7087	96	0.7065	96	87-123	0	0-6	
Beryllium	ND	0.5000	0.5409	108	0.5432	109	89-119	0	0-8	
Cadmium	ND	0.5000	0.5212	104	0.5226	105	82-124	0	0-7	
Chromium	ND	0.5000	0.4844	97	0.4827	97	86-122	0	0-8	
Cobalt	ND	0.5000	0.5125	102	0.5142	103	83-125	0	0-7	
Copper	0.01277	0.5000	0.5293	103	0.5276	103	78-126	0	0-7	
Lead	ND	0.5000	0.4936	99	0.4984	100	84-120	1	0-7	
Molybdenum	ND	0.5000	0.5114	102	0.5109	102	78-126	0	0-7	
Nickel	ND	0.5000	0.4815	96	0.4819	96	84-120	0	0-7	
Selenium	0.03041	0.5000	0.5937	113	0.5972	113	79-127	1	0-9	
Silver	ND	0.2500	0.2900	116	0.2881	115	86-128	1	0-7	
Thallium	ND	0.5000	0.4550	91	0.4509	90	79-121	1	0-8	
Vanadium	ND	0.5000	0.5164	103	0.5153	103	88-118	0	0-7	
Zinc	0.01798	0.5000	0.6155	119	0.6611	129	89-131	7	0-8	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: SDGE Line 49-17			Page 4 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-2135-2	**Sample**	**Sea Water**	**Mercury 04**	**12/01/14**	**12/02/14 12:30**	**141201S07**
14-11-2135-2	**Matrix Spike**	**Sea Water**	**Mercury 04**	**12/01/14**	**12/02/14 12:32**	**141201S07**
14-11-2135-2	**Matrix Spike Duplicate**	**Sea Water**	**Mercury 04**	**12/01/14**	**12/02/14 12:34**	**141201S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.009288	93	0.009202	92	66-126	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: SDGE Line 49-17			Page 5 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1768-1	**Sample**	**Sediment**	**Mercury 05**	**11/28/14**	**11/28/14 11:04**	**141128S01**
14-11-1768-1	**Matrix Spike**	**Sediment**	**Mercury 05**	**11/28/14**	**11/28/14 11:06**	**141128S01**
14-11-1768-1	**Matrix Spike Duplicate**	**Sediment**	**Mercury 05**	**11/28/14**	**11/28/14 11:08**	**141128S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.08292	0.8350	0.8869	96	0.9090	99	76-136	2	0-16	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: SDGE Line 49-17			Page 6 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1725-2	**Sample**	**Solid**	**GC 44**	**11/26/14**	**11/26/14 14:43**	**141126S03**
14-11-1725-2	**Matrix Spike**	**Solid**	**GC 44**	**11/26/14**	**11/26/14 15:55**	**141126S03**
14-11-1725-2	**Matrix Spike Duplicate**	**Solid**	**GC 44**	**11/26/14**	**11/26/14 17:20**	**141126S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	22.65	91	22.03	88	50-135	3	0-25	
Alpha-BHC	ND	25.00	22.14	89	21.47	86	50-135	3	0-25	
Beta-BHC	ND	25.00	21.53	86	20.58	82	50-135	4	0-25	
4,4'-DDD	ND	25.00	25.10	100	23.27	93	50-135	8	0-25	
4,4'-DDE	ND	25.00	24.77	99	23.73	95	50-135	4	0-25	
4,4'-DDT	ND	25.00	23.36	93	22.48	90	50-135	4	0-25	
Delta-BHC	ND	25.00	22.98	92	21.90	88	50-135	5	0-25	
Dieldrin	ND	25.00	24.32	97	23.28	93	50-135	4	0-25	
Endosulfan I	ND	25.00	22.41	90	21.59	86	50-135	4	0-25	
Endosulfan II	ND	25.00	23.63	95	21.96	88	50-135	7	0-25	
Endosulfan Sulfate	ND	25.00	23.23	93	21.54	86	50-135	8	0-25	
Endrin	ND	25.00	24.90	100	23.20	93	50-135	7	0-25	
Endrin Aldehyde	ND	25.00	21.46	86	19.58	78	50-135	9	0-25	
Gamma-BHC	ND	25.00	23.04	92	22.22	89	50-135	4	0-25	
Heptachlor	ND	25.00	23.25	93	22.80	91	50-135	2	0-25	
Heptachlor Epoxide	ND	25.00	22.19	89	21.37	85	50-135	4	0-25	
Methoxychlor	ND	25.00	24.16	97	22.68	91	50-135	6	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8082
Project: SDGE Line 49-17			Page 7 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-2073-1	**Sample**	**Solid**	**GC 58**	**11/26/14**	**11/26/14 14:03**	**141126S02**
14-11-2073-1	**Matrix Spike**	**Solid**	**GC 58**	**11/26/14**	**11/26/14 16:27**	**141126S02**
14-11-2073-1	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**11/26/14**	**11/26/14 16:45**	**141126S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	86.31	86	97.03	97	50-135	12	0-20	
Aroclor-1260	ND	100.0	80.42	80	93.46	93	50-135	15	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
Project: SDGE Line 49-17			Page 8 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1725-2	**Sample**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 21:06**	**141126S12**
14-11-1725-2	**Matrix Spike**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 20:00**	**141126S12**
14-11-1725-2	**Matrix Spike Duplicate**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 20:22**	**141126S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Naphthalene	ND	0.2000	0.1187	59	0.1365	68	20-150	14	0-33	
2-Methylnaphthalene	ND	0.2000	0.1295	65	0.1444	72	29-137	11	0-31	
1-Methylnaphthalene	ND	0.2000	0.1284	64	0.1384	69	34-136	7	0-29	
Acenaphthylene	ND	0.2000	0.1151	58	0.1290	64	29-131	11	0-32	
Acenaphthene	ND	0.2000	0.1184	59	0.1306	65	29-137	10	0-28	
Fluorene	ND	0.2000	0.1229	61	0.1379	69	36-132	12	0-27	
Phenanthrene	ND	0.2000	0.1195	60	0.1274	64	20-144	6	0-27	
Anthracene	ND	0.2000	0.1251	63	0.1369	68	26-134	9	0-27	
Fluoranthene	ND	0.2000	0.1288	64	0.1381	69	20-151	7	0-26	
Pyrene	ND	0.2000	0.1251	63	0.1386	69	20-150	10	0-32	
Benzo (a) Anthracene	ND	0.2000	0.1238	62	0.1380	69	24-150	11	0-24	
Chrysene	ND	0.2000	0.1221	61	0.1356	68	25-145	10	0-28	
Benzo (k) Fluoranthene	ND	0.2000	0.1213	61	0.1400	70	28-148	14	0-26	
Benzo (b) Fluoranthene	ND	0.2000	0.1297	65	0.1411	71	21-153	8	0-26	
Benzo (a) Pyrene	ND	0.2000	0.1284	64	0.1442	72	29-149	12	0-22	
Indeno (1,2,3-c,d) Pyrene	ND	0.2000	0.1265	63	0.1366	68	20-154	8	0-25	
Dibenz (a,h) Anthracene	ND	0.2000	0.1303	65	0.1422	71	20-132	9	0-26	
Benzo (g,h,i) Perylene	ND	0.2000	0.1332	67	0.1452	73	20-148	9	0-27	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 9 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-2124-3	**Sample**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 12:27**	**141128S006**
14-11-2124-3	**Matrix Spike**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 12:54**	**141128S006**
14-11-2124-3	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 13:21**	**141128S006**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	42.41	85	46.52	93	74-122	9	0-21	
Carbon Tetrachloride	ND	50.00	46.95	94	52.50	105	60-144	11	0-21	
Chlorobenzene	ND	50.00	45.87	92	49.78	100	73-120	8	0-22	
1,2-Dibromoethane	ND	50.00	50.09	100	52.68	105	80-122	5	0-20	
1,2-Dichlorobenzene	ND	50.00	48.02	96	51.77	104	70-120	8	0-26	
1,2-Dichloroethane	ND	50.00	51.17	102	55.10	110	64-142	7	0-20	
1,1-Dichloroethene	ND	50.00	40.76	82	45.65	91	52-136	11	0-21	
Ethylbenzene	ND	50.00	47.00	94	51.77	104	77-125	10	0-24	
Toluene	ND	50.00	43.93	88	47.71	95	72-126	8	0-23	
Trichloroethene	ND	50.00	44.52	89	48.48	97	74-128	9	0-22	
Vinyl Chloride	ND	50.00	49.16	98	49.69	99	67-133	1	0-20	
p/m-Xylene	ND	100.0	94.52	95	103.8	104	63-129	9	0-25	
o-Xylene	ND	50.00	47.14	94	51.64	103	62-128	9	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	44.81	90	46.54	93	68-134	4	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 10 of 10

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-7-5	**Sample**	**Solid**	**GC/MS UU**	**11/25/14**	**11/26/14 00:04**	**141125S033**
B-7-5	**Matrix Spike**	**Solid**	**GC/MS UU**	**11/25/14**	**11/26/14 00:29**	**141125S033**
B-7-5	**Matrix Spike Duplicate**	**Solid**	**GC/MS UU**	**11/25/14**	**11/26/14 00:54**	**141125S033**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	44.14	88	45.88	92	61-127	4	0-20	
Carbon Tetrachloride	ND	50.00	53.90	108	57.88	116	51-135	7	0-29	
Chlorobenzene	ND	50.00	42.77	86	43.76	88	57-123	2	0-20	
1,2-Dibromoethane	ND	50.00	43.27	87	44.56	89	64-124	3	0-20	
1,2-Dichlorobenzene	ND	50.00	41.67	83	43.24	86	35-131	4	0-25	
1,2-Dichloroethane	ND	50.00	45.79	92	47.47	95	80-120	4	0-20	
1,1-Dichloroethene	ND	50.00	44.52	89	46.53	93	47-143	4	0-25	
Ethylbenzene	ND	50.00	44.31	89	45.80	92	57-129	3	0-22	
Toluene	ND	50.00	45.59	91	48.91	98	63-123	7	0-20	
Trichloroethene	ND	50.00	44.31	89	46.72	93	44-158	5	0-20	
Vinyl Chloride	ND	50.00	54.95	110	57.70	115	49-139	5	0-47	
p/m-Xylene	ND	100.0	87.75	88	90.90	91	70-130	4	0-30	
o-Xylene	ND	50.00	44.12	88	45.27	91	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	42.54	85	43.79	88	57-123	3	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.	Date Received: 11/24/14
550 West C Street, Suite 1200	Work Order: 14-11-1959
San Diego, CA 92101-3509	Preparation: EPA 3510C
	Method: EPA 8015B (M)
Project: SDGE Line 49-17	Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-472-317	**LCS**	**Aqueous**	**GC 48**	**11/25/14**	**11/25/14 13:27**	**141125B04A**
099-15-472-317	**LCSD**	**Aqueous**	**GC 48**	**11/25/14**	**11/25/14 13:43**	**141125B04A**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	1809	90	1808	90	75-117	0	0-13	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SDGE Line 49-17			Page 2 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1296	**LCS**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 18:01**	**141126B13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	381.3	95	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-19918	**LCS**	**Solid**	**ICP 7300**	**11/28/14**	**11/28/14 20:19**	**141128L25**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	24.01	96	80-120	73-127	
Arsenic	25.00	25.34	101	80-120	73-127	
Barium	25.00	25.51	102	80-120	73-127	
Beryllium	25.00	24.06	96	80-120	73-127	
Cadmium	25.00	24.73	99	80-120	73-127	
Chromium	25.00	24.83	99	80-120	73-127	
Cobalt	25.00	27.26	109	80-120	73-127	
Copper	25.00	24.31	97	80-120	73-127	
Lead	25.00	26.90	108	80-120	73-127	
Molybdenum	25.00	24.87	99	80-120	73-127	
Nickel	25.00	26.34	105	80-120	73-127	
Selenium	25.00	22.76	91	80-120	73-127	
Silver	12.50	11.99	96	80-120	73-127	
Thallium	25.00	25.05	100	80-120	73-127	
Vanadium	25.00	24.12	96	80-120	73-127	
Zinc	25.00	25.22	101	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 4 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14667	**LCS**	**Aqueous**	**ICP 7300**	**11/25/14**	**11/26/14 17:39**	**141125LA5**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	0.5000	0.4936	99	80-120	73-127	
Arsenic	0.5000	0.4860	97	80-120	73-127	
Barium	0.5000	0.4873	97	80-120	73-127	
Beryllium	0.5000	0.5128	103	80-120	73-127	
Cadmium	0.5000	0.5200	104	80-120	73-127	
Chromium	0.5000	0.5118	102	80-120	73-127	
Cobalt	0.5000	0.5611	112	80-120	73-127	
Copper	0.5000	0.5158	103	80-120	73-127	
Lead	0.5000	0.5255	105	80-120	73-127	
Molybdenum	0.5000	0.5055	101	80-120	73-127	
Nickel	0.5000	0.5316	106	80-120	73-127	
Selenium	0.5000	0.4999	100	80-120	73-127	
Silver	0.2500	0.2292	92	80-120	73-127	
Thallium	0.5000	0.5350	107	80-120	73-127	
Vanadium	0.5000	0.4991	100	80-120	73-127	
Zinc	0.5000	0.5039	101	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: SDGE Line 49-17			Page 5 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-04-008-7214	**LCS**	**Aqueous**	**Mercury 04**	**12/01/14**	**12/02/14 12:27**	**141201L07A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.01000	0.01007	101	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: SDGE Line 49-17			Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-772	**LCS**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 11:02**	**141128S01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.9695	116	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: SDGE Line 49-17			Page 7 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1916	**LCS**	**Solid**	**GC 44**	**11/26/14**	**11/26/14 17:49**	**141126L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	23.89	96	50-135	36-149	
Alpha-BHC	25.00	23.45	94	50-135	36-149	
Beta-BHC	25.00	21.75	87	50-135	36-149	
4,4'-DDD	25.00	26.97	108	50-135	36-149	
4,4'-DDE	25.00	26.10	104	50-135	36-149	
4,4'-DDT	25.00	25.37	101	50-135	36-149	
Delta-BHC	25.00	23.88	96	50-135	36-149	
Dieldrin	25.00	26.43	106	50-135	36-149	
Endosulfan I	25.00	23.48	94	50-135	36-149	
Endosulfan II	25.00	25.27	101	50-135	36-149	
Endosulfan Sulfate	25.00	24.93	100	50-135	36-149	
Endrin	25.00	26.39	106	50-135	36-149	
Endrin Aldehyde	25.00	22.13	89	50-135	36-149	
Gamma-BHC	25.00	24.57	98	50-135	36-149	
Heptachlor	25.00	24.30	97	50-135	36-149	
Heptachlor Epoxide	25.00	23.39	94	50-135	36-149	
Methoxychlor	25.00	25.16	101	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3510C
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-759	**LCS**	**Aqueous**	**GC 41**	**11/26/14**	**11/28/14 11:09**	**141126L09**
099-12-529-759	**LCSD**	**Aqueous**	**GC 41**	**11/26/14**	**11/28/14 11:24**	**141126L09**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.4677	94	0.4282	86	50-135	36-149	9	0-25	
Gamma-BHC	0.5000	0.4658	93	0.4260	85	50-135	36-149	9	0-25	
Beta-BHC	0.5000	0.4749	95	0.4900	98	50-135	36-149	3	0-25	
Heptachlor	0.5000	0.5254	105	0.5138	103	50-135	36-149	2	0-25	
Delta-BHC	0.5000	0.6365	127	0.5881	118	50-135	36-149	8	0-25	
Aldrin	0.5000	0.4907	98	0.4864	97	50-135	36-149	1	0-25	
Heptachlor Epoxide	0.5000	0.4959	99	0.5026	101	50-135	36-149	1	0-25	
Endosulfan I	0.5000	0.5562	111	0.5613	112	50-135	36-149	1	0-25	
Dieldrin	0.5000	0.5174	103	0.5181	104	50-135	36-149	0	0-25	
4,4'-DDE	0.5000	0.4470	89	0.4435	89	50-135	36-149	1	0-25	
Endrin	0.5000	0.5036	101	0.4734	95	50-135	36-149	6	0-25	
Endrin Aldehyde	0.5000	0.6108	122	0.5743	115	50-135	36-149	6	0-25	
4,4'-DDD	0.5000	0.4786	96	0.4760	95	50-135	36-149	1	0-25	
Endosulfan II	0.5000	0.5128	103	0.5133	103	50-135	36-149	0	0-25	
4,4'-DDT	0.5000	0.5600	112	0.5045	101	50-135	36-149	10	0-25	
Endosulfan Sulfate	0.5000	0.5082	102	0.4893	98	50-135	36-149	4	0-25	
Methoxychlor	0.5000	0.4675	93	0.4281	86	50-135	36-149	9	0-25	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8082
Project: SDGE Line 49-17			Page 9 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-2960	**LCS**	**Solid**	**GC 58**	**11/26/14**	**11/26/14 15:15**	**141126L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	105.3	105	50-135	
Aroclor-1260	100.0	106.8	107	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 11/24/14
Work Order: 14-11-1959
Preparation: EPA 3510C
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-533-986	**LCS**	**Aqueous**	**GC 31**	**11/26/14**	**12/01/14 16:01**	**141126L10**
099-12-533-986	**LCSD**	**Aqueous**	**GC 31**	**11/26/14**	**12/01/14 16:20**	**141126L10**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	1.934	97	1.931	97	50-135	0	0-25	
Aroclor-1260	2.000	1.853	93	1.820	91	50-135	2	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
Project: SDGE Line 49-17			Page 11 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-06-010-2262	**LCS**	**Solid**	**GC/MS EEE**	**11/26/14**	**11/26/14 19:38**	**141126L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Naphthalene	0.2000	0.1305	65	51-129	38-142	
2-Methylnaphthalene	0.2000	0.1407	70	50-127	37-140	
1-Methylnaphthalene	0.2000	0.1357	68	54-132	41-145	
Acenaphthylene	0.2000	0.1262	63	50-123	38-135	
Acenaphthene	0.2000	0.1276	64	53-125	41-137	
Fluorene	0.2000	0.1348	67	55-127	43-139	
Phenanthrene	0.2000	0.1292	65	50-122	38-134	
Anthracene	0.2000	0.1328	66	50-132	36-146	
Fluoranthene	0.2000	0.1358	68	55-127	43-139	
Pyrene	0.2000	0.1356	68	50-134	36-148	
Benzo (a) Anthracene	0.2000	0.1322	66	50-133	36-147	
Chrysene	0.2000	0.1317	66	51-129	38-142	
Benzo (k) Fluoranthene	0.2000	0.1348	67	49-150	32-167	
Benzo (b) Fluoranthene	0.2000	0.1445	72	50-142	35-157	
Benzo (a) Pyrene	0.2000	0.1386	69	50-134	36-148	
Indeno (1,2,3-c,d) Pyrene	0.2000	0.1329	66	50-148	34-164	
Dibenz (a,h) Anthracene	0.2000	0.1331	67	50-133	36-147	
Benzo (g,h,i) Perylene	0.2000	0.1384	69	50-130	37-143	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 3510C
		Method:	EPA 8270C SIM PAHs
Project: SDGE Line 49-17			Page 12 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-06-008-761	**LCS**	**Aqueous**	**GC/MS AAA**	**11/25/14**	**11/28/14 11:45**	**141125L09**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Naphthalene	2.000	1.460	73	21-133	2-152	
2-Methylnaphthalene	2.000	1.509	75	21-140	1-160	
1-Methylnaphthalene	2.000	1.502	75	20-140	0-160	
Acenaphthylene	2.000	1.462	73	33-145	14-164	
Acenaphthene	2.000	1.489	74	55-121	44-132	
Fluorene	2.000	1.518	76	59-121	49-131	
Phenanthrene	2.000	1.464	73	54-120	43-131	
Anthracene	2.000	1.475	74	27-133	9-151	
Fluoranthene	2.000	1.579	79	26-137	8-156	
Pyrene	2.000	1.459	73	45-129	31-143	
Benzo (a) Anthracene	2.000	1.483	74	33-143	15-161	
Chrysene	2.000	1.412	71	17-168	0-193	
Benzo (k) Fluoranthene	2.000	1.311	66	24-159	2-182	
Benzo (b) Fluoranthene	2.000	1.627	81	24-159	2-182	
Benzo (a) Pyrene	2.000	1.457	73	17-163	0-187	
Indeno (1,2,3-c,d) Pyrene	2.000	1.737	87	25-175	0-200	
Dibenz (a,h) Anthracene	2.000	1.607	80	25-175	0-200	
Benzo (g,h,i) Perylene	2.000	1.543	77	25-157	3-179	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 13 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-15772	**LCS**	**Aqueous**	**GC/MS FFF**	**11/28/14**	**11/28/14 10:44**	**141128L003**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	49.66	99	80-120	73-127	
Carbon Tetrachloride	50.00	59.29	119	67-139	55-151	
Chlorobenzene	50.00	53.67	107	78-120	71-127	
1,2-Dibromoethane	50.00	54.23	108	80-120	73-127	
1,2-Dichlorobenzene	50.00	53.59	107	63-129	52-140	
1,2-Dichloroethane	50.00	56.78	114	70-130	60-140	
1,1-Dichloroethene	50.00	49.54	99	66-126	56-136	
Ethylbenzene	50.00	55.81	112	80-123	73-130	
Toluene	50.00	50.95	102	80-120	73-127	
Trichloroethene	50.00	52.23	104	80-122	73-129	
Vinyl Chloride	50.00	48.41	97	70-130	60-140	
p/m-Xylene	100.0	110.7	111	75-123	67-131	
o-Xylene	50.00	54.75	109	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	49.74	99	69-129	59-139	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/24/14
550 West C Street, Suite 1200		Work Order:	14-11-1959
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 14 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9143	**LCS**	**Solid**	**GC/MS UU**	**11/25/14**	**11/25/14 21:09**	**141125L045**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	50.23	100	78-120	71-127	
Carbon Tetrachloride	50.00	60.91	122	49-139	34-154	
Chlorobenzene	50.00	49.33	99	79-120	72-127	
1,2-Dibromoethane	50.00	50.66	101	80-120	73-127	
1,2-Dichlorobenzene	50.00	48.51	97	75-120	68-128	
1,2-Dichloroethane	50.00	53.59	107	80-120	73-127	
1,1-Dichloroethene	50.00	47.95	96	74-122	66-130	
Ethylbenzene	50.00	51.11	102	76-120	69-127	
Toluene	50.00	50.41	101	77-120	70-127	
Trichloroethene	50.00	49.46	99	80-120	73-127	
Vinyl Chloride	50.00	59.41	119	68-122	59-131	
p/m-Xylene	100.0	101.4	101	75-125	67-133	
o-Xylene	50.00	50.58	101	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	48.76	98	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-11-1959 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3010A Total	771	ICP 7300	1
EPA 6010B	EPA 3050B	771	ICP 7300	1
EPA 7470A	EPA 7470A Total	915	Mercury 04	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B (M)	EPA 3510C	682	GC 48	1
EPA 8015B (M)	EPA 3550B	500	GC 46	1
EPA 8081A	EPA 3545	842	GC 41	1
EPA 8081A	EPA 3510C	842	GC 41	1
EPA 8082	EPA 3545	944	GC 58	1
EPA 8082	EPA 3510C	669	GC 31	1
EPA 8260B	EPA 5030C	867	GC/MS UU	2
EPA 8260B	EPA 5030C	959	GC/MS FFF	2
EPA 8270C SIM PAHs	EPA 3545	907	GC/MS EEE	1
EPA 8270C SIM PAHs	EPA 3510C	907	GC/MS EEE	1

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Glossary of Terms and Qualifiers

Work Order: 14-11-1959 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
Other CA office locations: Concord and San Luis Obispo
For courier service / sample drop off information,
contact sales@calscience.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **14-11-1959**

Date 11/24/14

Page 1 of

LABORATORY CLIENT: Kleinfelder

ADDRESS: 550 W.C. St

CITY: San Diego STATE: CA ZIP: 92101

TEL: 951-536-7138 E-MAIL: tmeier@kleinfelder.com

CLIENT PROJECT NAME / NUMBER: SDGE Line 49-17

P.O. NO.:

PROJECT CONTACT: Travis Meier

SAMPLER(S): (PRINT) BD

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ STANDARD

☐ COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS:

** Hold unless soil samples are found to have VOCs

* Hold

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH EPA 8015M	BTEX / MTBE ☐ 8260 ☐ 8260B	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082) A	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
1	B-7-5	11/24/14	1045	Soil	1	X						X	X	X				X	X	X	X	
2 *	B-7-10 HOLD	11/24/14	1050		1	X						H	o		LD							
3	B-7-15		1110		1	X						X	X	X				X	X	X	J	
4	B-7-Water		1120	Water	8	X	X					U		P				U	U	U	P	
5 **	Trip Blank 11-24-14		1140		2		X					H	o	LD								

BD 11/24/14

Relinquished by: (Signature) Eric Kepner	Received by: (Signature/Affiliation) ECI	Date: 11/24/14	Time: 3:03pm
Relinquished by: (Signature)	Received by: (Signature/Affiliation) ECI	Date: 11/24/14	Time: 1850
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

11/01/12 Revision

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WORK ORDER #: 14-11-1959

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KLEINFELDER DATE: 11/24/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.8 °C - 0.2 °C (CF) = 1.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 671

CUSTODY SEALS INTACT:

☑ Cooler ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: 671

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present Checked by: 914

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOAh (3) ☐VOA**na**$_2$ ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB (3) ☐1AGB**na**$_2$ ☐1AGB**s**

☐500AGB ☑500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☑250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na**$_2$ ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 141049C Labeled/Checked by: 914

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope Reviewed by: 8/02

Preservative: **h:** HCL **n:** HNO_3 **na**$_2$:$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered Scanned by: 8/02

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WORK ORDER NUMBER: 14-11-2081

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Kleinfelder, Inc.

Client Project Name: SDGE 49-17

Attention: Travis Meier
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Approved for release on 12/04/2014 by:
Richard Villafania
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 14-11-2081

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Work Order Narrative

Work Order: 14-11-2081 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/25/14. They were assigned to Work Order 14-11-2081.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-2	**14-11-2081-1-A**	**11/25/14 10:05**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 21:00**	**141126B13**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	6.6	5.0	1.00	
C25-C28	18	5.0	1.00	
C29-C32	47	5.0	1.00	
C33-C36	43	5.0	1.00	
C37-C40	44	5.0	1.00	
C41-C44	32	5.0	1.00	
C6-C44 Total	200	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	79	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-6	**14-11-2081-2-A**	**11/25/14 10:35**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 20:23**	**141126B13**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	70	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-11	**14-11-2081-3-A**	**11/25/14 10:40**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 20:05**	**141126B13**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	4.9	1.00	
C7	ND	4.9	1.00	
C8	ND	4.9	1.00	
C9-C10	ND	4.9	1.00	
C11-C12	ND	4.9	1.00	
C13-C14	ND	4.9	1.00	
C15-C16	ND	4.9	1.00	
C17-C18	ND	4.9	1.00	
C19-C20	ND	4.9	1.00	
C21-C22	ND	4.9	1.00	
C23-C24	ND	4.9	1.00	
C25-C28	ND	4.9	1.00	
C29-C32	ND	4.9	1.00	
C33-C36	ND	4.9	1.00	
C37-C40	ND	4.9	1.00	
C41-C44	ND	4.9	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	72	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-16	**14-11-2081-4-A**	**11/25/14 10:55**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 19:47**	**141126B13**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	68	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1296**	**N/A**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 17:25**	**141126B13**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	72	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-2	**14-11-2081-1-A**	**11/25/14 10:05**	**Solid**	**ICP 7300**	**11/29/14**	**12/01/14 16:50**	**141129L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.754	1.01	
Arsenic	40.1	0.754	1.01	
Barium	131	0.503	1.01	
Beryllium	0.569	0.251	1.01	
Cadmium	ND	0.503	1.01	
Chromium	5.76	0.251	1.01	
Cobalt	5.63	0.251	1.01	
Copper	20.4	0.503	1.01	
Lead	9.39	0.503	1.01	
Molybdenum	ND	0.251	1.01	
Nickel	5.65	0.251	1.01	
Selenium	ND	0.754	1.01	
Silver	ND	0.251	1.01	
Thallium	ND	0.754	1.01	
Vanadium	84.6	0.251	1.01	
Zinc	57.7	1.01	1.01	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-6	**14-11-2081-2-A**	**11/25/14 10:35**	**Solid**	**ICP 7300**	**11/29/14**	**12/01/14 16:51**	**141129L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	7.23	0.750	1.00	
Barium	65.3	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	6.62	0.250	1.00	
Cobalt	2.36	0.250	1.00	
Copper	4.23	0.500	1.00	
Lead	4.70	0.500	1.00	
Molybdenum	0.416	0.250	1.00	
Nickel	2.20	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	30.7	0.250	1.00	
Zinc	13.3	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-11	**14-11-2081-3-A**	**11/25/14 10:40**	**Solid**	**ICP 7300**	**11/29/14**	**12/01/14 16:57**	**141129L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.735	0.980	
Arsenic	3.49	0.735	0.980	
Barium	21.4	0.490	0.980	
Beryllium	ND	0.245	0.980	
Cadmium	ND	0.490	0.980	
Chromium	1.68	0.245	0.980	
Cobalt	0.922	0.245	0.980	
Copper	0.508	0.490	0.980	
Lead	4.43	0.490	0.980	
Molybdenum	ND	0.245	0.980	
Nickel	0.654	0.245	0.980	
Selenium	ND	0.735	0.980	
Silver	ND	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	19.1	0.245	0.980	
Zinc	5.55	0.980	0.980	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-16	**14-11-2081-4-A**	**11/25/14 10:55**	**Solid**	**ICP 7300**	**11/29/14**	**12/01/14 16:58**	**141129L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.758	1.01	
Arsenic	19.3	0.758	1.01	
Barium	33.7	0.505	1.01	
Beryllium	0.321	0.253	1.01	
Cadmium	ND	0.505	1.01	
Chromium	4.36	0.253	1.01	
Cobalt	3.62	0.253	1.01	
Copper	3.30	0.505	1.01	
Lead	4.60	0.505	1.01	
Molybdenum	ND	0.253	1.01	
Nickel	3.81	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	59.1	0.253	1.01	
Zinc	30.2	1.01	1.01	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-19959**	**N/A**	**Solid**	**ICP 7300**	**11/29/14**	**12/02/14 19:35**	**141129L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-2	**14-11-2081-1-A**	**11/25/14 10:05**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 14:09**	**141128L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-6	**14-11-2081-2-A**	**11/25/14 10:35**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 14:11**	**141128L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-11	**14-11-2081-3-A**	**11/25/14 10:40**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 14:13**	**141128L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-16	**14-11-2081-4-A**	**11/25/14 10:55**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 14:16**	**141128L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0862	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-770**	**N/A**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 12:33**	**141128L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-2	**14-11-2081-1-A**	**11/25/14 10:05**	**Solid**	**GC 51**	**11/28/14**	**11/29/14 12:48**	**141128L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	82	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-6	**14-11-2081-2-A**	**11/25/14 10:35**	**Solid**	**GC 51**	**11/28/14**	**11/29/14 13:02**	**141128L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-11	**14-11-2081-3-A**	**11/25/14 10:40**	**Solid**	**GC 51**	**11/28/14**	**11/29/14 13:17**	**141128L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-16	**14-11-2081-4-A**	**11/25/14 10:55**	**Solid**	**GC 51**	**11/28/14**	**11/29/14 13:31**	**141128L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	76	24-168	
2,4,5,6-Tetrachloro-m-Xylene	80	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-1919**	**N/A**	**Solid**	**GC 51**	**11/28/14**	**11/29/14 10:39**	**141128L05**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	94	24-168	
2,4,5,6-Tetrachloro-m-Xylene	97	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-2	**14-11-2081-1-A**	**11/25/14 10:05**	**Solid**	**GC 31**	**11/28/14**	**12/01/14 20:08**	**141128L06**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-6	**14-11-2081-2-A**	**11/25/14 10:35**	**Solid**	**GC 31**	**11/28/14**	**12/01/14 20:27**	**141128L06**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	73	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-11	**14-11-2081-3-A**	**11/25/14 10:40**	**Solid**	**GC 31**	**11/28/14**	**12/01/14 20:46**	**141128L06**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	66	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-16	**14-11-2081-4-A**	**11/25/14 10:55**	**Solid**	**GC 31**	**11/28/14**	**12/01/14 15:23**	**141128L06**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	79	24-168	
2,4,5,6-Tetrachloro-m-Xylene	74	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-2963**	**N/A**	**Solid**	**GC 31**	**11/28/14**	**12/01/14 14:26**	**141128L06**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	84	24-168	
2,4,5,6-Tetrachloro-m-Xylene	86	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-2	**14-11-2081-1-A**	**11/25/14 10:05**	**Solid**	**GC/MS EEE**	**11/28/14**	**12/01/14 17:59**	**141128L07**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	58	22-130	
Nitrobenzene-d5	51	20-145	
p-Terphenyl-d14	57	33-147	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-6	**14-11-2081-2-A**	**11/25/14 10:35**	**Solid**	**GC/MS EEE**	**11/28/14**	**12/01/14 18:21**	**141128L07**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	41	22-130	
Nitrobenzene-d5	42	20-145	
p-Terphenyl-d14	56	33-147	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-11	**14-11-2081-3-A**	**11/25/14 10:40**	**Solid**	**GC/MS EEE**	**11/28/14**	**12/01/14 18:43**	**141128L07**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	127	22-130	
Nitrobenzene-d5	75	20-145	
p-Terphenyl-d14	49	33-147	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE 49-17

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-16	**14-11-2081-4-A**	**11/25/14 10:55**	**Solid**	**GC/MS EEE**	**11/28/14**	**12/01/14 19:06**	**141128L07**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	53	22-130	
Nitrobenzene-d5	51	20-145	
p-Terphenyl-d14	59	33-147	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-06-010-2264**	**N/A**	**Solid**	**GC/MS EEE**	**11/28/14**	**12/01/14 17:15**	**141128L07**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	44	22-130	
Nitrobenzene-d5	48	20-145	
p-Terphenyl-d14	53	33-147	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-2	**14-11-2081-1-A**	**11/25/14 10:05**	**Solid**	**GC/MS UU**	**11/26/14**	**11/27/14 02:49**	**141126L045**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.2	1.00	
Bromobenzene	ND	5.2	1.00	
Bromochloromethane	ND	5.2	1.00	
Bromodichloromethane	ND	5.2	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	52	1.00	
n-Butylbenzene	ND	5.2	1.00	
sec-Butylbenzene	ND	5.2	1.00	
tert-Butylbenzene	ND	5.2	1.00	
Carbon Disulfide	ND	52	1.00	
Carbon Tetrachloride	ND	5.2	1.00	
Chlorobenzene	ND	5.2	1.00	
Chloroethane	ND	5.2	1.00	
Chloroform	ND	5.2	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.2	1.00	
4-Chlorotoluene	ND	5.2	1.00	
Dibromochloromethane	ND	5.2	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.2	1.00	
Dibromomethane	ND	5.2	1.00	
1,2-Dichlorobenzene	ND	5.2	1.00	
1,3-Dichlorobenzene	ND	5.2	1.00	
1,4-Dichlorobenzene	ND	5.2	1.00	
Dichlorodifluoromethane	ND	5.2	1.00	
1,1-Dichloroethane	ND	5.2	1.00	
1,2-Dichloroethane	ND	5.2	1.00	
1,1-Dichloroethene	ND	5.2	1.00	
c-1,2-Dichloroethene	ND	5.2	1.00	
t-1,2-Dichloroethene	ND	5.2	1.00	
1,2-Dichloropropane	ND	5.2	1.00	
1,3-Dichloropropane	ND	5.2	1.00	
2,2-Dichloropropane	ND	5.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: SDGE 49-17			Page 2 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.2	1.00	
c-1,3-Dichloropropene	ND	5.2	1.00	
t-1,3-Dichloropropene	ND	5.2	1.00	
Ethylbenzene	ND	5.2	1.00	
2-Hexanone	ND	52	1.00	
Isopropylbenzene	ND	5.2	1.00	
p-Isopropyltoluene	ND	5.2	1.00	
Methylene Chloride	ND	52	1.00	
4-Methyl-2-Pentanone	ND	52	1.00	
Naphthalene	ND	52	1.00	
n-Propylbenzene	ND	5.2	1.00	
Styrene	ND	5.2	1.00	
1,1,1,2-Tetrachloroethane	ND	5.2	1.00	
1,1,2,2-Tetrachloroethane	ND	5.2	1.00	
Tetrachloroethene	ND	5.2	1.00	
Toluene	6.8	5.2	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.2	1.00	
1,1,1-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	52	1.00	
Trichloroethene	ND	5.2	1.00	
1,2,3-Trichloropropane	ND	5.2	1.00	
1,2,4-Trimethylbenzene	ND	5.2	1.00	
Trichlorofluoromethane	ND	52	1.00	
1,3,5-Trimethylbenzene	ND	5.2	1.00	
Vinyl Acetate	ND	52	1.00	
Vinyl Chloride	ND	5.2	1.00	
p/m-Xylene	ND	5.2	1.00	
o-Xylene	ND	5.2	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	60-132	
Dibromofluoromethane	104	63-141	
1,2-Dichloroethane-d4	105	62-146	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-6	**14-11-2081-2-A**	**11/25/14 10:35**	**Solid**	**GC/MS UU**	**11/26/14**	**11/27/14 04:28**	**141126L045**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: SDGE 49-17			Page 4 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	60-132	
Dibromofluoromethane	107	63-141	
1,2-Dichloroethane-d4	105	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-11	**14-11-2081-3-A**	**11/25/14 10:40**	**Solid**	**GC/MS UU**	**11/26/14**	**11/27/14 04:53**	**141126L045**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.8	1.00	
Bromobenzene	ND	4.8	1.00	
Bromochloromethane	ND	4.8	1.00	
Bromodichloromethane	ND	4.8	1.00	
Bromoform	ND	4.8	1.00	
Bromomethane	ND	24	1.00	
2-Butanone	ND	48	1.00	
n-Butylbenzene	ND	4.8	1.00	
sec-Butylbenzene	ND	4.8	1.00	
tert-Butylbenzene	ND	4.8	1.00	
Carbon Disulfide	ND	48	1.00	
Carbon Tetrachloride	ND	4.8	1.00	
Chlorobenzene	ND	4.8	1.00	
Chloroethane	ND	4.8	1.00	
Chloroform	ND	4.8	1.00	
Chloromethane	ND	24	1.00	
2-Chlorotoluene	ND	4.8	1.00	
4-Chlorotoluene	ND	4.8	1.00	
Dibromochloromethane	ND	4.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.7	1.00	
1,2-Dibromoethane	ND	4.8	1.00	
Dibromomethane	ND	4.8	1.00	
1,2-Dichlorobenzene	ND	4.8	1.00	
1,3-Dichlorobenzene	ND	4.8	1.00	
1,4-Dichlorobenzene	ND	4.8	1.00	
Dichlorodifluoromethane	ND	4.8	1.00	
1,1-Dichloroethane	ND	4.8	1.00	
1,2-Dichloroethane	ND	4.8	1.00	
1,1-Dichloroethene	ND	4.8	1.00	
c-1,2-Dichloroethene	ND	4.8	1.00	
t-1,2-Dichloroethene	ND	4.8	1.00	
1,2-Dichloropropane	ND	4.8	1.00	
1,3-Dichloropropane	ND	4.8	1.00	
2,2-Dichloropropane	ND	4.8	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	11/25/14
550 West C Street, Suite 1200	Work Order:	14-11-2081
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: SDGE 49-17		Page 6 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.8	1.00	
c-1,3-Dichloropropene	ND	4.8	1.00	
t-1,3-Dichloropropene	ND	4.8	1.00	
Ethylbenzene	ND	4.8	1.00	
2-Hexanone	ND	48	1.00	
Isopropylbenzene	ND	4.8	1.00	
p-Isopropyltoluene	ND	4.8	1.00	
Methylene Chloride	ND	48	1.00	
4-Methyl-2-Pentanone	ND	48	1.00	
Naphthalene	ND	48	1.00	
n-Propylbenzene	ND	4.8	1.00	
Styrene	ND	4.8	1.00	
1,1,1,2-Tetrachloroethane	ND	4.8	1.00	
1,1,2,2-Tetrachloroethane	ND	4.8	1.00	
Tetrachloroethene	ND	4.8	1.00	
Toluene	5.1	4.8	1.00	
1,2,3-Trichlorobenzene	ND	9.7	1.00	
1,2,4-Trichlorobenzene	ND	4.8	1.00	
1,1,1-Trichloroethane	ND	4.8	1.00	
1,1,2-Trichloroethane	ND	4.8	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	48	1.00	
Trichloroethene	ND	4.8	1.00	
1,2,3-Trichloropropane	ND	4.8	1.00	
1,2,4-Trimethylbenzene	ND	4.8	1.00	
Trichlorofluoromethane	ND	48	1.00	
1,3,5-Trimethylbenzene	ND	4.8	1.00	
Vinyl Acetate	ND	48	1.00	
Vinyl Chloride	ND	4.8	1.00	
p/m-Xylene	ND	4.8	1.00	
o-Xylene	ND	4.8	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.8	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	107	63-141	
1,2-Dichloroethane-d4	106	62-146	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-16	**14-11-2081-4-A**	**11/25/14 10:55**	**Solid**	**GC/MS UU**	**11/26/14**	**11/27/14 05:18**	**141126L045**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	24	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	24	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.7	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: SDGE 49-17			Page 8 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.7	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	60-132	
Dibromofluoromethane	107	63-141	
1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 11/25/14
Work Order: 14-11-2081
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9146**	**N/A**	**Solid**	**GC/MS UU**	**11/26/14**	**11/27/14 01:59**	**141126L045**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: SDGE 49-17			Page 10 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	60-132	
Dibromofluoromethane	104	63-141	
1,2-Dichloroethane-d4	102	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SDGE 49-17			Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1959-3	**Sample**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 19:12**	**141126S13**
14-11-1959-3	**Matrix Spike**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 18:18**	**141126S13**
14-11-1959-3	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 18:35**	**141126S13**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	362.2	91	358.2	90	64-130	1	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: SDGE 49-17			Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-2172-1	**Sample**	**Solid**	**ICP 7300**	**11/29/14**	**12/02/14 19:51**	**141129S01**
14-11-2172-1	**Matrix Spike**	**Solid**	**ICP 7300**	**11/29/14**	**12/02/14 19:52**	**141129S01**
14-11-2172-1	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**11/29/14**	**12/02/14 19:54**	**141129S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	11.62	46	15.02	60	50-115	26	0-20	3,4
Arsenic	3.102	25.00	29.80	107	28.76	103	75-125	4	0-20	
Barium	112.7	25.00	146.4	4X	127.9	4X	75-125	4X	0-20	Q
Beryllium	0.3289	25.00	26.60	105	25.67	101	75-125	4	0-20	
Cadmium	ND	25.00	24.34	97	23.45	94	75-125	4	0-20	
Chromium	17.95	25.00	44.01	104	39.75	87	75-125	10	0-20	
Cobalt	5.271	25.00	31.57	105	29.77	98	75-125	6	0-20	
Copper	9.685	25.00	38.44	115	36.03	105	75-125	6	0-20	
Lead	5.984	25.00	32.07	104	30.01	96	75-125	7	0-20	
Molybdenum	0.3110	25.00	24.24	96	23.98	95	75-125	1	0-20	
Nickel	19.81	25.00	50.07	121	45.34	102	75-125	10	0-20	
Selenium	ND	25.00	22.20	89	21.40	86	75-125	4	0-20	
Silver	ND	12.50	14.23	114	13.91	111	75-125	2	0-20	
Thallium	ND	25.00	21.32	85	21.13	85	75-125	1	0-20	
Vanadium	19.28	25.00	50.45	125	45.85	106	75-125	10	0-20	
Zinc	42.46	25.00	74.14	127	65.53	92	75-125	12	0-20	3

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: SDGE 49-17			Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-11-1840-4	**Sample**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 12:38**	**141128S02**
14-11-1840-4	**Matrix Spike**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 12:40**	**141128S02**
14-11-1840-4	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 12:42**	**141128S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.8639	103	0.7935	95	71-137	9	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: SDGE 49-17			Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-8-16	**Sample**	**Solid**	**GC 51**	**11/28/14**	**11/29/14 13:31**	**141128S05**
B-8-16	**Matrix Spike**	**Solid**	**GC 51**	**11/28/14**	**11/29/14 11:08**	**141128S05**
B-8-16	**Matrix Spike Duplicate**	**Solid**	**GC 51**	**11/28/14**	**11/29/14 11:22**	**141128S05**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.56	78	17.62	70	50-135	10	0-25	
Alpha-BHC	ND	25.00	23.08	92	21.12	84	50-135	9	0-25	
Beta-BHC	ND	25.00	19.34	77	18.06	72	50-135	7	0-25	
4,4'-DDD	ND	25.00	21.22	85	18.09	72	50-135	16	0-25	
4,4'-DDE	ND	25.00	21.84	87	18.33	73	50-135	17	0-25	
4,4'-DDT	ND	25.00	21.42	86	18.07	72	50-135	17	0-25	
Delta-BHC	ND	25.00	21.45	86	19.79	79	50-135	8	0-25	
Dieldrin	ND	25.00	20.75	83	18.31	73	50-135	13	0-25	
Endosulfan I	ND	25.00	19.45	78	17.53	70	50-135	10	0-25	
Endosulfan II	ND	25.00	20.55	82	18.59	74	50-135	10	0-25	
Endosulfan Sulfate	ND	25.00	20.45	82	18.42	74	50-135	10	0-25	
Endrin	ND	25.00	22.32	89	19.71	79	50-135	12	0-25	
Endrin Aldehyde	ND	25.00	17.56	70	16.25	65	50-135	8	0-25	
Gamma-BHC	ND	25.00	22.12	88	20.54	82	50-135	7	0-25	
Heptachlor	ND	25.00	22.46	90	19.60	78	50-135	14	0-25	
Heptachlor Epoxide	ND	25.00	18.78	75	16.70	67	50-135	12	0-25	
Methoxychlor	ND	25.00	20.65	83	17.79	71	50-135	15	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8082
Project: SDGE 49-17			Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-8-16	**Sample**	**Solid**	**GC 31**	**11/28/14**	**12/01/14 15:23**	**141128S06**
B-8-16	**Matrix Spike**	**Solid**	**GC 31**	**11/28/14**	**12/01/14 14:45**	**141128S06**
B-8-16	**Matrix Spike Duplicate**	**Solid**	**GC 31**	**11/28/14**	**12/01/14 15:04**	**141128S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	99.75	100	86.03	86	50-135	15	0-20	
Aroclor-1260	ND	100.0	92.39	92	74.80	75	50-135	21	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
Project: SDGE 49-17			Page 6 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-8-16	**Sample**	**Solid**	**GC/MS EEE**	**11/28/14**	**12/01/14 19:06**	**141128S07**
B-8-16	**Matrix Spike**	**Solid**	**GC/MS EEE**	**11/28/14**	**12/01/14 16:31**	**141128S07**
B-8-16	**Matrix Spike Duplicate**	**Solid**	**GC/MS EEE**	**11/28/14**	**12/01/14 16:53**	**141128S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Naphthalene	ND	0.2000	0.1081	54	0.1144	57	20-150	6	0-33	
2-Methylnaphthalene	ND	0.2000	0.1201	60	0.1233	62	29-137	3	0-31	
1-Methylnaphthalene	ND	0.2000	0.1153	58	0.1211	61	34-136	5	0-29	
Acenaphthylene	ND	0.2000	0.1025	51	0.1061	53	29-131	3	0-32	
Acenaphthene	ND	0.2000	0.09856	49	0.1075	54	29-137	9	0-28	
Fluorene	ND	0.2000	0.1043	52	0.1109	55	36-132	6	0-27	
Phenanthrene	ND	0.2000	0.09972	50	0.1053	53	20-144	5	0-27	
Anthracene	ND	0.2000	0.1054	53	0.1091	55	26-134	3	0-27	
Fluoranthene	ND	0.2000	0.1128	56	0.1101	55	20-151	2	0-26	
Pyrene	ND	0.2000	0.1098	55	0.1048	52	20-150	5	0-32	
Benzo (a) Anthracene	ND	0.2000	0.1052	53	0.1076	54	24-150	2	0-24	
Chrysene	ND	0.2000	0.1024	51	0.1048	52	25-145	2	0-28	
Benzo (k) Fluoranthene	ND	0.2000	0.1046	52	0.1081	54	28-148	3	0-26	
Benzo (b) Fluoranthene	ND	0.2000	0.1076	54	0.1074	54	21-153	0	0-26	
Benzo (a) Pyrene	ND	0.2000	0.1126	56	0.1125	56	29-149	0	0-22	
Indeno (1,2,3-c,d) Pyrene	ND	0.2000	0.1071	54	0.1088	54	20-154	2	0-25	
Dibenz (a,h) Anthracene	ND	0.2000	0.1156	58	0.1116	56	20-132	3	0-26	
Benzo (g,h,i) Perylene	ND	0.2000	0.1139	57	0.1124	56	20-148	1	0-27	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE 49-17			Page 7 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-8-2	**Sample**	**Solid**	**GC/MS UU**	**11/26/14**	**11/27/14 02:49**	**141126S029**
B-8-2	**Matrix Spike**	**Solid**	**GC/MS UU**	**11/26/14**	**11/27/14 03:13**	**141126S029**
B-8-2	**Matrix Spike Duplicate**	**Solid**	**GC/MS UU**	**11/26/14**	**11/27/14 03:38**	**141126S029**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	42.28	85	42.57	85	61-127	1	0-20	
Carbon Tetrachloride	ND	50.00	51.82	104	55.35	111	51-135	7	0-29	
Chlorobenzene	ND	50.00	37.39	75	37.81	76	57-123	1	0-20	
1,2-Dibromoethane	ND	50.00	39.20	78	39.93	80	64-124	2	0-20	
1,2-Dichlorobenzene	ND	50.00	30.19	60	29.51	59	35-131	2	0-25	
1,2-Dichloroethane	ND	50.00	43.54	87	44.32	89	80-120	2	0-20	
1,1-Dichloroethene	ND	50.00	43.21	86	44.14	88	47-143	2	0-25	
Ethylbenzene	ND	50.00	38.35	77	39.26	79	57-129	2	0-22	
Toluene	6.806	50.00	45.89	78	46.92	80	63-123	2	0-20	
Trichloroethene	ND	50.00	44.52	89	45.29	91	44-158	2	0-20	
Vinyl Chloride	ND	50.00	53.64	107	55.50	111	49-139	3	0-47	
p/m-Xylene	ND	100.0	74.59	75	75.88	76	70-130	2	0-30	
o-Xylene	ND	50.00	37.46	75	37.69	75	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	39.43	79	40.92	82	57-123	4	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SDGE 49-17			Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1296	**LCS**	**Solid**	**GC 46**	**11/26/14**	**11/26/14 18:01**	**141126B13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	381.3	95	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: SDGE 49-17			Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-19959	**LCS**	**Solid**	**ICP 7300**	**11/29/14**	**12/02/14 19:37**	**141129L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	27.38	110	80-120	73-127	
Arsenic	25.00	25.28	101	80-120	73-127	
Barium	25.00	25.78	103	80-120	73-127	
Beryllium	25.00	25.00	100	80-120	73-127	
Cadmium	25.00	25.43	102	80-120	73-127	
Chromium	25.00	25.50	102	80-120	73-127	
Cobalt	25.00	27.29	109	80-120	73-127	
Copper	25.00	25.33	101	80-120	73-127	
Lead	25.00	26.51	106	80-120	73-127	
Molybdenum	25.00	24.93	100	80-120	73-127	
Nickel	25.00	26.20	105	80-120	73-127	
Selenium	25.00	23.59	94	80-120	73-127	
Silver	12.50	13.79	110	80-120	73-127	
Thallium	25.00	25.46	102	80-120	73-127	
Vanadium	25.00	24.66	99	80-120	73-127	
Zinc	25.00	27.05	108	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: SDGE 49-17			Page 3 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-770	**LCS**	**Solid**	**Mercury 05**	**11/28/14**	**11/28/14 12:35**	**141128L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.9545	114	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: SDGE 49-17			Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-1919	**LCS**	**Solid**	**GC 51**	**11/28/14**	**11/29/14 10:54**	**141128L05**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	24.05	96	50-135	36-149	
Alpha-BHC	25.00	27.64	111	50-135	36-149	
Beta-BHC	25.00	23.28	93	50-135	36-149	
4,4'-DDD	25.00	25.24	101	50-135	36-149	
4,4'-DDE	25.00	26.07	104	50-135	36-149	
4,4'-DDT	25.00	25.75	103	50-135	36-149	
Delta-BHC	25.00	25.10	100	50-135	36-149	
Dieldrin	25.00	25.77	103	50-135	36-149	
Endosulfan I	25.00	24.25	97	50-135	36-149	
Endosulfan II	25.00	24.84	99	50-135	36-149	
Endosulfan Sulfate	25.00	24.89	100	50-135	36-149	
Endrin	25.00	26.89	108	50-135	36-149	
Endrin Aldehyde	25.00	21.44	86	50-135	36-149	
Gamma-BHC	25.00	27.04	108	50-135	36-149	
Heptachlor	25.00	26.43	106	50-135	36-149	
Heptachlor Epoxide	25.00	22.29	89	50-135	36-149	
Methoxychlor	25.00	25.41	102	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8082
Project: SDGE 49-17			Page 5 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-2963	**LCS**	**Solid**	**GC 31**	**11/28/14**	**12/01/14 14:07**	**141128L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	87.82	88	50-135	
Aroclor-1260	100.0	96.70	97	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
Project: SDGE 49-17			Page 6 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-06-010-2264	**LCS**	**Solid**	**GC/MS EEE**	**11/28/14**	**12/01/14 16:09**	**141128L07**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Naphthalene	0.2000	0.1166	58	51-129	38-142	
2-Methylnaphthalene	0.2000	0.1255	63	50-127	37-140	
1-Methylnaphthalene	0.2000	0.1251	63	54-132	41-145	
Acenaphthylene	0.2000	0.1093	55	50-123	38-135	
Acenaphthene	0.2000	0.1112	56	53-125	41-137	
Fluorene	0.2000	0.1154	58	55-127	43-139	
Phenanthrene	0.2000	0.1103	55	50-122	38-134	
Anthracene	0.2000	0.1139	57	50-132	36-146	
Fluoranthene	0.2000	0.1169	58	55-127	43-139	
Pyrene	0.2000	0.1118	56	50-134	36-148	
Benzo (a) Anthracene	0.2000	0.1131	57	50-133	36-147	
Chrysene	0.2000	0.1115	56	51-129	38-142	
Benzo (k) Fluoranthene	0.2000	0.1110	55	49-150	32-167	
Benzo (b) Fluoranthene	0.2000	0.1092	55	50-142	35-157	
Benzo (a) Pyrene	0.2000	0.1189	59	50-134	36-148	
Indeno (1,2,3-c,d) Pyrene	0.2000	0.1139	57	50-148	34-164	
Dibenz (a,h) Anthracene	0.2000	0.1200	60	50-133	36-147	
Benzo (g,h,i) Perylene	0.2000	0.1188	59	50-130	37-143	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	11/25/14
550 West C Street, Suite 1200		Work Order:	14-11-2081
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE 49-17			Page 7 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9146	**LCS**	**Solid**	**GC/MS UU**	**11/26/14**	**11/26/14 23:54**	**141126L045**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	47.63	95	78-120	71-127	
Carbon Tetrachloride	50.00	60.42	121	49-139	34-154	
Chlorobenzene	50.00	46.06	92	79-120	72-127	
1,2-Dibromoethane	50.00	48.95	98	80-120	73-127	
1,2-Dichlorobenzene	50.00	46.32	93	75-120	68-128	
1,2-Dichloroethane	50.00	52.77	106	80-120	73-127	
1,1-Dichloroethene	50.00	46.65	93	74-122	66-130	
Ethylbenzene	50.00	47.37	95	76-120	69-127	
Toluene	50.00	47.22	94	77-120	70-127	
Trichloroethene	50.00	47.56	95	80-120	73-127	
Vinyl Chloride	50.00	57.36	115	68-122	59-131	
p/m-Xylene	100.0	92.99	93	75-125	67-133	
o-Xylene	50.00	47.62	95	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	47.32	95	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 14-11-2081 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	771	ICP 7300	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B (M)	EPA 3550B	500	GC 46	1
EPA 8081A	EPA 3545	669	GC 51	1
EPA 8082	EPA 3545	669	GC 31	1
EPA 8260B	EPA 5030C	867	GC/MS UU	2
EPA 8270C SIM PAHs	EPA 3545	907	GC/MS EEE	1

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Glossary of Terms and Qualifiers

Work Order: 14-11-2081 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
Other CA office locations: Concord and San Luis Obispo
For courier service / sample drop off information,
contact sales@calscience.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **14-11-2081**

Date 11/25/14

Page 1 of 1

LABORATORY CLIENT: Kleinfelder

ADDRESS: 550 W C St San Diego

CITY: San Diego STATE: CA ZIP: 92101

TEL: 951-530-7138 E-MAIL: tmeier@kleinfelder.com

CLIENT PROJECT NAME / NUMBER: SDGE 49-17

P.O. NO.:

PROJECT CONTACT: Travis Meier

SAMPLER(S): (PRINT) B. Bergeron

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD

☐ COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS:
** Hold unless VOCs are encountered in Soil Samples

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH EPA 8015 M	BTEX / MTBE ☐ 8260 ☐ 8260B	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6
1	B-8-2	11/25/14	1005	Soil	1	X						X	X	X				X	X	X	X	
2	B-8-6		1035		1	X						X	X	X				X	X	X	X	
3	B-8-11		1040		1	X						X	X	X				X	X	X	X	
4	B-8-16		1055		1	X						X	X	X				X	X	X	X	
5	B-8-Water		1145	Water	8	X	X															
6**	Trip Blank 11-25-14		1230	Water	2		X					HOLD										

DB 11/25/14

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 11/25/14	Time: 1447
Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 11/25/14	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

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WORK ORDER #: 14-11-[2][0][8][1]

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KLEINFELDER DATE: 11/25/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.9 °C - 0.2 °C (CF) = 1.7 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Checked by: 671

CUSTODY SEALS INTACT:

☑ Cooler	☐ _____	☐ No (Not Intact)	☑ Not Present	☐ N/A	Checked by: 671
☐ Sample	☐ _____	☐ No (Not Intact)	☑ Not Present		Checked by: 862

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☑ No analysis requested (5). ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☑	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOA**h** (3) ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB (3) ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☑500AGJ (6) ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☑250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 141104C **Labeled/Checked by:** 862

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 739

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 739

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WORK ORDER #: 14-11-[2][0][8][1]

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis
5	ABC	3							

Comments: _____

*Transferred at Client's request.

Initial / Date: SBZ 11/25/14

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BUILDING DEPARTMENT RECORDS

This Application Shall Be Filled Out by the Applicant.
Draw Lines Through All Items Below that Do Not Apply to Your Application.
Mark "X" in All Squares that Do Apply.

DATE 12-14 1953

PERMIT NUMBER 22478

APPLICATION FOR A BUILDING OR STRUCTURE PERMIT

Is hereby made to the Building Inspector of the City of La Mesa in accordance with the description and for the purpose hereinafter set forth.

Vol..... Page.....

TYPE OF STRUCTURE			
	FIREPROOF	HEAVY TIMBER	
	SEMI-FIREPROOF	METAL FRAME	
	WOOD STUD FRAME	BOARD FRAME	

HOUSE NO.	STREET	LOT NO.	BLOCK NO.	SUBDIVISION
7407	Alvarado Canyon Rd.	Unnumbered.		La Mesa Colony

	NAME	ADDRESS
PROPERTY OWNER	L. L. Cosgrove	2468 Broadway. S.D.
CONTRACTOR	Chris A. Cosgrove	6197 University
ARCHITECT		J-1-6655
		JU-2-7171

FRAME BUILDING SPECIFICATIONS		
FOUNDATION	EXTERIOR	PIERS
MATERIAL		
THICKNESS	Conc	
HT. ABOVE GRADE		
DEPTH IN GROUND		

DESCRIPTION OF WORK

One Rest Rm & Laundry (Masonry Walls)
24'X48' Mens. 6 W.C. 1-Urinal 5 Showers 2 Lav. - Womens. 7 W.C. 2 Lav. - 5 Showers
One Rest Room. 16'-8"X20'
Men. 3 W.C. 1 Lav. 2 Sh. Women. 3 W.C. 1 Lav. 2 Sh.
Park Bldg. $14,500.00 Wiring $4800. Bldg. 25.00 = $7500.00
No Walls figured.
7 Sewer Conn. @ $50.00 Ea. $350.00

EXT. WALL COVERING	
SIDING	
STUCCO	
BOARD AND BATT	
Masonry	✓

ROOF COVERING	
WOOD SHINGLES	
COMPO. SHINGLES	
TILE	
COMPOSITION	
IRON	
White Rock	

SUPERSTRUCTURE	SIZE	O. C.	SPAN
GIRDERS	4X4		
GIRDERS	4X6		
FLOOR JOIST	2X6	16"	Conc.
FLOOR JOIST	2X6	16"	
FLOOR JOIST		16"	
CEILING JOIST	2X4	16"	
CEILING JOIST		16"	Trusses
ROOF RAFTERS	2X4	24"	
ROOF RAFTERS			
STUDS	2X4	16"	0-FT. CEILING MIN.
STUDS	2X6	16"	0-FT. CEILING MIN.
STUDS		16"	0-FT. CEILING MIN.

	USE	LOT FRONTAGE	LOT DEPTH	WIDTH OF YARDS FRONT	SIDE	BACK	BUILDING HEIGHT	STORIES	ROOMS	FAMILIES	AREA SQ. FT.	COST PER SQ. FT.	TOTAL COST	FEE
MAIN BUILDING														
DETACHED BUILDING														
ACCESSORY BUILDING														
ADDITION														
OTHER STRUCTURES	Rest Rooms for Trailer Pk												$26,800.00	$93.00

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the ordinances and laws governing building's construction will be complied with, whether herein specified or not.

SIGN HERE [signature]
OWNER OR AUTHORIZED AGENT

NATURE OF JOB	
NEW	✓
ADDITION	
REPAIR	
MOVING	
SIGN	

FIRE DISTRICT
☒ YES ☐ NO
If in Fire Zone Give Date of Council Approval
..... 19....

ZONE			
R 1	✓	R 2 A	
R 1 A		R 4	
R 2		C	
		M	

USE APPROVED:
☐ FULL COMPLIANCE
☒ VARIANCE by Council OK
12/8 1953

SET-BACK
Is Special Set-back Applicable
☐ YES ☐ NO
If Yes, Ordinance No.....
Distance back..... feet.
..... 19....

CERTIFICATE OF OCCUPANCY ISSUED
5-25 1953

26
53 [illegible]

SHOW PLOT PLAN ON OTHER SIDE

This Application Shall Be Filled Out by the Applicant.
Draw Lines Through All Items Below that Do Not Apply to Your Application.
Mark "X" in All Squares that Do Apply.

DATE 1-18 19 54

PERMIT NUMBER 87

APPLICATION FOR A BUILDING OR STRUCTURE PERMIT

Is hereby made to the Building Inspector of the City of La Mesa in accordance with the description and for the purpose hereinafter set forth.

Vol..... Page.....

HOUSE NO.	STREET	LOT NO.	BLOCK NO.	SUBDIVISION
7007	Riverside Canyon Rd	Unnumbered		La Mesa Colony

	NAME	ADDRESS
PROPERTY OWNER	Lyle Cosgrave	
CONTRACTOR	Chris A. Cosgrave	
ARCHITECT		

DESCRIPTION OF WORK

Filter Room & Office Rooms -
2 story - (Conc Blk & Frame siding)

No Sewer Connection for this bldg

EXT. WALL COVERING	
SIDING	
STUCCO	
BOARD AND BATT	
Conc Blk	✓

ROOF COVERING	
WOOD SHINGLES	
COMPO. SHINGLES	
TILE	
COMPOSITION	
IRON	
Gravel	✓

TYPE OF STRUCTURE			
	FIREPROOF		HEAVY TIMBER
	SEMI-FIREPROOF		METAL FRAME
	WOOD STUD FRAME		BOARD FRAME

FRAME BUILDING SPECIFICATIONS			
FOUNDATION		EXTERIOR	PIERS
MATERIAL			
THICKNESS			
HT. ABOVE GRADE		Conc	
DEPTH IN GROUND			

SUPERSTRUCTURE	SIZE	O. C.	SPAN
GIRDERS	4X4		
GIRDERS	4X6		
FLOOR JOIST	2X8	16"	
FLOOR JOIST	2X8	16"	
FLOOR JOIST ✓	4"X12"	30"	
CEILING JOIST	2X4	16"	
CEILING JOIST or Frame		16"	
ROOF RAFTERS	2X4	24"	
ROOF RAFTERS ✓	4"X8	30"	
STUDS ✓	2X4	16"	8-FT. CEILING HGT.
STUDS	2X6	16"	8-FT. CEILING HGT.
STUDS		16"	8-FT. CEILING HGT.

	USE	LOT FRONTAGE	LOT DEPTH	WIDTH OF YARDS FRONT	WIDTH OF YARDS SIDE	WIDTH OF YARDS BACK	BUILDING HEIGHT	BUILDING STORIES	BUILDING ROOMS	BUILDING FAMILIES	AREA SQ. FT.	COST PER SQ. FT.	TOTAL COST	FEE
MAIN BUILDING														
DETACHED BUILDING	Office & Filter Rms.										649'		$3,700.00	$10.00
ACCESSORY BUILDING														
ADDITION														
OTHER STRUCTURES														

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the ordinances and laws governing building's construction will be complied with, whether herein specified or not.

SIGN HERE Lyle Cosgrave
OWNER OR AUTHORIZED AGENT

NATURE OF JOB	
NEW	✓
ADDITION	
REPAIR	
MOVING	
SIGN	

FIRE DISTRICT
☒ YES ☐ NO
If in Fire Zone Give Date of Council Approval
..... 19.....

ZONE			
R 1	✓	R 2 A	
R 1 A		R 4	
R 2		C	
		M	

USE APPROVED:
☐ FULL COMPLIANCE
☒ VARIANCE by Council OK
12-8 19 53

SET-BACK
Is Special Set-back Applicable
☐ YES ☐ NO
If Yes, Ordinance No.....
Distance back.....feet.
..... 19.....

CERTIFICATE OF OCCUPANCY ISSUED
1-12 19 54

SHOW PLOT PLAN ON OTHER SIDE

This Application Shall Be Filled Out by the Applicant.
Draw Lines Through All Items Below that Do Not Apply to Your Application.
Mark "X" in All Squares that Do Apply.

DATE 10-1 1954

PERMIT NUMBER 1783

APPLICATION FOR A BUILDING OR STRUCTURE PERMIT

Is hereby made to the Building Inspector of the City of La Mesa in accordance with the description and for the purpose hereinafter set forth.

Vol..... Page.....

TYPE OF STRUCTURE			
	FIREPROOF	HEAVY TIMBER	
	SEMI-FIREPROOF	METAL FRAME	
	WOOD STUD FRAME	BOARD FRAME	

HOUSE NO.	STREET	LOT NO.	BLOCK NO.	SUBDIVISION
7407	Alvarado Canyon Rd	Unnumbered ✓		La Mesa Colony

	NAME	ADDRESS
PROPERTY OWNER	Luis Cosgrove	2468 Broadway S.D.
CONTRACTOR	Chris A. Cosgrove	6196 University
ARCHITECT		T-1-6655

FRAME BUILDING SPECIFICATIONS		
FOUNDATION	EXTERIOR	PIERS
MATERIAL		
THICKNESS	Conc.	
HT. ABOVE GRADE		
DEPTH IN GROUND		

SUPERSTRUCTURE	SIZE	O. C.	SPAN
GIRDERS	4X4		
GIRDERS	4X6		Conc.
FLOOR JOIST	2X6	16"	
FLOOR JOIST	2X6	16"	
FLOOR JOIST	2X4	16"	
CEILING JOIST ✓	2X4	16"	
CEILING JOIST ✓	2X4	16"	
ROOF RAFTERS	2X4	24"	
ROOF RAFTERS ✓	2X4	24"	
STUDS ✓	2X4	16"	8-FT. CEILING MIN.
STUDS	2X6	16"	8-FT. CEILING MIN.
STUDS		16"	8-FT. CEILING MIN.

DESCRIPTION OF WORK

Residence

Located East of & adjacent to office.

EXT. WALL COVERING	
SIDING	
STUCCO	✓
BOARD AND BATT	✓
Masonry	✓
ROOF COVERING	
WOOD SHINGLES	
COMPO. SHINGLES	
TILE	
COMPOSITION	
IRON	
Rock	✓

	USE	LOT FRONTAGE	LOT DEPTH	WIDTH OF YARDS FRONT	SIDE	BACK	BUILDING HEIGHT	STORIES	ROOMS	FAMILIES	AREA SQ. FT.	COST PER SQ. FT.	TOTAL COST	FEE
MAIN BUILDING	Dwelling							1st	5	1	1361		$19,600.00	$72.00
DETACHED BUILDING	"							2nd	3		1027			
ACCESSORY BUILDING														
ADDITION														
OTHER STRUCTURES														

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the ordinances and laws governing building's construction will be complied with, whether herein specified or not.

SIGN HERE [signature]
OWNER OR AUTHORIZED AGENT

NATURE OF JOB	
NEW	✓
ADDITION	
REPAIR	
MOVING	
SIGN	

FIRE DISTRICT
☒ YES ☐ NO
If in Fire Zone Give Date of Council Approval
.....19....

ZONE			
R 1	✓	R 2 A	
R 1 A		R 4	
R 2		C	
		M	

USE APPROVED:
☐ FULL COMPLIANCE
☐ VARIANCE by Council OK
.....19....

SET-BACK
Is Special Set-back Applicable
☐ YES ☐ NO
If Yes, Ordinance No.....
Distance back.....feet.
.....19....

CERTIFICATE OF OCCUPANCY ISSUED
3-1 1955

This Application Shall Be Filled Out by the Applicant.
Draw Lines Through All Items Below that Do Not Apply to Your Application.
Mark "X" in All Squares that Do Apply.

DATE 4-21 1954

PERMIT NUMBER 862

APPLICATION FOR A BUILDING OR STRUCTURE PERMIT

Is hereby made to the Building Inspector of the City of La Mesa in accordance with the description and for the purpose hereinafter set forth.

Vol..... Page.....

HOUSE NO.	STREET	LOT NO.	BLOCK NO.	SUBDIVISION
7207	Alvarado Canyon Rd.			La Mesa Colony

	NAME	ADDRESS
PROPERTY OWNER	Luke Cosgrove	
CONTRACTOR	Chris A. Cosgrove	
ARCHITECT	John E. Dietert	455 El Cajon Blvd. E.C.

DESCRIPTION OF WORK

Comfort Station for Trailer Court.

EXT. WALL COVERING	
SIDING	
STUCCO	✓
BOARD AND BATT	

ROOF COVERING	
WOOD SHINGLES	
COMPO. SHINGLES	
TILE	
COMPOSITION	
IRON	Corrugated Iron

TYPE OF STRUCTURE			
	FIREPROOF		HEAVY TIMBER
	SEMI-FIREPROOF		METAL FRAME
	WOOD STUD FRAME		BOARD FRAME

FRAME BUILDING SPECIFICATIONS

FOUNDATION	EXTERIOR	PIERS
MATERIAL		
THICKNESS	Conc	
HT. ABOVE GRADE		
DEPTH IN GROUND		

SUPERSTRUCTURE	SIZE	O. C.	SPAN
GIRDERS	4X4		
GIRDERS	4X6		
FLOOR JOIST	2X6	16"	Conc
FLOOR JOIST	2X8	16"	
FLOOR JOIST		16"	
CEILING JOIST	2X4	16"	
CEILING JOIST ∠	2X6	16"	
ROOF RAFTERS	2X4	24"	
ROOF RAFTERS ∠	2X6	24"	
STUDS	2X4	16"	8-FT. CEILING MIN.
STUDS	3X8	16"	8-FT. CEILING MIN.
STUDS		16"	8-FT. CEILING MIN.

	USE	LOT FRONTAGE	LOT DEPTH	WIDTH OF YARDS FRONT	WIDTH OF YARDS SIDE	WIDTH OF YARDS BACK	BUILDING HEIGHT	BUILDING STORIES	BUILDING ROOMS	BUILDING FAMILIES	AREA SQ. FT.	COST PER SQ. FT.	TOTAL COST	FEE
MAIN BUILDING	Rest, Laundry & Storage Rms												$3000.00	$2.00
DETACHED BUILDING														
ACCESSORY BUILDING														
[illegible]TION														
OTHER STRUCTURES														

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the ordinances and laws governing building's construction will be complied with, whether herein specified or not.

SIGN HERE [signature]
OWNER OR AUTHORIZED AGENT

NATURE OF JOB	
NEW	✓
ADDITION	
REPAIR	
MOVING	
RAZE	

FIRE DISTRICT
☐ YES ☐ NO
If in Fire Zone Give Date of Council Approval
..... 19....

ZONE			
R 1		R 2 A	
R 1 A		R 4	
R 2		C	
		M	

USE APPROVED:
☑ FULL COMPLIANCE
☐ VARIANCE by Council OK
..... 19....

SET-BACK
Is Special Set-back Applicable
☐ YES ☐ NO
If Yes, Ordinance No.....
Distance back..... feet.
..... 19....

CERTIFICATE OF OCCUPANCY ISSUED
6-1 19 54

SHOW PLOT PLAN ON OTHER SIDE

This Application Shall Be Filled Out by the Applicant.
Draw Lines Through All Items Below that Do Not Apply to Your Application.
Mark "X" in All Squares that Do Apply.

DATE 6-7 19 54

PERMIT NUMBER 1192

APPLICATION FOR A BUILDING OR STRUCTURE PERMIT

Is hereby made to the Building Inspector of the City of La Mesa in accordance with the description and for the purpose hereinafter set forth.

Vol..... Page.....

HOUSE NO.	STREET	LOT NO.	BLOCK NO.	SUBDIVISION
7907	Alvarado Canyon Rd			La Mesa Colony

	NAME	ADDRESS
PROPERTY OWNER	M. L. Cosgrove	
CONTRACTOR	Chris A. Cosgrove	
ARCHITECT		

DESCRIPTION OF WORK

Rest. lounge & Rumpus Rm's & Mail Rm.

EXT. WALL COVERING	
SIDING	
STUCCO	
BOARD AND BATT	
Conc Block	✓

ROOF COVERING	
WOOD SHINGLES	
COMPO. SHINGLES	
TILE	
COMPOSITION	
IRON	
Rock	✓

TYPE OF STRUCTURE			
	FIREPROOF		HEAVY TIMBER
	SEMI-FIREPROOF		METAL FRAME
	WOOD STUD FRAME		BOARD FRAME

FRAME BUILDING SPECIFICATIONS

FOUNDATION	EXTERIOR	PIERS
MATERIAL		
THICKNESS	Conc	
HT. ABOVE GRADE		
DEPTH IN GROUND		

SUPERSTRUCTURE	SIZE	O. C.	SPAN
GIRDERS	4X4		
SINDERS	4X6		
FLOOR JOIST Rest Rm	2X8	16"	Conc
FLOOR JOIST Rumpus Rm	2X8	16"	
FLOOR JOIST		16"	
CEILING JOIST	2X4	16"	
CEILING JOIST	2X6	16"	
ROOF RAFTERS	2X4	24"	
ROOF RAFTERS	2X6	16"	
STUDS	2X4	16"	8-FT. CEILING HGT.
STUDS	3X6	16"	8-FT. CEILING HGT.
STUDS		16"	8-FT. CEILING HGT.

	USE	LOT FRONTAGE	LOT DEPTH	WIDTH OF YARDS FRONT	WIDTH OF YARDS SIDE	WIDTH OF YARDS BACK	BUILDING HEIGHT	BUILDING STORIES	BUILDING NO. FAMILIES	BUILDING FAMILIES	AREA SQ. FT.	COST PER SQ. FT.	TOTAL COST	FEE
MAIN BUILDING	Rest. lounge, Rumpus & Mail Rm										1520		$16450	$65.00
DETACHED BUILDING														
ACCESSORY BUILDING														
ADDITION														
OTHER STRUCTURES														

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the ordinances and laws governing building's construction will be complied with, whether herein specified or not.

SIGN HERE Chris A. Cosgrove

OWNER OR AUTHORIZED AGENT

NATURE OF JOB	
NEW	✓
ADDITION	
REPAIR	
MOVING	
RAZE	

FIRE DISTRICT

☒ YES ☐ NO

If in Fire Zone Give Date of Council Approval

..... 19.....

ZONE

R 1	✓	R 2 A	
R 1 A		R 4	
R 2		C	
		M	

USE APPROVED:

☐ FULL COMPLIANCE

☒ VARIANCE by Council OK

June 19 53

SET-BACK
Is Special Set-back Applicable

☐ YES ☐ NO

If Yes, Ordinance No.....

Distance back..... feet.

..... 19.....

CERTIFICATE OF OCCUPANCY ISSUED

9-1 19 54

SHOW PLOT PLAN ON OTHER SIDE

This Application Shall Be Filled Out by the Applicant.
Draw Lines Through All Items Below that Do Not Apply to Your Application.
Mark "X" in All Squares that Do Apply.

DATE 4-27 1954

PERMIT NUMBER 931

APPLICATION FOR A BUILDING OR STRUCTURE PERMIT

Is hereby made to the Building Inspector of the City of La Mesa in accordance with the description and for the purpose hereinafter set forth.

Vol..... Page.....

Unnumbered

HOUSE NO.	STREET	LOT NO.	BLOCK NO.	SUBDIVISION
7407	Alvarado Canyon Rd.			La Mesa Colony

	NAME	ADDRESS
PROPERTY OWNER	L.L. Cosgrove	
CONTRACTOR	Chris Cosgrove	
ARCHITECT		

DESCRIPTION OF WORK

Swimming Pool 20x65

2 Sewer Connections 100.00
$50.00 each

EXT. WALL COVERING	
SIDING	
STUCCO	
BOARD AND BATT	

ROOF COVERING	
WOOD SHINGLES	
COMPO. SHINGLES	
TILE	
COMPOSITION	
IRON	

TYPE OF STRUCTURE			
	FIREPROOF	HEAVY TIMBER	
	SEMI-FIREPROOF	METAL FRAME	
	WOOD STUD FRAME	BOARD FRAME	

FRAME BUILDING SPECIFICATIONS

FOUNDATION	EXTERIOR	PIERS
MATERIAL		
THICKNESS		
HT. ABOVE GRADE		
DEPTH IN GROUND		

SUPERSTRUCTURE	SIZE	O. C.	SPAN
BIRDERS	4X4		
BIRDERS	4X6		
FLOOR JOIST	2X6	16"	
FLOOR JOIST	2X8	16"	
FLOOR JOIST		16"	
CEILING JOIST	2X4	16"	
CEILING JOIST		16"	
ROOF RAFTERS	2X4	24"	
ROOF RAFTERS			
STUDS	2X4	16"	8-FT. CEILING MIN.
STUDS	2X6	16"	8-FT. CEILING MIN.
STUDS		16"	8-FT. CEILING MIN.

	USE	LOT		WIDTH OF YARDS			BUILDING				AREA SQ. FT.	COST PER SQ. FT.	TOTAL COST	FEE
		FRONTAGE	DEPTH	FRONT	SIDE	BACK	HEIGHT	STORIES	ROOMS	FAMILIES				
MAIN BUILDING														
DETACHED BUILDING														
ACCESSORY BUILDING														
ADDITION														
OTHER STRUCTURES	Swimming Pool												$2000.00	$49.00

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the ordinances and laws governing building's construction will be complied with, whether herein specified or not.

SIGN HERE [signature]
OWNER OR AUTHORIZED AGENT

NATURE OF JOB	
NEW	
ADDITION	
REPAIR	
MOVING	
SIGN	
Pool	✓

FIRE DISTRICT
☒ YES ☐ NO
If in Fire Zone Give Date of Council Approval
..... 19...

ZONE

R 1	✓	R 2 A	
R 1 A		R 4	
R 2		C	
		M	

USE APPROVED:
☐ FULL COMPLIANCE
☒ VARIANCE by Council OK
12-8- 1953

SET-BACK
Is Special Set-back Applicable
☐ YES ☐ NO
If Yes, Ordinance No.....
Distance back..... feet
..... 19...

CERTIFICATE OF OCCUPANCY ISSUED
7-12 1954

SHOW PLOT PLAN ON OTHER SIDE

This Application Shall Be Filled Out by the Applicant.
Draw Lines Through All Items Below that Do Not Apply to Your Application.
Mark "X" in All Squares that Do Apply.

DATE 11 5 19___

PERMIT NUMBER 5283

APPLICATION FOR A BUILDING OR STRUCTURE PERMIT

Is hereby made to the Building Inspector of the City of La Mesa in accordance with the description and for the purpose hereinafter set forth.

Unnumbered Vol.____ Page____

HOUSE NO.	STREET	LOT NO.	BLOCK NO.	SUBDIVISION
7457	Alvarado Canyon Rd. Par			La Mesa Colony

	NAME	ADDRESS
PROPERTY OWNER	Louise Cosgrove	
CONTRACTOR	Chris A. Cosgrove	HO-9-0131
ARCHITECT		

DESCRIPTION OF WORK

49 Slabs
49 Storage Lockers
Rest Room + Utility Bldg.
3 Sewer Conns @ $5.00 - $150.00

EXT. WALL COVERING

SIDING	
STUCCO	✓
BOARD AND BATT	

ROOF COVERING

WOOD SHINGLES	
COMP. SHINGLES	
TILE	
COMPOSITION	
IRON	

TYPE OF STRUCTURE

FIREPROOF	HEAVY TIMBER
SEMI-FIREPROOF	METAL FRAME
WOOD STUD FRAME	BOARD FRAME

FRAME BUILDING SPECIFICATIONS

	FOUNDATION	EXTERIOR	PIERS
MATERIAL			
THICKNESS			
HT. ABOVE GRADE			
DEPTH IN GROUND			

SUPERSTRUCTURE	SIZE	O. C.	SPAN
GIRDERS	4X6		
GIRDERS	4X8		
FLOOR JOIST	2X8	16"	
FLOOR JOIST	2X8	16"	
FLOOR JOIST		16"	
CEILING JOIST	2X4	16"	
CEILING JOIST		16"	
ROOF RAFTERS	2X4	24"	
ROOF RAFTERS			
STUDS	2X4	16"	8-FT. CEILING MIN.
STUDS	4X6	16"	8-FT. CEILING MIN.
STUDS		16"	8-FT. CEILING MIN.

	USE	LOT FRONTAGE	LOT DEPTH	WIDTH OF YARDS FRONT	WIDTH OF YARDS SIDE	WIDTH OF YARDS BACK	BUILDING HEIGHT	BUILDING STORIES	BUILDING ROOMS	BUILDING FAMILIES	AREA SQ. FT.	COST PER SQ. FT.	TOTAL COST	FEE
MAIN BUILDING														
DETACHED BUILDING														
ACCESSORY BUILDING														
ADDITION	To Trailer Park												16,502 SF	63.00
OTHER STRUCTURES														

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the ordinances and laws governing building's construction will be complied with, whether herein specified or not.

SIGN HERE [signature] OWNER OR AUTHORIZED AGENT

NATURE OF JOB	
NEW	
ADDITION	✓
REPAIR	
MOVING	
SIGN	

FIRE DISTRICT
☑ YES ☐ NO
If in Fire Zone Give Date of Council Approval
____ 19__

ZONE			
R-A		C-1	
R-1		C-2	✓
R-2		M	
R-3			

USE APPROVED:
☐ FULL COMPLIANCE
☑ VARIANCE by Council OK
Conditional Use Resid
11-27 - 19 56

SET-BACK
Is Special Set-back Applicable
☐ YES ☑ NO
If Yes, Ordinance No.____
Distance back____ feet.
____ 19__

CERTIFICATE OF OCCUPANCY ISSUED
6/58 19 57

SHOW PLOT PLAN ON OTHER SIDE

This Application Shall Be Filled Out by the Applicant.
Draw Lines Through All Items Below that Do Not Apply to Your Application.
Mark "X" in All Squares that Do Apply.

DATE 5-5 19 58

PERMIT NUMBER 7630

APPLICATION FOR A BUILDING OR STRUCTURE PERMIT

Is hereby made to the Building Inspector of the City of La Mesa in accordance with the description and for the purpose hereinafter set forth.

Trailer Lot #167 Vol. ..... Page .....

HOUSE NO.	STREET	LOT NO.	BLOCK NO.	SUBDIVISION
7407	Alvarado Canyon Rd	Unnumbered Lot		L. M. Colony

	NAME	ADDRESS
PROPERTY OWNER	Mrs Rowland LaMesa Trailer Ct.	
CONTRACTOR	Hughes Mfg. Corp.	
ARCHITECT		

DESCRIPTION OF WORK

Patio cover

EXT. WALL COVERING	
SIDING	
STUCCO	
BOARD AND BATT	

ROOF COVERING	
WOOD SHINGLES	
COMPO. SHINGLES	
TILE	
COMPOSITION	
IRON	

TYPE OF STRUCTURE			
	FIREPROOF	HEAVY TIMBER	
	SEMI-FIREPROOF	METAL FRAME	
	WOOD STUD FRAME	BOARD FRAME	

FRAME BUILDING SPECIFICATIONS

FOUNDATION	EXTERIOR	PIERS
MATERIAL		
THICKNESS		
HT. ABOVE GRADE		
DEPTH IN GROUND		

SUPERSTRUCTURE	SIZE	O. C.	SPAN
GIRDERS	4X4		
GIRDERS	4X8		
FLOOR JOIST	2X6	16"	
FLOOR JOIST	2X8	16"	
FLOOR JOIST		16"	
CEILING JOIST	2X4	16"	
CEILING JOIST		16"	
ROOF RAFTERS	2X4	24"	
ROOF RAFTERS			
STUDS	2X4	16"	8-FT. CEILING MIN.
STUDS	2X6	16"	8-FT. CEILING MIN.
STUDS		16"	8-FT. CEILING MIN.

	USE	LOT FRONTAGE	LOT DEPTH	WIDTH OF YARDS FRONT	SIDE	BACK	BUILDING HEIGHT	STORIES	ROOMS	FAMILIES	AREA SQ. FT.	COST PER SQ. FT.	TOTAL COST	FEE
MAIN BUILDING														
DETACHED BUILDING														
ACCESSORY BUILDING														
ADDITION														
OTHER STRUCTURES	Patio												$844	$5.50

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the ordinances and laws governing building's construction will be complied with, whether herein specified or not.

SIGN HERE J. D. Anderson
OWNER OR AUTHORIZED AGENT

NATURE OF JOB	
NEW	
ADDITION	✓
REPAIR	
MOVING	
SIGN	

FIRE DISTRICT
☐ YES ☐ NO
If in Fire Zone Give Date of Council Approval
..... 19 ....

ZONE

R-A		C-1	
R		C-2	
R-2		M	
R-3			

USE APPROVED:
☑ FULL COMPLIANCE
☐ VARIANCE by Council OK
..... 19 ....

SET-BACK
Is Special Set-back Applicable
☐ YES ☑ NO
If Yes, Ordinance No. .....
Distance back ..... feet.
..... 19 ....

CERTIFICATE OF OCCUPANCY ISSUED
..... 19 ....

SHOW PLOT PLAN ON OTHER SIDE

This Application Shall Be Filled Out by the Applicant.
Draw Lines Through All Items Below that Do Not Apply to Your Application.
Mark "X" in All Squares that Do Apply.

DATE 3-19 1952

PERMIT NUMBER 7423

APPLICATION FOR A BUILDING OR STRUCTURE PERMIT

Is hereby made to the Building Inspector of the City of La Mesa in accordance with the description and for the purpose hereinafter set forth.

Unrecorded Vol. ..... Page .....

HOUSE NO.	STREET	LOT NO.	BLOCK NO.	SUBDIVISION
7809	Alvarado Canyon Rd			La Mesa Colony

	NAME	ADDRESS
PROPERTY OWNER	Chas A. Cosgrove	Ho 9-0131
CONTRACTOR	Self	
ARCHITECT		

DESCRIPTION OF WORK

Office Addn,
BUILT WITHOUT PERMIT OR INSPECTIONS - DOUBLE FEE)

EXT. WALL COVERING	
SIDING	✓
STUCCO	
BOARD AND BATT	
ROOF COVERING	
WOOD SHINGLES	
COMPO. SHINGLES	
TILE	
COMPOSITION	
IRON	Rock ✓

TYPE OF STRUCTURE

FIREPROOF	HEAVY TIMBER
SEMI-FIREPROOF	METAL FRAME
WOOD STUD FRAME	BOARD FRAME

FRAME BUILDING SPECIFICATIONS

FOUNDATION	EXTERIOR	PIERS
MATERIAL		
THICKNESS		
HT. ABOVE GRADE		
DEPTH IN GROUND		

SUPERSTRUCTURE	SIZE	O. C.	SPAN
GIRDERS	4X6		
SIDERS	4X6		
FLOOR JOIST	2X6	16"	
FLOOR JOIST	2X6	16"	
FLOOR JOIST		16"	
CEILING JOIST	2X4	16"	
CEILING JOIST		16"	
ROOF RAFTERS	2X4	24"	
ROOF RAFTERS			
STUDS	2X4	16"	8-FT. CEILING MIN.
STUDS	2X6	16"	8-FT. CEILING MIN.
STUDS		16"	8-FT. CEILING MIN.

	USE	LOT FRONTAGE	LOT DEPTH	WIDTH OF YARDS FRONT	WIDTH OF YARDS SIDE	WIDTH OF YARDS BACK	BUILDING HEIGHT	BUILDING STORIES	BUILDING ROOMS	BUILDING FAMILIES	AREA SQ. FT.	COST PER SQ. FT.	TOTAL COST	FEE
MAIN BUILDING														
DETACHED BUILDING														
ACCESSORY BUILDING														
ADDITION	Office										234		$1,875.00	$20.00 OF.
OTHER STRUCTURES														

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the ordinances and laws governing building's construction will be complied with, whether herein specified or not.

SIGN HERE E. McLean
OWNER OR AUTHORIZED AGENT

NATURE OF JOB	
NEW	
ADDITION	✓
REPAIR	
MOVING	
SIGN	

FIRE DISTRICT
☑ YES ☐ NO
If in Fire Zone Give Date of Council Approval
..... 19....

ZONE			
R-A		C-1	
R-1		C-2	✓
R-2		M	
R-3			

USE APPROVED:
☑ FULL COMPLIANCE
☐ VARIANCE by Council OK
..... 19....

SET-BACK
Is Special Set-back Applicable
☐ YES ☑ NO
If Yes, Ordinance No. .....
Distance back ..... feet.
..... 19....

CERTIFICATE OF OCCUPANCY ISSUED
3-19 1952

SHOW PLOT PLAN ON OTHER SIDE

DEPARTMENT OF BUILDING INSPECTION CITY OF LA MESA

PERMIT APPLICATION
PRINT ONLY — APPLICANT TO COMPLETE

JOB ADDRESS: 7401 alvarado Rd.
OWNERS NAME: Chris Cosgrove
ADDRESS: 7407 alvarado Rd
PHONE: 469 4697

WORK TO BE DONE: Install Carport 8X20
VALUATION

LAND AREA _____ SQ. FT.
AREA: NEW BLDG. _____ SQ. FT. NEW GARAGE _____ SQ. FT.
NO. UNITS _____ NO. STORIES _____

LEGAL DESCRIPTION
LOT 6 TRACT _____
La Mesa Mobile Lodge
ASSESSORS PARCEL NO. _____

CONTRACTOR Chris Cosgrove
ADDRESS 7407 alvarado Rd.
La Mesa. PHONE _____
STATE LICENSE NO. 5933 CLASS B1
CITY BUSINESS LICENSE # _____

WORKMAN'S COMPENSATION INSURANCE
ON FILE ✓ AFFIDAVIT _____

ARCHITECT/DESIGNER Teledyne [illegible]
ADDRESS 528 E Mission Rd San Marcos
PHONE 714 - 744 1121

ALL WORK DONE SHALL COMPLY WITH THE LAWS OF THE CITY OF LA MESA & THE STATE OF CALIFORNIA AND MAY BE INSPECTED AT ANY TIME.

Stuart Jones 6/7/79
PERMITTEE'S SIGNATURE DATE

APPLICANT NOTE CITY'S GENERAL REMARKS

JOB ADDRESS 7401 alvarado Rd #6
PLAN FILE No. _____ PERMIT No. 42799 DATE 6/7/79
CENSUS TRACT No. _____ OCCUPANCY _____ CLASS CODE _____
GRADING PERMIT NO. _____
TYPE OF CONSTRUCTION _____ FIRE ZONE 2 CK. BY [illegible]

	TOTAL FEE		TOTAL FEE DUE			
	FEES	P.C.FEE	FEES	P.C.FEE	AREA	VALUATION
BUILDING	10.00				160	$640-
ELECT.						
		TOTAL FEE				
MECHAN.						
		TOTAL FEE				
PLUMB.						
		TOTAL FEE				
SOLAR						
		TOTAL FEE				
ENERGY						
		TOTAL FEE				
PARKS						
		TOTAL FEE				

MICROFILM SHEETS XS
STRONG MOTION FEE
LATERAL
CONNECTION
SPECIAL CONNECTION - CITY
SPECIAL FEE - (REFUND)
TOTAL FEES 10.00

☐ REQUIRED FIRE DEPARTMENT APPROVAL
DATE _____

PLANNING
CM-F USE _____ HOLD FINAL ☐ NO
FRONT _____ FT. INSPECTION ☐ YES
REAR _____ FT. OFF ST. PL. NO. REQ. _____
SIDE _____ FT. BLDG. SEPARATIONS CHK. _____
GARAGE _____ FT. TO PL. TOPO VAR. _____
CONDITIONS & REFERENCE:

CHECKED [illegible] DATE 6/7/79

ORIGINAL-BUILDING DEPT.

ENGINEERING
☐ YES IMPROVEMENTS/ ☐ SRCG. ☐ STREET ☐ SEWER ☐ STORM
☐ YES STREET WIDENING/GRADING ☐ NO ☐ YES
☐ YES ENCROACHMENT PERMIT REQ'D.
☐ YES EXISTING LATERAL
☐ YES HOLD FINAL INSPECTION N/A
☐ YES IMPROVEMENT PLANS
☐ YES LIEN AGREEMENT
☐ YES GRANT DEED
☐ YES EASEMENT DEED
☐ YES BOND
DISTANCE _____ FT. FACE CURB TO PL.
EXISTING SEWER LOCATION _____
CHECKED [illegible] DATE 6/7/79

ISSUED BY: [illegible] RECEIPT No. 13557 DATE 6-7-79

THIS PERMIT AUTHORIZES ONLY THE WORK NOTED

7401 Alvarado #6 Cosgrove PERMIT No. 42799

DEPARTMENT OF BUILDING INSPECTION CITY OF LA MESA

PERMIT APPLICATION

PRINT ONLY — APPLICANT TO COMPLETE

LA MESA MOBILE LODGE SPACE #125

JOB ADDRESS: 7407 ALVARADO ROAD

OWNERS NAME: Chavez

ADDRESS: 7407 Alvarado Rd. LAMESA

PHONE: 464-8902

WORK TO BE DONE: 6'X8' PORCH

VALUATION

LAND AREA 48 SQ. FT.

AREA: NEW BLDG. ____ SQ. FT. NEW GARAGE ____ SQ. FT.

NO. UNITS ____ NO. STORIES ____

LEGAL DESCRIPTION

LOT X TRACT

MOBILE Home Lot

ASSESSORS PARCEL NO. ____

CONTRACTOR Rick's Contracting

ADDRESS 4349 Clmt. Mesa Blvd. San Diego CA. PHONE 273-5028

STATE LICENSE NO. 372150 CLASS B

CITY BUSINESS LICENSE # ~~54879~~ 5612

WORKMAN'S COMPENSATION INSURANCE

ON FILE ____ AFFIDAVIT Attached

ARCHITECT/DESIGNER Rick's Contracting

ADDRESS 4349 Clmt. Mesa Blvd. SD

PHONE 273-5028

ALL WORK DONE SHALL COMPLY WITH THE LAWS OF THE CITY OF LA MESA & THE STATE OF CALIFORNIA AND MAY BE INSPECTED AT ANY TIME.

Richard M Costa 3-13-80

PERMITTEE'S SIGNATURE — DATE

APPLICANT NOTE CITY'S GENERAL REMARKS

JOB ADDRESS 7407 Alvarado Rd.

PLAN FILE No. 1 — PERMIT No. ____ — DATE 3-18-80

CENSUS TRACT No. ____ — OCCUPANCY ____ — CLASS CODE ____

GRADING PERMIT NO. ____

TYPE OF CONSTRUCTION ____ — FIRE ZONE ____ — CK. BY JR

	TOTAL FEE FEES	P.C. FEE	TOTAL FEE DUE FEES	P.C. FEE	AREA	VALUATION
BUILDING	10.00		Porch		48	
ELECT.			Mobile Home			
			TOTAL FEE			
MECHAN.						
			TOTAL FEE			
PLUMB.						
			TOTAL FEE			
SOLAR						
			TOTAL FEE			
ENERGY						
			TOTAL FEE			
PARKS						
			TOTAL FEE			

MICROFILM — SHEETS — X$

STRONG MOTION FEE

LATERAL

CONNECTION

SPECIAL CONNECTION - CITY

SPECIAL FEE - (REFUND)

10.00 TOTAL FEES

☐ REQUIRED FIRE DEPARTMENT APPROVAL

DATE ____

JOB ADDRESS 7407 Alvarado

OWNER Rick's Contracting (Space 125)

PERMIT No. 43231

PLANNING

ZONE ____ USE ____ HOLD FINAL ☐ NO

FRONT ____ FT. INSPECTION ☐ YES

REAR ____ FT. OFF ST. PK. NO. RED. ____

SIDE ____ FT. BLDG. SEPARATIONS CHK. ____

GARAGE ____ FT. TO PL. TOPO VAR. ____

CONDITIONS & REFERENCE

NR

CHECKED ____ DATE ____

ENGINEERING

☐ YES IMPROVEMENTS/ ☐ SWDG ☐ STREET ☐ SEWER ☐ STORM

☐ YES STREET WIDENING/GRADING ☐ NO ☐ YES

☐ YES ENCROACHMENT PERMIT REQ'D

☐ YES EXISTING LATERAL

☐ YES HOLD FINAL INSPECTION

NR

☐ YES IMPROVEMENT PLANS

☐ YES LIEN AGREEMENT

☐ YES GRANT DEED

☐ YES EASEMENT DEED

☐ YES BOND

DISTANCE ____ FT. FACE CURB TO PL.

EXISTING SEWER LOCATION ____

CHECKED ____ DATE ____

ISSUED BY: J Ross — RECEIPT No. 017984 — DATE 3-18-80

THIS PERMIT AUTHORIZES ONLY THE WORK NOTED

DEPARTMENT OF BUILDING INSPECTION CITY OF LA MESA

PERMIT APPLICATION

PRINT ONLY — APPLICANT TO COMPLETE

JOB ADDRESS: 7470 Alvarado Space 86

OWNERS NAME: Yin Hyo Bin

ADDRESS: Space 86

PHONE:

WORK TO BE DONE: Mobile Home

VALUATION

LAND AREA ____ SQ. FT.

AREA: NEW BLDG. ____ SQ. FT. NEW GARAGE ____ SQ. FT.

NO. UNITS ____ NO. STORIES ____

LEGAL DESCRIPTION

LOT ____ TRACT ____

ASSESSORS PARCEL NO. ____

CONTRACTOR

ADDRESS

PHONE

STATE LICENSE NO. ____ CLASS ____

CITY BUSINESS LICENSE #

ARCHITECT/DESIGNER

ADDRESS

PHONE

JOB ADDRESS 7470 Alvarado Space 86

PLAN FILE NO. ____ P.C. PD $ ____ RECEIPT NO. ____

CENSUS TRACT NO. ____ OCCUPANCY ____ CLASS CODE ____

PLAN CHECK BY ____ DATE ____

TYPE OF CONSTRUCTION ____

FIRE DEPT. ____ SPRINKLERED ____ DATE ____

FEES	PLAN CHECK	AREA	VALUATION	COMMENTS
35.00	5.00			

40.00	TOTAL FEE
	TOTAL FEE ELECT.
	TOTAL FEE MECHAN.
	TOTAL FEE PLUMB.
	TOTAL FEE SOLAR
	TOTAL FEE ENERGY
	TOTAL FEE PARKS
	MICROFILM
	STRONG MOTION FEE
	LATERAL
	CONNECTION
	SPECIAL CONNECTION CITY
	SPECIAL FEE (REFUND)
40.00	TOTAL FEES

JOE ATKINS

OWNER

PLANNING ENGINEERING

OYES HOLD FINAL INSPECTION
OYES GRADING PERMIT REQ'D.

DISTANCE ____ FT. FACE CURB TO PL.

EXISTING SEWER LOCATION ____

CHECKED ____ DATE ____

ZONE ____ USE ____ HOLD FINAL ☐ NO

FRONT ____ FT. INSPECTION OYES

REAR ____ FT. OFF ST. PK. NO. ____

SIDE ____ FT. VARIANCE

GARAGE ____ FT. DAB FILE No.

CONDITIONS & REFERENCE

CHECKED ____ DATE ____

PLUMBING PERMIT NO.

[illegible] CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

[illegible] I HEREBY AFFIRM THAT I HAVE A CERTIFICATE OF CONSENT TO SELF-INSURE OR A CERTIFICATE OF WORKERS' COMPENSATION INSURANCE, OR A COPY CERTIFIED BY THE PERSON OR COMPANY GIVING THE INSURANCE, AS PROVIDED FOR BY SECTION 3700 OF THE LABOR CODE, FOR THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED. I SHALL NOT EMPLOY ANY PERSON IN ANY MANNER SO AS TO BECOME SUBJECT TO THE WORKERS' COMPENSATION LAWS OF CALIFORNIA, AND I HEREBY AGREE TO INDEMNIFY AND HOLD HARMLESS THE CITY OF LA MESA FOR ALL EXPENSES INCURRED BY THE CITY OF LA MESA BY REASON OF THE FAILURE OF THE UNDERSIGNED TO COMPLY WITH THIS PARAGRAPH.

DATE ____ COMPANY ____ CERTIFIED COPY HEREOF FURNISHED

EXPIRATION DATE ____ CERTIFICATION INSURANCE

I AM EXEMPT FROM WORKERS' COMPENSATION INSURANCE BECAUSE THE WORK FOR WHICH THIS PERMIT IS ISSUED SHALL NOT CONSTITUTE EMPLOYMENT FOR ME AND I DO NOT INTEND TO BECOME SUBJECT TO THE WORKERS' COMPENSATION LAWS OF CALIFORNIA, IN ANY MANNER SO AS TO BECOME SUBJECT TO THE WORKERS' COMPENSATION LAWS OF CALIFORNIA. I HEREBY AGREE TO INDEMNIFY AND HOLD HARMLESS THE CITY OF LA MESA FOR ALL EXPENSES INCURRED BY THE CITY OF LA MESA BY REASON OF THE FAILURE OF THE UNDERSIGNED TO COMPLY WITH THIS PARAGRAPH.

CONSTRUCTION LENDING AGENCY

I HEREBY AFFIRM THAT THERE IS A CONSTRUCTION LENDING AGENCY FOR THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED (SEC. 3097, CIVIL CODE).

LENDER'S NAME ____

LENDER'S ADDRESS ____

BUSINESS AND PROFESSIONAL CODE CONTRACTORS' LICENSE LAW OWNER-BUILDER EXEMPTION

NOTE: The Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) requires that any person who undertakes to or offers to undertake to, or purports to have the capacity to undertake to, or submits a bid to, or does himself or herself or through others, construct, alter, repair, add to or improve any building or structure, including the moving of a building or structure, over which general supervision is exercised by any building trade or craft, or to do any part thereof, including the erection, installation or repair of any scaffolding or other structure or work in connection therewith, for the construction of which a contractor's license is required by law, shall be licensed as a contractor pursuant to law. Any violation of the Contractors' State License Law is punishable as a misdemeanor and is also punishable by a civil penalty of not more than five thousand dollars ($5000). (B&PC sec. 7028.15)

I, THE OWNER-BUILDER, WILL BE EXCLUSIVELY CONTRACTING WITH LICENSED CONTRACTORS TO CONSTRUCT THE PROJECT (B&PC sec. 7044).

I AM EXEMPT FROM THE CONTRACTORS' LICENSE LAW FOR THE FOLLOWING REASON:

I, AS OWNER OF THE PROPERTY, AM EMPLOYING WORKERS DIRECTLY AND AM SUPERVISING THE WORK MYSELF. I AM OR MY EMPLOYEES WITH WAGES AS THEIR SOLE COMPENSATION WILL PERFORM THE WORK, AND THE STRUCTURE IS NOT INTENDED OR OFFERED FOR SALE (SEC. 7044, B&PC).

I, AS OWNER OF THE PROPERTY, AM EXCLUSIVELY CONTRACTING WITH LICENSED CONTRACTORS TO CONSTRUCT THE PROJECT (SEC. 7044, B&PC).

I AM EXEMPT FROM THE CONTRACTORS' LICENSE LAW BECAUSE I WILL NOT BE OFFERING THE STRUCTURE FOR SALE (SEC. 7044, B&PC).

I AM A NOT OWNER-BUILDER WHO WILL

La Mesa may oust 40 families at trailer park periled by floods

By Vern Griffin
Tribune Staff Writer

Nearly 40 families in a mobile home park near Interstate 8 face possible eviction because of a move by the city of La Mesa to solve what it calls a potentially life-threatening flood situation along Alvarado Creek.

The owner of La Mesan Mobile Home Park, 7407 Alvarado Road, has been told to either remove all of the mobile homes and trailers from the lower end of the park or to place as much as eight to 10 feet of fill along the creek bed which has flooded frequently in recent years.

"I don't agree with the city," said Chris Cosgrove, the park owner. He said he didn't like either one of the alternatives.

"All of this is the city's fault. We never had any flooding at all up until four years ago after the city allowed all the building upstream.

"Telling me to put in that fill is ridiculous."

On the other hand, Cosgrove said he didn't want to evict his tenants, either, if he can help it.

"They have no place else to go," said the 84-year-old owner who built the park in 1950.

The portion of the park that has been declared a public nuisance by the city is its west end where Alvarado Creek has caused repeated flooding in recent years, according to George Pope, the city's director of building and public safety.

"We've had excessive flooding there over the past three years and the fire and police departments had to rescue over 40 people there one year alone," said Pope.

He explained that the city is coming out with its abatement order now in order to solve the public safety problem before the winter's rains.

"The west end of the park is the part where children are allowed to live and that doubles our concern.

"We've had two to four feet of water in that part of the park. An adult might be able to wade through that, but there's no way a child could."

Pope also said a fireman almost drowned there during one rescue operation.

The order from the city was received by Cosgrove yesterday and gave him 10 days to tell the city his plans. He has 120 days to complete the abatement work.

Caught in the middle in the situation are the tenants who could be evicted.

"Most of the people who live here are young couples, and more than half of them have small children," said Barry Lewis, one of the residents of the park.

He said nearly 40 families could lose their park sites if Cosgrove has to remove all the mobile homes in the danger area.

"We live in smaller, older trailers, and some of these trailer bottoms are so old it's going to be hard to move them," he said. "They may have to be rebuilt.

"These trailers are all we've got. It's home to us."

Some of the residents are San Diego State University students. Others include military families, he said, who are on tight budgets. Lewis is serving as a spokesman for the tenants and said residents, who were invited to a public hearing on the problem last month, already have found that many mobile home parks won't even take their old, narrow trailers.

He said there's not another park in La Mesa that can take them, and one park that will, he said, is way out of the area.

Some park tenants feel CalTrans also is adding to the flood problem. The state is widening Interstate 8 in the area under a $3,763,000 contract and is putting in a concrete flood channel along Alvarado Creek east of the park. But both the city and CalTrans agree the state has no further responsibility to extending the work to the nearby adjacent private property to the west.

"The tenants are offering to mount their own flood watch and even sandbag if necessary so that rescues won't have to be made," said Lewis.

An unfortunate sidelight of the problem, according to Pope, is that there are no relocation funds available for hardship cases among tenants in the park.

"There would be disaster assistance available, but that would have to be after a flood," he said.

At the meeting on January 4, 1983, following presentation of the status report and discussion by the Board, the Board directed that a minimum of 85% compaction be required for any kind of backing or fill, with the understanding that Mr. Pope and Mr. Fogg were authorized to make a decision should it become impossible to achieve this compaction because of the location of utility poles, etc. Said meeting was then continued to January 18, 1983.

At the January 18, 1983 meeting, following the progress report by staff, the Board gave staff the flexibility to work with the property owner to the extent that if the 2000 cfs design criteria was found to be unreasonable, the sandbagging might be reduced to whatever the agreed capacity of the upstream and downstream culverts are, as agreed upon by city staff, Mr. Fogg and the property owner, and to authorize approval by staff of alternate solutions to the 85% compaction requirement, if staff found it was sound engineering. The hearing was then continued to January 25, 1983.

On January 18, 1983, the Board and the representatives of the property owner also agreed that the Board could act on January 25th or delay their action until February 8, 1983. Due to a lack of a quorum on January 25, 1983, the hearing was subsequently continued to February 8, 1983.

At the hearing on February 8, 1983, oral testimony was received and all persons desiring to be heard, were heard.

The Building Code Board of Appeals hereby FINDS as follows:

1. Seasonal flooding of the lower west end of the mobilehome park to depths from 2 to 4 feet or more, requiring the rescue of residents by Fire and Police personnel.

2. Mobilehome units and their accessory structures have been damaged by water and mud.

3. The specific area considered dangerous by the Building Official are all mobilehome spaces located west of the center line of "B" Street to the end of the park.

4. Maximum capacity of culverts is currently a 2000 cfs water flow.

NOW, THEREFORE, IT IS HEREBY FOUND, DETERMINED and RESOLVED by the Building Code Board of Appeals as follows:

1. The foregoing recitals are hereby found to be true.

2. The channel adjacent to the Cosgrove property shall be improved by the property owner to accommodate a 2000 cfs flow within

CATLIN AND COMPANY INC.

CONSULTING ENGINEERS AND GEOLOGISTS

WILLIAM G. CATLIN, President
RCE 11579

7841 EL CAJON BOULEVARD
LA MESA, CALIFORNIA 92041

TELEPHONE
(714) 464-0576
464-0576

Feb. 16, 1983

ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS. AUTHORIZATION FOR PUBLICATION OF OUR REPORTS, CONCLUSIONS, OR EXTRACTS FROM OR REGARDING THEM IS RESERVED PENDING OUR WRITTEN APPROVAL AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES.

City of La Mesa
8130 Allison Ave.

La Mesa, CA. 92041

Subj: Cosgrove Notice of Abatement
La Mesan Mobile Lodge
7407 Alvarado Road

Gentlemen:

This is to verify that the embankments on the Cosgrove property have been installed to the elevations computed to be necessary to avoid significant overtopping and consequent danger to property and residents of the mobile home park as a result of a 2000 cubic foot per second flow of water through the channel. This letter also is to verify that the placement of the sandbags and modification of the masonry block walls have been designed to be structurally stable and durable enough to provide this protection for a period of at least five years so long as the channel system is appropriately maintained.

Very truly yours,

William G. Catlin RCE

President

Distr (1) Addressee
(1) Chris Cosgrove
(1) James Dawe

George Pope

DUE DATE:

F. UP DATE:

CITY OF LA MESA

INTERCOMMUNICATING MEMORANDUM

TO Lee Knutson - City Attorney DATE January 26, 1983

FROM Charles R. Bras - Director of Public Works Chuck

SUBJECT Improvement of Alvarado Bridge Easterly of Trailer Park

Lee:

We have just received a design from Bob Fogg for a low wall on the bridge to insure that it will accommodate 2000 cubic feet per second volume of water. Our Public Works Department will order the materials and start the work sometime this week. We expect the wall to be completed within approximately 10 days.

I would suggest that we put this information in a letter to Jim Dawe and reiterate their commitment to improve the channel through their property to handle a 2000 cubic feet per second volume. We should also request a time schedule for completion of their work.

Since we are dealing with the owner's attorney and you have had conversations with Mr. Dawe, I suggest that the letter come from your office.

CRB:et

cc: City Manager
Paul Fabares
Jim Hayes

(3)

LA MESA FIRE DEPARTMENTS TO 7407 Alvarado Road with rescues involved:

DATE	TIME	NOTES
Nov. 22, 1965	2256 hrs	Rescue (2 persons known to have carried to safety)
Mar 4, 1978	1645 hrs	Flooding and rescue.
Feb 20, 1980	1745 hrs	Rescue, Injuries to 3 firefighters and 15 residents. (Bailey, Ketner & Himes)
Mar 12, 1982	1555 hrs	Rescued 5 residents.

Section 18009 California Health & Safety Code states: A nuisance includes (b) whatever is dangerous to human life or is detrimental to health.

(This section may have been deleted from later code books.)

March 24, 1954
5263 Cary Street
San Diego 15, California

Mr. Cosgrove
La Mesa Mobile Court
Alvarado Road
La Mesa, California

Dear Mr. Cosgrove:

Some time ago, Mr. Delmas and I talked with you regarding the drainage ditch which you were constructing along the south line of your mobile court where it adjoins our property. At the time, we expressed the fear that this ditch and the elevation of the normal drainage channel might cause run off waters to damage our property.

The rains of the past week have eaten into the banks of the ditch you made and have eroded our land to some extent. The surveyors corner stakes at both the northeast and northwest corners of our property have been washed out by the water in this channel. These corners, of course, will have to be re-established and we will expect you to assume responsibility for the expense incurred.

We hope you will take immediate steps to avoid further damage to our property from this source.

You will find enclosed a copy of a letter sent to Mr. Holcomb acquainting him with the facts in this matter.

We regret the necessity of any inconvenience to you but should any further damage be suffered by us because of this diversion of the natural drainage channel in this area, we will be forced to take whatever steps are necessary to place responsibility and secure damages.

Respectfully yours,

V. M. Butterfield
Felch Delmas

March 24, 1954
5268 Gary Street
San Diego 15, California

Mr. L. H. Halcomb, Jr.
City Manager
La Mesa, California

Dear Sir:

You may recall our conversation with you and Mr. Cole some weeks ago regarding the drainage problem involved in the development of the area occupied by the La Mesa Mobile Court on Alvarado Road near 73rd.

At the time, we called your attention to the fact that the normal drainage channel had been filled in by Mr. Cosgrove and that a new channel was being dug along the south side of the area adjacent to our north property line. At the time, we expressed the fear that the ditch might prove inadequate and such a diversion of the normal drainage channel might endanger our land in times of high water.

The rainfall of the past week, although not exceptionally heavy, has taxed the capacity of the new channel and caused some damage to adjoining property. The banks have been eaten away on the sides of the ditch causing damage to our land. Both the northwest and northeast corner posts defining our north line have been washed out. These were surveyors one inch pipes, one of which had been recently established and the other, set in concrete, had survived several previous rainy seasons.

About a month ago, we discussed this drainage situation with Mr. Cosgrove, pointing out the menace to property along the channel he was constructing. However, he expressed no concern and apparently felt no responsibility.

Since your office is concerned with this matter and the city of La Mesa has jurisdiction over it, we are writing this to acquaint you with these facts and developments.

We trust that steps will be taken to insure proper flood control in the area so that the adjoining properties will not be endangered or damaged by Mr. Cosgrove's diversion of the natural drainage channel.

Respectfully yours,

[illegible]

[illegible] Palmas

April 19, 1954

Mrs. Louise L. Cosgrove and
Mr. Chris A. Cosgrove
6197 University
San Diego, California

Re: La Mesa Colony Property

Dear Madam and Sir:

We have requested from the owner of un-numbered Lot in La Mesa Colony the right of easement for sewer line at a point on the common boundary lines between said un-numbered lot and my lot No. 40 in La Mesa Colony, San Diego County, California. Said easement is more specifically described in a grant of easement prepared by the City of San Diego, a copy of which has been given to you, and as shown on Drawing No. 5257B of the City of San Diego Engineering Department.

In consideration of your granting me this easement, I hereby waive any damages that I have suffered or may suffer by reason of your rerouting surface waters coming upon your land that have and may come upon my land, provided, however, that such surface water does not encroach upon my land more than five feet south of my north boundary. You shall take the proper steps to see that such encroachment beyond said five feet shall not take place.

Very truly yours,

_____

STATE OF CALIFORNIA)
) ss
COUNTY OF SAN DIEGO)

On this 19th day of April, 1954, before me, Notary Public, personally appeared . . . known to me to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same.

_____
Notary Public in and for
said County and State.

CITY OF LA MESA

DEPARTMENT OF BUILDING INSPECTION & HOUSING

"APPEAL"
FROM ACTION OF BUILDING OFFICIAL

Date: October 22, 1982

I hereby submit an appeal to be heard before the Building Code Board of Appeals of the City of La Mesa.

Appeal of: Chris A. and Cecila C. Cosgrove
(name)

7407 Alvarado Road, La Mesa, California 92041 466-2181
(address) (phone)

Having legal interest in the proper / known as: La Mesan Mobile Lodge
(address)

7407 Alvarado Road, La Mesa, California 92041

Legal Description: 469-021-01 of unnumbered lot in La Mesa Colony Tract
(assessors parcel no., tract, block, lot, book no.)

I have legal interest in this property as: owner
(owner, holder of lease, mortgage, deed of trust or lien)

I hereby appeal the following action taken by the Building Official: Issuance of Notice and Order for the Abatement of a Public Nuisance dated October 8, 1982. Entire Notice.

(see attachment for continuation)

My reasons for this appeal and facts supporting my contentions are: The described condition is not the result of action or inaction by the appellant. Upstream and offsite construction appears to have greatly increased drainage in the area causing flooding

(see attachment for continuation)

I hereby request that the Board of Appeals reverse, modify or set aside the action of the Building Official because:

See answer to foregoing question.

(see attachment for continuation)

I/We, the undersigned, hereby declare under penalty of perjury that the above statements are true. (Based upon information and belief.)

Chris A. Cosgrove
(signature(s))

11 15,83

CITY OF LA MESA,
Department of Building Inspection and Housing
Administration Building
8130 Allison Ave.
La Mesa, Calif. 92041

Re: Notice of Abitment of a Public Nuisance dated Nov. 14, 1983, signed by George Pope, Building Official, requesting removal of certain trees and other items on the Northern portion of Parcel 469-100-03.

We are seriously objecting to the Abitment Notice for the following reasons.

We purchased this parcel about 37 years ago and moved in our newly built house in 1947 (36 years ago). Date of annexation to La Mesa. 9/25/60 (23 years ago).

May I call your attention to the fact that the new Alvarado Drainage ditch as it was constructed by Cosgrove with the APPROVAL of the City of La Mesa was designed to DIVERT water flow to a position adjoining our property prior to our annexation, and long after we acuired our property.

The facts concerning said drainage ditch and water flow are as follows:

Prior to the construction of the La Mesan Mobile Lodge no water flowed on our land. Johnson, the previous owner of the trailer court land (known as an unnumbered lot on the Map of La Mesa Colony, Map No. 346, said lot designed to include flooded areas), acuired a contract from the City of La Mesa which permitted him to install a trailer court in the bottom of a flood channel as a condition of annexation of his land to the City of La Mesa (Annexation date 11/16/31). Johnson's rights were transferred to Cosgrove who built the trailer court a few years after annexation, and who is the present owner. When Cosgrove built his trailer court, he had an engineer located in El Cajon (Miller ?) design a diversion ditch around his trailer court so as to divert the flow of water to a position adjoining our land. The trailer court construction was APPROVED by the CITY OF LA MESA at the time Eduards was City Engineer. A ditch (about 20 to 25 feet wide at the time it was built) was dug around the trailer court and the dirt that was removed was used to construct a large berm to attempt to prevent flooding in the new trailer court. As a side effect, it also subjected adjoining property (including ours to flooding since it was built higher than the adjoining land. The fact that the plans as approved were insufficient to prevent water from going over the berm into the trailer court or to cause water to flood adjacent land as is now happening is hardly sufficient reason to try to foist off the problem on adjoiners and have them provide

for increased channel flow area by removal of their protections from erosion. The trailer court with the approval of the city created the problem; not the adjoiners.

May I point out that a short distance east of my eastern property corner is a side canyon discharging into Alvarado Canyon. Because of natural erosion in that canyon over hundreds of years a large dyke of boulders and dirt accumulated at the exit of this canyon. This natural barrier (dyke), which prevented water from flowing onto our land, even at flood time, was removed during the construction of the berm around the trailer court. At the time A. W. Daniels surveyed our property (1947) there was a survey marker on this natural dyke located about 7 or 8 feet above the present bottom of the new diversion ditch. The marker and the soil under it were removed during the construction of the trailer court berm. Removal of this natural dyke barrier has caused erosion beyond it (including our land). As a minimum, at least 15 feet (horizontally) of soil nearby has been removed by erosion after the ditch construction.

The storm water flow, prior to the construction of the diversion ditch or Alvarado Road construction, was near what is now the freeway access road. Prior to the construction of Avarado Road (now the Freeway) there was a small date palm tree in the water flow channel (about 1948 or 1949) which I observed and wondered at its ability to hang onto the soil while flood water rushed by. I even went over and examined it. Today that date palm is still there; it was not removed during the construction of the trailer court, and it marks the flood channel as of that date. No wonder the trailer park floods during a storm; no fill was put in that area. Parts of the trailer court were built directly in the bottom of the flood channel! Why was it approved? Why did the City allow the water to be altered in its natural flow by a diversion ditch? Certainly I had nothing to say about it; we were part of the county at that time.

Adjoining our northern boundary and prior to the new ditch's construction, about 3 feet into Johnson's or the trailer park's land, the San Diego Gas and Electric Co installed a 16" or thereabouts high pressure gas main. At the time it was installed it was about 2 and a half feet below ground surface. After the construction of the diversion ditch, erosion created by the new diversion ditch caused exposure of the top of this pipe. In addition the erosion has progressed about 2 to 10 feet into my land area so as to remove vertically about 2 and a half feet of land. Damage has been done, and a dangerous situation created. A boulder or other forces during a storm can cause rupture of this high pressure gas pipe line. This pipe line prevented Cosgrove from deepening the new diversion ditch

CITY OF LA MESA

December 1, 1983

Mr. Curtis Brown
5075 Keeney Street
La Mesa, CA 92041

Dear Mr. Brown:

This letter will confirm the decisions made at our meeting Tuesday, November 29, 1983, relating to the requirements of the Notice and Order from the Building Official dated November 14, 1983.

The purpose of the meeting was to encourage the cooperation of all property owners to abate obstructions from their property through a joint effort or single contractor. The results of that meeting are as follows:

1. Mr. and Mrs. John S. McKee Property:

After considerable discussion of the McKee property, it was determined that the major portion of the property was clear of obstructions, except for a stand of bamboo and a palm tree at the edge of the channel.

The stand of bamboo and the palm tree are located in an area of the channel which helps prevent further erosion of the McKee property and prevents channeling of the Brown property. The location of this growth in the channel is also within an area where it does not contribute to the flooding of the mobilehome park due to the higher north bank at that location.

It was also determined that the removal of the bamboo and the palm tree would cause positive damage to the McKee and Brown properties, while leaving the growth at the channel edge would cause no damage to the Cosgrove property.

Based upon the above discussion, it was agreed that the McKees should be released from the abatement requirements of the Notice and Order.

2. Mr. Curtis M. Brown Property:

Mr. Brown reported that he had already completed 90% of the clearing of brush and weeds from his portion of the channel. He further indicated that he would be completed with the project within the next two or

three weeks, well before the January 16, 1984 deadline specified in the Notice and Order. He noted that he would not be interested in participating in the cost of a joint contract agreement.

3. Mr. Ralph Dalmas Property:

Mr. Dalmas stated that he would have preferred to have a contractor do the work and share the cost for his portion of the project, however, he would find a contractor of his own and have the work completed within the time period specified.

Note: Mr. Brown and Mr. Dalmas submitted copies of letters and documents which reflected the history of the Alvarado Channel diversion and letters of agreements with Mr. Chris Cosgrove. Mr. Brown also submitted a copy of an appeal which he had intended to file. However, he is now satisfied with the decisions made at this meeting and does not intend to file the appeal, based upon the information that Mr. Pope would not require the removal of any trees from his property that were not obstructing the main flow of the Alvarado Channel.

We greatly appreciate your contribution to the discussion in resolving the Alvarado Channel flooding problem. The cooperative spirit of all the property owners in attendance was highly commendable.

Best of holiday wishes to you and your family.

Sincerely,

GEORGE O. POPE
Director of Building Inspection and Housing

GOP/bjd

cc: City Manager
City Attorney

CITY OF LA MESA

December 1, 1983

John S. & Jean C. McKee
6409 Caminito Estrellado
San Diego, CA 92120

Dear Mr. and Mrs. McKee:

This letter will confirm the decision made at our meeting Tuesday, November 29, 1983, releasing you from the requirements of the Notice and Order dated November 14, 1983, to abate conditions on your property deemed by the Building Official to be contributing to the flooding conditions of the Alvarado Channel.

We appreciate your cooperation in resolving the flooding problem. Have a safe and happy holiday.

Sincerely,

GEORGE O. POPE
Director Building Inspection and Housing

GOP/bjd

cc: City Manager
City Attorney

to its proper depth; it crosses the ditch. Since the construction equipment struck the pipeline during the ditch construction, I presume that its location was unknown to those creating the diversion ditch.

May I also point out that some of the trees you have requested to be removed were in place before the construction of the diversion ditch (Eucalyptus, sycamore, sumac etc.). The sycamores were full grown at the time we purchased the property (about 1946), and were probably a hundred years old at that time. Are you requesting me to remove something existing prior to the original map of La Mesa Colony, existing prior to being included in La Mesa City and prior to the construction of the diversion ditch? I think this is out of line.

Before the construction of the new diversion ditch and also prior to the annexation of either the trailer court (annexed 11/15/51) or our land (annexed 9/26/60) to the City of La Mesa, we had an enclosure in our Northeast corner area in which we kept our dogs and at one time our sheep. Part of that fence is still existing. There was no flooding until after the diversion ditch was constructed. The portion of the fence adjoining the diversion ditch is now gone. Some of it remains.

At the present time we depend upon the trees to help decrease the noise pollution from the freeway as now existing, we depend on the trees to keep us from having to look down on an unsightly set of trailers, and we enjoy the birds the trees attract. There will be a definite damage to the enviornment of this property if the trees are removed.

I recognize that the city can condemn the area in question, but only with compensation. If the area is taken or the trees removed so as to make the area subject to additional water errosion, noise pollution or environmental deterioration, an injustice will be done. I intend to use the courts to attempt to prevent the removal of the trees.

Before you make a decision on enforcing the abatement notice please take time to read Sheffet v. County of Los Angeles 3 Cal. App. 3d 720 wherein the County (not the contractor) was held liable for damages to the adjoiners because of an inadequate approved design for a water drainage system.

From what I have read, it is the "duty of any person threatened with injury to his property by the flow of surface waters to take reasonable precautions to avoid or reduce an actual or potential injury." The trees and bamboo do just that. They are preventing additional errosion. The construction of the diversion ditch caused a potential damage situation to which I reacted at the time we were part of the county (not the city).

Questions come to mind. Have you asked Cosgrove to remove his berm to prevent errosion on my land? Certainly I do not have to tolerate water diverted on our land by a diversion ditch. Has Cosgrove been asked to remove the Cottonwood trees and widen his channel at that point? It is a bottle neck about 200 feet east of our land. Has Cosgrove been asked to remove the big Sycamore stump impeding flow and left on the bank of the ditch? Has Cosgrove been asked to remove all of his trees in the drainage ditch (about 10 of them, mostly palm trees, a sycamore, several eucaliptus, a cottonwood and an crinmental tree). Has Cosgrove been asked to remove the rocks in the ditch that cause turbulence? Why is it that Cosgrove is not and was not required to concrete line the ditch he created? This would have solved the flooding problem.

I believe that the City of La Mesa, who approved the trailer park and ditch diversion plans, has responsibility for damage to the adjoiners, and to date we have had damages. The problem of flooding in the La Mesan Trailer court was created by inadequate diversion ditch design, not by acts of us. It is an injustice to impose a burden of creating additional water flow on those that had nothing to do with the diversion ditch and who were not in the flood zone at the time of water diversion. Those who created the problem should be responsible for its correction, not the bystander.

Curtis M. Brown
5075 Keeney St
La Mesa, Calif.

cc Wayne L. Peterson, Atty.

11/15/83

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Curtis M. Brown
5075 Keeney St
La Mesa, Calif.

cc Wayne L. Peterson, Atty.

CITY OF LA MESA

DEMOLITION PERMIT

SITE ADDRESS 7407 ALVARADO

LEGAL DESCRIPTION: LOT _____ BLOCK _____ TRACT _____

ASSESSORS PARCEL NO: LA MESA Motor Lodge

OWNERS NAME: Chris Cosgrove

OWNERS ADDRESS (if different from above): Same

WHAT IS BEING DEMOLISHED? SFR _____ GARAGE _____ APARTMENT #UNITS _____ OTHER _____

FLOOR AREA: _____ SQ FT Laundry Rm

WHEN? 4-12-84 HOURS _____

ALL WORK DONE SHALL COMPLY WITH THE LAWS OF THE CITY OF LA MESA AND THE STATE OF CALIFORNIA AND MAY BE INSPECTED AT ANY TIME.

REQUESTED BY: Mr Cosgrove

Signature of OWNER/AUTHORIZED AGENT

CONTRACTOR: Cosgrove

ADDRESS: 7407 Alvarado Rd

Street City

PHONE: 466 2181 CITY BUSINESS LICENSE # _____

STATE LICENSE # 5933 CLASS B1

WORKMAN'S COMPENSATION INSURANCE: ON FILE _____ CERTIFICATE _____

I HEREBY APPLY FOR A PERMIT TO DEMOLISH STRUCTURES LISTED ABOVE:

APPLICANT'S SIGNATURE: Chris Cosgrove

ADDRESS: 7407 ALVARADO Rd PHONE: 466 2181

FEES:

DEMOLITION . . . . . $ 10.00

PLUMBING . . . . . $ —

TOTAL FEES . . . . . $ 10.00

$ _____

$ _____

PERMIT # 47905 RECEIPT # 43477 DATE: 4-12-84

APPROVED BY: E. Montero DATE: _____

ALL WORK MUST BE COMPLETED WITHIN 30 DAYS OF BEGINNING DATE.
PEDESTRIAN PROTECTION SHALL BE PROVIDED.

EVIDENCE OF LIABILITY INSURANCE FILED: _____

CITY CLERK: _____ DATE: _____

DEPARTMENT OF BUILDING INSPECTION CITY OF LA MESA

PERMIT APPLICATION

PRINT ONLY — APPLICANT TO COMPLETE

JOB ADDRESS: 7407 ALVARADO RD.

OWNERS NAME: CHRIS A. COSGROVE

ADDRESS: 7407 ALVARADO RD.

PHONE: 466-2162

WORK TO BE DONE: NEW STRUCTURE AROUND NEW EXISTING ELECTRICAL PANEL BOX.

VALUATION

LAND AREA ____ SQ. FT.

AREA NEW BLDG. 114 SQ. FT. NEW GARAGE — SQ. FT.

NO. UNITS — NO. STORIES 1

LEGAL DESCRIPTION: LOTS 47-55 TRACT DE WITT TRACT MAP 1444

LA MESA COUNTY MAP 346

ASSESSORS PARCEL NO.

CONTRACTOR: CHRIS A. COSGROVE

ADDRESS: 7407 ALVARADO RD. LA MESA CA. PHONE 466-2162

STATE LICENSE NO. [redacted] 5933 CLASS B-1

CITY BUSINESS LICENSE #

ARCHITECT/DESIGNER: Matthew W. Evans

ADDRESS: 205 CLAYDELLE AVE 203 EL CAJON, CA.

PHONE: 444-8420

ENGINEERING

☐ YES HOLD FINAL INSPECTION

☐ YES GRADING PERMIT REQ'D.

DISTANCE ____ FT. FACE CURB TO PL

EXISTING SEWER LOCATION

CHECKED ____ DATE ____

PLANNING

ZONE ____ USE ____ HOLD FINAL ☐ NO

FRONT ____ FT. INSPECTION ☐ YES

REAR ____ FT. OFF. ST. PK. NO.

SIDE ____ FT. VARIANCE

GARAGE ____ FT. DAB FILE NO.

CONDITIONS & REFERENCE

CHECKED [signature] DATE 7-5-84

JOB ADDRESS 7407 ALVARADO RD.

PLAN FILE NO. ____ P.C. PD'S ____ RECEIPT NO. ____

CENSUS TRACT NO. ____ OCCUPANCY ____ CLASS CODE ____

PLAN CHECK BY [signature] DATE 7-5-84

TYPE OF CONSTRUCTION

FIRE DEPT. ____ SPRINKLERED ____ DATE ____

FEES	PLAN CHECK	AREA	VALUATION	COMMENTS
11.50		114 #	513.00	

TOTAL FEE

TOTAL FEE ELECT.

TOTAL FEE MECHAN.

TOTAL FEE PLUMB.

TOTAL FEE SOLAR

TOTAL FEE ENERGY

TOTAL FEE PARKS

MICROFILM

STRONG MOTION FEE

LATERAL

CONNECTION

SPECIAL CONNECTION - CITY

SPECIAL FEE (REFUND)

TOTAL FEES

CERTIFICATION OF WORKERS' COMPENSATION INSURANCE

(Not required for permits of $100 value or less)

I HEREBY AFFIRM THAT I HAVE A CERTIFICATE OF CONSENT TO SELF-INSURE or a Certificate of Workers' Compensation Insurance or a copy certified by the insurer that has been issued by the Insurance Commissioner. POLICY NO. ____ EXPIRATION DATE ____ COMPANY ____

CERTIFICATE OF EXEMPTION

I CERTIFY THAT I AM EXEMPT FROM THE WORKERS' COMPENSATION INSURANCE LAW FOR THE FOLLOWING REASON: ____

CERTIFICATE OF EXEMPTION MUST BE FILED WITH WORK PERMIT IF EXEMPTION IS CLAIMED. I SHALL NOT EMPLOY ANY PERSON IN ANY MANNER SO AS TO BECOME SUBJECT TO THE WORKERS' COMPENSATION LAWS OF CALIFORNIA. I UNDERSTAND THAT IF I SHOULD BECOME SUBJECT TO SUCH LAW, THIS PERMIT WILL BECOME NULL AND VOID UPON NOTIFICATION.

CONSTRUCTION LENDING AGENCY

I HEREBY AFFIRM THAT THERE IS A CONSTRUCTION LENDING AGENCY providing funds for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code)

LENDING AGENCY NAME ____

LENDER'S ADDRESS ____

BUSINESS AND PROFESSIONS CODE CONTRACTORS' LICENSE LAW OWNER-BUILDER EXEMPTION

NOTICE: The Business and Professions Code requires that the Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proof to establish that he did not build or improve for the purpose of sale.

I HEREBY AFFIRM THAT I AM EXEMPT FROM THE CONTRACTORS' LICENSE LAW FOR THE FOLLOWING REASON: ____

I AM EXCLUSIVELY CONTRACTING WITH LICENSED CONTRACTORS to construct the project (Sec. 7044, Business and Professions Code). I AM ALSO EXEMPT FROM THE CONTRACTORS' LICENSE LAW FOR THE FOLLOWING REASON: ____

I AM EXCLUSIVELY CONTRACTING WITH LICENSED CONTRACTORS to construct the project (Sec. 7044, Business and Professions Code). I AM ALSO EXEMPT FROM THE CONTRACTORS' LICENSE LAW FOR THE FOLLOWING REASON: ____

I HEREBY DECLARE UNDER PENALTY OF PERJURY THAT THE ABOVE STATEMENTS ARE TRUE AND CORRECT AND I HEREBY AFFIRM THAT ALL WORK DONE SHALL COMPLY WITH THE LAWS OF THE CITY OF LA MESA AND THE STATE OF CALIFORNIA AND THAT ALL WORK MAY BE INSPECTED AT ANY TIME DURING NORMAL BUSINESS HOURS. I ALSO AGREE TO SAVE, INDEMNIFY AND KEEP HARMLESS THE CITY OF LA MESA AGAINST ALL LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE FROM THE GRANTING OF THIS PERMIT. Executed at La Mesa, California

[signature]

PERMITTEE'S SIGNATURE ____ DATE ____

ISSUED BY: E. Montero DATE 7-9-84 RECEIPT NO. 45354

THIS PERMIT AUTHORIZES ONLY THE WORK NOTED

JOB ADDRESS 7407 ALVARADO RD. OWNER COSGROVE PERMIT NO. 48454

DEPARTMENT OF BUILDING INSPECTION CITY OF LA MESA

PERMIT APPLICATION
PRINT ONLY — APPLICANT TO COMPLETE

JOB ADDRESS: 7401 Alvarado
OWNERS NAME: La Mesan Lodge
ADDRESS:
PHONE:

WORK TO BE DONE
Mobile Home Lot
Space 173

VALUATION

LAND AREA ____ SQ. FT.
AREA: NEW BLDG. ____ SQ. FT. NEW GARAGE ____ SQ. FT.
NO. UNITS ____ NO. STORIES ____

LEGAL DESCRIPTION
LOT ____ TRACT ____

ASSESSORS PARCEL NO.

CONTRACTOR
ADDRESS
PHONE
STATE LICENSE NO. ____ CLASS ____
CITY BUSINESS LICENSE #

ARCHITECT/DESIGNER
ADDRESS
PHONE

JOB ADDRESS 7401 Alvarado
PLAN FILE No. ____ P.C. PO'S ____ RECEIPT No. ____
CENSUS TRACT No. ____ OCCUPANCY ____ CLASS CODE ____
PLAN CHECK By ____ DATE ____
TYPE OF CONSTRUCTION ____
FIRE DEPT. ____ SPRINKLERED ____ DATE ____

FEES	PLAN CHECK	AREA	VALUATION	COMMENTS
35.00	5.00			

40.00	TOTAL FEE
	TOTAL FEE ELECT.
	TOTAL FEE MECHAN.
	TOTAL FEE PLUMB.
	TOTAL FEE SOLAR
	TOTAL FEE ENERGY
	TOTAL FEE PARKS
	MICROFILM
	STRONG MOTION FEE
	LATERAL
	CONNECTION
	SPECIAL CONNECTION - CITY
	SPECIAL FEE - (REFUND)
40.00	TOTAL FEES

CERTIFICATION OF WORKERS' COMPENSATION INSURANCE
Not applicable to permits of $100 value or less)

I HEREBY AFFIRM THAT I HAVE A CERTIFICATE OF CONSENT TO SELF-INSURE or a Certificate of Workers' Compensation Insurance, or a certified copy thereof (sec. 3800 Labor Code). POLICY NO. ____ EXPIRATION DATE ____ COMPANY ____
CERTIFIED COPY ON FILE CERTIFIED COPY HEREBY FURNISHED
EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED, I SHALL NOT EMPLOY ANY PERSON IN ANY MANNER SO AS TO BECOME SUBJECT TO THE WORKERS' COMPENSATION LAWS OF CALIFORNIA. I further understand that in the event I should become subject to said laws, this permit shall become null and void unless compliance is met.

CONSTRUCTION LENDING AGENCY
I HEREBY AFFIRM THAT THERE IS A CONSTRUCTION LENDING AGENCY providing funds for the performance of the work for which this permit is issued. (sec. 3097, Civil Code)
LENDERS NAME
LENDERS ADDRESS

BUSINESS AND PROFESSIONAL CODE CONTRACTORS' LICENSE LAW OWNER-BUILDER EXEMPTION
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I HEREBY AFFIRM THAT I AM EXEMPT FROM THE CONTRACTORS' LICENSE LAW FOR THE FOLLOWING REASON:
I AS OWNER OF THE PROPERTY, OR MY EMPLOYEES WITH WAGES AS THEIR SOLE COMPENSATION, WILL DO ALL THE WORK (B&PC sec. 7044).
I AM THE OWNER OF THE PROPERTY AND AM CONTRACTING WITH A LICENSED CONTRACTOR OF THE STATE OF CALIFORNIA QUALIFIED BY PROPER CLASSIFICATION TO DO THE WORK HEREIN DEFINED (B&PC sec. 7044).
I AM A HOMEOWNER PROPOSING IMPROVEMENTS ON MY OWN HOME IN PREPARATION FOR ITS SALE. I have resided in this residence as my principal place of residence for the past 12 months, or will have resided there for 12 months after improvements are completed. This is the first time I have applied for exemption or it has been at least three years since I applied for my last exemption (B&PC sec. 7044).
I FURTHER UNDERSTAND that within three years after completion, if upon complaint, or otherwise, the Registrar of the Contractors' State License Board has probable cause to believe or knows that I am in violation of the Contractor's License Law, I may be subject to citations of an amount up to three thousand dollars ($3000). (B&PC sec. 7028.9)
I HEREBY DECLARE UNDER PENALTY OF PERJURY THAT THE ABOVE STATEMENTS ARE TRUE AND CORRECT AND I HEREBY AFFIRM THAT ALL WORK DONE SHALL COMPLY WITH THE LAWS OF THE CITY OF LA MESA AND THE STATE OF CALIFORNIA AND THAT ALL WORK MAY BE INSPECTED AT ANY TIME DURING NORMAL BUSINESS HOURS. I ALSO AGREE TO SAVE INDEMNIFY AND KEEP HARMLESS THE CITY OF LA MESA AGAINST ALL LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE FROM THE GRANTING OF THIS PERMIT. Signature at La Mesa, California

PERMITTEE'S SIGNATURE ____ DATE ____

ISSUED BY: J Ross RECEIPT No. 43697
DATE 4-27-84

THIS PERMIT AUTHORIZES ONLY THE WORK NOTED

ENGINEERING
- ☐ YES HOLD FINAL INSPECTION
- ☐ YES GRADING PERMIT REQ'D.
- DISTANCE ____ FT. FACE CURB TO PL
- EXISTING SEWER LOCATION ____
- CHECKED ____ DATE ____

PLANNING
- ZONE ____ USE ____ HOLD FINAL ☐ NO
- FRONT ____ FT. INSPECTION ☐ YES
- REAR ____ FT. OFF ST. PK. NO. ____
- SIDE ____ FT. VARIANCE ____
- GARAGE ____ FT. DAB FILE No. ____
- CONDITIONS & REFERENCE

CHECKED ____ DATE ____

ORIGINAL-BUILDING DEPT.

JOB ADDRESS 7401 Alvarado
OWNER Mobile Acres
PERMIT No. 4697

DEPARTMENT OF BUILDING INSPECTION CITY OF LA MESA

PERMIT APPLICATION

PRINT ONLY — APPLICANT TO COMPLETE

JOB ADDRESS: 7401 Alvarado Rd.

OWNERS NAME:

ADDRESS: Space 176

PHONE: 463-3294

WORK TO BE DONE: Compliance insp. for mobile home as per Title 25

VALUATION:

LAND AREA ____ SQ. FT.

AREA: NEW BLDG. ____ SQ. FT. NEW GARAGE ____ SQ. FT.

NO. UNITS ____ NO. STORIES ____

LEGAL DESCRIPTION
LOT ____ TRACT ____

ASSESSORS PARCEL NO.

CONTRACTOR

ADDRESS ____ PHONE ____

STATE LICENSE NO. ____ CLASS ____

CITY BUSINESS LICENSE #

ARCHITECT/DESIGNER

ADDRESS

PHONE

JOB ADDRESS 7401 Alvarado Rd #176

PLAN FILE No. ____ P.C. PD $ ____ RECEIPT No. ____

CENSUS TRACT No. ____ OCCUPANCY ____ CLASS CODE ____

PLAN CHECK By ____ DATE ____

TYPE OF CONSTRUCTION ____

FIRE DEPT. ____ SPRINKLERED ____ DATE ____

FEES	PLAN CHECK	AREA	VALUATION	COMMENTS
80.00				

	TOTAL FEE
	TOTAL FEE ELECT.
	TOTAL FEE MECHAN.
	TOTAL FEE PLUMB.
	TOTAL FEE SOLAR
	TOTAL FEE ENERGY
	TOTAL FEE PARKS
	MICROFILM
	STRONG MOTION FEE
	LATERAL
	CONNECTION
	SPECIAL CONNECTION - CITY
	SPECIAL FEE - (REFUND)
80.00	TOTAL FEES

CERTIFICATION OF WORKERS COMPENSATION INSURANCE
(Not applicable to permits of $100 value or less)

☐ I HEREBY AFFIRM THAT I HAVE A CERTIFICATE OF CONSENT TO SELF-INSURE, or a Certificate of Workers' Compensation Insurance, or a certified copy thereof (sec. 3800 Labor Code). POLICY NO. ____ EXPIRATION DATE ____ COMPANY ____

☐ CERTIFIED COPY ON FILE ☐ CERTIFIED COPY HEREBY FURNISHED

EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

☐ I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED, I SHALL NOT EMPLOY ANY PERSON IN ANY MANNER SO AS TO BECOME SUBJECT TO THE WORKERS' COMPENSATION LAWS OF CALIFORNIA. I further understand that if I should become subject to said law, this permit shall become null and void until compliance is met.

CONSTRUCTION LENDING AGENCY

☐ I HEREBY AFFIRM THAT THERE IS A CONSTRUCTION LENDING AGENCY providing funds for the performance of the work for which this permit is issued. (sec. 3097, Civil Code)

LENDERS NAME

LENDERS ADDRESS

BUSINESS AND PROFESSIONAL CODE CONTRACTORS' LICENSE LAW OWNER-BUILDER EXEMPTION

NOTE: The Business and Professions Code section 7044 states that the Contractor's License Law does not apply to any owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale and will not be sold within one year after completion. If the building or improvements are sold within one year after completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

☐ I HEREBY AFFIRM THAT I AM EXEMPT FROM THE CONTRACTORS' LICENSE LAW FOR THE FOLLOWING REASON

☐ I, AS OWNER OF THE PROPERTY, OR MY EMPLOYEES WITH WAGES AS THEIR SOLE COMPENSATION, WILL DO ALL THE WORK (B&PC sec. 7044)

☐ I AM THE OWNER OF THE PROPERTY AND AM CONTRACTING WITH A LICENSED CONTRACTOR OF THE STATE OF CALIFORNIA QUALIFIED BY PROPER CLASSIFICATION TO DO THE WORK HEREIN DEFINED (B&PC sec. 7044)

☐ I AM A HOMEOWNER PROPOSING IMPROVEMENTS ON MY OWN HOME IN PREPARATION FOR ITS SALE. I have resided in this residence as my principal place of residence for the past 12 months, or will have resided there for 12 months after improvements are completed. This is the first time I have applied for exemption or it has been at least three years since I applied for my last exemption (B&PC sec. 7044)

☐ I FURTHER UNDERSTAND that within three years after completion, if upon complaint, or otherwise, the Registrar of the Contractors' State License Board has probable cause to believe or finds that I am in violation of the Contractor's License Law, I may be subject to citations of an amount up to three thousand dollars ($3000). (B&PC sec. 7028.7 and sec. 7028.9)

☐ I HEREBY DECLARE UNDER PENALTY OF PERJURY THAT THE ABOVE STATEMENTS ARE TRUE AND CORRECT AND I HEREBY AFFIRM THAT ALL WORK DONE SHALL COMPLY WITH THE LAWS OF THE CITY OF LA MESA AND THE STATE OF CALIFORNIA AND THAT ALL WORK MAY BE INSPECTED AT ANY TIME DURING NORMAL BUSINESS HOURS. I ALSO AGREE TO SAVE, INDEMNIFY AND KEEP HARMLESS THE CITY OF LA MESA AGAINST ALL LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE FROM THE GRANTING OF THIS PERMIT. Executed at La Mesa, California

X Bernard J. Kinney 7-13-84
PERMITTEE'S SIGNATURE — DATE

ISSUED BY: J Ross — DATE 7-13-84

RECEIPT No. 045429

THIS PERMIT AUTHORIZES ONLY THE WORK NOTED

ENGINEERING

☐ YES HOLD FINAL INSPECTION
☐ YES GRADING PERMIT REQ'D.

DISTANCE ____ FT. FACE CURB TO PL

EXISTING SEWER LOCATION

CHECKED ____ DATE ____

PLANNING

ZONE ____ USE ____ HOLD FINAL ☐ NO

FRONT ____ FT. INSPECTION ☐ YES

REAR ____ FT. OFF ST. PL. NO.

SIDE ____ FT. VARIANCE

GARAGE ____ FT. DAB FILE No.

CONDITIONS & REFERENCE

CHECKED ____ DATE ____

ORIGINAL-BUILDING DEPT.

JOB ADDRESS 7401 Alvarado Rd #176 OWNER Bernard J. Kinney PERMIT No. 45429

DEPARTMENT OF BUILDING INSPECTION CITY OF LA MESA

PERMIT APPLICATION

PRINT ONLY — APPLICANT TO COMPLETE

JOB ADDRESS: 7461 Alvarado Rd #103

OWNERS NAME: R.B. Cook

ADDRESS: La Mesa

PHONE: 463-7532

WORK TO BE DONE: 1050

Installation of spa

VALUATION: $1900.00

LAND AREA _____ SQ. FT.

AREA: NEW BLDG. _____ SQ. FT. NEW GARAGE _____ SQ. FT.

NO. UNITS _____ NO. STORIES _____

LEGAL DESCRIPTION

LOT _____ TRACT _____

Space #103

ASSESSORS PARCEL NO. _____

CONTRACTOR _____

ADDRESS _____

PHONE _____

STATE LICENSE NO. _____ CLASS _____

CITY BUSINESS LICENSE # _____

ARCHITECT/DESIGNER _____

ADDRESS _____

PHONE _____

ENGINEERING

EXISTING SEWER LOCATION ☐ YES ☐ NO

HOLD FINAL INSPECTION ☐ YES ☐ NO

GRADING PERMIT REQ'D. ☐ YES ☐ NO

ENCROACHMENT PERMIT REQ'D. ☐ YES ☐ NO

CONDITIONS & REFERENCE _____

CHECKED _____ DATE _____

PLANNING

ZONE _____ USE _____

FRONT _____ FT. INSPECTION ☐ YES

REAR _____ FT. OFF ST. PK. NO. _____

SIDE _____ FT. VARIANCE _____

GARAGE _____ FT. DAB FILE No. _____

CONDITIONS & REFERENCE:

CHECKED _____ DATE _____

PLAN FILE No. _____ P.C. PD $ _____ RECEIPT No. _____

CENSUS TRACT No. _____ OCCUPANCY _____

TYPE OF CONSTRUCTION _____

FIRE DEPT. _____ SPRINKLERED _____ DATE _____

FEES	PLAN CHECK	AREA	VALUATION	COMMENTS
31.50	20.00		$1900.00	PC

$51.50	TOTAL FEE
	TOTAL FEE ELECT.
	TOTAL FEE MECHAN.
	TOTAL FEE PLUMB.
	TOTAL FEE SOLAR
	TOTAL FEE ENERGY
	TOTAL FEE PARKS
	MICROFILM
	STRONG MOTION FEE
	LATERAL
	CONNECTION
	SPECIAL CONNECTION - CITY
	SPECIAL FEE - (REFUND)
51.00	TOTAL FEES

CERTIFICATION OF WORKERS' COMPENSATION INSURANCE
(NOT applicable to permits of $100 value or less)

☐ I HEREBY AFFIRM THAT I HAVE A CERTIFICATE OF CONSENT TO SELF-INSURE, or a Certificate of Workers' Compensation Insurance, or a certified copy thereof (sec. 3800 Labor Code). POLICY NO. _____ EXPIRATION DATE _____ COMPANY _____

☐ CERTIFIED COPY ON FILE ☐ CERTIFIED COPY HEREBY FURNISHED

EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

☐ I CERTIFY THAT IN THE PERFORMANCE OF THE WORK FOR WHICH THIS PERMIT IS ISSUED, I SHALL NOT EMPLOY ANY PERSON IN ANY MANNER SO AS TO BECOME SUBJECT TO THE WORKERS' COMPENSATION LAWS OF CALIFORNIA. I further understand that if I should become subject to said law, this permit shall become null and void unless I comply with the provisions of said law.

CONSTRUCTION LENDING AGENCY

☐ I HEREBY AFFIRM THAT THERE IS A CONSTRUCTION LENDING AGENCY providing funds for the performance of the work for which this permit is issued. (sec. 3097, Civil Code)

LENDER'S NAME _____

LENDER'S ADDRESS _____

BUSINESS AND PROFESSIONAL CODE CONTRACTORS' LICENSE LAW OWNER-BUILDER EXEMPTION

NOTE: The Business and Professions Code, section 7044, states that the Contractor's License Law does not apply to any owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that the improvements are not intended or offered for sale and will not be sold within one year after completion. If the building or improvements are sold within one year after completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.

☐ I HEREBY AFFIRM THAT I AM EXEMPT FROM THE CONTRACTORS' LICENSE LAW FOR THE FOLLOWING REASON:

☐ I AM OWNER OF THIS PROPERTY, OR MY EMPLOYEES WITH WAGES AS THEIR SOLE COMPENSATION, WILL DO ALL THE WORK. (B&PC sec. 7044)

☐ I AM THE OWNER OF THE PROPERTY AND AM CONTRACTING WITH A LICENSED CONTRACTOR OF THE STATE OF CALIFORNIA QUALIFIED BY PROPER CLASSIFICATION TO DO THE WORK HEREIN DEFINED (B&PC sec. 7044)

☐ I AM A HOMEOWNER PROPOSING IMPROVEMENTS ON MY OWN HOME IN PREPARATION FOR ITS SALE. I have resided in this residence as my principal place of residence for the past 12 months, or will have resided there for 12 months after improvements are completed. This is the first time I have applied for exemption or it has been at least three years since I applied for my last exemption. (B&PC sec. 7044)

☐ I FURTHER UNDERSTAND that within three years after completion, if upon complaint, or otherwise, the Registrar of the Contractors' State License Board has probable cause to believe or finds that I am in violation of the Contractor's License Law, I may be subject to citations of an amount up to three thousand dollars ($3000). (B&PC sec. 7028.7 and sec. 7028.15)

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R B Cook — 12/10/86

PERMITTEE'S SIGNATURE — DATE

ISSUED BY: _____ RECEIPT No. 62003

DATE 12-10-86

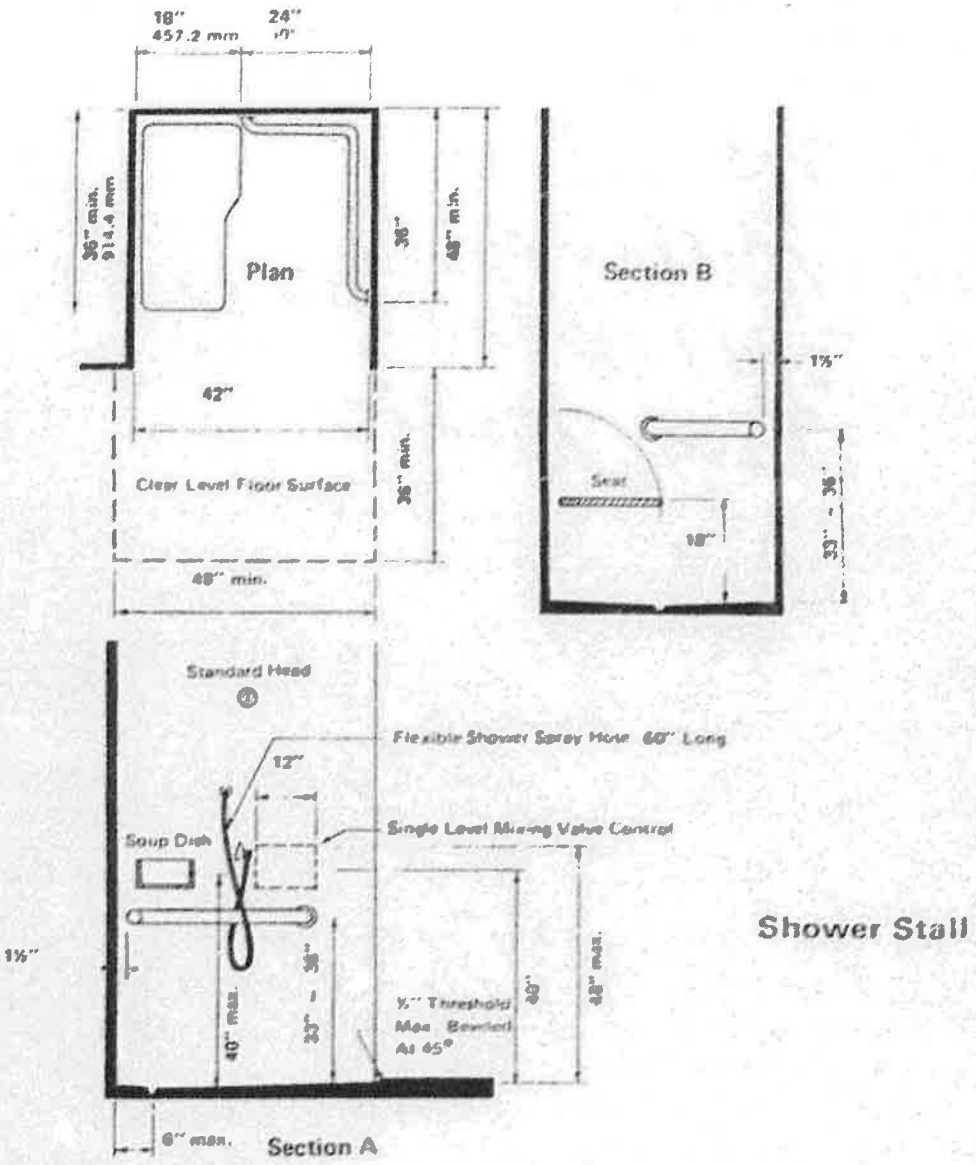
JOB ADDRESS: 7461 ALVARADO RD #103

OWNER: COOK

PERMIT No. 5082

ORIGINAL-BUILDING DEPT.

THIS PERMIT AUTHORIZES ONLY THE WORK HEREIN



Shower Stall

This section requires compartment showers to be accessible to wheelchair occupants. The shower described in this section would accommodate either a person who wishes to transfer to the shower seat or the individual who wishes to shower while remaining in a wheelchair.

CITY OF LA MESA

January 13, 1987

La Mesa Mobile Lodge
7407 Alvarado Road
La Mesa, CA 92041

RE: Amended Permit to Operate a Mobilehome Park.

Dear Sirs:

It has come to our attention that the La Mesa Mobile Lodge has recently changed ownership. Section 1014(2) of the State of California Administrative Code, Title 25 states that an amended permit to operate shall be required when there is any change in the information on the permit to operate. Changes in information shall include, but not limited to, change of name of ownership; limits of occupancy; or number of lots resulting from the sale, lease, construction, or alteration of existing lots or facilities. A fee of ($10.00) shall be submitted to the enforcement agency with each application to amend the permit to operate.

Kindly complete the enclosed form HCD500A and return it to this office with the applicable ($10.00) fee within 10 days of the date of receipt of this letter. Make checks payable to the City of La Mesa, Attn: Building Department.

Thank you for your cooperation in compliance to this matter.

Sincerely,

Michael Bouse

Michael Bouse
Chief Building Official

CITY OF LA MESA BUILDING DEPARTMENT

8130 Allison Ave. La Mesa, CA 92041 (619) 462-1393

APPLICATION & PERMIT

JOB ADDRESS: 7407 ALVARADO RD. | AV. ST. RD. | DATE OF APPLICATION: 5-6-88

LOT | BLOCK | SUBDIVISION | ASSESSOR PARCEL NO.

OWNER'S NAME: LAMESAN MOBILE PARK | OWNER'S PHONE

OWNER'S MAILING ADDRESS

DESCRIPTION OF WORK: MOHOME INSTALLATIONS
LOT 131

CONTRACTOR: GR[illegible]NS

CONTRACTOR: 792 [illegible] GROVE

DESIGNER'S NAME

DESIGNER'S ADDRESS

DESIGNER'S PHONE | STATE LICENSE NO.

BUSINESS LICENSE #: 4167 | VALUATION | PERMIT NUMBER: 60207

CONTRACTORS PHONE: 465-5543 | PLAN CHECK PAID | PLAN CHECK NO.

STATE LICENSE NO: 263290 | RECEIPT NO. | OCC GROUP / TYPE CONSTR. | PLANS EXAMINED

BUILDING SQ FOOTAGE

A.P.N. | CENSUS TRACT | LOT | DWELLING UNITS: EXISTING / PROPOSED / TOTAL | NO. STORIES | OCC. LOAD

PLANNING

ZONE ____ USE ____

FRONT ____ FT. | INSPECTION ☐ YES

REAR ____ FT. | OFF ST. PK. NO. ____

SIDE ____ FT. | VARIANCE ____

GARAGE ____ FT. | DAB FILE No. ____

CONDITIONS & REFERENCE ____

CHECKED BY ____ DATE ____

QTY.	PLUMBING PERMIT	
	EACH FIXTURE TRAP	
	EACH BUILDING SEWER	
	EACH WATER HEATER AND/OR VENT	
	EACH GAS SYSTEM 1 TO 4 OUTLETS	
	EACH GAS SYSTEMS 5 OR MORE	
	EACH INSTAL., ALTER, REPAIR WATER PIPE	
	EACH VACUUM BREAKER	
	WATER SOFTENER	
	EACH ROOF DRAIN (INSIDE)	
	OTHER (SPECIFY)	
	TOTAL PLUMBING	

QTY	MECHANICAL PERMIT	
	INSTALL FURN./DUCTS UP TO 100,000 BTU	
	OVER 100,000 BTU	
	BOILER/COMPRESSOR OVER 3 HP	
	BOILER/COMPRESSOR UP TO 3 HP	
	METAL FIREPLACE	
	VENT FAN SINGLE DUCT	
	MECH EXHAUST HOOD DUCTS	
	RELOCATION OF EA FURNACE/HEATER	
	DRYER VENT	
	OTHER (SPECIFY)	
	TOTAL MECHANICAL	

QTY.	ELECTRICAL PERMIT	
	NEW CONST. EA AMP/SWT/BKR	
	EXIST BLDG EA AMP/SWT/BKR/CKT	
	REMODEL CKT.	
	TEMP SERVICE (POWER POLE)	
	TEMP POWER PERM BASE	
	TOTAL ELECTRICAL	

ENGINEERING

HOLD FINAL INSPECTION ☐ YES ☐ NO

EXISTING SEWER LOCATION ☐ YES ☐ NO

GRADING PERMIT REQ'D ☐ YES ☐ NO

ENCROACHMENT PERMIT REQ'D ☐ YES ☐ NO

GRADING PERMIT ISSUED ☐ YES ☐ NO

CONDITIONS & REFERENCE ____

CHECKED BY ____ DATE ____

FIRE DEPT.

FIRE ____ SPRK ____ YES ☐ NO ☐

CONDITIONS ____

CHECKED BY ____ DATE ____

SUMMARY/ACCOUNT NUMBER

BUILDING PERMIT 1-4325	
PLAN CHECK DUE 1-4333	
PLUMBING 1-4327	
ELECTRICAL 1-4326	
MECHANICAL 1-4334	
ENERGY 1-4336	
SOLAR 1-4332	
STRONG MOTION 1-4340	
PARKS 51-4323	
MICRO FILM 1-4337	
LATERAL 12-4764	
CONNECTION 12-4764	
SPECIAL CONN -CITY 12-4764	
MOVING/DEMOLITION 1-4329	
GRADING 1-4330	
MOBILEHOME 1-4331	76.00
REFUNDABLE DEPOSIT 61-2666	
MISCELLANEOUS 1-4399	
TOTAL FEES PAYABLE	76.00

I HAVE CAREFULLY EXAMINED THE COMPLETED "APPLICATION AND PERMIT" AND DO HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT ALL INFORMATION HEREON INCLUDING THE DECLARATIONS ARE TRUE AND CORRECT AND I FURTHER CERTIFY AND AGREE IF A PERMIT IS ISSUED TO COMPLY WITH ALL CITY, COUNTY AND STATE LAWS GOVERNING BUILDING CONSTRUCTION WHETHER SPECIFIED HEREIN OR NOT. I ALSO AGREE TO SAVE INDEMNIFY AND KEEP HARMLESS THE CITY OF LA MESA AGAINST ALL LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY IN CONSEQUENCE OF THE GRANTING OF THIS PERMIT.

Expiration. Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. All permits expire 18 months from the date of issuance.

APPLICANT'S SIGNATURE [signature] 5/6/88 | OWNER ☐ CONTRACTOR ☐

FINANCE DEPARTMENT VALIDATION

72538 INITIAL [initials]

APPROVED BY [signature] DATE 5-6-88

CITY OF LA MESA

NOTICE AND ORDER

January 18, 1988

Billings and Kuntzel
3755 Avocado Boulevard
La Mesa, California 92041

RE: Unauthorized alterations and Additions to Property Location at 7407 Alvarado Road, La Mesa, California 92041.

Dear Gentlemen:

It has come to the attention of the Building Inspection Department that unauthorized construction is in progress at the above referenced property.

On January 11, 1988, an inspection of the above referenced property resulted in the following findings:

Alterations to an existing metal building located at the southern portion of the property is currently under construction without a required building permit or inspection approval. (Uniform Building Code 1982 Edition, Section 301(a) and 305(e).

Section 205 of the Uniform Building Code (1982 Edition), and the City of La Mesa Municipal Code Chapter 14.04.060, provides that it is unlawful for any building or structure regulated by this code to be erected, constructed, enlarged, altered, etc., unless a building permit is first obtained.

E BALL POINT PEN ONLY & PRESS HARD

APPLICANT TO FILL IN INFORMATION WITHIN SHADED AREA AND DECLARATIONS.

CITY OF LA MESA BUILDING DEPARTMENT

8130 Allison Ave. La Mesa, CA 92041 (619) 462-3193

APPLICATION & PERMIT

ADDRESS 7407 ALVARADO RD.			DATE OF APPLICATION 11-13-90	BUSINESS LICENSE #	VALUATION
PERMIT NUMBER 64737					
BLOCK	SUBDIVISION	ASSESSOR PARCEL NO.	CONTRACTOR'S NAME	CONTRACTORS PHONE #	PLAN CHECK PAID / RECEIPT NO.
PLAN CHECK NO.					
OWNER'S NAME Cumberland, INC.		OWNER'S PHONE 582-1800	CONTRACTOR'S ADDRESS	STATE LICENSE NO.	OCC GROUP TYPE CONSTR
PLANS EXAMINER					
OWNER'S MAILING ADDRESS 6828 Federal BLVD 15mm CRNE 92045			DESIGNER'S NAME		BUILDING SQ FOOTAGE
DESCRIPTION OF WORK Centerbrook Plumbing Repair REPAIR TO EXISTING REST ROOM.			DESIGNER'S ADDRESS		
			DESIGNER'S PHONE	STATE LICENSE NO	

A.P.N.	CENSUS TRACT	LOT	DWELLING UNITS EXISTING	PROPOSED	TOTAL	NO. STORIES	OCC. LOAD

PLANNING

ZONE ____ USE ____

FRONT ____ FT. INSPECTION ☐ YES

REAR ____ FT. OFF ST. PK. NO ____

SIDE ____ FT. VARIANCE ____

GARAGE ____ FT. DAB FILE No. ____

CONDITIONS & REFERENCE ____

CHECKED BY ____ DATE ____

QTY.	PLUMBING PERMIT	
18.00	EACH FIXTURE TRAP	
1	EACH BUILDING SEWER	3.00
	EACH WATER HEATER AND/OR VENT	
	EACH GAS SYSTEM 1 TO 4 OUTLETS	
	EACH GAS SYSTEMS 5 OR MORE	
	EACH INSTAL., ALTER, REPAIR WATER PIPE	
	EACH VACUUM BREAKER	
	WATER SOFTENER	
	EACH ROOF DRAIN (INSIDE)	
	OTHER (SPECIFY) REPAIR	3.00
	TOTAL PLUMBING	24.00

QTY.	MECHANICAL PERMIT
	INSTALL FURN/DUCTS UP TO 100,000 BTU
	OVER 100,000 BTU
	BOILER/COMPRESSOR OVER 3 HP
	BOILER/COMPRESSOR UP TO 3 HP
	METAL FIREPLACE
	VENT FAN SINGLE DUCT
	MECH EXHAUST HOOD DUCTS
	RELOCATION OF EA FURNACE/HEATER
	DRYER VENT
	OTHER (SPECIFY)
	TOTAL MECHANICAL

QTY.	ELECTRICAL PERMIT
	NEW CONST. EA AMP/SWT/BKR
	EXIST BLDG EA AMP/SWT/BKR/CKT
	REMODEL/CKT
	TEMP SERVICE (POWER POLE)
	TEMP POWER PERM BASE
	TOTAL ELECTRICAL

ENGINEERING

HOLD FINAL INSPECTION	☐ YES ☐ NO
EXISTING SEWER LOCATION	☐ YES ☐ NO
GRADING PERMIT REQ'D	☐ YES ☐ NO
ENCROACHMENT PERMIT REQ'D	☐ YES ☐ NO
GRADING PERMIT ISSUED	☐ YES ☐ NO

CONDITIONS & REFERENCE ____

CHECKED BY ____ DATE ____

SUMMARY/ACCOUNT NUMBER

BUILDING PERMIT 1-4325	
PLAN CHECK DUE 1-4333	
PLUMBING 1-4327	24.00
ELECTRICAL 1-4326	
MECHANICAL 1-4324	
ENERGY 1-4336	
SOLAR 1-4332	
STRONG MOTION 1-4340	1.00
PARKS 51-4323	
MICRO FILM 1-4337	5.00
LATERAL 12-4764	
CONNECTION 12-4764	
SPECIAL CONN CITY 12-4764	
MOVING/DEMOLITION 1-4329	
GRADING 1-4330	
MOBILEHOME 1-4331	
REFUNDABLE DEPOSIT 61-2686	
MICELLANEOUS 1-4399	
TOTAL FEES PAYABLE	29.00

FIRE DEPT.

FIRE ____ SPRK ____ YES ☐ NO ☐

CONDITIONS ____

CHECKED BY ____ DATE ____

I HAVE CAREFULLY EXAMINED THE COMPLETED "APPLICATION AND PERMIT" AND DO HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT ALL INFORMATION HEREON INCLUDING THE DECLARATIONS ARE TRUE AND CORRECT AND I FURTHER CERTIFY AND AGREE IF A PERMIT IS ISSUED, TO COMPLY WITH ALL CITY, COUNTY AND STATE LAWS GOVERNING BUILDING CONSTRUCTION, WHETHER SPECIFIED HEREIN OR NOT. I ALSO AGREE TO SAVE INDEMNIFY AND KEEP HARMLESS THE CITY OF LA MESA AGAINST ALL LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY IN CONSEQUENCE OF THE GRANTING OF THIS PERMIT.

Expiration. Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days (Prior to the issuance of the certificate of occupancy, or 18 months from the date of issuance.

APPLICANT'S SIGNATURE ____ OWNER ☐ CONTRACTOR ☐

FINANCE DEPARTMENT VALIDATION

93.266 ____ INITIAL

APPROVED BY Issued ____ DATE 11-13-90

White — Address File Gold — Record File Green — Finance Yellow — Assessor Pink — Applicant

USE BALL POINT PEN ONLY & PRESS HARD

APPLICANT TO FILL IN INFORMATION WITHIN SHADED AREA AND DECLARATIONS.

CITY OF LA MESA BUILDING DEPARTMENT

8130 Allison Ave. La Mesa, CA 92041 (619) 462-3193

APPLICATION & PERMIT

JOB ADDRESS / AV. ST. RD.: 7407 ALVARADO ROAD	DATE OF APPLICATION: 1/31/90	BUSINESS LICENSE #: N/A Ruth	VALUATION: Est. $8,000.00
		CONTRACTORS PHONE #	PLAN CHECK PAID: 60.17 / RECEIPT NO.
LOT / BLOCK / SUBDIVISION / ASSESSOR PARCEL NO.	CONTRACTOR'S NAME: Owner/Builder		
OWNER'S NAME: Camperland (La Mesa Lodge)	OWNER'S PHONE: ~~582-1900~~ 469-4487	CONTRACTOR'S ADDRESS	STATE LICENSE NO.
OWNER'S MAILING ADDRESS	DESIGNER'S NAME		OCC GROUP TYPE CONSTR: R3 VN
DESCRIPTION OF WORK: Remodel existing residence: First floor park use, second floor residential. (No additional space).	DESIGNER'S ADDRESS		
	DESIGNER'S PHONE / STATE LICENSE NO.		

PERMIT NUMBER	PLAN CHECK NO.	PLANS EXAMINER	BUILDING SQ FOOTAGE
63729	5814	B. James	Remodel

A.P.N.	CENSUS TRACT	LOT	DWELLING UNITS EXISTING	PROPOSED	TOTAL	NO. STORIES	OCC LOAD

PLANNING

ZONE CM-F-D USE RES/REC

FRONT ____ FT. REAR ____ FT. SIDE ____ FT. GARAGE ____ FT.

INSPECTION ☐ YES

OFF ST. PK. NO ____ VARIANCE ____ DAB FILE No. ____

CONDITIONS & REFERENCE 1ST FLOOR REC ROOM 2ND FLOOR & MANAGER'S UNIT

CHECKED BY B Rollins DATE 3/20/90

QTY.	PLUMBING PERMIT		18.00
	EACH FIXTURE TRAP		
	EACH BUILDING SEWER		
	EACH WATER HEATER AND/OR VENT		
	EACH GAS SYSTEM 1 TO 4 OUTLETS		
	EACH GAS SYSTEMS 5 OR MORE		
	EACH INSTAL., ALTER, REPAIR WATER PIPE		
	EACH VACUUM BREAKER		
	WATER SOFTENER		
	EACH ROOF DRAIN (INSIDE)		
1	OTHER (SPECIFY): REMODEL	3.00	
	TOTAL PLUMBING	21.00	

QTY.	MECHANICAL PERMIT		18.00
	INSTALL FURN/DUCTS UP TO 100,000 BTU		
	OVER 100,000 BTU		
	BOILER/COMPRESSOR OVER 3 HP		
	BOILER/COMPRESSOR UP TO 3 HP		
	METAL FIREPLACE		
	VENT FAN SINGLE DUCT		
	MECH EXHAUST HOOD DUCTS		
	RELOCATION OF EA FURNACE/HEATER		
	DRYER VENT		
1	OTHER (SPECIFY): REMODEL	10.50	
	TOTAL MECHANICAL	28.50	

QTY.	ELECTRICAL PERMIT		18.00
	NEW CONST. EA AMP/SWT/BKR		
	EXIST BLDG EA AMP/SWT/BKR/CKT		
1	REMODEL ~~CKT~~	6.00	
	TEMP SERVICE (POWER POLE)		
	TEMP POWER PERM BASE		
	TOTAL ELECTRICAL	24.00	

ENGINEERING

HOLD FINAL INSPECTION	☐ YES	☑ NO
EXISTING SEWER LOCATION	☑ YES	☐ NO
GRADING PERMIT REQ'D	☐ YES	☑ NO
ENCROACHMENT PERMIT REQ'D	☐ YES	☑ NO
GRADING PERMIT ISSUED	NA	☐ YES ☐ NO

CONDITIONS & REFERENCE

CHECKED BY L-LW DATE 2-7-90

FIRE DEPT. FIRE ☐ SPRK. YES ☐ NO ☐

CONDITIONS:

CHECKED BY: [signature] DATE: 2-6-90

SUMMARY/ACCOUNT NUMBER

BUILDING PERMIT 1-4325	122.25
PLAN CHECK DUE 1-4333	79.46
PLUMBING 1-4327	21.00
ELECTRICAL 1-4326	24.00
MECHANICAL 1-4334	28.50
ENERGY 1-4336	
SOLAR 1-4332	
STRONG MOTION 1-4340	
PARKS 51-4323	
MICRO FILM 1-4337	11.00
LATERAL 12-4764	
CONNECTION 12-4764	
SPECIAL CONN.-CITY 12-4764	
MOVING/DEMOLITION 1-4329	
GRADING 1-4330	
MOBILEHOME 1-4331	
REFUNDABLE DEPOSIT 61-2686	
MICELLANEOUS 1-4399	
PLANNING PC 1-4342	1.59
" INSP. 1-4342	2.45
TOTAL FEES PAYABLE	290.25

I HAVE READ AND UNDERSTAND THE CONTENTS OF THIS APPLICATION AND PERMIT AND DO HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT ALL INFORMATION HEREON INCLUDING THE DECLARATIONS ARE TRUE AND CORRECT AND FURTHER CERTIFY AND AGREE IF A PERMIT IS ISSUED TO COMPLY WITH ALL CITY, COUNTY AND STATE LAWS GOVERNING BUILDING CONSTRUCTION WHETHER SPECIFIED HEREIN OR NOT. I ALSO AGREE TO SAVE, INDEMNIFY AND KEEP HARMLESS THE CITY OF LA MESA AGAINST ALL LIABILITIES, JUDGMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY IN CONSEQUENCE OF THE GRANTING OF THIS PERMIT.

Expiration. Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days (Sec. 106.4.3 Uniform Building Code). Before such work can be recommenced, a new permit shall be first obtained and the fee therefor shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work, and provided further that such suspension or abandonment has not exceeded one year. In order to renew action on an application after expiration, the applicant shall resubmit plans and pay a new plan checking fee.

APPLICANT'S SIGNATURE [signature] OWNER ☑ CONTRACTOR ☐

FINANCE DEPARTMENT VALIDATION

87801 INITIAL RM

APPROVED BY Lucy Cogswell DATE 3-22-90

White — Address File Gold — Record File Green — Finance Yellow — Assessor Pink — Applicant

USE BALL POINT PEN ONLY & PRESS HARD

APPLICANT TO FILL IN INFORMATION WITHIN SHADED AREA AND DECLARATIONS.

CITY OF LA MESA BUILDING DEPARTMENT

8130 Allison Ave. La Mesa, CA 92041 (619) 462-3193

APPLICATION & PERMIT

JOB ADDRESS: 7407 ALVARADO RD. (AV. ST. RD)

DATE OF APPLICATION: 1-12-90

BUSINESS LICENSE #:

VALUATION:

PERMIT NUMBER: 63418

LOT | BLOCK | SUBDIVISION | ASSESSOR PARCEL NO.: 474-690-20

CONTRACTOR'S NAME: OWNER

CONTRACTORS PHONE #:

PLAN CHECK PAID | RECEIPT NO.

PLAN CHECK NO.

OWNER'S NAME: LA MESAN MOBILE LODGE | OWNER'S PHONE

CONTRACTOR'S ADDRESS

STATE LICENSE NO.

OCC GROUP TYPE CONSTR

PLANS EXAMINER

OWNER'S MAILING ADDRESS: CAMPERLAND 6828 FESEAN, LEMON GROVE

DESIGNER'S NAME

BUILDING SQ FOOTAGE

DESCRIPTION OF WORK: REPLACE POTABLE WATER SYSTEM UNDERGROUND. AREA #21 UNITS 149-158.

DESIGNER'S ADDRESS

DESIGNER'S PHONE | STATE LICENSE NO.

PLANNING

ZONE ____ USE ____

FRONT ____ FT. | INSPECTION ☐ YES

REAR ____ FT. | OFF ST. PK. NO. ____

SIDE ____ FT. | VARIANCE ____

GARAGE ____ FT. | DAB FILE No. ____

CONDITIONS & REFERENCE ____

CHECKED BY ____ DATE ____

APN	CENSUS TRACT	LOT	DWELLING UNITS EXISTING	PROPOSED	TOTAL	NO. STORIES	OCC. LOAD

QTY.	PLUMBING PERMIT	
		18.00
	EACH FIXTURE TRAP	
	EACH BUILDING SEWER	
	EACH WATER HEATER AND/OR VENT	
	EACH GAS SYSTEM 1 TO 4 OUTLETS	
	EACH GAS SYSTEMS 5 OR MORE	
1	EACH INSTAL., ALTER, REPAIR WATER PIP (18)	54.00
	EACH VACUUM BREAKER	
	WATER SOFTENER	
	EACH ROOF DRAIN (INSIDE)	
	OTHER (SPECIFY)	
	TOTAL PLUMBING	72.00

QTY.	MECHANICAL PERMIT
	INSTALL FURN/DUCTS UP TO 100,000 BTU
	OVER 100,000 BTU
	BOILER/COMPRESSOR OVER 3 HP
	BOILER/COMPRESSOR UP TO 3 HP
	METAL FIREPLACE
	VENT FAN SINGLE DUCT
	MECH EXHAUST HOOD DUCTS
	RELOCATION OF EA FURNACE/HEATER
	DRYER VENT
	OTHER (SPECIFY)
	TOTAL MECHANICAL

QTY.	ELECTRICAL PERMIT
	NEW CONST EA AMP/SWT/BKR
	EXIST BLDG EA AMP/SWT/BKR/CKT
	REMODEL/CKT
	TEMP SERVICE (POWER POLE)
	TEMP POWER PERM BASE
	TOTAL ELECTRICAL

ENGINEERING

HOLD FINAL INSPECTION	☐ YES ☐ NO
EXISTING SEWER LOCATION	☐ YES ☐ NO
GRADING PERMIT REQ'D	☐ YES ☐ NO
ENCROACHMENT PERMIT REQ'D	☐ YES ☐ NO
GRADING PERMIT ISSUED	☐ YES ☐ NO

CONDITIONS & REFERENCE ____

CHECKED BY ____ DATE ____

FIRE DEPT.

FIRE | SPRK | YES ☐ NO ☐

CONDITIONS ____

CHECKED BY ____ DATE ____

SUMMARY/ACCOUNT NUMBER

BUILDING PERMIT 1-4325	
PLAN CHECK DUE 1-4333	
PLUMBING 1-4327	72.00
ELECTRICAL 1-4326	
MECHANICAL 1-4334	
ENERGY 1-4336	
SOLAR 1-4332	
STRONG MOTION 1-4340	
PARKS 51-4323	
MICRO FILM 1-4337	7.00
LATERAL 12-4764	
CONNECTION 12-4764	
SPECIAL CONN-CITY 12-4764	
MOVING/DEMOLITION 1-4329	
GRADING 1-4330	
MOBILEHOME 1-4331	
REFUNDABLE DEPOSIT 61-2686	
MICELLANEOUS 1-4399	
TOTAL FEES PAYABLE	$79.00

I HAVE CAREFULLY EXAMINED THE COMPLETED "APPLICATION AND PERMIT" AND DO HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT ALL INFORMATION HEREON INCLUDING THE DECLARATIONS ARE TRUE AND CORRECT AND I FURTHER CERTIFY AND AGREE IF A PERMIT IS ISSUED, TO COMPLY WITH ALL CITY, COUNTY AND STATE LAWS GOVERNING BUILDING CONSTRUCTION, WHETHER SPECIFIED HEREIN OR NOT; I ALSO AGREE TO SAVE INDEMNIFY AND KEEP HARMLESS THE CITY OF LA MESA AGAINST ALL LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY IN CONSEQUENCE OF THE GRANTING OF THIS PERMIT.

Expiration. Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void, if the building or work authorized by such permit is not commenced within 180 days from the date of such permit, and the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 180 days. Permits expire 18 months from the date of issuance.

1-12-90

APPLICANT'S SIGNATURE | OWNER ☐ CONTRACTOR ☐

FINANCE DEPARTMENT VALIDATION

86312 INITIAL

APPROVED BY: Bill Jones DATE: 1-12-90

White — Address File | Gold — Record File | Green — Finance | Yellow — Assessor | Pink — Applicant

USE BALL POINT PEN ONLY & PRESS HARD

APPLICANT TO FILL IN INFORMATION WITHIN SHADED AREA AND DECLARATIONS.

CITY OF LA MESA BUILDING DEPARTMENT

8130 Allison Ave. La Mesa, CA 91941 (619) 462-3193

APPLICATION & PERMIT

Nº 69967

JOB ADDRESS: 7407 ALVARADO RD SP: 153

DATE OF APPLICATION: 1-26-95

LOT | BLOCK | SUBDIVISION | ASSESSOR PARCEL NO

CONTRACTOR'S NAME: OWNER

OWNER'S NAME: DANA WILLIAMS

OWNER'S PHONE

CONTRACTOR'S ADDRESS, CITY, STATE, ZIP

OWNER'S MAILING ADDRESS

DESIGNER'S NAME

DESCRIPTION OF WORK: ADDITION TO MOBILE HOME 168 ☐

DESIGNER'S ADDRESS, CITY, STATE, ZIP

DESIGNER'S PHONE | STATE LICENSE NO

REVISION TO PERMIT # 68889

DWELLING UNITS PROPOSED: EXIST / TOTAL | OCC. LOAD NO. STORIES

BUSINESS LICENSE # | VALUATION | PERMIT NUMBER [redacted]

CONTRACTORS PHONE # | PLAN CHECK PAID / RECEIPT NO | PLAN CHECK NO

STATE LICENSE NO | OCC GROUP TYPE CONSTR | PLANS EXAMINER

BUILDING SQ FOOTAGE: ROOM ADD 168 ☐

PLANNING

ZONE _____ USE _____

FRONT _____ FT.

REAR _____ FT.

SIDE _____ FT.

GARAGE _____ FT.

HOLD FINAL INSPECTION ☐ YES

OFF ST. PK. NO. _____

VARIANCE _____

DAB FILE No. _____

CONDITIONS & REFERENCE: _____

CHECKED BY: _____ DATE: _____

QTY.	PLUMBING PERMIT	
	EACH FIXTURE TRAP	
	EACH BUILDING SEWER	
	EACH WATER HEATER AND/OR VENT	
	EACH GAS SYSTEM 1 TO 4 OUTLETS	
	EACH GAS SYSTEMS 5 OR MORE	
	EACH INSTAL., ALTER, REPAIR WATER PIPE	
	EACH VACUUM BREAKER	
	WATER SOFTENER	
	EACH ROOF DRAIN (INSIDE)	
	OTHER (SPECIFY):	
	TOTAL PLUMBING	

QTY.	MECHANICAL PERMIT	
	INSTALL FURN/DUCTS UP TO 100,000 BTU	
	OVER 100,000 BTU	
	BOILER/COMPRESSOR OVER 3 HP	
	BOILER/COMPRESSOR UP TO 3 HP	
	METAL FIREPLACE	
	VENT FAN SINGLE DUCT	
	MECH EXHAUST HOOD DUCTS	
	RELOCATION OF EA FURNACE/HEATER	
	DRYER VENT	
	OTHER (SPECIFY):	
	TOTAL MECHANICAL	

QTY.	ELECTRICAL PERMIT	
	NEW CONST. EA AMP/SWT/BKR	
	EXIST BLDG EA AMP/SWT/BKR/CKT	
	REMODEL/CKT	
	TEMP SERVICE (POWER POLE)	
	TEMP POWER PERM BASE	
	TOTAL ELECTRICAL	

ENGINEERING

HOLD FINAL INSPECTION ☐ YES ☐ NO

EXISTING SEWER LOCATION ☐ YES ☐ NO

GRADING PERMIT REQ'D ☐ YES ☐ NO

ENCROACHMENT PERMIT REQ'D ☐ YES ☐ NO

GRADING PERMIT ISSUED ☐ YES ☐ NO

CONDITIONS & REFERENCE: _____

CHECKED BY: _____ DATE: _____

FIRE DEPT.

FIRE SPRK YES ☐ NO ☐

CONDITIONS: _____

CHECKED BY: _____ DATE: _____

SUMMARY/ACCOUNT NUMBER

BUILDING PERMIT 1-4325	76.60
PLAN CHECK DUE 1-4333	
PLUMBING 1-4327	
ELECTRICAL 1-4326	18.00
MECHANICAL 1-4334	
ENERGY 1-4336	
DISABLED 1-4344	
STRONG MOTION 1-4340	
PARKS 325-4323	
MICRO FILM 1-4337	
LATERAL 140-4764	
CONNECTION 140-4764	
MOVING/DEMOLITION 1-4329	
GRADING 1-4330	
MOBILEHOME 1-4331	
REFUNDABLE DEPOSIT 620-2686	
MICELLANEOUS 1-4399	
PLANNING FEE 1-4342	
FIRE FEE 1-4343	
ENGINEERING 1-4761	
TOTAL PLANCHECK PAID $	PERMIT FEES DUE $ 94.60

I HAVE CAREFULLY EXAMINED THE COMPLETED "APPLICATION AND PERMIT" AND DO HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT ALL INFORMATION HEREON INCLUDING THE DECLARATIONS ARE TRUE AND CORRECT AND I FURTHER CERTIFY AND AGREE IF A PERMIT IS ISSUED, TO COMPLY WITH ALL CITY, COUNTY AND STATE LAWS GOVERNING BUILDING CONTRUCTION, WHETHER SPECIFIED HEREIN OR NOT. I ALSO AGREE TO SAVE INDEMNIFY AND KEEP HARMLESS THE CITY OF LA MESA AGAINST ALL LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY IN CONSEQUENCE OF THE GRANTING OF THIS PERMIT.

Expiration: Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within one calendar year from the date of such permit, or if the building or work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of 6 calendar months, or if the building or work authorized by such permit exceeds 3 calendar years from the date of the permit.

Gail Pogue

APPLICANT'S SIGNATURE OWNER ☐ CONTRACTOR ☐

FINANCE DEPARTMENT VALIDATION

129364 INITIAL

APPROVED BY B. L. Michna DATE 2/27/95

City of La Mesa Building Department

BLDG

Address: 7407 ALVARADO RD LMSA
Location:
Parcel #: 469-021-0100

Permit #: B99-485
Issued: 10/28/1999
Status: **FINAL**

Description: **ELEC REPAIR,MISC SEWER/WATER PER LTR 10-28-99**

Item: 01000 PROGRESS INSPECTION
Item: 04110 BLDG-FOOTINGS/REINFORCEMENT
Item: 04120 BLDG-SLAB
Item: 04130 BLDG-STEEL/BONDING
Item: 04210 BLDG-EXTERIOR WALL CONST
Item: 04220 BLDG-FLOOR SHEATH
Item: 04230 BLDG-ROOF SHEATH
Item: 04240 BLDG-INSULATION INSPECTION
Item: 04250 BLDG-INSULATION CERTIFICATE
Item: 04260 BLDG-INTERIOR WALL CONST
Item: 04270 BLDG-T-BAR
Item: 04280 BLDG-FLOOR SYSTEM(S)
Item: 04290 BLDG-ROOF SYSTEM
Item: 04310 BLDG-PRE-ROOFING
Item: 04330 BLDG-EXTERIOR LATH
Item: 04340 BLDG-DRYWALL
Item: 04350 BLDG-DRAFT STOP(S)
Item: 04360 BLDG-GROUT LIFT
Item: 04370 BLDG-FENCE/GATE(S)
Item: 04410 TITLE 24 HANDICAP
Item: 04420 BLDG-TITLE 24 ENERGY
Item: 04500 BLDG-FINAL APPROVAL
Item: 05100 FINAL ACTIVITY
01/09/2001 By: as Action: AP Comments: code enforcement closed

CITY OF LA MESA

8130 ALLISON AVENUE
LA MESA, CA 91941
(619) 667-1176
Community Development Department
Building Division

FINAL

FEB 14 2000

CITY OF LA MESA

COMBO BUILDING PERMIT

PERMIT #: B99-447

Address: 7407 ALVARADO RD
Location:
Parcel #: 469-021-0100
Subdivision: Lot/Block:

Status: ISSUED
Issued: 10/12/1999

APPLICANT R.V. COMMUNITIES, LLC
7855 HERSCHEL AVE #201, LA JOLLA CA 92037
Phone: 858-456-9201

OWNER R.V. COMMUNITIES, LLC
7855 HERSCHEL AVE #201, LA JOLLA CA 92037
Phone: 858-456-9201

Permit Type: MULTI FAMILY ALTERATION

Description of Work:
BATH REMODEL,REROOFS,STAIRS, MISC WALLS/WINDOWS,
LIGHTING, FIXTURES, STUCCO, A/C WITH GAS LINE

Bldg Sq Ft: Occ Group: Type Const:
Valuation: 45,000.00

Zoning: Use:
Setbacks Front: Side: Rear: Total Units on Prop:
Garage: Parking Required: Provided:
File Reference:
Comments:

FEE SUMMARY

Total Permit Fee.....:	1,344.89
Total Payments.....:	1,344.89
Balance Due.....:	.00

Expiration: Every permit issued by the Building Official under the provisions of this Code shal expire by limitation and become null and void if the building or work authorized by such permi is not commenced within one calendar year from the date of such permit, or if the building o work authorized by such permit is stopped at any time after the work is commenced for a period of 6 calendar months, or if the building or work authorized by such permit exceeds 3 calendar years from the issuance date of the permit - L.M.M.C. Sec. 14.11.050

THIS IS TO CERTIFY THAT INSULATION HAS BEEN INSTALLED IN CONFORMANCE WITH THE CURRENT ENERGY REGULATIONS, CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, STATE OF CALIFORNIA, IN THE BUILDING LOCATED AT:

A & I DEVELOPMENT, INC. "CAMPERLAND-BILLIARDSS/RESTROOM

SITE ADDRESS: 7407 ALVARADO CANYON ROAD LA MESA CA
(CITY) (STATE)

AIR INFILTRATION:

MANUFACTURE: W.R. GRACE

ROOF / BLOW:

MANUFACTURER: MANVILLE

THICKNESS: 6 1/2" R-VALUE: R-19

GARAGE CEILING:

BATTS: MANUFACTURE: MANVILLE

THICKNESS: R-VALUE:

EXTERIOR WALLS:

BATTS: MANUFACTURE: MANVILLE

THICKNESS: 3 1/2" R-VALUE: R-13

GENERAL CONTRACTOR: A & I DEVELOPMENT INC LIC. #

TITLE: DATE:

INSULATION CONTRACT WESTERN INSULATION, INC. 491278

Rosanne Williams-Durein
ROSANNE WILLIAMS-DUREIN TITLE: Authorized Agent DATE: 12/2/99

TOTAL P.01

CITY OF LA MESA BUILDING DEPARTMENT
COMBO BUILDING PERMIT PERMIT #: B00-026

Address: 7407 ALVARADO RD
Location: 7407 ALVARADO RD
Parcel #: 469-021-0100

Status: FINAL
Issued: 01/25/2000

INSPECTION HISTORY

Item: 01000 PROGRESS INSPECTION
Item: 01050 ROUGH FRAMING,ELEC,MECH,PLUMB
Item: 01110 PLMG-BLDG DRAINS (UG)
Item: 01120 PLMG-WTR SUPPLY (UG)
Item: 01130 PLMG-BLDG SEWER (UG)
Item: 01210 PLMG-D/W/V PIPING
Item: 01220 PLMG-WTR SUPPLY (AG)
Item: 01230 PLMG-LP GAS PIPING
02/16/2000 DMD Action: APPR APPROVED
Item: 01310 PLMG-MP GAS PIPING
Item: 01410 PLMG-WATER HEATER
Item: 01420 PLMG-GAS MTR CLEARANCE
Item: 01500 PLMG-FINAL APPROVAL
03/02/2000 DMD Action: APPR APPROVED
Item: 02110 MECH-DUCTS/PLENUMS (UG)
Item: 02210 MECH-DUCTS/PLENUMS (AG)
Item: 02220 MECH-COMBUSTION VENTS
Item: 02310 MECH-WALL FURNACES
Item: 02320 MECH-VENT SUPPLY
Item: 02330 MECH-VENT EXHAUST
Item: 02410 MECH-FURNACES (FAU)
Item: 02500 MECH-FINAL APPROVAL
Item: 03110 ELEC-CONDUIT/CABLES (UG)
02/16/2000 DMD Action: APPR APPROVED
Item: 03120 ELEC-GROUNDING
Item: 03210 ELEC-CONDUITS/CABLES (AG)
Item: 03220 ELEC-ROUGH WIRING
02/16/2000 DMD Action: APPR APPROVED
Item: 03230 ELEC-SERVICE PANEL
Item: 03310 ELEC-SUBPANELS
Item: 03320 ELEC-TEMPORARY POWER
Item: 03410 ELEC-SIGNS
Item: 03420 ELEC-METER CLEARANCE
Item: 03500 ELEC-FINAL APPROVAL
03/02/2000 DMD Action: APPR APPROVED
Item: 04110 BLDG-FOOTINGS/REINFORCEMENT
Item: 04120 BLDG-SLAB
Item: 04130 BLDG-STEEL/BONDING
01/28/2000 DMD Action: APPR APPROVED
Item: 04210 BLDG-EXTERIOR WALL CONST
Item: 04215 BLDG-SHEAR PANEL
Item: 04220 BLDG-FLOOR SHEATH
Item: 04230 BLDG-ROOF SHEATH
Item: 04240 BLDG-INSULATION INSPECTION
Item: 04250 BLDG-INSULATION CERTIFICATE
Item: 04260 BLDG-INTERIOR WALL CONST
Item: 04270 BLDG-T-BAR
Item: 04280 BLDG-FLOOR SYSTEM(S)
Item: 04290 BLDG-ROOF SYSTEM

Dept: BLDG Division:
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CITY OF LA MESA BUILDING DEPARTMENT
COMBO BUILDING PERMIT PERMIT #: B00-026

Item: 04310 BLDG-PRE-ROOFING Dept: BLDG Division:
Item: 04330 BLDG-EXTERIOR LATH Dept: BLDG Division:
Item: 04340 BLDG-DRYWALL Dept: BLDG Division:
Item: 04350 BLDG-DRAFT STOP(S) Dept: BLDG Division:
Item: 04360 BLDG-GROUT LIFT Dept: BLDG Division:
Item: 04370 BLDG-FENCE/GATE(S) Dept: BLDG Division:
02/02/2000 DMD Action: APPR APPROVED Time: 00:00
Item: 04410 TITLE 24 HANDICAP Dept: BLDG Division:
Item: 04420 BLDG-TITLE 24 ENERGY Dept: BLDG Division:
Item: 04500 BLDG-FINAL APPROVAL Dept: BLDG Division:
02/28/2000 DMD Action: CO CORRECTION REQUIRED Time: 00:00
Notes: NEEDS TO FINISH HANDICAP ACCESS AND SECURE CONDUITS TO WALL
03/02/2000 DMD Action: APPR APPROVED Time: 00:00
Item: 05100 FINAL ACTIVITY Dept: BLDG Division:
03/02/2000 DMD Action: APPR APPROVED Time: 00:00

CITY OF LA MESA

8130 ALLISON AVENUE
LA MESA, CA 91941
(619) 667-1176
Community Development Department
Building Division

FINAL

JUN 07 2000

CITY OF LA MESA

SIGN PERMIT

PERMIT #: B00-222
Status: ISSUED
Issued: 05/11/2000

Address: 7407 ALVARADO RD
Location: 7407 ALVARADO RD
Parcel: 4690210100
Subdivision: Lot/Block:

APPLICANT: R.V. COMMUNITIES, LLC
7855 HERSCHEL AVE #201 LA JOLLA CA 92037
Phone: 858-456-9201

CONTRACTOR: HOLT DESIGN
1815 S. CITRUS AVENUE ESCONDIDO 92027
Phone: 760/741-3480

OWNER: R.V. COMMUNITIES, LLC
7855 HERSCHEL AVE #201 LA JOLLA CA 92037
Phone: 858-456-9201

Permit Type: SIGN

Description of Work: 2 SIGNS: ILLUM MONUMENT 20 SQ.FT, NON-ILLUM MONUME

Sign Sq Ft: 150
Valuation: $1,554.50
Occ Group: 31
Type Const:

Zoning: CM-F-D
Use: COM
Setbacks Front: Side: Rear:
Total Units on Prop: 0
Garage: Parking Required: 0
Provided: 0
File Reference:
Comments: MONUMENT SIGNS

FEE SUMMARY

Total Permit Fee . . . . . :	$159.05
Total Payments . . . . . :	$159.05
Balance Due . . . . . :	$0.00

Expiration: Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within one calendar year from the date of such permit, or if the building or work authorized by such permit is stopped at any time after the work is commenced for a period of 6 calendar months, or if the building or work authorized by such permit exceeds 3 calendar years from the issuance date of the permit - L.M.M.C. Sec. 14.11.050.

RV Communities, LLC DBA San Diego RV Resort
7855 Herschel Avenue, Suite 203A
La Jolla, CA 92037
(858) 456-9201, EX 31 Fax: (858) 456-9738

September 19, 2000

David Witt
Community Development Director
City of La Mesa
8130 Allison Ave
La Mesa, CA 91941

RECEIVED
SEP 25 2000
COMMUNITY DEV. DEPT.

RE: SDRV, 7407 Alvarado Road, Fence and gates.

Dear David:

Per our phone conversation today, I am sending you the written information that will be used for the operations of the manual gates to be installed at SDRV. The installation of these gates will positively affect safety both inside and outside of the RV Park.

The external effect will direct all traffic to the safest entry to and exit from Alvarado road. Everyone with business in the park will use the main entry. It affords lengthy views of the Alvarado traffic so drivers can make safe decisions to enter or exit the park. Traffic on Alvarado will have fewer "streets" with which to contend.

The internal effect will create a safer environment for the park residents. The general public will no longer have "invisible" access in and out of the park. We have been working diligently to raise the quality of tenants in SDRV. This is the next step in our campaign.

The following is added to the site operations manual:

San Diego RV Operations Manual

SDRV manual street gates shall be operated in the following manner.

1. The manually operated street gates shall be kept closed and locked except for opening to load or unload vehicle sites.

2. At all times, the manual gates shall have a cutable lock installed for City of La Mesa fire and emergency service access.

3. Property management shall endeavor to register RV owners with extended stays on the following sites to minimize the gate opening periods: 12, 13, 24, 25, 35, 36, 49, 50, 63, 64, & 81.

4. The street gate at sites 24 & 25 may be set up for a "free" out exit. The gates will be able to open on a traffic loop sensor system. The location will be signed as an "exit only" location. The gates may stand open as needed to facilitate traffic out of the park. The exit will be marked and striped to establish the required 15'X15' exiting sight lines for active traffic.

5. Only site personnel shall open manual street gates. Site personnel shall remain at the gate during an open period and re-lock the gate when finished.

6. Directional signs shall be posted at each gate and along Alvarado road indicating the location of the active entry to the property.

This policy is implemented on September 19, 2000. No changes to this policy shall be made unless approved in writing by the City of La Mesa.

The policy begins immediately upon the installation of the gates. It will take approximately 6 – 7 weeks to finish the gate installation.

Thank you again for your participation and cooperation in making this a more attractive RV Park.

Sincerely,

Reza Paydar
Manager

CITY OF LA MESA

8130 ALLISON AVENUE
LA MESA, CA 91941
(619) 667-1176
Community Development Department
Building Division

FINAL

JAN 11 2001

CITY OF LA MESA

COMBO BUILDING PERMIT

PERMIT #: B00-424
Status: ISSUED
Issued: 09/22/2000
Final:

Address: 7407 ALVARADO RD
Location:
Parcel: 4690210100
Subdivision: Lot/Block:

APPLICANT: R.V. COMMUNITIES, LLC
7855 HERSCHEL AV, #201, LA JOLLA 92307
Phone:

CONTRACTOR: Phone:

OWNER: SAME AS APPLICANT Phone:

Permit Type: FNCE

Description of Work: INSTALL FENCES, GATES AND ASSSOCIATED ELECTRICAL

Bldg Sq Ft: 0
Valuation: $0.00
Occ Group:
Type Const:

Zoning: Use
Setbacks Front: 0 Side: 0 Rear: 0 Total Units on Prop: 0
Garage: Parking Required: 0 Provided: 0
File Reference:
Comments:

FEE SUMMARY

Total Permit Fee . . . . . :	$118.90
Total Payments . . . . . :	$118.90
Balance Due . . . . . :	$0.00

Expiration: Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within one calendar year from the date of such permit, or if the building or work authorized by such permit is stopped at any time after the work is commenced for a period of 6 calendar months, or if the building or work authorized by such permit exceeds 3 calendar years from the issuance date of the permit - L.M.M.C. Sec. 14.11.050.

CITY OF LA MESA

8130 ALLISON AVENUE
LA MESA, CA 91941
(619) 667-1176
Community Development Department
Building Division

FINAL

MAR 01 2000

CITY OF LA MESA

COMBO BUILDING PERMIT

PERMIT #: B00-026

Address: 7407 ALVARADO RD
Location: 7407 ALVARADO RD
Parcel #: 469-021-0100
Subdivision: Lot/Block:

Status: ISSUED
Issued: 01/25/2000

APPLICANT	SAN DIEGO POOL PLASTERING 10750 VALLE VISTA RD, LAKESIDE, CA 92040	Phone: 469-6544
CONTRACTOR	SAN DIEGO POOL PLASTERING 10750 VALLE VISTA RD, LAKESIDE, CA 92040	Phone: 469-6544
OWNER	R.V. COMMUNITIES, LLC 7855 HERSCHEL AVE #201, LA JOLLA CA 92037	Phone: 858-456-9201

Permit Type: TENANT IMPROVEMENT

Description of Work:
GUNITE SPA

Bldg Sq Ft:
Valuation: 15,000.00

Occ Group:

Type Const:

Zoning: CM-F-D
Use: MFR
Setbacks Front: Side: Rear: Total Units on Prop:
Garage: Parking Required: Provided:
File Reference:
Comments:

FEE SUMMARY

Total Permit Fee.....:	552.81
Total Payments.....:	552.81
Balance Due.....:	.00

Expiration: Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within one calendar year from the date of such permit, or if the building or work authorized by such permit is stopped at any time after the work is commenced for a period of 6 calendar months, or if the building or work authorized by such permit exceeds 3 calendar years from the issuance date of the permit. [M.M.C. Sec. 14.11.050

City of La Mesa Building Department

BLDG

Address: 7407 ALVARADO RD LMSA
Location:
Parcel #: 469-021-0100

Permit #: B00-123
Issued: 03/23/2000
Status: **FINAL**

Description: BATH/LAUNDRY REMODEL, REROOF, MISC WALLS, STUCCO

Item: 01000 PROGRESS INSPECTION
05/02/2000 By: DMD Action: AP Comments: SHOWER PAN
Item: 01050 ROUGH FRAMING,ELEC,MECH,PLUMB
Item: 01110 PLMG-BLDG DRAINS (UG)
Item: 01120 PLMG-WTR SUPPLY (UG)
Item: 01130 PLMG-BLDG SEWER (UG)
04/04/2000 By: DMD Action: AP Comments:
04/06/2000 By: DMD Action: AP Comments: WEST BLDG
Item: 01210 PLMG-D/W/V PIPING
04/24/2000 By: DMD Action: AP Comments:
04/26/2000 By: DMD Action: AP Comments: EAST SIDE
05/02/2000 By: DMD Action: AP Comments: WEST SIDE
Item: 01220 PLMG-WTR SUPPLY (AG)
04/24/2000 By: DMD Action: AP Comments:
04/26/2000 By: DMD Action: AP Comments: EAST SIDE
Item: 01230 PLMG-LP GAS PIPING
Item: 01310 PLMG-MP GAS PIPING
Item: 01410 PLMG-WATER HEATER
Item: 01420 PLMG-GAS MTR CLEARANCE
Item: 01500 PLMG-FINAL APPROVAL
Item: 02110 MECH-DUCTS/PLENUMS (UG)
Item: 02210 MECH-DUCTS/PLENUMS (AG)
04/24/2000 By: DMD Action: AP Comments:
05/02/2000 By: DMD Action: AP Comments:
Item: 02220 MECH-COMBUSTION VENTS
Item: 02310 MECH-WALL FURNACES
Item: 02320 MECH-VENT SUPPLY
Item: 02330 MECH-VENT EXHAUST
04/26/2000 By: DMD Action: AP Comments: EAST SIDE
Item: 02410 MECH-FURNACES (FAU)
Item: 02500 MECH-FINAL APPROVAL
Item: 03110 ELEC-CONDUIT/CABLES (UG)
Item: 03120 ELEC-GROUNDING
05/02/2000 By: DMD Action: AP Comments:
Item: 03210 ELEC-CONDUITS/CABLES (AG)
04/24/2000 By: DMD Action: AP Comments:
04/26/2000 By: DMD Action: AP Comments: EAST SIDE
Item: 03220 ELEC-ROUGH WIRING
Item: 03230 ELEC-SERVICE PANEL
Item: 03310 ELEC-SUBPANELS
Item: 03320 ELEC-TEMPORARY POWER
Item: 03410 ELEC-SIGNS

City of La Mesa Building Department

BLDG

Address: 7407 ALVARADO RD LMSA
Location:
Parcel #: 469-021-0100

Permit #: B00-123
Issued: 03/23/2000
Status: **FINAL**

Item: 03420 ELEC-METER CLEARANCE
Item: 03500 ELEC-FINAL APPROVAL
Item: 04110 BLDG-FOOTINGS/REINFORCEMENT
Item: 04120 BLDG-SLAB
Item: 04130 BLDG-STEEL/BONDING
Item: 04210 BLDG-EXTERIOR WALL CONST
Item: 04215 BLDG-SHEAR PANEL
Item: 04220 BLDG-FLOOR SHEATH
Item: 04230 BLDG-ROOF SHEATH
Item: 04240 BLDG-INSULATION INSPECTION
Item: 04250 BLDG-INSULATION CERTIFICATE
Item: 04260 BLDG-INTERIOR WALL CONST
04/24/2000 By: DMD Action: AP Comments: WEST SIDE
05/02/2000 By: DMD Action: AP Comments: EAST SIDE
Item: 04270 BLDG-T-BAR
Item: 04280 BLDG-FLOOR SYSTEM(S)
Item: 04290 BLDG-ROOF SYSTEM
Item: 04310 BLDG-PRE-ROOFING
Item: 04330 BLDG-EXTERIOR LATH
Item: 04340 BLDG-DRYWALL
Item: 04350 BLDG-DRAFT STOP(S)
Item: 04360 BLDG-GROUT LIFT
Item: 04370 BLDG-FENCE/GATE(S)
Item: 04410 TITLE 24 HANDICAP
Item: 04420 BLDG-TITLE 24 ENERGY
Item: 04500 BLDG-FINAL APPROVAL
01/11/2001 By: as Action: AP Comments:
Item: 05100 FINAL ACTIVITY
01/11/2001 By: as Action: AP Comments:

CITY OF LA MESA

8130 ALLISON AVENUE
LA MESA, CA 91941
(619) 667-1176
Community Development Department
Building Division

FINAL

MAY 05 2000

CITY OF LA MESA

COMBO BUILDING PERMIT

PERMIT #: B00-123
Status: ISSUED
Issued: 03/23/2000

Address: 7407 ALVARADO RD
Location:
Parcel: 4690210100
Subdivision: Lot/Block:

APPLICANT: R.V. COMMUNITIES, LLC
7855 HERSCHEL AVE #201 LA JOLLA CA 92037
Phone: 858-456-9201

CONTRACTOR:
Phone:

OWNER: R.V. COMMUNITIES, LLC
7855 HERSCHEL AVE #201 LA JOLLA CA 92037
Phone: 858-456-9201

Permit Type: TI

Description of Work: BATH/LAUNDRY REMODEL, REROOF, MISC WALLS, STUCCO

Bldg Sq Ft: 0
Valuation: $45,000.00
Occ Group: B
Type Const: VN

Zoning: CM-F-D
Use:
Setbacks Front: Side: Rear:
Garage: Parking Required: 0
File Reference:
Comments:
Total Units on Prop: 0
Provided: 0

FEE SUMMARY

Total Permit Fee . . . . . :	$1,515.89
Total Payments . . . . . :	$1,515.89
Balance Due . . . . . :	$0.00

Expiration: Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within one calendar year from the date of such permit, or if the building or work authorized by such permit is stopped at any time after the work is commenced for a period of 6 calendar months, or if the building or work authorized by such permit exceeds 3 calendar years from the issuance date of the permit - L.M.M.C. Sec. 14.11.050.

CITY OF LA MESA

8130 ALLISON AVENUE
LA MESA, CA 91941
(619) 667-1176
Community Development Department
Building Division

FINAL

FEB 09 2001

CITY OF LA MESA

BUILDING PERMIT

PERMIT #: B01-016
Status: ISSUED
Issued: 01/10/2001

Address: 7407 ALVARADO RD
Location: LOT 125
Parcel: 4690210100
Subdivision: Lot/Block:

APPLICANT: RICHARDSON LOUIS
27191 GIARD ST HEMET 92544
Phone: 909-765-0726

CONTRACTOR: RICHARDSON LOUIS
27191 GIARD ST HEMET 92544
Phone: 909-765-0726

OWNER: R.V. COMMUNITIES, LLC
7855 HERSCHEL AVE #201 LA JOLLA CA 92037
Phone: 858-456-9201

Permit Type: RES

Description of Work: BUILD DECK AND AWNING ATLOT 125

Bldg Sq Ft: 0
Valuation: $0.00
Occ Group:
Type Const: VN

Zoning:
Use:
Setbacks Front:
Side:
Rear:
Total Units on Prop: 0
Garage:
Parking Required: 0
Provided: 0
File Reference:
Comments:

FEE SUMMARY

Total Permit Fee . . . . . :	$28.00
Total Payments . . . . . :	$28.00
Balance Due . . . . . :	$0.00

Expiration: Every permit issued by the Building Official under the provisions of this Code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within one calendar year from the date of such permit, or if the building or work authorized by such permit is stopped at any time after the work is commenced for a period of 6 calendar months, or if the building or work authorized by such permit exceeds 3 calendar years from the issuance date of the permit - L.M.M.C. Sec. 14.11.050.

City of La Mesa Building Department

BLDG

Permit #: B01-016
Issued: 01/10/2001
Status: **FINAL**

Address: 7407 ALVARADO RD LMSA
Location: LOT 125
Parcel #: 469-021-0100

Description: BUILD DECK AND AWNING ATLOT 125

Item: 01000 PROGRESS INSPECTION
Item: 04110 BLDG-FOOTINGS/REINFORCEMENT
Item: 04120 BLDG-SLAB
Item: 04130 BLDG-STEEL/BONDING
Item: 04210 BLDG-EXTERIOR WALL CONST
Item: 04220 BLDG-FLOOR SHEATH
Item: 04230 BLDG-ROOF SHEATH
Item: 04240 BLDG-INSULATION INSPECTION
Item: 04250 BLDG-INSULATION CERTIFICATE
Item: 04260 BLDG-INTERIOR WALL CONST
Item: 04270 BLDG-T-BAR
Item: 04280 BLDG-FLOOR SYSTEM(S)
02/09/2001 By: AS Action: AP Comments:
Item: 04290 BLDG-ROOF SYSTEM
Item: 04310 BLDG-PRE-ROOFING
Item: 04330 BLDG-EXTERIOR LATH
Item: 04340 BLDG-DRYWALL
Item: 04350 BLDG-DRAFT STOP(S)
Item: 04360 BLDG-GROUT LIFT
Item: 04370 BLDG-FENCE/GATE(S)
Item: 04410 TITLE 24 HANDICAP
Item: 04420 BLDG-TITLE 24 ENERGY
Item: 04500 BLDG-FINAL APPROVAL
02/09/2001 By: AS Action: AP Comments:
Item: 05100 FINAL ACTIVITY
02/09/2001 By: AS Action: AP Comments:

BUILDING PERMIT

PERMIT #: B01-016
Status: FINAL
Issued: 01/10/2001
Final: 02/09/2001

Address: 7407 ALVARADO RD
Location: LOT 125
Parcel: 4690210100
Subdivision: Lot/Block:

APPLICANT:	RICHARDSON LOUIS 27191 GIARD ST HEMET 92544	Phone: 909-765-0726
CONTRACTOR:	RICHARDSON LOUIS 27191 GIARD ST HEMET 92544	Phone: 909-765-0726
OWNER:	R.V. COMMUNITIES, LLC 7855 HERSCHEL AVE #201 LA JOLLA CA 92037	Phone: 858-456-9201

Permit Type: RES

Description of Work: BUILD DECK AND AWNING ATLOT 125

Bldg Sq Ft: 0 Occ Group: Type Const: VN
Valuation: $0.00

Zoning: Use:
Setbacks Front: Side: Rear: Total Units on Prop: 0
Garage: Parking Required: 0 Provided: 0
File Reference:
Comments:

FEE SUMMARY

Total Permit Fee . . . . . :	$28.00
Total Payments . . . . . :	$28.00
Balance Due . . . . . :	$0.00

BUILDING PERMIT

PERMIT #: B01-017
Status: FINAL
Issued: 01/10/2001
Final: 02/09/2001

Address: 7407 ALVARADO RD
Location: LOT 126
Parcel: 4690210100
Subdivision: Lot/Block:

APPLICANT:	RICHARDSON LOUIS 27191 GIARD ST HEMET 92544	Phone: 909-765-0726
CONTRACTOR:	RICHARDSON LOUIS 27191 GIARD ST HEMET 92544	Phone: 909-765-0726
OWNER:	R.V. COMMUNITIES, LLC 7855 HERSCHEL AVE #201 LA JOLLA CA 92037	Phone: 858-456-9201

Permit Type: RES

Description of Work: BUILD DECK AND AWNING ATLOT 126

Bldg Sq Ft: 0 Occ Group: Type Const: VN
Valuation: $0.00

Zoning: Use:
Setbacks Front: Side: Rear: Total Units on Prop: 0
Garage: Parking Required: 0 Provided: 0
File Reference:
Comments:

FEE SUMMARY

Total Permit Fee . . . . . :	$28.00
Total Payments . . . . . :	$28.00
Balance Due . . . . . :	$0.00

ELECTRICAL PERMIT

PERMIT #: E04-180
Status: FINAL
Issued: 09/22/2004

Address: 7407 ALVARADO RD
Location:
Parcel: 4690210100
Subdivision: Lot/Block:

APPLICANT: R V COMMUNITIES L L C Phone:
858/456-9201 EXT 21
7855 HERSCHEL AVE #201 LA JOLLA CA
CONTRACTOR: Phone:
Contractor #:
OWNER: R V COMMUNITIES L L C Phone:
7855 HERSCHEL AVE #201 LA JOLLA CA 92037

Permit Type: COM

Description of Work: REPLACE 47 METER PEDESTALS FOR PADS 149-166,

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FEE SUMMARY

Total Permit Fee . . . . . :	$843.50
Total Payments . . . . . :	$843.50
Balance Due . . . . . :	$0.00

ENCROACHMENT PERMIT

PERMIT #: EP03-137
Status: FINAL

Address: 7407 ALVARADO RD
Location: 7407 ALVARADO ROAD
Parcel: 4690210100
Subdivision: Lot/Block:

Issued: 06/26/2003
Final: 02/02/2006
Expires: 04/15/2004

APPLICANT: HELIX WATER DISTRICT
7811 UNIVERSITY AV LA MESA 91941
Phone: 619-596-3860

CONTRACTOR: HELIX WATER DISTRICT
7811 UNIVERSITY AV LA MESA 91941
Phone: 619-596-3860
Contractor #: 1001

OWNER: R V COMMUNITIES L L C
7855 HERSCHEL AVE #201 LA JOLLA CA 92037
Phone: 469-4697

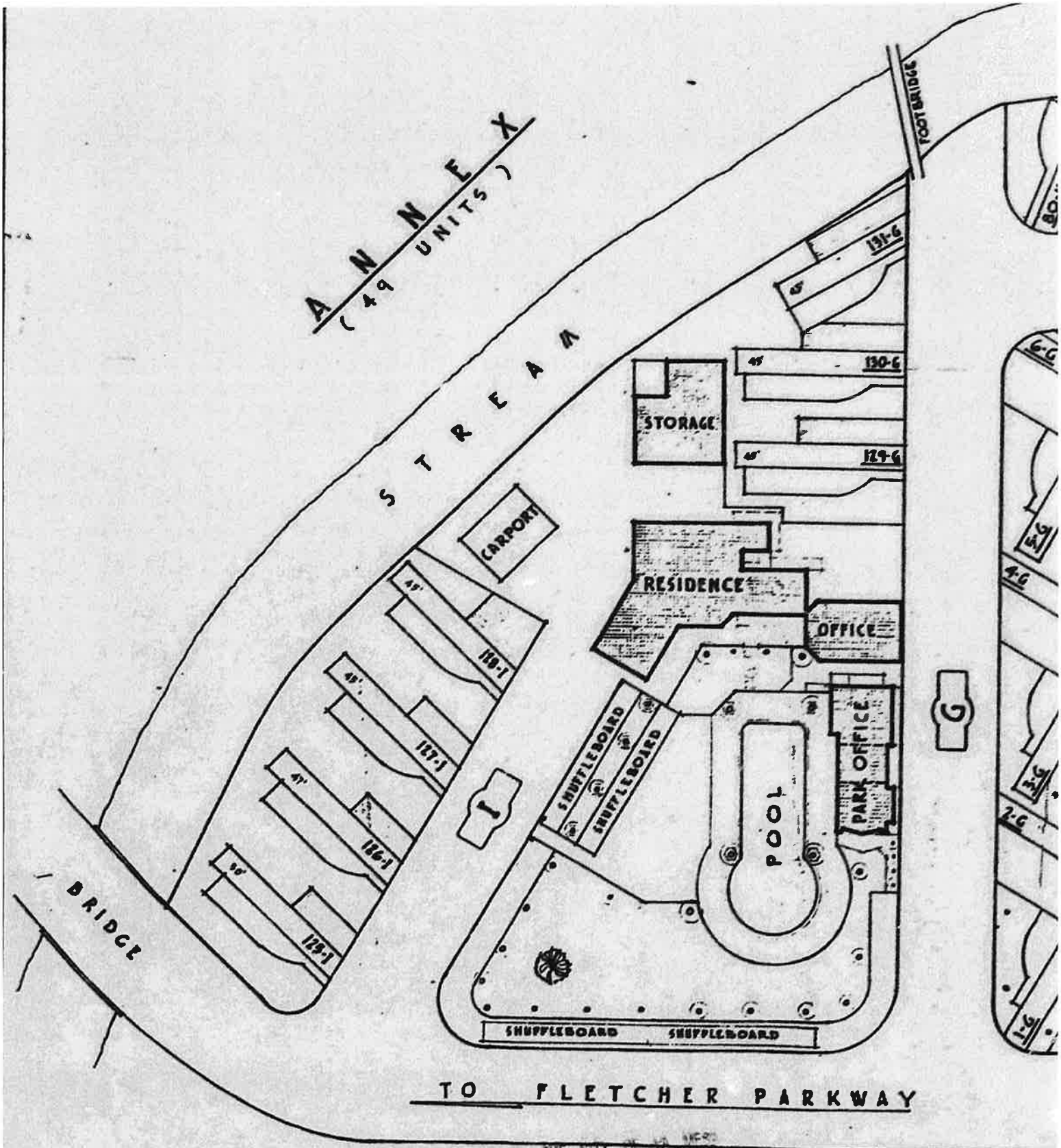
Permit Type: HELIX **Drawing No. / Sketch:** ATTACHED
Description of Work:
INSTALL 2" WATER LATERAL & 2" METER, 10'X10'X2', W.O. # 245
Comments:

Bond Required: N Type:
Amount: $0.00
Bond Company:
Receipt #:
Date Bond Posted: Date Bond Released:

FEE SUMMARY

Encroachment Minor Fees:	$160.00	TC Plan Check Fee:	$0.00
Encroachment Major Fees:	??	Temp Minor Enc. Fee:	??
Minor Inspection Fee:	??		
Major Inspection Fee:	$0.00	Plan Check Fee:	$0.00
Maj.Insp. Fee (701-2609):	$0.00	Cash/Deposit Bond:	$0.00
Soil / Geotech:	$0.00		

Other Fees. . . . . :	$0.00
Total Permit Fee . . . . . :	$160.00
Total Payments . . . . . :	$160.00
Balance Due . . . . . :	**$0.00**



PLANS APPROVED BY THE CITY OF LA MESA SUBJECT TO THE FOLLOWING ~~BUILDING INSPECTION STANDARDS~~ Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of La Mesa, California

MAR 08 2007

The stamping of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, Federal Laws or other restrictions

By _____ sheet _____ of _____ Sheet

ELECTRICAL PERMIT

PERMIT #: E07-015
Status: FINAL
Issued: 03/12/2007

Address: 7407 ALVARADO RD
Location: spaces 25-63
Parcel: 4690210100
Subdivision: Lot/Block:

APPLICANT:	A & I DEVELOPMENT/WALLY GLAZIER 7855 HERSCHEL AVE LA JOLLA, CA 92037	Phone: 858-456-9201
CONTRACTOR:	A & I DEVELOPMENT 7855 HERSCHEL AVE LA JOLLA, CA 92037	Phone: 858-456-9201 Contractor #: 768362
OWNER:	R V COMMUNITIES L L C 7855 HERSCHEL AVE #201 LA JOLLA, CA 92037	Phone: 858-456-9201

Permit Type: RES

Description of Work: NEW MAIN; UPGRADE ELECTRICAL TO 50 AMP UG TO 38

FEE SUMMARY

Total Permit Fee . . . . . :	$794.22
Total Payments . . . . . :	$794.22
Balance Due . . . . . :	$0.00

ENCROACHMENT PERMIT

PERMIT #: EP10-063
Status: FINAL

Address: 7407 ALVARADO RD
Location: Alvarado Rd. w/o driveway
Parcel: 4690210100
Subdivision: Lot/Block:

Issued: 03/25/2010
Final: 11/08/2017
Expires: 12/15/2010

APPLICANT:	SAN DIEGO GAS & ELECTRIC P.O.BOX 129831 SAN DIEGO 92112-9749	Phone: 858-636-5719
CONTRACTOR:	SAN DIEGO GAS & ELECTRIC P.O.BOX 129831 SAN DIEGO 92112-9749	Phone: 858-636-5719 Contractor #: 1000
OWNER:	R V COMMUNITIES L L C 7855 HERSCHEL AVE #201 LA JOLLA, CA 92037	Phone: 858-456-9201

Permit Type: SDG&E **Drawing No. / Sketch:** Attached drawing

Description of Work:
Install pole and street light knocked down by car contact.
SDG&E Job #050328-070.

Comments:

Bond Required: Type: Amount: $0.00
Bond Company: Receipt #:
Date Bond Posted: Date Bond Released:

FEE SUMMARY

Encroachment Minor Fees:	$140.00	TC Plan Check Fee:	$0.00
Encroachment Major Fees:	$0.00	Temp Minor Enc. Fee:	$0.00
Minor Inspection Fee:	$260.00		
Major Inspection Fee:	$0.00	Plan Check Fee:	$0.00
Maj.Insp. Fee (701-2609):	$0.00	Cash/Deposit Bond:	$0.00
Soil / Geotech:	$0.00		

Other Fees. . . . . :	$0.00
Total Permit Fee . . . . . :	$400.00
Total Payments . . . . . :	$400.00
Balance Due . . . . . :	**$0.00**

PLUMBING PERMIT

PERMIT #: P11-032
Status: FINAL
Issued: 03/10/2011

Address: 7407 ALVARADO RD
Location:
Parcel: 4690210100
Subdivision: Lot/Block:

APPLICANT:	SUNCHASER INC 15348 LAZY CREEK RD. EL CAJON, CA 92037	Phone: 390-5287
CONTRACTOR:	SUNCHASER INC 15348 LAZY CREEK RD. EL CAJON, CA 92021	Phone: 390-5287 Contractor # 749795
OWNER:	R V COMMUNITIES L L C 7855 HERSCHEL AVE #201 LA JOLLA, CA 92037	Phone: 858-456-9201

Permit Type: COM

Description of Work: NEW GAS LINE FOR POOL HEATER AT SD RV RESORT

FEE SUMMARY

Total Permit Fee . . . . . :	$46.02
Total Payments . . . . . :	$46.02
Balance Due . . . . . :	$0.00

ENCROACHMENT PERMIT

PERMIT #: EP17-368
Status: FINAL

Address: 7407 ALVARADO RD
Location: 7407 Alvarado Road
Parcel: 4690210100
Subdivision: Lot/Block:

Issued: 12/20/2017
Final: 02/05/2018
Expires: 12/20/2017

APPLICANT: MICHAEL L. BREKKA Phone:
858-456-9201 x1104
7855 HERSCHEL AVENUE SUITE 201 LA JOLLA CA 92037

CONTRACTOR: Phone:
Contractor #:

OWNER: R V COMMUNITIES L L C Phone: 858-456-9201
7855 HERSCHEL AVE #201 LA JOLLA, CA 92037

Permit Type: COM **Drawing No. / Sketch:** See filed EMRA

Description of Work:
Permitte has requested the permission of the City of La Mesa to keep the existing non-conforming construction of a retaining wall, 1-Story Brick Building, and other improvements hereby encroaching into the City of La Mesa's existing public sewer easement per document recorded August 7, 1951 in book 4195, page 32, O.R.

Comments:
JOSE 12/20/2017 EMRA intiated by Dann M.
JOSE 12/21/2017 Refund deposit to Paydar Properties 7855 Hershel Avenue, Suite 201 La Jolla, CA 92037

Bond Required: Y Type: Check - 3383 Amount: $600.00
Bond Company: Paydar Properties Receipt #: 141129
Date Bond Posted: 12/21/2017 Date Bond Released: 02/05/2018

FEE SUMMARY

Encroachment Minor Fees:	$154.00	TC Plan Check Fee:	$0.00
Encroachment Major Fees:	$0.00	Temp Minor Enc. Fee:	$0.00
Minor Inspection Fee:	$0.00		
Major Inspection Fee:	$0.00	Plan Check Fee:	$0.00
Maj.Insp. Fee (701-2609):	$0.00	Cash/Deposit Bond:	$600.00
Soil / Geotech:	$0.00		

Other Fees. . . . . :	$0.00
Total Permit Fee . . . . . :	$754.00
Total Payments . . . . . :	$754.00
Balance Due . . . . . :	**$0.00**

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
COMMUNITY FOOD AND HOUSING DIVISION

DATE: 12/9/9

NORTH COUNTY
SAN MARCOS OFFICE
338 Via Vera Cruz, Rm. 201
San Marcos, CA 92069
(760) 471-0730

EAST COUNTY
EL CAJON OFFICE
200 E. Main, 6th Flr.
El Cajon, CA 92020
(619) 441-4030

CENTRAL COUNTY
SAN DIEGO OFFICE
1255 Imperial Ave., 3rd Flr.
San Diego, CA 92101
(619) 338-2222

PERMIT ASSISTANCE CENTER
1222 First Ave., 4th Flr.
San Diego, CA 92101
(619) 236-5938

APPLICATION FOR PLAN REVIEW OR TECHNICAL ASSISTANCE

C.T. _____ ACTIVITY CODE _____ CORP CODE _____ PERMIT # _____ PLAN CHECK # 394

ROUTE _____ FIELD SPEC _____ PC SPEC Steve Spence

OWNER Camperland Resort. PHONE ( )

ESTABLISHMENT NAME Camperland Resort.

SITE 7407 ALVARADO RD CITY La Mesa ZIP _____

MAILING ADDRESS _____ CITY _____ ZIP _____

CONTRACTOR _____ PHONE ( )
Name Address

CONTACT NAME AND PHONE NUMBER FOR PICKUP S.D. Pool Plastering. # 619-469-6544

CODE	ACCT #		PLAN CHECK PROJECT	FEE
429S01	9232	FOOD PLAN	0-1999 Sq. Ft.	$ 400.00
429S03	9232	FOOD PLAN	2000-7999 Sq. Ft.	600.00
429S08	9232	FOOD PLAN	8000+ Sq. Ft.	1,000.00
429S08	9232	FOOD PLAN	OVER 8000 $350/2000 Sq. Ft.	-------
429S10	9232		MINOR REMODEL	130.00
429S11	9232		FOOD PLAN RE-REVIEW	110.00
**	9231		RESTAURANT DEGRADE REINSPECTIONS	75.00
429S10	9232		MASSAGE	130.00
429S10	9232		TATTOO	130.00
429S80	9237	POOL PLAN	BASIC FEE (Up to 2 pools)	680.00
429S80	9237	POOL PLAN	CHECK FOR EACH POOL OVER 2	150.00
429S81	9237	POOL PLAN	RESURFACING/MAJOR RENOVATION (Each Pool)	130.00
429S80	9237	POOL PLAN	"AS BUILT"	130.00
429S98	9232		RESTAMP/NON-HEALTH REGULATED	35.00
*	9989		TECHNICAL ASST. (1 hr. min. each addt'l. ½ hr. $40.00)	80.00

1 spa.

TOTAL FEES $680.00

CHECK NUMBER 21862

* If a Plan Check Project use S01, if Field Operations use Business Code.
** A01-A02-A03-A04-A55-A56

Distribution: White

Powerhouse

Installation and Maintenance

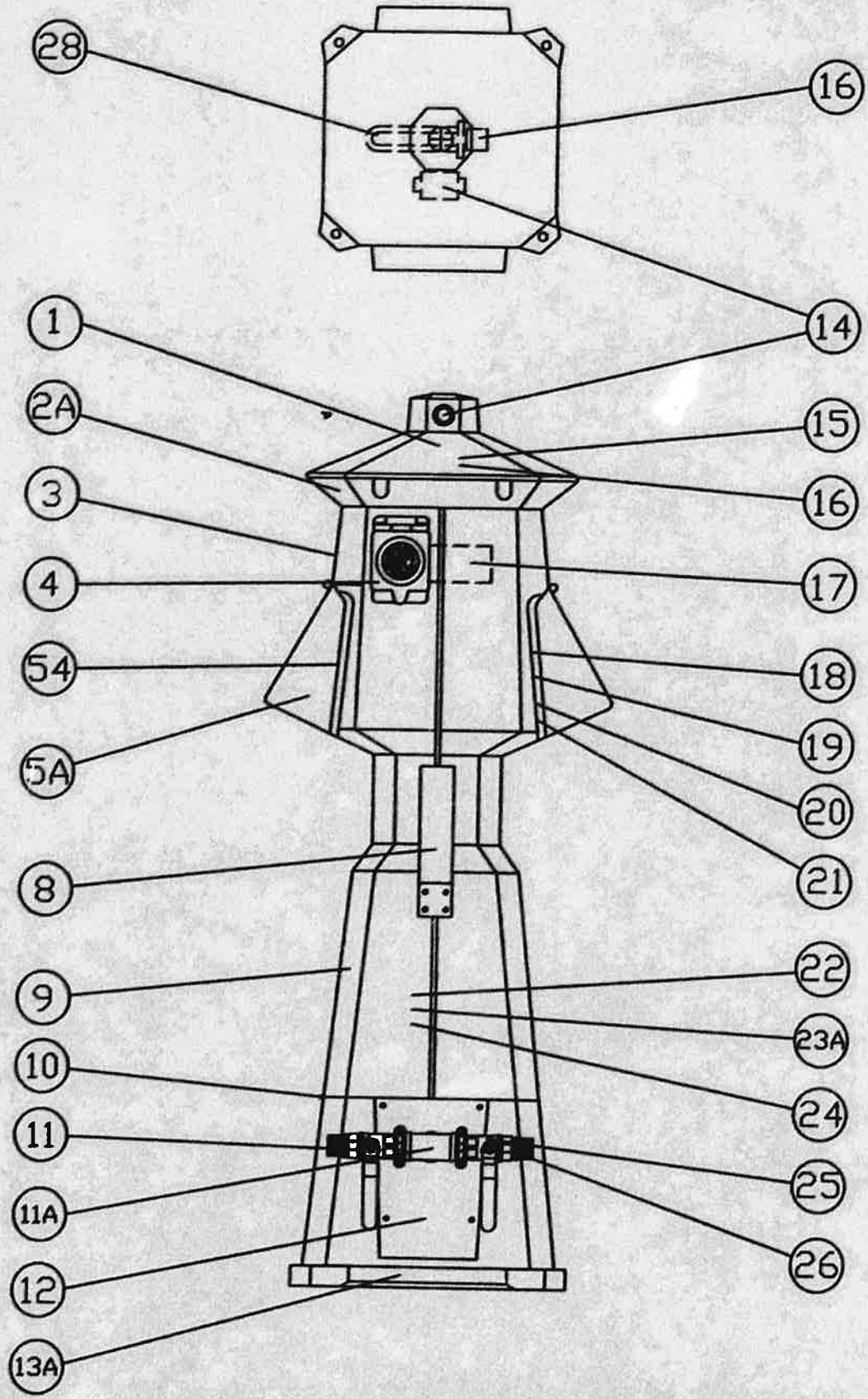
Manual

PLANS APPROVED BY THE CITY OF LA MESA BUILDING INSPECTION DIVISION SUBJECT TO THE FOLLOWING: Plans are accepted for construction subject to the requirements of the California Housing Law and the building laws of the City of La Mesa, California

MAR 0 8 2007

The [illegible] shall NOT be held to permit or approve the violation of any City, County, State, Federal laws or other restriction

By _____ Sheet _____ of _____ Sheet



RV PARK HOOKUPS, INC.	PRODUCT: POWERHOUSE	
DATE: 5/16/05	PARTS DIAGRAM	
FILE: Powerhouse - parts.dwg		

SDRV PARK 7407 ALVARADO RD
8 SITES
3 #3/0 1 #6 2"C.
COMFORT STATION #1
EXISTING 400AMP ANL
12 RV SITES
1 COMFORT STATION
NEW 1000AMP 120/208 1Ø
PNL MSB OVERHEAD
3 #2 1 #8 2"C.
2 PULL THROUGH SITES
3 #2/0 1 #6 2"C.
14 SITES
14 SITES
PLANS APPROVED BY THE CITY OF LA MESA
BUILDING INSPECTION DIVISION SUBJECT TO
THE FOLLOWING. Plans are accepted for construction
subject to the requirements of the California Housing Law
and the building laws of the City of La Mesa, California
MAR 0 8 2007
The stamping of these plans and specifications SHALL
NOT be held to permit or approve the violation of any
City, County, State, Federal Laws or other restrictions
By _____ sheet _____ of _____ Sheet

AIR POLLUTION CONTROL DISTRICT CORRESPONDENCE

From: Gould, Cynthia
To: O"Neal, Allison
Subject: RE: APCD Records Request 7401 - 7407 Alvarado Rd
Date: Tuesday, October 9, 2018 12:50:20 PM

Good afternoon: I found no records for the below addresses and APNs. Thanks.

Cynthia R. Gould | APCD Aide & Public Records Liaison | Air Pollution Control District
10124 Old Grove Road | San Diego CA 92131 | Phone: 858-586-2616 | Fax: 858-586-2601
Celebrating 63 Years Clean Air Progress
Confidentiality Notice: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain information protected by the attorney-client privilege, the attorney work product doctrine or other applicable privileges or confidentiality laws or regulations. If you are not an intended recipient, you may not review, use, copy, disclose or distribute this message or any of the information contained in this message to anyone. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of this message and any attachments. Unintended transmission shall not constitute waiver of the attorney-client or any other privilege.

From: O'Neal, Allison [mailto:AONeal@scsengineers.com]
Sent: Monday, October 08, 2018 1:08 PM
To: Gould, Cynthia <Cynthia.Gould@sdcounty.ca.gov>
Subject: APCD Records Request 7401 - 7407 Alvarado Rd

Hi Cynthia,

Hope you had a great weekend! Please send the APCD records for:

7401 Alvarado Road La Mesa, CA 91942
7407 Alvarado Road La Mesa, CA 91942

And by APN # if possible:

469-021-18-00

469-130-37-00

469-130-38-00

469-130-39-00

469-130-42-00

Thank you!

Allison O'Neal
SCS Engineers
Office: (858)571-5500
Direct: (858)583-7763
aoneal@scsengineers.com

INDUSTRIAL WASTE PROGRAM CORRESPONDENCE

From: Wilkinson, Cody
To: O"Neal, Allison
Subject: RE: IWCP Records Request - 7401 - 7407 Alvarado Road
Date: Tuesday, October 9, 2018 7:40:48 AM

Hi Allison,

We've got nothing on file for that range of addresses on Alvarado.

Cody

From: O'Neal, Allison [mailto:AONeal@scsengineers.com]
Sent: Monday, October 08, 2018 3:11 PM
To: Wilkinson, Cody <WilkinsonC@sandiego.gov>
Subject: IWCP Records Request - 7401 - 7407 Alvarado Road

Hi Cody,

Attached is the completed Industrial Wastewater Control Program records request form for:

7401 – 7407 Alvarado Road La Mesa, CA 91942

Please send the records at your earliest convenience.

Thank you,

Allison O'Neal
SCS Engineers
Office: (858)571-5500
Direct: (858)583-7763
aoneal@scsengineers.com

ENVIRONMENTAL LIEN SEARCH REPORT

The NETR Environmental Lien and AUL Search Report

SAN DIEGO RV RESORT
7401–7407 ALVARADO ROAD
LA MESA, CALIFORNIA

Wednesday, October 17, 2018

Project Number: L18-01771

2055 East Rio Salado Parkway
Tempe, Arizona 85281

Telephone: 480-967-6752
Fax: 480-966-9422

ENVIRONMENTAL LIEN AND AUL REPORT

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

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

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

Thank you for your business
Please contact NETR at 480-967-6752
with any questions or comments

Disclaimer - Copyright and Trademark Notice

This report was prepared for the use of Nationwide Environmental Title Research, and San Diego RV Resort, exclusively. This report is neither a guarantee of title, a commitment to insure, nor a policy of title insurance. **NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.** Nationwide Environmental Title Research (NETR) specifically disclaims the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

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ENVIRONMENTAL LIEN AND AUL REPORT

The NETR Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

TARGET PROPERTY INFORMATION

ADDRESS

San Diego RV Resort
7401–7407 Alvarado Road
La Mesa, California

RESEARCH SOURCE

Source: San Diego County Assessor
San Diego County Recorder

DEED INFORMATION

Type of Instrument: Grant Deed

Grantor: Frank E. Pierson, Trust U/D/T dated 10/16/1985

Grantee: RV Communities, a Delaware limited liability company

Deed Dated: 11/04/1998
Deed Recorded: 12/04/1998
Instrument: 1998-0787881

LEGAL DESCRIPTION

That portion of an unnumbered Lot as shown on Map of La Mesa Colony, according to Map thereof No. 346, situated and lying in the City of La Mesa, San Diego County, State of California

Assessor's Parcel Number(s): 469-021-18

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

ENVIRONMENTAL LIEN AND AUL REPORT

TARGET PROPERTY INFORMATION

ADDRESS

San Diego RV Resort
7401–7407 Alvarado Road
La Mesa, California

RESEARCH SOURCE

Source: San Diego County Assessor
San Diego County Recorder

DEED INFORMATION

Type of Instrument: Grant Deed

Grantor: Frank E. Pierson, Trust U/D/T dated 10/16/1985

Grantee: RV Communities, a Delaware limited liability company

Deed Dated: 11/04/1998
Deed Recorded: 12/04/1998
Instrument: 1998-0787881

LEGAL DESCRIPTION

Lot 53, in Tract 1444, situated and lying in the City of La Mesa, San Diego County, State of California

Assessor's Parcel Number(s): 469-130-37

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

ENVIRONMENTAL LIEN AND AUL REPORT

TARGET PROPERTY INFORMATION

ADDRESS

San Diego RV Resort
7401–7407 Alvarado Road
La Mesa, California

RESEARCH SOURCE

Source: San Diego County Assessor
San Diego County Recorder

DEED INFORMATION

Type of Instrument: Grant Deed

Grantor: Frank E. Pierson, Trust U/D/T dated 10/16/1985

Grantee: RV Communities, a Delaware limited liability company

Deed Dated: 11/04/1998
Deed Recorded: 12/04/1998
Instrument: 1998-0787881

LEGAL DESCRIPTION

Lot 54, in Tract 1444, situated and lying in the City of La Mesa, San Diego County, State of California

Assessor's Parcel Number(s): 469-130-38

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

ENVIRONMENTAL LIEN AND AUL REPORT

TARGET PROPERTY INFORMATION

ADDRESS

San Diego RV Resort
7401–7407 Alvarado Road
La Mesa, California

RESEARCH SOURCE

Source: San Diego County Assessor
San Diego County Recorder

DEED INFORMATION

Type of Instrument: Grant Deed

Grantor: Frank E. Pierson, Trust U/D/T dated 10/16/1985

Grantee: RV Communities, a Delaware limited liability company

Deed Dated: 11/04/1998
Deed Recorded: 12/04/1998
Instrument: 1998-0787881

LEGAL DESCRIPTION

Lot 55, in Tract 1444, situated and lying in the City of La Mesa, San Diego County, State of California

Assessor's Parcel Number(s): 469-130-39

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

ENVIRONMENTAL LIEN AND AUL REPORT

TARGET PROPERTY INFORMATION

ADDRESS

San Diego RV Resort
7401–7407 Alvarado Road
La Mesa, California

RESEARCH SOURCE

Source: San Diego County Assessor
San Diego County Recorder

DEED INFORMATION

Type of Instrument: Grant Deed

Grantor: Frank E. Pierson, Trust U/D/T dated 10/16/1985

Grantee: RV Communities, a Delaware limited liability company

Deed Dated: 11/04/1998
Deed Recorded: 12/04/1998
Instrument: 1998-0787881

LEGAL DESCRIPTION

Lots 47 through 52, in Tract 1444, situated and lying in the City of La Mesa, San Diego County, State of California

Assessor's Parcel Number(s): 469-130-42

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

RECORDED AT THE REQUEST OF
CHICAGO TITLE CO.

DOC # 1998-0787881

Dec 04, 1998 3:01 PM

When Recorded Mail to:
RV Communities, a Delaware LLC 1065

7855 Herschel Avenue, # 201
La Jolla, CA. 92037

Title Order # **8355194**
Escrow No: **8355194**

OFFICIAL RECORDS
SAN DIEGO COUNTY RECORDER'S OFFICE
GREGORY J. SMITH, COUNTY RECORDER
FEES: 20.00
OC: OC

1998-0787881

APN 469-021-01 and 469-130-28, 29, 30 and 31 Space Above for Recorder's Use Only

GRANT DEED

The undersigned declares that the documentary transfer tax is as set forth on a separate declaration

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

Frank E. Pierson, Trustee U/D/T Dated October 16, 1985

hereby GRANT(S) to

RV Communities, a Delaware LLC

the following described real property in the County of San Diego, State of California:

As completely described on **Exhibit "A"** attached hereto and incorporated herein

Dated: November 4, 1998

Frank E. Pierson
Trustee U/D/T Dated October 16, 1985

MAIL TAX STATEMENTS TO ADDRESS ABOVE

State of California)
County of San Diego)

On November 6, 1998, before me, the undersigned, a Notary Public in and for said State, personally appeared Frank E. Pierson

personally known to me or proven to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Mary A. Moylan
Comm. #1052485
NOTARY PUBLIC - CALIFORNIA
SAN DIEGO COUNTY
Comm. Expires March 1, 1999

EXHIBIT A

PARCEL 1:

1067

THAT PORTION OF THE UNNUMBERED TRACT OF LAND SHOWN ON MAP OF LA MESA COLONY, IN THE CITY OF LA MESA, COUNTY OF SAN DIEGO, State of California, ACCORDING TO MAP THEREOF NO. 346, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MARCH 8, 1887, DESCRIBED AS FOLLOWS:

BEGINNING AT ENGINEER'S STATION 209 PLUS 40.298 B. C. "B" IN THE CENTER LINE OF THE COUNTY ROAD AS SHOWN ON MAP OF ROAD SURVEY NO. 649, FILED IN THE OFFICE OF COUNTY SURVEYOR OF SAN DIEGO COUNTY; THENCE SOUTH 15° 41' 00" EAST, 67.23 FEET; THENCE SOUTH 69° 49' 00" WEST, 6.16 FEET TO THE BEGINNING OF A TANGENT 150.00 FOOT RADIUS CURVE, CONCAVE SOUTHEASTERLY; THENCE SOUTHWESTERLY ALONG SAID CURVE, 123.48 FEET; THENCE TANGENT TO SAID CURVE SOUTH 22° 39' 00" WEST, 104.13 FEET TO THE BEGINNING OF A TANGENT 300.00 FOOT RADIUS CURVE, CONCAVE NORTHWESTERLY; THENCE SOUTHWESTERLY ALONG SAID CURVE 98.61 FEET; THENCE TANGENT TO SAID CURVE SOUTH 41° 29' 00" WEST TO AN INTERSECTION WITH A LINE WHICH BEARS NORTH 15° 41' 00" WEST FROM A POINT IN THE NORTHERLY LINE OF DE WITT TRACT, ACCORDING TO MAP THEREOF NO. 1444, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MAY 22, 1912, DISTANT THEREON 66.00 EASTERLY FROM THE NORTHWESTERLY CORNER OF LOT 49 OF SAID DE WITT TRACT; THENCE SOUTH 15° 41' 00" EAST ALONG SAID LAST MENTIONED LINE TO A POINT IN THE NORTHERLY LINE OF SAID DE WITT TRACT, BEING ALSO A POINT IN THE NORTHERLY LINE OF LOT 44 OF SAID LA MESA COLONY; THENCE EASTERLY ALONG THE NORTHERLY LINE OF SAID LOT 44, A DISTANCE OF 591.14 FEET, MORE OR LESS, TO THE NORTHEASTERLY CORNER OF SAID LOT 44; THENCE NORTHERLY ALONG THE NORTHERLY PROLONGATION OF THE EASTERLY LINE OF SAID LOT 44 TO A POINT IN THE CENTER LINE OF SAID ROAD SURVEY NO. 649; THENCE WESTERLY ALONG SAID CENTER LINE TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION LYING NORTHERLY OF THE SOUTHERLY LINE OF THE PORTIONS OF ALVARADO AVENUE AS SHOWN ON SAID MAP NO. 346, WHICH ARE NOW VACATED AND CLOSED TO PUBLIC USE.

ALSO EXCEPTING THAT PORTION LYING NORTHERLY OF THE SOUTHERLY LINE OF THAT 30.00 FOOT STRIP OF LAND DESCRIBED IN DEED TO THE CITY OF LA MESA, RECORDED NOVEMBER 30, 1951 IN BOOK 4307, PAGE 32 OF OFFICIAL RECORDS.

PARCEL 2:

THE NORTHERLY 233.00 FEET OF THAT PORTION OF THE UNNUMBERED TRACT OF LAND SHOWN ON MAP OF LA MESA COLONY, IN THE CITY OF LA MESA, COUNTY OF SAN DIEGO, State of California, ACCORDING TO MAP THEREOF NO. 346, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MARCH 8, 1887, DESCRIBED AS FOLLOWS:

BEGINNING AT ENGINEER'S STATION 209 PLUS 40.29 B.C. "B" IN THE CENTER LINE OF THE COUNTY ROAD AS SHOWN ON MAP OF ROAD SURVEY NO. 649, FILED IN THE OFFICE OF THE COUNTY SURVEYOR OF SAN DIEGO COUNTY; THENCE SOUTH 15° 41' 00" EAST, 67.23 FEET; THENCE SOUTH 69° 49' 00" WEST, 6.16 FEET TO THE BEGINNING OF A TANGENT 150.00 FOOT RADIUS CURVE, CONCAVE SOUTHEASTERLY; THENCE SOUTHWESTERLY ALONG SAID CURVE, 123.48 FEET; THENCE TANGENT TO SAID CURVE, SOUTH 22° 39' 00" WEST 104.13 FEET TO THE BEGINNING OF A TANGENT 300.00 FOOT RADIUS CURVE, CONCAVE NORTHWESTERLY; THENCE SOUTHWESTERLY ALONG SAID CURVE 98.61 FEET; THENCE TANGENT TO SAID CURVE SOUTH 41° 29' 00" WEST TO AN INTERSECTION WITH A LINE WHICH BEARS NORTH 15° 41' 00" WEST FROM A POINT IN THE NORTHERLY LINE OF DE WITT TRACT, ACCORDING TO MAP THEREOF NO. 1444, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MAY 22, 1912, DISTANT THEREON 66.00 FEET EASTERLY FROM THE NORTHWESTERLY CORNER OF LOT 49 OF SAID DE WITT TRACT; THENCE

NORTH 15° 41' 00" WEST ALONG SAID LINE TO A POINT IN SAID CENTER LINE OF ROAD SURVEY NO. 649; THENCE NORTH 74° 19' 00" EAST ALONG SAID CENTER LINE TO THE POINT OF BEGINNING.

EXCEPTING FROM SAID NORTHERLY 233.00 FEET THEREOF, THAT PORTION LYING NORTHERLY OF THE SOUTHERLY LINE OF THAT 30.00 FOOT STRIP OF LAND DESCRIBED IN DEED TO THE CITY OF LA MESA, RECORDED NOVEMBER 30, 1951 IN BOOK 4307, PAGE 32 OF OFFICIAL RECORDS.

ALSO EXCEPTING FROM SAID NORTHERLY 233.00 FEET, THAT PORTION LYING NORTHERLY OF SOUTHERLY LINE OF THE PORTIONS OF ALVARADO AVENUE AS SHOWN ON SAID MAP NO. 346, WHICH ARE NOW VACATED AND CLOSED TO PUBLIC USE.

PARCEL 3:

THAT PORTION OF THE UNNUMBERED TRACT OF LAND AS SHOWN ON MAP OF LA MESA COLONY, IN THE CITY OF LA MESA, COUNTY OF SAN DIEGO, State of California, ACCORDING TO MAP THEREOF NO. 346, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MARCH 8, 1887, DESCRIBED AS FOLLOWS:

BEGINNING AT ENGINEER'S STATION 209 PLUS 40.29 B.C. "B" IN THE CENTER LINE OF THE COUNTY ROAD AS SHOWN ON MAP OF ROAD SURVEY NO. 649 ON FILE IN THE OFFICE OF THE COUNTY SURVEYOR OF SAN DIEGO COUNTY; THENCE SOUTH 15° 41' 00" EAST, 67.23 FEET; THENCE SOUTH 69° 49' 00" EAST, 6.16 FEET TO THE BEGINNING OF A TANGENT 150.00 FOOT RADIUS CURVE, CONCAVE SOUTHEASTERLY; THENCE SOUTHWESTERLY ALONG SAID CURVE 123.48 FEET; THENCE TANGENT TO SAID CURVE SOUTH 22° 39' 00" WEST, 104.13 FEET TO THE BEGINNING OF A TANGENT 300.00 FOOT RADIUS CURVE, CONCAVE NORTHWESTERLY; THENCE SOUTHWESTERLY ALONG SAID CURVE 98.61 FEET; THENCE TANGENT TO SAID CURVE SOUTH 41° 29' 00" WEST TO AN INTERSECTION WITH A LINE WHICH BEARS NORTH 15° 41' 00" WEST FROM A POINT IN THE NORTHERLY LINE OF DE WITT TRACT, ACCORDING TO MAP THEREOF NO. 1444, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MAY 22, 1912, DISTANT THEREON 66.00 FEET EASTERLY FROM THE NORTHWESTERLY CORNER OF LOT 49 OF SAID DE WITT TRACT; THENCE NORTH 15° 41' 00" WEST ALONG SAID LINE TO A POINT IN SAID CENTER LINE OF ROAD SURVEY NO. 649; THENCE NORTH 74° 19' 00" EAST ALONG SAID CENTER LINE TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THE NORTHERLY 233.00 FEET THEREOF.

PARCEL 4:

THAT PORTION OF THE UNNUMBERED TRACT OF LAND SHOWN ON MAP OF LA MESA COLONY, IN THE CITY OF LA MESA, COUNTY OF SAN DIEGO, State of California, ACCORDING TO MAP THEREOF NO. 346, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MARCH 8, 1887, DESCRIBED AS FOLLOWS:

BEGINNING AT ENGINEER'S STATION 209 PLUS 40.29 B.C. "B" IN THE CENTER LINE OF THE COUNTY ROAD AS SHOWN ON MAP OF ROAD SURVEY NO. 649, FILED IN THE OFFICE OF THE COUNTY SURVEYOR OF SAN DIEGO COUNTY; THENCE ALONG SAID CENTER LINE, SOUTH 74° 19' 00" WEST TO AN INTERSECTION WITH A LINE WHICH BEARS NORTH 15° 41' 00" WEST FROM A POINT IN THE NORTHERLY LINE OF DE WITT TRACT, ACCORDING TO MAP THEREOF NO. 1444, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MAY 22, 1912, DISTANT THEREON EASTERLY 66.00 FEET FROM THE NORTHWESTERLY CORNER OF LOT 49 OF SAID DE WITT TRACT; THENCE SOUTH 15° 41' 00" EAST ALONG SAID LINE 80.00 FEET TO A POINT IN THE SOUTHERLY LINE OF THAT 30.00 FOOT STRIP OF LAND DESCRIBED IN DEED TO THE CITY OF LA MESA, RECORDED NOVEMBER 30, 1951 IN BOOK 4307, PAGE 32 OF OFFICIAL RECORDS, SAID POINT BEING THE TRUE

POINT OF BEGINNING; THENCE CONTINUING SOUTH 15° 41' 00" EAST TO SAID POINT IN THE NORTHERLY LINE OF SAID DE WITT TRACT, DISTANT THEREON 66.00 FEET EASTERLY FROM THE NORTHWESTERLY CORNER OF SAID LOT 49, BEING ALSO A POINT IN THE NORTHERLY LINE OF LOT 44 OF SAID LA MESA COLONY; THENCE WESTERLY ALONG THE NORTHERLY LINE OF LOT 44, 40 AND LOT "G" OF SAID LA MESA COLONY, A DISTANCE OF 1389.57 FEET, MORE OR LESS, TO A POINT IN THE NORTHERLY LINE OF SAID LOT "G" DISTANT THEREON 170.00 FEET EASTERLY OF THE NORTHWESTERLY CORNER THEREOF; THENCE NORTHERLY PARALLEL WITH THE NORTHERLY PROLONGATION OF THE WESTERLY LINE OF SAID LOT "G" TO A POINT IN SAID SOUTHERLY LINE OF SAID 30.00 FOOT STRIP OF LAND ABOVE REFERRED TO; THENCE EASTERLY ALONG SAID SOUTHERLY LINE OF SAID 30.00 FOOT STRIP TO THE TRUE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION THEREOF LYING NORTHERLY OF THE SOUTHERLY LINE OF THE PORTIONS OF ALVARADO AVENUE AS SHOWN ON SAID MAP NO. 346 WHICH ARE NOW VACATED AND CLOSED TO PUBLIC USE.

PARCEL 5:

LOTS 47 THROUGH 55 OF DE WITT TRACT, IN THE CITY OF LA MESA, COUNTY OF SAN DIEGO, State of California, ACCORDING TO MAP THEREOF NO. 1444, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, MAY 22, 1912.

SANBORN FIRE INSURANCE MAPS

Alvarado Creek RV Park
7401 Alvarado Rd
La Mesa, CA 91942

Inquiry Number: 5444787.3
October 04, 2018

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

10/04/18

Site Name:

Alvarado Creek RV Park
7401 Alvarado Rd
La Mesa, CA 91942
EDR Inquiry # 5444787.3

Client Name:

SCS Engineers
8799 Balboa Avenue
San Diego, CA 92123
Contact: Allison Oneal

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Certified Sanborn Results:

Certification # B5FF-42B4-8ABF

PO # A&I Development Company

Project Alvarado Creek RV Park

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 #: B5FF-42B4-8ABF

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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ENVIRONMENTAL REGULATORY DATABASE REPORT

Alvarado Creek RV Park
7401 Alvarado Rd
La Mesa, CA 91942

Inquiry Number: 5444787.2s
October 04, 2018

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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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

7401 ALVARADO RD
LA MESA, CA 91942

COORDINATES

Latitude (North):	32.7723360 - 32° 46' 20.40''
Longitude (West):	117.0378630 - 117° 2' 16.30''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	496453.9
UTM Y (Meters):	3625858.8
Elevation:	416 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5622828 LA MESA, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
7401 ALVARADO RD
LA MESA, CA 91941

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1		7407 ALVARADO RD	CHMIRS	Higher	1 ft.
A2	WRIGHT MOBIL SERVICE	7407 ALVARADO RD	EDR Hist Auto	Higher	8, 0.002, WNW
B3	SPORT & IMPORT AUTO	7243 ALVARADO	RCRA-SQG, FINDS, ECHO	Lower	30, 0.006, West
B4	FUNSTON AND CAROL JO	7243 ALVARADO RD	San Diego Co. HMMD, SWEEPS UST	Lower	30, 0.006, West
C5	SID'S AUTO BODY	7241 ALVARADO RD	SAN DIEGO CO. SAM, CPS-SLIC	Lower	348, 0.066, West
6	SDCTY WUD COLLEGE HE	7255 SARANAC ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	394, 0.075, WSW
D7	BOB STALL CHEVROLET	7601 ALVARADO RD	SAN DIEGO CO. SAM, SAN DIEGO CO LOP	Higher	420, 0.080, ENE
D8	BOB STALL CHEVROLET	7601 ALVARADO RD	RCRA-SQG, AST, San Diego Co. HMMD, FINDS, ECHO,...	Higher	420, 0.080, ENE
D9	BOB STALL CHEVROLET	7601 ALVARADO RD	LUST, SWEEPS UST, HIST UST, EMI, HIST CORTESE	Higher	420, 0.080, ENE
C10	SOUTHERN PAINT & BOD	7245 ALVARADO RD	EDR Hist Auto	Lower	447, 0.085, West
11	PARKWAY CLEANERS	7200 PARKWAY DR	EDR Hist Cleaner	Lower	463, 0.088, WNW
C12	SPORT & IMPORT	7243 ALVARADO RD	EDR Hist Auto	Lower	464, 0.088, West
E13	DAVE DIGIAM BATTISTA	8500 ALVARADO RD	LUST, CPS-SLIC, San Diego Co. HMMD, SWEEPS UST,...	Higher	807, 0.153, East
14	COMMERCIAL RADIATOR	7371 MOHAWK ST	RCRA-SQG, San Diego Co. HMMD, FINDS, ECHO	Higher	845, 0.160, South
E15	93521	7651 ALVARADO RD	HIST UST	Higher	930, 0.176, East
E16	CHEVRON #93521	7651 ALVARADO RD	SAN DIEGO CO. SAM	Higher	930, 0.176, East
E17	CHEVRON #93521	7651 ALVARADO RD	LUST, CPS-SLIC, San Diego Co. HMMD, SWEEPS UST,...	Higher	930, 0.176, East
E18	CHEVRON STATION 9 35	7651 ALVARADO RD	RCRA-SQG, FINDS, ECHO	Higher	930, 0.176, East
19	UNIVERSITY CLEANERS	7360 EL CAJON BL	San Diego Co. HMMD, DRYCLEANERS, EMI, HAZNET	Higher	1062, 0.201, SSW
20	AUTOMOTIVE TOWING IN	7182 EL CAJON BLVD	HIST UST	Higher	1180, 0.223, SW
21	WALLY'S AUTO REPAIR	7393 EL CAJON BLVD	LUST, SAN DIEGO CO. SAM, SAN DIEGO CO LOP	Higher	1243, 0.235, South
22	SALVATORI CAETI	7590 EL CAJON BL	LUST, SAN DIEGO CO. SAM, SAN DIEGO CO LOP	Higher	1314, 0.249, SE
F23	PRESTIGIOUS AUTOMOTI	5301 LAKE MURRAY BLV	ENVIROSTOR, SAN DIEGO CO. SAM, CPS-SLIC	Higher	1454, 0.275, WNW
G24	TEXACO	5151 70TH ST N	LUST, EMI	Lower	1527, 0.289, West
G25	TEXACO REFINING & MA	5151 70TH ST	LUST, HIST CORTESE	Lower	1527, 0.289, West
G26	70TH STREET SHELL	5151 70TH ST	SAN DIEGO CO. SAM, UST, SWEEPS UST, SAN DIEGO CO...	Lower	1527, 0.289, West
F27	LAKE MURRAY SHELL	5302 LAKE MURRAY BLV	LUST, San Diego Co. HMMD, SWEEPS UST	Higher	1689, 0.320, WNW
F28	LAKE MURRAY SHELL	5302 LAKE MURRAY BL	SAN DIEGO CO. SAM	Higher	1689, 0.320, WNW
F29	LAKE MURRAY SHELL	5302 LAKE MURRAY BL	LUST, CPS-SLIC, HIST CORTESE	Higher	1689, 0.320, WNW
H30	FRANK HABETLER FOREI	7075 EL CAJON BL	LUST, San Diego Co. HMMD, HIST CORTESE	Higher	1716, 0.325, WSW
H31	FRANK HABETLER FOREI	7075 EL CAJON BL	SAN DIEGO CO. SAM	Higher	1716, 0.325, WSW
H32	FRANK HABETLER'S AUT	7075 EL CAJON BLVD	LUST	Higher	1716, 0.325, WSW
I33	A FINE PROPERTY, INC	7006 EL CAJON BLVD	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	1975, 0.374, WSW
I34	EL CAJON #3 EXXON	7006 EL CAJON BL	LUST, EMI, HIST CORTESE	Higher	1975, 0.374, WSW
I35	MOBIL STATION #18 PW	7003 EL CAJON BLVD	LUST, SWEEPS UST, CHMIRS	Higher	2088, 0.395, WSW
I36	70TH MOBIL	7003 EL CAJON BL	LUST, CPS-SLIC, HIST CORTESE, SAN DIEGO CO LOP	Higher	2088, 0.395, WSW
I37	70TH MOBIL	7003 EL CAJON BL	SAN DIEGO CO. SAM	Higher	2088, 0.395, WSW
I38	MOBIL SERVICE STATIO	7003 EL CAJON BLVD	LUST	Higher	2088, 0.395, WSW
J39	ORAM'S AUTO ELECTRIC	7801 EL CAJON BLVD	LUST, San Diego Co. HMMD, SAN DIEGO CO LOP	Higher	2111, 0.400, ESE

MAPPED SITES SUMMARY

Target Property Address:
7401 ALVARADO RD
LA MESA, CA 91941

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	AUTOZONE #2809	7791 EL CAJON BL	LUST, CPS-SLIC, HIST CORTESE	Higher	2120, 0.402, SE
J41	STANDARD BRANDS	7791 EL CAJON BLVD	LUST	Higher	2120, 0.402, SE
J42	AUTOZONE #2809	7791 EL CAJON BL	SAN DIEGO CO. SAM	Higher	2120, 0.402, SE
I43	CHEVRON STATION #9-5	6992 EL CAJON BLVD	LUST	Higher	2124, 0.402, WSW
I44	CHEVRON STATION 9 52	6992 EL CAJON BLVD	RCRA-SQG, SAN DIEGO CO. SAM, FINDS, ECHO	Higher	2124, 0.402, WSW
I45	CHEVRON SERV. STA.	6992 EL CAJON	LUST, HIST CORTESE	Higher	2124, 0.402, WSW
K46	WINSTON AUTO CARE	6970 EL CAJON BL	SAN DIEGO CO. SAM, San Diego Co. HMMD	Higher	2248, 0.426, WSW
K47	WINSTON AUTO CENTER	6970 EL CAJON BL	CPS-SLIC	Higher	2248, 0.426, WSW
L48	IN-OUT-MARKET STN#10	5465 LAKE MURRAY BL	LUST, CPS-SLIC, HIST CORTESE, Notify 65	Higher	2355, 0.446, North
L49	IN-OUT MARKET STN#10	5465 LAKE MURRAY BLV	LUST, SWEEPS UST	Higher	2355, 0.446, North
L50	IN-OUT-MARKET STN#10	5465 LAKE MURRAY BL	SAN DIEGO CO. SAM	Higher	2355, 0.446, North
M51	DIXIE WITTIE/JAMES B	7841 EL CAJON	LUST, HIST CORTESE	Higher	2373, 0.449, ESE
M52	DIXIE WITTIE/ AMES B	7841 EL CAJON BLVD	LUST	Higher	2373, 0.449, ESE
M53	DIXIE L WITTIE AT042	7841 EL CAJON BL	SAN DIEGO CO. SAM	Higher	2373, 0.449, ESE
54	GENERAL MOTORS SITE	5159 BALTIMORE DR	SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co. HMMD,...	Higher	2584, 0.489, East
55	TOMS CLEANERS	6784 EL CAJON BL	ENVIROSTOR, SAN DIEGO CO. SAM, CPS-SLIC, San Diego...	Higher	3370, 0.638, WSW
56	BRADCO INTERNATIONAL	8104 COMMERCIAL ST	LUST, SAN DIEGO CO. SAM, CPS-SLIC, HIST UST,...	Higher	3572, 0.677, East
57	BOB STALL CHEVROLET	4999 BALTIMORE DR	ENVIROSTOR, LUST, HIST CORTESE	Higher	3606, 0.683, ESE
58	LA MESA LUMBER COMPA	4981 SPRING ST	ENVIROSTOR, LUST, SAN DIEGO CO. SAM, CPS-SLIC, San...	Higher	4103, 0.777, ESE
59	EQUALITY PLATING CO	8172 CENTER ST	RCRA-LQG, ENVIROSTOR, San Diego Co. HMMD, DEED,...	Higher	4284, 0.811, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

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

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

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

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

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

EXECUTIVE SUMMARY

Federal ERNS list

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

State- and tribal - equivalent NPL

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

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

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

San Diego Co. HMMD ..... Hazardous Materials Management Division Database
Toxic Pits ..... Toxic Pits Cleanup Act Sites
US CDL ..... National Clandestine Laboratory Register
CERS HAZ WASTE ..... CERS HAZ WASTE

Local Lists of Registered Storage Tanks

CA FID UST ..... Facility Inventory Database
CERS TANKS ..... California Environmental Reporting System (CERS) Tanks

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
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing
SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
SSTS ..... Section 7 Tracking Systems
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
PADS ..... PCB Activity Database System
ICIS ..... Integrated Compliance Information System
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ..... Material Licensing Tracking System
COAL ASH DOE ..... Steam-Electric Plant Operation Data
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
RADINFO ..... Radiation Information Database
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
CONSENT ..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV ..... Indian Reservations
FUSRAP ..... Formerly Utilized Sites Remedial Action Program
UMTRA ..... Uranium Mill Tailings Sites
LEAD SMELTERS ..... Lead Smelter Sites
US AIRS ..... Aerometric Information Retrieval System Facility Subsystem

US MINES - Mines Master Index File
ABANDONED MINES - Abandoned Mines
FINDS - Facility Index System/Facility Registry System
ECHO - Enforcement & Compliance History Information
UXO - Unexploded Ordnance Sites
DOCKET HWC - Hazardous Waste Compliance Docket Listing
FUELS PROGRAM - EPA Fuels Program Registered Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
Cortese - "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings - CUPA Resources List
EMI - Emissions Inventory Data
ENF - Enforcement Action Listing
Financial Assurance - Financial Assurance Information Listing
HAZNET - Facility and Manifest Data
ICE - ICE
HWP - EnviroStor Permitted Facilities Listing
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
NPDES - NPDES Permits Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
UIC - UIC Listing
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
PROJECT - PROJECT (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
UIC GEO - UIC GEO (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
CERS - CERS
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
SAN DIEGO CO LOP - Local Oversight Program Listing
CIWQS - California Integrated Water Quality System
WDR - Waste Discharge Requirements Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP - EDR Proprietary Manufactured Gas Plants

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.

EXECUTIVE SUMMARY

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOB STALL CHEVROLET EPA ID:: CAR000015479	***7601 ALVARADO RD***	***ENE 0 - 1/8 (0.080 mi.)***	***D8***	***15***
COMMERCIAL RADIATOR EPA ID:: CAD981983943	***7371 MOHAWK ST***	***S 1/8 - 1/4 (0.160 mi.)***	***14***	***58***
CHEVRON STATION 9 35 EPA ID:: CAD983666058	***7651 ALVARADO RD***	***E 1/8 - 1/4 (0.176 mi.)***	***E18***	***68***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPORT & IMPORT AUTO EPA ID:: CAD115327579	***7243 ALVARADO***	***W 0 - 1/8 (0.006 mi.)***	***B3***	***9***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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 07/30/2018 has revealed that there are

5 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRESTIGIOUS AUTOMOTI	***5301 LAKE MURRAY BLV***	***WNW 1/4 - 1/2 (0.275 mi.)***	***F23***	***87***
Facility Id: 37750006				
Status: Refer: 1248 Local Agency				
TOMS CLEANERS	***6784 EL CAJON BL***	***WSW 1/2 - 1 (0.638 mi.)***	***55***	***216***
Facility Id: 37000071				
Status: Refer: 1248 Local Agency				
BOB STALL CHEVROLET	***4999 BALTIMORE DR***	***ESE 1/2 - 1 (0.683 mi.)***	***57***	***224***
Facility Id: 37550010				
Status: Refer: 1248 Local Agency				
LA MESA LUMBER COMPA	***4981 SPRING ST***	***ESE 1/2 - 1 (0.777 mi.)***	***58***	***229***
Facility Id: 37000054				
Status: Refer: 1248 Local Agency				
EQUALITY PLATING CO	***8172 CENTER ST***	***E 1/2 - 1 (0.811 mi.)***	***59***	***236***
Facility Id: 71002934				
Status: Certified O&M - Land Use Restrictions Only				

State and tribal leaking storage tank lists

SAN DIEGO CO. SAM: The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

A review of the SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 17 SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOB STALL CHEVROLET	***7601 ALVARADO RD***	***ENE 0 - 1/8 (0.080 mi.)***	***D7***	***14***
Case Number: H02651-001				
Facility Status: Closed Case				
CHEVRON #93521	7651 ALVARADO RD	E 1/8 - 1/4 (0.176 mi.)	E16	61
Case Number: H12687-001				
Case Number: H12687-002				
Facility Status: Closed Case				
WALLY'S AUTO REPAIR	***7393 EL CAJON BLVD***	***S 1/8 - 1/4 (0.235 mi.)***	***21***	***78***
Case Number: 1910950				
Facility Status: Remedial Investigation				
SALVATORI CAETI	***7590 EL CAJON BL***	***SE 1/8 - 1/4 (0.249 mi.)***	***22***	***85***
Case Number: 207256-001				
Facility Status: Closed Case				
PRESTIGIOUS AUTOMOTI	***5301 LAKE MURRAY BLV***	***WNW 1/4 - 1/2 (0.275 mi.)***	***F23***	***87***
Case Number: H13919-001				
Facility Status: Preliminary Assessment				
LAKE MURRAY SHELL	5302 LAKE MURRAY BL	WNW 1/4 - 1/2 (0.320 mi.)	F28	134
Case Number: H13497-001				
Case Number: H13497-002				
Case Number: H13497-003				

Facility Status: Closed Case				
FRANK HABETLER FOREI Case Number: H12544-001 Facility Status: Closed Case	7075 EL CAJON BL	WSW 1/4 - 1/2 (0.325 mi.)	H31	140
A FINE PROPERTY, INC Case Number: H12307-001 Case Number: H12307-002 Facility Status: Remedial Investigation	***7006 EL CAJON BLVD***	***WSW 1/4 - 1/2 (0.374 mi.)***	***I33***	***141***
70TH MOBIL Case Number: H05480-001 Case Number: H05480-002 Case Number: H05480-003 Case Number: H05480-004 Facility Status: Preliminary Assessment Facility Status: Closed Case	7003 EL CAJON BL	WSW 1/4 - 1/2 (0.395 mi.)	I37	183
AUTOZONE #2809 Case Number: H20547-001 Case Number: H20547-002 Facility Status: Closed Case	7791 EL CAJON BL	SE 1/4 - 1/2 (0.402 mi.)	J42	190
CHEVRON STATION 9 52 Case Number: H05658-001 Facility Status: Closed Case	***6992 EL CAJON BLVD***	***WSW 1/4 - 1/2 (0.402 mi.)***	***I44***	***191***
WINSTON AUTO CARE Case Number: H15009-001 Facility Status: Closed Case	***6970 EL CAJON BL***	***WSW 1/4 - 1/2 (0.426 mi.)***	***K46***	***194***
IN-OUT-MARKET STN#10 Case Number: H04549-001 Case Number: H04549-002 Facility Status: Remedial Action (Clean-Up) Facility Status: Closed Case	5465 LAKE MURRAY BL	N 1/4 - 1/2 (0.446 mi.)	L50	212
DIXIE L WITTIE AT042 Case Number: H20553-001 Facility Status: Closed Case	7841 EL CAJON BL	ESE 1/4 - 1/2 (0.449 mi.)	M53	215
GENERAL MOTORS SITE Case Number: H01883-001 Case Number: H01883-002 Facility Status: Closed Case	***5159 BALTIMORE DR***	***E 1/4 - 1/2 (0.489 mi.)***	***54***	***215***

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
SID'S AUTO BODY Case Number: H22376-001 Facility Status: Closed Case	***7241 ALVARADO RD***	***W 0 - 1/8 (0.066 mi.)***	***C5***	***12***
70TH STREET SHELL Case Number: H13427-001 Case Number: H13427-002 Facility Status: Remedial Investigation Facility Status: Closed Case	***5151 70TH ST***	***W 1/4 - 1/2 (0.289 mi.)***	***G26***	***100***

EXECUTIVE SUMMARY

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 25 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOB STALL CHEVROLET	***7601 ALVARADO RD***	***ENE 0 - 1/8 (0.080 mi.)***	***D9***	***47***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Closed Date: 7/26/96 Status: Case Closed Global Id: T0607303179 Case Number: 9UT943				
DAVE DIGIAM BATTISTA	***8500 ALVARADO RD***	***E 1/8 - 1/4 (0.153 mi.)***	***E13***	***55***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Closed Date: 12/4/87 Status: Case Closed Case Number: 9UT790				
CHEVRON #93521	***7651 ALVARADO RD***	***E 1/8 - 1/4 (0.176 mi.)***	***E17***	***62***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Status: Preliminary site assessment underway Global Id: T0607300750 Case Number: 9UT1975				
WALLY'S AUTO REPAIR	***7393 EL CAJON BLVD***	***S 1/8 - 1/4 (0.235 mi.)***	***21***	***78***
Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Global Id: T06019704535				
SALVATORI CAETI	***7590 EL CAJON BL***	***SE 1/8 - 1/4 (0.249 mi.)***	***22***	***85***
Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Global Id: T0619766064				
LAKE MURRAY SHELL	***5302 LAKE MURRAY BLV***	***WNW 1/4 - 1/2 (0.320 mi.)***	***F27***	***104***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Closed Date: 5/31/89 Status: Case Closed Case Number: 9UT2872				
LAKE MURRAY SHELL	***5302 LAKE MURRAY BL***	***WNW 1/4 - 1/2 (0.320 mi.)***	***F29***	***135***
Database: LUST REG 9, Date of Government Version: 03/01/2001 Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Status: Preliminary site assessment underway Global Id: T0607301020 Global Id: T0607301633 Case Number: 9UT2254				
FRANK HABETLER FOREI	***7075 EL CAJON BL***	***WSW 1/4 - 1/2 (0.325 mi.)***	***H30***	***138***
Database: LUST, Date of Government Version: 06/11/2018 Status: Completed - Case Closed Global Id: T0607300429				
FRANK HABETLER'S AUT	7075 EL CAJON BLVD	WSW 1/4 - 1/2 (0.325 mi.)	H32	140
Database: LUST REG 9, Date of Government Version: 03/01/2001				

Closed Date: 5/21/98
Status: Case Closed
Case Number: 9UT1608

A FINE PROPERTY, INC ***7006 EL CAJON BLVD*** ***WSW 1/4 - 1/2 (0.374 mi.)*** ***I33*** ***141***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment underway
Status: Preliminary site assessment workplan submitted
Case Number: 9UT1971
Case Number: 9UT3662

EL CAJON #3 EXXON ***7006 EL CAJON BL*** ***WSW 1/4 - 1/2 (0.374 mi.)*** ***I34*** ***164***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0607302427
Global Id: T0607300746

MOBIL STATION #18 PW ***7003 EL CAJON BLVD*** ***WSW 1/4 - 1/2 (0.395 mi.)*** ***I35*** ***171***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 2/16/01
Status: Case Closed
Case Number: 9UT3153

70TH MOBIL ***7003 EL CAJON BL*** ***WSW 1/4 - 1/2 (0.395 mi.)*** ***I36*** ***174***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0607301921
Global Id: T0607303128
Global Id: T06019790476

MOBIL SERVICE STATIO 7003 EL CAJON BLVD WSW 1/4 - 1/2 (0.395 mi.) I38 184
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 8/15/91
Status: Case Closed
Case Number: 9UT885

ORAM'S AUTO ELECTRIC ***7801 EL CAJON BLVD*** ***ESE 1/4 - 1/2 (0.400 mi.)*** ***J39*** ***185***
Database: LUST, Date of Government Version: 06/11/2018
Status: Open - Site Assessment
Global Id: T10000009103

AUTOZONE #2809 ***7791 EL CAJON BL*** ***SE 1/4 - 1/2 (0.402 mi.)*** ***J40*** ***188***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0607301995

STANDARD BRANDS 7791 EL CAJON BLVD SE 1/4 - 1/2 (0.402 mi.) J41 189
Database: LUST REG 9, Date of Government Version: 03/01/2001

CHEVRON STATION #9-5 6992 EL CAJON BLVD WSW 1/4 - 1/2 (0.402 mi.) I43 190
Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 5/17/00
Status: Case Closed
Case Number: 9UT1197

CHEVRON SERV. STA. ***6992 EL CAJON*** ***WSW 1/4 - 1/2 (0.402 mi.)*** ***I45*** ***192***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0607300161

IN-OUT-MARKET STN#10 ***5465 LAKE MURRAY BL*** ***N 1/4 - 1/2 (0.446 mi.)*** ***L48*** ***207***
Database: LUST, Date of Government Version: 06/11/2018

Status: Completed - Case Closed
Global Id: T0607300166

IN-OUT MARKET STN#10	***5465 LAKE MURRAY BLV***	***N 1/4 - 1/2 (0.446 mi.)***	***L49***	***211***

Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment underway
Case Number: 9UT1209

DIXIE WITTIE/JAMES B	***7841 EL CAJON***	***ESE 1/4 - 1/2 (0.449 mi.)***	***M51***	***213***

Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0607301236

DIXIE WITTIE/ AMES B	7841 EL CAJON BLVD	ESE 1/4 - 1/2 (0.449 mi.)	M52	214

Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 6/13/95
Status: Case Closed
Case Number: 9UT2482

Lower Elevation	Address	Direction / Distance	Map ID	Page
TEXACO	***5151 70TH ST N***	***W 1/4 - 1/2 (0.289 mi.)***	***G24***	***88***

Database: LUST REG 9, Date of Government Version: 03/01/2001
Closed Date: 11/20/87
Status: Case Closed
Case Number: 9UT168

TEXACO REFINING & MA	***5151 70TH ST***	***W 1/4 - 1/2 (0.289 mi.)***	***G25***	***95***

Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0607300496
Global Id: T0607341936

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAVE DIGIAM BATTISTA	***8500 ALVARADO RD***	***E 1/8 - 1/4 (0.153 mi.)***	***E13***	***55***

Database: CPS-SLIC, Date of Government Version: 06/11/2018
Facility Status: Completed - Case Closed
Global Id: T0607303043

CHEVRON #93521	***7651 ALVARADO RD***	***E 1/8 - 1/4 (0.176 mi.)***	***E17***	***62***

Database: CPS-SLIC, Date of Government Version: 06/11/2018
Facility Status: Completed - Case Closed
Global Id: T0608185675

PRESTIGIOUS AUTOMOTI	***5301 LAKE MURRAY BLV***	***WNW 1/4 - 1/2 (0.275 mi.)***	***F23***	***87***

Database: CPS-SLIC, Date of Government Version: 06/11/2018
Facility Status: Completed - Case Closed
Global Id: T06019797286

LAKE MURRAY SHELL	***5302 LAKE MURRAY BL***	***WNW 1/4 - 1/2 (0.320 mi.)***	***F29***	***135***

Database: CPS-SLIC, Date of Government Version: 06/11/2018

Facility Status: Completed - Case Closed
Global Id: T0608171403

70TH MOBIL ***7003 EL CAJON BL*** ***WSW 1/4 - 1/2 (0.395 mi.)*** ***I36*** ***174***
Database: CPS-SLIC, Date of Government Version: 06/11/2018
Facility Status: Completed - Case Closed
Global Id: T0608153856

AUTOZONE #2809 ***7791 EL CAJON BL*** ***SE 1/4 - 1/2 (0.402 mi.)*** ***J40*** ***188***
Database: CPS-SLIC, Date of Government Version: 06/11/2018
Facility Status: Completed - Case Closed
Global Id: T0608197864

WINSTON AUTO CENTER 6970 EL CAJON BL WSW 1/4 - 1/2 (0.426 mi.) K47 207
Database: CPS-SLIC, Date of Government Version: 06/11/2018
Facility Status: Completed - Case Closed
Global Id: SLT19767204

IN-OUT-MARKET STN#10 ***5465 LAKE MURRAY BL*** ***N 1/4 - 1/2 (0.446 mi.)*** ***L48*** ***207***
Database: CPS-SLIC, Date of Government Version: 06/11/2018
Facility Status: Completed - Case Closed
Global Id: T0608195734

GENERAL MOTORS SITE ***5159 BALTIMORE DR*** ***E 1/4 - 1/2 (0.489 mi.)*** ***54*** ***215***
Database: CPS-SLIC, Date of Government Version: 06/11/2018
Facility Status: Completed - Case Closed
Global Id: T0608101647

Lower Elevation	Address	Direction / Distance	Map ID	Page

SID'S AUTO BODY ***7241 ALVARADO RD*** ***W 0 - 1/8 (0.066 mi.)*** ***C5*** ***12***
Database: CPS-SLIC, Date of Government Version: 06/11/2018
Facility Status: Completed - Case Closed
Global Id: T0608128900

State and tribal registered storage tank lists

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

BOB STALL CHEVROLET ***7601 ALVARADO RD*** ***ENE 0 - 1/8 (0.080 mi.)*** ***D8*** ***15***
Database: AST, Date of Government Version: 07/06/2016

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank

listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOB STALL CHEVROLET	***7601 ALVARADO RD***	***ENE 0 - 1/8 (0.080 mi.)***	***D9***	***47***
Status: A				
Comp Number: 2651				
DAVE DIGIAM BATTISTA	***8500 ALVARADO RD***	***E 1/8 - 1/4 (0.153 mi.)***	***E13***	***55***
Status: A				
Comp Number: 24707				
CHEVRON #93521	***7651 ALVARADO RD***	***E 1/8 - 1/4 (0.176 mi.)***	***E17***	***62***
Status: A				
Comp Number: 12687				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FUNSTON AND CAROL JO	***7243 ALVARADO RD***	***W 0 - 1/8 (0.006 mi.)***	***B4***	***11***
Comp Number: 13326				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOB STALL CHEVROLET	***7601 ALVARADO RD***	***ENE 0 - 1/8 (0.080 mi.)***	***D9***	***47***
Facility Id: 00000002555				
93521	7651 ALVARADO RD	E 1/8 - 1/4 (0.176 mi.)	E15	60
Facility Id: 00000062456				
AUTOMOTIVE TOWING IN	7182 EL CAJON BLVD	SW 1/8 - 1/4 (0.223 mi.)	20	77
Facility Id: 00000001415				

Records of Emergency Release Reports

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 04/06/2018 has revealed that there is 1 CHMIRS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	7407 ALVARADO RD	0 - 1/8 (0.000 mi.)	A1	8
OES Incident Number: 992127				

EXECUTIVE SUMMARY

Date Completed: 29-JUN-88

Other Ascertainable Records

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SDCTY WUD COLLEGE HE	***7255 SARANAC ST***	***WSW 0 - 1/8 (0.075 mi.)***	***6***	***13***
EPA ID:: CA0000935098				

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

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIVERSITY CLEANERS	***7360 EL CAJON BL***	***SSW 1/8 - 1/4 (0.201 mi.)***	***19***	***70***
Database: DRYCLEANERS, Date of Government Version: 05/31/2018				
EPA Id: CAL000415408				
EPA Id: CAL000213231				

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 12 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOB STALL CHEVROLET	***7601 ALVARADO RD***	***ENE 0 - 1/8 (0.080 mi.)***	***D9***	***47***
Reg Id: 9UT943				
DAVE DIGIAM BATTISTA	***8500 ALVARADO RD***	***E 1/8 - 1/4 (0.153 mi.)***	***E13***	***55***
Reg Id: 9UT790				
CHEVRON #93521	***7651 ALVARADO RD***	***E 1/8 - 1/4 (0.176 mi.)***	***E17***	***62***
Reg Id: 9UT1975				
LAKE MURRAY SHELL	***5302 LAKE MURRAY BL***	***WNW 1/4 - 1/2 (0.320 mi.)***	***F29***	***135***
Reg Id: 9UT2254				

Reg Id: 9UT2872				
FRANK HABETLER FOREI	***7075 EL CAJON BL***	***WSW 1/4 - 1/2 (0.325 mi.)***	***H30***	***138***
Reg Id: 9UT1608				
EL CAJON #3 EXXON	***7006 EL CAJON BL***	***WSW 1/4 - 1/2 (0.374 mi.)***	***I34***	***164***
Reg Id: 9UT3662				
Reg Id: 9UT1971				
70TH MOBIL	***7003 EL CAJON BL***	***WSW 1/4 - 1/2 (0.395 mi.)***	***I36***	***174***
Reg Id: 9UT885				
Reg Id: 9UT3153				
AUTOZONE #2809	***7791 EL CAJON BL***	***SE 1/4 - 1/2 (0.402 mi.)***	***J40***	***188***
Reg Id: 9UT3241				
CHEVRON SERV. STA.	***6992 EL CAJON***	***WSW 1/4 - 1/2 (0.402 mi.)***	***I45***	***192***
Reg Id: 9UT1197				
IN-OUT-MARKET STN#10	***5465 LAKE MURRAY BL***	***N 1/4 - 1/2 (0.446 mi.)***	***L48***	***207***
Reg Id: 9UT1209				
DIXIE WITTIE/JAMES B	***7841 EL CAJON***	***ESE 1/4 - 1/2 (0.449 mi.)***	***M51***	***213***
Reg Id: 9UT2482				

Lower Elevation	Address	Direction / Distance	Map ID	Page
TEXACO REFINING & MA	***5151 70TH ST***	***W 1/4 - 1/2 (0.289 mi.)***	***G25***	***95***
Reg Id: 9UT168				

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

A review of the Notify 65 list, as provided by EDR, and dated 06/18/2018 has revealed that there are 2 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
IN-OUT-MARKET STN#10	***5465 LAKE MURRAY BL***	***N 1/4 - 1/2 (0.446 mi.)***	***L48***	***207***
BRADCO INTERNATIONAL	***8104 COMMERCIAL ST***	***E 1/2 - 1 (0.677 mi.)***	***56***	***219***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto

sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WRIGHT MOBIL SERVICE	7407 ALVARADO RD	WNW 0 - 1/8 (0.002 mi.)	A2	9

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN PAINT & BOD	7245 ALVARADO RD	W 0 - 1/8 (0.085 mi.)	C10	54
SPORT & IMPORT	7243 ALVARADO RD	W 0 - 1/8 (0.088 mi.)	C12	54

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

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

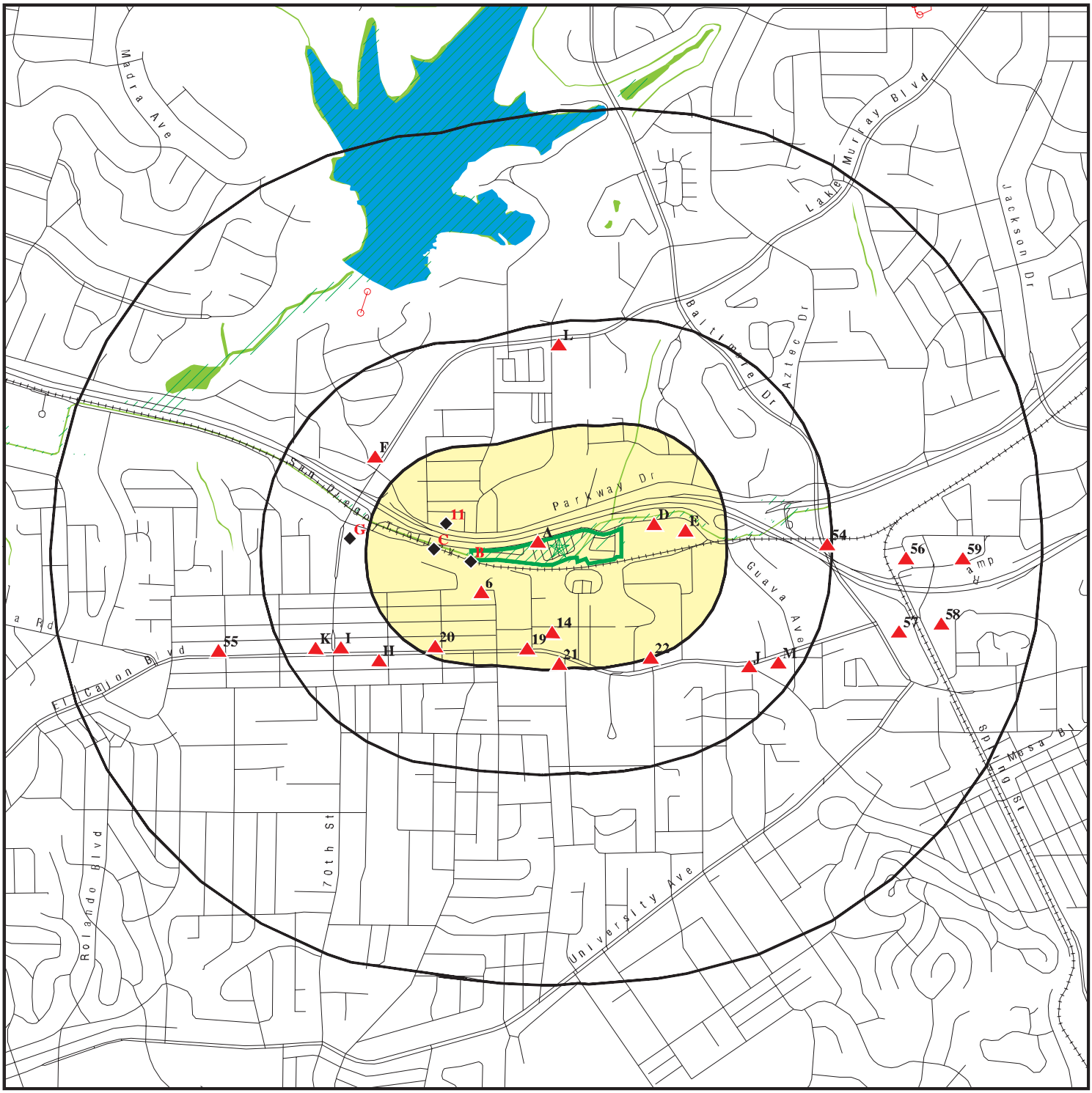
Lower Elevation	Address	Direction / Distance	Map ID	Page
PARKWAY CLEANERS	7200 PARKWAY DR	WNW 0 - 1/8 (0.088 mi.)	11	54

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 9 records.

Site Name	Database(s)
PHOENIX RESEARCH CORP	SAN DIEGO CO. SAM, SAN DIEGO CO LOP
ALVARADO CREEK REDEVELOPMENT	RGA LUST
ALVARADO CREEK REDEVELOPMEN	RGA LUST
C MOORE & SCOTT RICHARDS MD	San Diego Co. HMMD
B C R INC AT0613	SAN DIEGO CO. SAM
AUTO CORRAL	SAN DIEGO CO. SAM
DAVE DIGIAM BATTISTA	SAN DIEGO CO. SAM
AARON BROTHERS	SAN DIEGO CO. SAM
CITICORP PLAZA	SAN DIEGO CO. SAM

OVERVIEW MAP - 5444787.2S



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

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

SITE NAME: Alvarado Creek RV Park	CLIENT: SCS Engineers
ADDRESS: 7401 Alvarado Rd La Mesa CA 91942	CONTACT: Allison Oneal
LAT/LONG: 32.772336 / 117.037863	INQUIRY #: 5444787.2s DATE: October 04, 2018 8:07 pm

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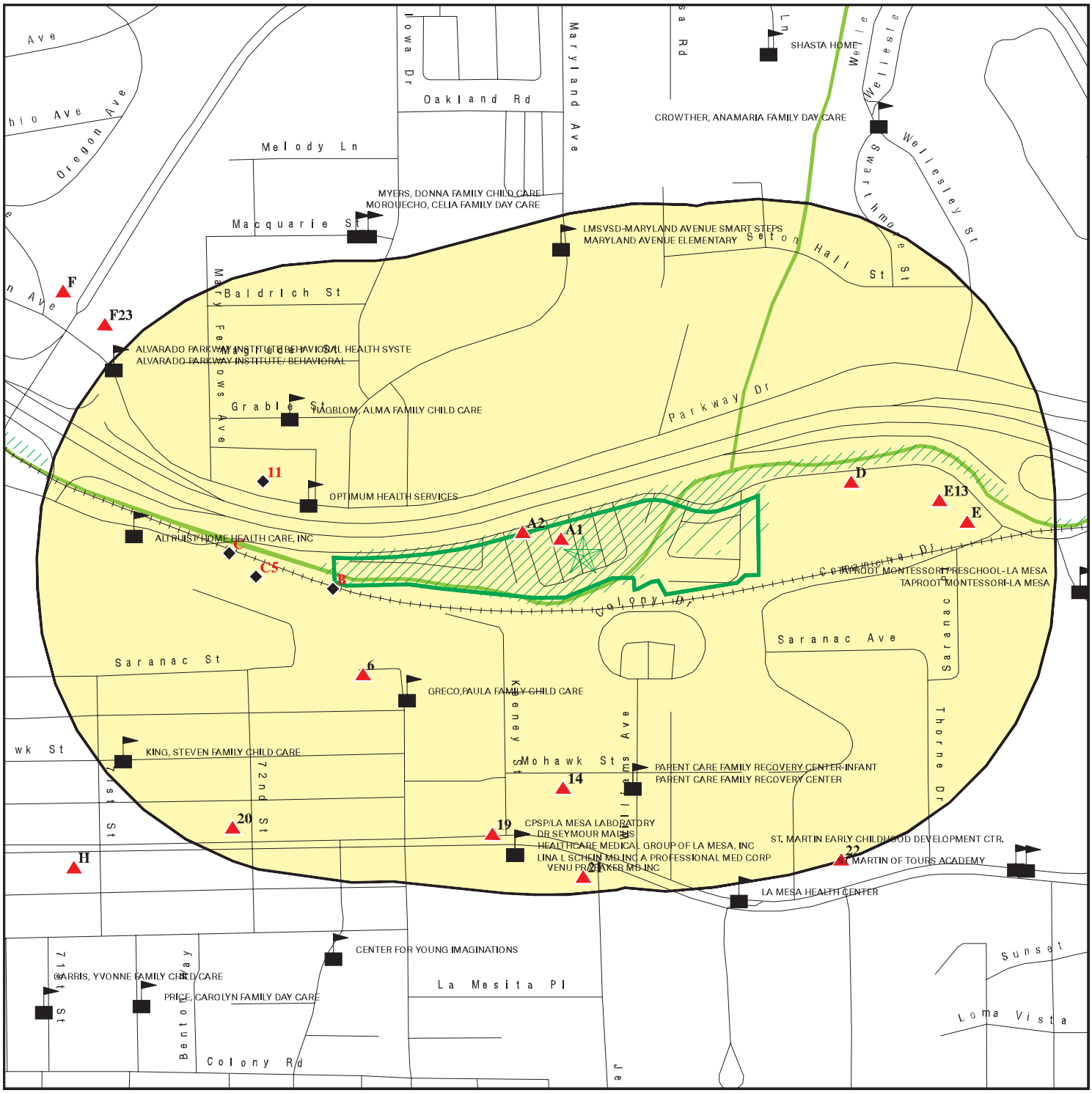
DETAIL MAP - 5444787.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

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:	Alvarado Creek RV Park	CLIENT:	SCS Engineers
ADDRESS:	7401 Alvarado Rd La Mesa CA 91942	CONTACT:	Allison Oneal
LAT/LONG:	32.772336 / 117.037863	INQUIRY #:	5444787.2s
		DATE:	October 04, 2018 8:08 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		2	2	NR	NR	NR	4
RCRA-CESQG	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 CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	1	4	NR	5
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
SAN DIEGO CO. SAM	0.500		2	3	12	NR	NR	17

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST	0.500		1	4	20	NR	NR	25
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		1	2	7	NR	NR	10
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
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	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
San Diego Co. HMMD	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		2	2	NR	NR	NR	4
HIST UST	0.250		1	2	NR	NR	NR	3
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	2	9	NR	NR	12
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	1	1	NR	2
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
SAN DIEGO CO LOP	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	17	18	50	5	0	90

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **CHMIRS** **S100223219**
N/A

7407 ALVARADO RD
< 1/8 **LA MESA, CA 91941**
1 ft.

Site 1 of 2 in cluster A

Relative: CHMIRS:
Higher

OES Incident Number:	992127
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**29-JUN-88**
Property Use:	400
Agency Id Number:	37717
Agency Incident Number:	88285
Time Notified:	2306
Time Completed:	30
Surrounding Area:	400
Estimated Temperature:	70
Property Management:	Not reported
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	NICK VENT
Report Date:	28-JUN-88
Facility Telephone:	619 236-2222
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	28-JUN-88
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported

Actual:
416 ft.

(Continued) **S100223219**

Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

A2 **WRIGHT MOBIL SERVICE** **EDR Hist Auto** **1020542681**
WNW **7407 ALVARADO RD** **N/A**
< 1/8 **LA MESA, CA 91941**
0.002 mi.
8 ft. **Site 2 of 2 in cluster A**

Relative: EDR Hist Auto
Higher

Actual:
418 ft.

Year:	Name:	Type:
2001	WRIGHT MOBIL SERVICE	Gasoline Service Stations
2002	WRIGHT MOBIL SERVICE	Gasoline Service Stations
2003	WRIGHT MOBIL SERVICE	Gasoline Service Stations
2004	WRIGHT MOBIL SERVICE	Gasoline Service Stations
2005	WRIGHT MOBIL SERVICE	Gasoline Service Stations

B3 **SPORT & IMPORT AUTO SERV** **RCRA-SQG** **1000369679**
West **7243 ALVARADO** **FINDS** **CAD115327579**
< 1/8 **LA MESA, CA 91941** **ECHO**
0.006 mi.
30 ft. **Site 1 of 2 in cluster B**

Relative: RCRA-SQG:
Lower

Actual:
404 ft.

Date form received by agency:	11/13/1985
Facility name:	SPORT & IMPORT AUTO SERV
Facility address:	7243 ALVARADO LA MESA, CA 91941
EPA ID:	CAD115327579
Contact:	ENVIRONMENTAL MANAGER
Contact address:	7243 ALVARADO LA MESA, CA 92041
Contact country:	US
Contact telephone:	619-461-8338
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

SPORT & IMPORT AUTO SERV (Continued) **1000369679**

Owner/Operator Summary:

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

Owner/operator name:	RALPH ISTWAN
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

Violation Status: No violations found

FINDS:

Registry ID: 110006468429

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.

SPORT & IMPORT AUTO SERV (Continued) **1000369679**

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

ECHO:
- Envid: 1000369679
- Registry ID: 110006468429
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006468429

B4 **FUNSTON AND CAROL JOHNSON** **San Diego Co. HMMD** **S104747764**
West **7243 ALVARADO RD** **SWEEPS UST** **N/A**
< 1/8 **LA MESA, CA 91941**
0.006 mi.
30 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
404 ft.

HMMD SAN DIEGO:
- Permit Number: 113326
- Business Type: 6HK03
- EPA Id Number: CAD115327579
- APN: 469-020-34-00
- Last HMMD Inspection: 06/26/1991
- Facility Telephone: 619-916-6264
- Permit Status: INAC
- Permit Expiration: 06/26/1991
- Date Last Updated: 11/02/2012
- Facility Owner: FUNSTON JOHNSON
- Facility Mailing Address: 7243 ALVARADO RD
- Facility Mailing City: LA MESA
- Facility Mailing State: CA
- Facility Mailing Zip: 91941-3303
- UST Owner: TIM A CUNNINGHAM
- Handle Regulated Hazmat: Not reported
- Own Or Operate UST: Not reported
- Subject To APSA: Not reported
- Generate Haz Waste: Not reported
- Treat Haz Waste: Not reported
- Generate Medical Waste: Not reported

UST:
- UST Name: UNDERGROUND TANK 113326 T001
- Last Update: 2012-11-02 14:17:38
- Permit Number: 113326
- Tank Type: SINGLE WALL
- Additional Id: 01
- Capacity Gallons: 250
- UST Contents: Not reported
- Other Content Info: WASTE OIL
- Reg Status: REMOVED
- Remove Close Date: 1992-02-06 00:00:00
- Year Installed: Not reported
- Pipe Type: Not reported
- Delivery System: Not reported
- Monitor Code: 07
- UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

FUNSTON AND CAROL JOHNSON (Continued) **S104747764**

SWEEPS UST:

Status:	Not reported
Comp Number:	13326
Number:	Not reported
Board Of Equalization:	44-022754
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013326-000001
Tank Status:	Not reported
Capacity:	250
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

C5 **SID'S AUTO BODY** **SAN DIEGO CO. SAM S108407249**
West **7241 ALVARADO RD** **CPS-SLIC N/A**
< 1/8 **LA MESA, CA 91941**
0.066 mi.
348 ft. **Site 1 of 3 in cluster C**

Relative:
Lower

Actual:
403 ft.

SAN DIEGO CO. SAM:

Case Number:	H22376-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	10/18/2005
Date Began:	1/14/2002

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/18/2005
Global Id:	T0608128900
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H22376-001
Latitude:	32.772083
Longitude:	-117.042595
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

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

6
WSW
< 1/8
0.075 mi.
394 ft.

SDCTY WUD COLLEGE HEIGHTS SP
7255 SARANAC ST
SAN DIEGO, CA 92115

RCRA NonGen / NLR **1000978163**
FINDS **CA0000935098**
ECHO

Relative:
Higher

Actual:
479 ft.

RCRA NonGen / NLR:

Date form received by agency:	09/05/1997
Facility name:	SDCTY WUD COLLEGE HEIGHTS SP
Facility address:	7255 SARANAC ST SAN DIEGO, CA 92115
EPA ID:	CA0000935098
Mailing address:	9601 RIDGEHAVEN CT STE 320 SAN DIEGO, CA 92123-1636
Contact:	KIRK GALARNEAU
Contact address:	9601 RIDGEHAVEN CT STE 320 SAN DIEGO, CA 92123-1636
Contact country:	US
Contact telephone:	619-573-1280
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CITY OF SAN DIEGO
Owner/operator address:	4950 MURPHY CANYON RD STE 201 SAN DIEGO, CA 92123
Owner/operator country:	Not reported
Owner/operator telephone:	619-492-5005
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency:	11/16/1994

SDCTY WUD COLLEGE HEIGHTS SP (Continued) **1000978163**

Site name: SDCTY WUD COLLEGE HEIGHTS SP
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002621413

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: 1000978163
Registry ID: 110002621413
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002621413

D7 **BOB STALL CHEVROLET** **SAN DIEGO CO. SAM** **S108406965**
ENE **7601 ALVARADO RD** **SAN DIEGO CO LOP** **N/A**
< 1/8 **LA MESA, CA 91941**
0.080 mi.
420 ft. **Site 1 of 3 in cluster D**

Relative:
Higher

Actual:
427 ft.

SAN DIEGO CO. SAM:
Case Number: H02651-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 7/26/1996
Date Began: 11/24/1986

SAN DIEGO CO LOP:
Record ID: DEH1988-LSAM-H02651-001
Record Status: Completed
Opened Date: 02/22/1988
Parcel Number: 469-021-08-00
Case Type: LOP - Local Oversight Program
Historical Name: LA MESA R V CENTER INC
SWRCB Global ID: T0607303179
Funding: F - LOP Federal Fund
Lead Agency: DEH/SAM
Lead Agency Date: 11/24/1986
Census Tract: 148.06
Community: La Mesa
Jurisdiction: LA MESA
Watershed Basin Number: 907.11
Water Purveyor: LA MESA

BOB STALL CHEVROLET (Continued) **S108406965**

Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 G 2
Latitude:	32.7730923
Longitude:	-117.0327063
X MapCoord:	6321081.062
Y MapCoord:	1861980.849

D8 **BOB STALL CHEVROLET** **RCRA-SQG** **1001122714**
ENE **7601 ALVARADO RD** **AST** **CAR000015479**
< 1/8 **LA MESA, CA 91941** **San Diego Co. HMMD**
0.080 mi. **FINDS**
420 ft. **Site 2 of 3 in cluster D** **ECHO**
HAZNET

Relative:
Higher

Actual:
427 ft.

RCRA-SQG:

Date form received by agency:	10/07/1996
Facility name:	BOB STALL CHEVROLET
Facility address:	7601 ALVARADO RD LA MESA, CA 91941
EPA ID:	CAR000015479
Contact:	JOHN HOSKINS
Contact address:	7601 ALVARADO RD LA MESA, CA 91941
Contact country:	US
Contact telephone:	619-460-1311
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	THOMAS STALL
Owner/operator address:	7601 ALVARADO RD LA MESA, CA 91941
Owner/operator country:	Not reported
Owner/operator telephone:	619-460-1311
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

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

BOB STALL CHEVROLET (Continued) **1001122714**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

AST:
Certified Unified Program Agencies: Not reported
Owner: Thomas Stall
Total Gallons: Not reported
CERSID: 10360336
Facility ID: 37-000-102651
Business Name: BOB STALL CHEVROLET
Phone: 619-460-1311
Fax: Not reported
Mailing Address: PO BOX 339
Mailing Address City: LA MESA
Mailing Address State: CA
Mailing Address Zip Code: 91944
Operator Name: Richard Larson
Operator Phone: 619-460-1311
Owner Phone: 619-460-1311
Owner Mail Address: PO BOX 339
Owner State: CA
Owner Zip Code: 91944
Owner Country: United States
Property Owner Name: Karen Eliassen
Property Owner Phone: Not reported
Property Owner Mailing Address: 249 Scenic Ave
Property Owner City: PIEDMONT
Property Owner Stat : CA
Property Owner Zip Code: 94611
Property Owner Country: United States
EPAID: CAR000015479

Certified Unified Program Agencies: San Diego
Owner: THOMAS STALL
Total Gallons: 2000
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

BOB STALL CHEVROLET (Continued) **1001122714**

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

HMMD SAN DIEGO:
Permit Number: 102651
Business Type: 6HK31
EPA Id Number: CAR000015479
APN: 469-021-08-00
Last HMMD Inspection: 06/22/2010
Facility Telephone: 619-460-1311
Permit Status: OPEN
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012
Facility Owner: THOMAS STALL
Facility Mailing Address: PO BOX 339
Facility Mailing City: LA MESA
Facility Mailing State: CA
Facility Mailing Zip: 91944
UST Owner: LA MESA RV CENTER
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 102651
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: CARBON DIOXIDE: 75%; ARGON 25%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 102651
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: Not reported
Material Waste: Material

BOB STALL CHEVROLET (Continued) **1001122714**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 102651
Update Date: 11/02/2012
Case Number: 7440-59-7
Name: HELIUM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 102651
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: 8006-64-2
Name: THINNER-ACRYLIC LACQUER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: HOT TANK SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 123 UNSPECIFIED ALKALINE SOL'N
Other Information: BRAKE CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

BOB STALL CHEVROLET (Continued) **1001122714**

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 212 OXYGENATED SOLVENTS
Other Information:	GASOLINE & DIESEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	AES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY PUMP OUT FROM SUMPS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported

BOB STALL CHEVROLET (Continued) **1001122714**

Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: BRAKE FLUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: CALSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT WASTE THINNER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: OIL & FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 10/28/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 10/28/2005
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 10/28/2005
Violation Code: 6HV0304

BOB STALL CHEVROLET (Continued) **1001122714**

Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	102651
Update Date:	11/02/2012
Inspection Date:	10/28/2005
Violation Code:	6HV1604
Violation:	2ND. CONTAINMENT NOT KEPT EMPTY
Violation Citation:	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
Activity:	ACTIVE
Permit Number:	102651
Update Date:	11/02/2012
Inspection Date:	10/28/2005
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	102651
Update Date:	11/02/2012
Inspection Date:	10/24/2008
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	102651
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	102651
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	102651
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV1604
Violation:	2ND. CONTAINMENT NOT KEPT EMPTY
Violation Citation:	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
Activity:	ACTIVE

BOB STALL CHEVROLET (Continued) **1001122714**

Permit Number:	102651
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 102651 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102651
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-02-22 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 102651 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102651
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-02-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 102651 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102651
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-02-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported

BOB STALL CHEVROLET (Continued) **1001122714**

Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102651 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	102651
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-02-22 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAR000015479
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-460-1311
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/04/2018
Facility Owner:	Not reported
Facility Mailing Address:	PO BOX 339, LA MESA, CA 91944
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102651
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5764450
Return To Compliance Date:	2017-10-11T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported

BOB STALL CHEVROLET (Continued) **1001122714**

Last Update:	2018-04-04T01:42:32.000
Inspection Date:	2017-09-25T16:29:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508(a)(1)(A); 25508.1(a-b); 19 CCR 2654 (a) or (d)
Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102651
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4147042
Return To Compliance Date:	2015-10-22T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-04T01:42:32.000
Inspection Date:	2015-10-21T13:25:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

UST DTL:

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102651
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Richard Larson
Tankid:	16578
Tank Status:	Removed
Date Ust Permanently Closed:	02/22/1988
Tank Use:	01
Piping System Type:	Not reported
Last Updated:	2018-04-04T01:42:37.000
Tank Capacityin Gallons:	2000
Tank Contents:	1A
Type Of Tank:	95
Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102651
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Richard Larson
Tankid:	16580
Tank Status:	Removed
Date Ust Permanently Closed:	02/22/1988
Tank Use:	04
Piping System Type:	Not reported
Last Updated:	2018-04-04T01:42:37.000
Tank Capacityin Gallons:	550
Tank Contents:	Not reported
Type Of Tank:	01
Record ID:	DEH2002-HUPFP-102651

BOB STALL CHEVROLET (Continued) **1001122714**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102651
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Richard Larson
Tankid:	16581
Tank Status:	Removed
Date Ust Permanently Closed:	02/22/1988
Tank Use:	01
Piping System Type:	01
Last Updated:	2018-04-04T01:42:37.000
Tank Capacityin Gallons:	550
Tank Contents:	02
Type Of Tank:	01

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-102651
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	Richard Larson
Tankid:	16579
Tank Status:	Removed
Date Ust Permanently Closed:	02/22/1988
Tank Use:	01
Piping System Type:	Not reported
Last Updated:	2018-04-04T01:42:37.000
Tank Capacityin Gallons:	550
Tank Contents:	02
Type Of Tank:	95

Waste and Materials:

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0158131
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-01-17T09:39:10.000
Chemical Name:	Urea
Common Name:	Diesel Exhaust Fluid
Case Number:	Mixture

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0133718
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-17T09:39:10.000
Chemical Name:	Used Paraffinic Petroleum Distillates
Common Name:	Used Lubricating Oils
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y

BOB STALL CHEVROLET (Continued) **1001122714**

Child Record Id: DEH2017-HWAST-0133719
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133720
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133721
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Waste Waterborne Paint
Common Name: Waste Paint Related Material
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133722
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Waste Oxygenated Solvents
Common Name: Waste Solvents
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114644
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Waste Body Filler Dust
Common Name: Waste Sanding Dust
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114645
Trade Secret: N

BOB STALL CHEVROLET (Continued) **1001122714**

Hazardous Material Type: Not reported
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Non-Metal Used Oil Fitlers
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136311
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136312
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136313
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Cleaners/Soaps
Common Name: Cleaners/Soaps
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136314
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Brake and Parts Cleaner
Common Name: Brake and Parts Cleaner
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136315
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-04-05T20:03:17.000

BOB STALL CHEVROLET (Continued) **1001122714**

Chemical Name: Lacquer Thinner or Mineral Spirits
Common Name: Paint Thinner
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136316
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Acetylene
Common Name: Acetylene
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136317
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Methyl Alcohol
Common Name: Windshield Washer Solvent
Case Number: 67-65-1

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136318
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Degreaser
Common Name: Degreaser
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0136319
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Urea
Common Name: Diesel Exhaust Fluid
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114637
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils

BOB STALL CHEVROLET (Continued) **1001122714**

Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114638
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Waste Ethylene Glycol
Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114639
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114640
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Waste Waterborne Paint
Common Name: Waste Paint Related Material
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114641
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Waste Oxygenated Solvents
Common Name: Waste Solvents
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114642
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

BOB STALL CHEVROLET (Continued) **1001122714**

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0114643
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-05T20:03:17.000
Chemical Name: Waste Absorbent
Common Name: Waste Absorbent
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151718
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177070
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Degreaser
Common Name: Degreaser
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177064
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177065
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Cleaners/Soaps
Common Name: Cleaners/Soaps
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed

BOB STALL CHEVROLET (Continued) **1001122714**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177066
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Brake and Parts Cleaner
Common Name: Brake and Parts Cleaner
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177067
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Lacquer Thinner or Mineral Spirits
Common Name: Paint Thinner
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177068
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Acetylene
Common Name: Acetylene
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177069
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Methyl Alcohol
Common Name: Windshield Washer Solvent
Case Number: 67-65-1

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151724
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Non-Metal Used Oil Fitlers
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118734

BOB STALL CHEVROLET (Continued) **1001122714**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118735
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118736
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Cleaners/Soaps
Common Name: Cleaners/Soaps
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118737
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Brake and Parts Cleaner
Common Name: Brake and Parts Cleaner
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118738
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Lacquer Thinner or Mineral Spirits
Common Name: Paint Thinner
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118739
Trade Secret: N
Hazardous Material Type: Mixture

BOB STALL CHEVROLET (Continued) **1001122714**

Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Argon, Mixed with Carbon Dioxide
Common Name: CO2/Argon
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118740
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Oxygen
Common Name: Oxygen
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118741
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Acetylene
Common Name: Acetylene
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0118742
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Methyl Alcohol
Common Name: Windshield Washer Solvent
Case Number: 67-65-1

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0100044
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0100045
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Waste Ethylene Glycol

BOB STALL CHEVROLET (Continued) **1001122714**

Common Name: Waste Coolant
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0100046
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Waste Gasoline/Diesel
Common Name: Waste Fuel
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0100047
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Waste Waterborne Paint
Common Name: Waste Paint Related Material
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0100048
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Waste Oxygenated Solvents
Common Name: Waste Solvents
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0100049
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-11-23T02:31:35.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177063
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

BOB STALL CHEVROLET (Continued) **1001122714**

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0177071
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-04-04T01:42:36.000
Chemical Name:	Urea
Common Name:	Diesel Exhaust Fluid
Case Number:	Mixture

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0151716
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-04T01:42:36.000
Chemical Name:	Used Paraffinic Petroleum Distillates
Common Name:	Used Lubricating Oils
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0151717
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-04T01:42:36.000
Chemical Name:	Waste Ethylene Glycol
Common Name:	Waste Coolant
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0151719
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-04T01:42:36.000
Chemical Name:	Waste Waterborne Paint
Common Name:	Waste Paint Related Material
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0151720
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-04T01:42:36.000
Chemical Name:	Waste Oxygenated Solvents
Common Name:	Waste Solvents
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-102651
Permit Status:	Permit Renewed

BOB STALL CHEVROLET (Continued) **1001122714**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0151721
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151722
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Waste Absorbent
Common Name: Waste Absorbent
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151723
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-04T01:42:36.000
Chemical Name: Waste Body Filler Dust
Common Name: Waste Sanding Dust
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158123
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158124
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Ethylene Glycol
Common Name: Coolant
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158125

BOB STALL CHEVROLET (Continued) **1001122714**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Cleaners/Soaps
Common Name: Cleaners/Soaps
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158126
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Brake and Parts Cleaner
Common Name: Brake and Parts Cleaner
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158127
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Lacquer Thinner or Mineral Spirits
Common Name: Paint Thinner
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158128
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Acetylene
Common Name: Acetylene
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158129
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Methyl Alcohol
Common Name: Windshield Washer Solvent
Case Number: 67-65-1

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158130
Trade Secret: N
Hazardous Material Type: Mixture

BOB STALL CHEVROLET (Continued) **1001122714**

Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Degreaser
Common Name: Degreaser
Case Number: Mixture

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133723
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Waste Diethylene Glycol
Common Name: Waste Brake Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133724
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Waste Absorbent
Common Name: Waste Absorbent
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133725
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Waste Body Filler Dust
Common Name: Waste Sanding Dust
Case Number: Not reported

Record ID: DEH2002-HUPFP-102651
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133726
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-17T09:39:10.000
Chemical Name: Solids Containing Paraffinic Petroleum Distillates
Common Name: Non-Metal Used Oil Fitlers
Case Number: Not reported

Permit Number: 102651
Business Type: 6HK31
EPA Id Number: CAR000015479
APN: 469-021-08-00
Last HMMD Inspection: 06/22/2010
Facility Telephone: 619-460-1311
Permit Status: OPEN

BOB STALL CHEVROLET (Continued) **1001122714**

Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	THOMAS STALL
Facility Mailing Address:	PO BOX 339
Facility Mailing City:	LA MESA
Facility Mailing State:	CA
Facility Mailing Zip:	91944
UST Owner:	LA MESA RV CENTER
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARBON DIOXIDE: 75%; ARGON 25%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING
Other Information:	Not reported
Material Waste:	Material

BOB STALL CHEVROLET (Continued) **1001122714**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: 8006-64-2
Name: THINNER-ACRYLIC LACQUER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: HOT TANK SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 123 UNSPECIFIED ALKALINE SOL'N
Other Information: BRAKE CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: GASOLINE & DIESEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

BOB STALL CHEVROLET (Continued) **1001122714**

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	AES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY PUMP OUT FROM SUMPS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	BRAKE FLUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	CALSTATE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	102651
Update Date:	11/02/2012
Case Number:	Not reported

BOB STALL CHEVROLET (Continued) **1001122714**

Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT WASTE THINNER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102651
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: OIL & FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 10/28/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 10/28/2005
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 10/28/2005
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 10/28/2005
Violation Code: 6HV1604
Violation: 2ND. CONTAINMENT NOT KEPT EMPTY
Violation Citation: Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 10/28/2005
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG

BOB STALL CHEVROLET (Continued) **1001122714**

Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 10/24/2008
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV1604
Violation: 2ND. CONTAINMENT NOT KEPT EMPTY
Violation Citation: Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
Activity: ACTIVE

Permit Number: 102651
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 102651 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102651
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 2000
UST Contents: REGULAR UNLEADED

BOB STALL CHEVROLET (Continued) **1001122714**

Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-02-22 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102651 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102651
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-02-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102651 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102651
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-02-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102651 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	102651
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-02-22 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE

BOB STALL CHEVROLET (Continued) **1001122714**

Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

FINDS:

Registry ID: 110002914259

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

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

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.

STATE MASTER

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

ECHO:
Envid: 1001122714
Registry ID: 110002914259
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002914259

HAZNET:
envid: 1001122714
Year: 2016
GEPAID: CAR000015479
Contact: ALAN DOBBINS PARTS MNGR.
Telephone: 6194601311
Mailing Name: Not reported
Mailing Address: PO BOX 339
Mailing City,St,Zip: LA MESA, CA 919440339
Gen County: San Diego
TSD EPA ID: AZR000515924
TSD County: 99
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.45
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

BOB STALL CHEVROLET (Continued) **1001122714**

envid: 1001122714
Year: 2016
GEPAID: CAR000015479
Contact: ALAN DOBBINS PARTS MNGR.
Telephone: 6194601311
Mailing Name: Not reported
Mailing Address: PO BOX 339
Mailing City,St,Zip: LA MESA, CA 919440339
Gen County: San Diego
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.23352
Cat Decode: Aqueous solution with total organic residues 10 percent or more
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: San Diego

envid: 1001122714
Year: 2016
GEPAID: CAR000015479
Contact: ALAN DOBBINS PARTS MNGR.
Telephone: 6194601311
Mailing Name: Not reported
Mailing Address: PO BOX 339
Mailing City,St,Zip: LA MESA, CA 919440339
Gen County: San Diego
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.18
Cat Decode: Unspecified solvent mixture
Method Decode: Fuel Blending Prior To Energy Recovery At Another Site
Facility County: San Diego

envid: 1001122714
Year: 2016
GEPAID: CAR000015479
Contact: ALAN DOBBINS PARTS MNGR.
Telephone: 6194601311
Mailing Name: Not reported
Mailing Address: PO BOX 339
Mailing City,St,Zip: LA MESA, CA 919440339
Gen County: San Diego
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.35
Cat Decode: Other organic solids
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: San Diego

envid: 1001122714

BOB STALL CHEVROLET (Continued) **1001122714**

Year:	2016
GEPAID:	CAR000015479
Contact:	ALAN DOBBINS PARTS MNGR.
Telephone:	6194601311
Mailing Name:	Not reported
Mailing Address:	PO BOX 339
Mailing City,St,Zip:	LA MESA, CA 919440339
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.935
Cat Decode:	Unspecified organic liquid mixture
Method Decode:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Facility County:	San Diego

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

D9 **BOB STALL CHEVROLET** **LUST** **1000298592**
ENE **7601 ALVARADO RD** **SWEEPS UST** **N/A**
< 1/8 **LA MESA, CA 91941** **HIST UST**
0.080 mi. **EMI**
420 ft. **Site 3 of 3 in cluster D** **HIST CORTESE**

Relative:
Higher

Actual:
427 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303179
Global Id:	T0607303179
Latitude:	32.7729056848493
Longitude:	-117.034233209015
Status:	Completed - Case Closed
Status Date:	07/26/1996
Case Worker:	Not reported
RB Case Number:	9UT943
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H02651-001
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LUST:

Global Id:	T0607303179
Action Type:	ENFORCEMENT
Date:	11/24/1986
Action:	Notice of Responsibility

LUST:

Global Id:	T0607303179
Status:	Open - Case Begin Date
Status Date:	11/24/1986

Global Id: T0607303179

BOB STALL CHEVROLET (Continued) **1000298592**

Status: Completed - Case Closed
Status Date: 07/26/1996

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT943
Local Case: H02651-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 11/24/1986
Date Stopped: 11/24/1986
Confirm Date: 02/22/1988
Submit Workplan: Not reported
Prelim Assess: 03/21/1988
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/21/1988
Enforce Date: Not reported
Closed Date: 7/26/96
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 4'
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 2651
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002651-000001
Tank Status: Not reported
Capacity: 2000

BOB STALL CHEVROLET (Continued) **1000298592**

Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4
Status:	Not reported
Comp Number:	2651
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002651-000002
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	2651
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002651-000003
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	2651
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002651-000004
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

BOB STALL CHEVROLET (Continued) **1000298592**

Status:	Active
Comp Number:	2651
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

HIST UST:

File Number:	0002B637
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B637.pdf
Region:	STATE
Facility ID:	00000002555
Facility Type:	Other
Other Type:	MOTORHOME DEALER
Contact Name:	GORDON PRESCOTT
Telephone:	6194625660
Owner Name:	LA MESA R.V. CENTER INC.
Owner Address:	7601 ALVARADO ROAD
Owner City,St,Zip:	LA MESA, CA 92041
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1972
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	96163

BOB STALL CHEVROLET (Continued) **1000298592**

Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.59
Reactive Organic Gases Tons/Yr:	.56
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.59
Reactive Organic Gases Tons/Yr:	.56
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.59
Reactive Organic Gases Tons/Yr:	.56
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.58999999999999997

BOB STALL CHEVROLET (Continued) **1000298592**

Reactive Organic Gases Tons/Yr:	0.56000000000000005
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.58999999999999997
Reactive Organic Gases Tons/Yr:	0.56000000000000005
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.59
Reactive Organic Gases Tons/Yr:	0.56
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.59
Reactive Organic Gases Tons/Yr:	0.56
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

BOB STALL CHEVROLET (Continued) **1000298592**

Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.59
Reactive Organic Gases Tons/Yr:	0.56
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.59
Reactive Organic Gases Tons/Yr:	0.56
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.59
Reactive Organic Gases Tons/Yr:	0.56
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2016
County Code:	37
Air Basin:	SD
Facility ID:	96163
Air District Name:	SD
SIC Code:	5511

BOB STALL CHEVROLET (Continued) **1000298592**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.59
Reactive Organic Gases Tons/Yr:	0.56
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT943

C10
West
< 1/8
0.085 mi.
447 ft.

SOUTHERN PAINT & BODY SHOP **EDR Hist Auto** **1008990269**
7245 ALVARADO RD **N/A**
SAN DIEGO, CA

Site 2 of 3 in cluster C

Relative: EDR Hist Auto
Lower

Actual: **403 ft.**

Year:	Name:	Type:
1971	SOUTHERN PAINT & BODY SHOP	AUTOMOBILE REPAIRING

11
WNW
< 1/8
0.088 mi.
463 ft.

PARKWAY CLEANERS **EDR Hist Cleaner** **1020059252**
7200 PARKWAY DR **N/A**
LA MESA, CA 91942

Relative: EDR Hist Cleaner
Lower

Actual: **411 ft.**

Year:	Name:	Type:
2004	PARKWAY CLEANERS	Drycleaning Plants, Except Rugs
2005	PARKWAY CLEANERS	Drycleaning Plants, Except Rugs
2006	PARKWAY CLEANERS	Drycleaning Plants, Except Rugs

C12
West
< 1/8
0.088 mi.
464 ft.

SPORT & IMPORT **EDR Hist Auto** **1008990272**
7243 ALVARADO RD **N/A**
SAN DIEGO, CA

Site 3 of 3 in cluster C

Relative: EDR Hist Auto
Lower

Actual: **403 ft.**

Year:	Name:	Type:
1971	SPORT & IMPORT	AUTOMOBILE REPAIRING

E13 **DAVE DIGIAM BATTISTA** **LUST** **S102433312**
East **8500 ALVARADO RD** **CPS-SLIC** **N/A**
1/8-1/4 **LA MESA, CA 91942** **San Diego Co. HMMD**
0.153 mi. **SWEEPS UST**
807 ft. **Site 1 of 5 in cluster E** **HIST CORTESE**

Relative:
Higher

Actual:
436 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT790
Local Case:	H24707-001
Substance:	0
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	08/14/1987
Date Stopped:	08/14/1987
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	08/27/1987
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	08/14/1987
Enforce Date:	Not reported
Closed Date:	12/4/87
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.11
GW Depth:	~8FT
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/04/1987
Global Id:	T0607303043
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H24707-001
Latitude:	32.7729871093647
Longitude:	-117.032701325778
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT790
File Location:	Local Agency

DAVE DIGIAM BATTISTA (Continued) **S102433312**

Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

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

HMMD SAN DIEGO:
Permit Number: 124707
Business Type: Not reported
EPA Id Number: Not reported
APN: 490-200-43-00
Last HMMD Inspection: Not reported
Facility Telephone: 858-695-2060
Permit Status: INAC
Permit Expiration: Not reported
Date Last Updated: 11/02/2012
Facility Owner: DAVE DIGIAM BATTISTA
Facility Mailing Address: 8500 ALVARADO RD
Facility Mailing City: LA MESA
Facility Mailing State: CA
Facility Mailing Zip: 91941-
UST Owner: DAVE DIGIAM BATTISTA
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 124707 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 124707
Tank Type: SINGLE WALL
Additional Id: AT0960-1
Capacity Gallons: 10000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 124707 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 124707
Tank Type: SINGLE WALL
Additional Id: AT0960-2
Capacity Gallons: 3000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00

DAVE DIGIAM BATTISTA (Continued) **S102433312**

Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 124707 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	124707
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	3000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Status:	Not reported
Comp Number:	24707
Number:	Not reported
Board Of Equalization:	44-023626
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-024707-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	3
Status:	Not reported
Comp Number:	24707
Number:	Not reported
Board Of Equalization:	44-023626
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-024707-000002
Tank Status:	Not reported
Capacity:	3000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT

DAVE DIGIAM BATTISTA (Continued) **S102433312**

Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 24707
Number: Not reported
Board Of Equalization: 44-023626
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-024707-000003
Tank Status: Not reported
Capacity: 3000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 24707
Number: 9
Board Of Equalization: 44-023626
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT790

14
South
1/8-1/4
0.160 mi.
845 ft.

COMMERCIAL RADIATOR SHOP INC
7371 MOHAWK ST
LA MESA, CA 91941

RCRA-SQG **1000298149**
San Diego Co. HMMD **CAD981983943**
FINDS
ECHO

Relative:
Higher

Actual:
488 ft.

RCRA-SQG:
Date form received by agency: 04/02/1987
Facility name: COMMERCIAL RADIATOR SHOP INC
Facility address: 7371 MOHAWK ST
LA MESA, CA 91941
EPA ID: CAD981983943
Contact: ENVIRONMENTAL MANAGER
Contact address: 7371 MOHAWK ST

COMMERCIAL RADIATOR SHOP INC (Continued) **1000298149**

LA MESA, CA 92041
Contact country: US
Contact telephone: 619-460-4102
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: FRANKEL JOSEPH
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

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

COMMERCIAL RADIATOR SHOP INC (Continued) **1000298149**

Violation Status: No violations found

HMMD SAN DIEGO:

Permit Number:	114059
Business Type:	Not reported
EPA Id Number:	CAX000018648
APN:	469-144-21-00
Last HMMD Inspection:	01/21/1987
Facility Telephone:	460-4102
Permit Status:	INAC
Permit Expiration:	01/21/1987
Date Last Updated:	11/02/2012
Facility Owner:	JOSEPH FRANKEL
Facility Mailing Address:	6667 RESERVOIR LN
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92115-1510
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

FINDS:

Registry ID: 110006475340

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:	1000298149
Registry ID:	110006475340
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110006475340

E15 **93521** **HIST UST** **U001571786**
East **7651 ALVARADO RD** **N/A**
1/8-1/4 **LA MESA, CA 92041**
0.176 mi.
930 ft. **Site 2 of 5 in cluster E**

Relative: HIST UST:
Higher

File Number:	0002AE4A
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AE4A.pdf
Region:	STATE
Facility ID:	00000062456

Actual:
442 ft.

93521 (Continued) **U001571786**

Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	FROST,DON
Telephone:	6194622860
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1973
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1973
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1973
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1973
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000130
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

E16 **CHEVRON #93521** **SAN DIEGO CO. SAM** **S108406986**
East **7651 ALVARADO RD** **N/A**
1/8-1/4 **LA MESA, CA 91941**
0.176 mi.
930 ft. **Site 3 of 5 in cluster E**

Relative: SAN DIEGO CO. SAM:
Higher

Case Number:	H12687-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test

Actual:
442 ft.

CHEVRON #93521 (Continued) **S108406986**

Facility Status: Closed Case
Date: 9/6/1988
Date Began: 10/2/1987

Case Number: H12687-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 7/17/2001
Date Began: 2/23/1990

E17
East
1/8-1/4
0.176 mi.
930 ft.

Relative:
Higher

Actual:
442 ft.

CHEVRON #93521
7651 ALVARADO RD
LA MESA, CA 91941

Site 4 of 5 in cluster E

LUST **S101301713**
CPS-SLIC **N/A**
San Diego Co. HMMD
SWEEPS UST
HIST CORTESE
SAN DIEGO CO LOP

LUST:
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300750
Global Id: T0607300750
Latitude: 32.7727123480831
Longitude: -117.032570002655
Status: Completed - Case Closed
Status Date: 07/17/2001
Case Worker: SW
RB Case Number: 9UT1975
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H12687-002
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607300750
Contact Type: Local Agency Caseworker
Contact Name: SCOTT WELDON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: scott.weldon@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607300750
Action Type: Other
Date: 02/23/1990
Action: Leak Began

Global Id: T0607300750
Action Type: ENFORCEMENT
Date: 05/31/1990
Action: Notice of Responsibility

CHEVRON #93521 (Continued) **S101301713**

Global Id: T0607300750
Action Type: Other
Date: 02/23/1990
Action: Leak Discovery

Global Id: T0607300750
Action Type: Other
Date: 05/17/1990
Action: Leak Reported

Global Id: T0607300750
Action Type: Other
Date: 06/13/1991
Action: Leak Stopped

LUST:
Global Id: T0607300750
Status: Open - Case Begin Date
Status Date: 02/23/1990

Global Id: T0607300750
Status: Completed - Case Closed
Status Date: 07/17/2001

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT1975
Local Case: H12687-002
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 06/13/1991
Date Stopped: 06/13/1991
Confirm Date: 06/13/1991
Submit Workplan: Not reported
Prelim Assess: 05/17/1990
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/13/1991
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 6’

CHEVRON #93521 (Continued) **S101301713**

Beneficial Use: NBNOC
NPDES Number: Not reported
Priority: 2A
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 09/06/1988
Global Id: T0608185675
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H12687-001
Latitude: 32.772726
Longitude: -117.032304
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

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

HMMD SAN DIEGO:
Permit Number: 112687
Business Type: Not reported
EPA Id Number: Not reported
APN: 470-020-12-00
Last HMMD Inspection: 06/27/1991
Facility Telephone: 619-462-2860
Permit Status: INAC
Permit Expiration: Not reported
Date Last Updated: 11/02/2012
Facility Owner: CHEVRON USA INC
Facility Mailing Address: 7651 ALVARADO RD
Facility Mailing City: LA MESA
Facility Mailing State: CA
Facility Mailing Zip: 91941-3611
UST Owner: CHEVRON USA INC
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112687 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112687
Tank Type: SINGLE WALL
Additional Id: 1

CHEVRON #93521 (Continued) **S101301713**

Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1991-06-13 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112687 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	112687
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1991-06-13 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112687 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112687
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1991-06-13 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112687 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	112687
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1991-06-13 00:00:00
Year Installed:	1973-01-01 00:00:00

CHEVRON #93521 (Continued) **S101301713**

Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

SWEEPS UST:
Status: Not reported
Comp Number: 12687
Number: Not reported
Board Of Equalization: 44-022623
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012687-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 12687
Number: Not reported
Board Of Equalization: 44-022623
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012687-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12687
Number: Not reported
Board Of Equalization: 44-022623
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012687-000003
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED

CHEVRON #93521 (Continued) **S101301713**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12687
Number: Not reported
Board Of Equalization: 44-022623
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012687-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 12687
Number: 9
Board Of Equalization: 44-022623
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1975

SAN DIEGO CO LOP:
Record ID: DEH1990-LSAM-H12687-002
Record Status: Completed
Opened Date: 05/17/1990
Parcel Number: 470-020-12-00
Case Type: LOP - Local Oversight Program
Historical Name: CHEVRON #9-3521
SWRCB Global ID: T0607300750
Funding: F - LOP Federal Fund
Lead Agency: DEH/SAM
Lead Agency Date: 05/31/1990
Census Tract: 148.06
Community: La Mesa
Jurisdiction: LA MESA

CHEVRON #93521 (Continued) **S101301713**

Watershed Basin Number:	907.11
Water Purveyor:	LA MESA
Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 G 2
Latitude:	32.7727261
Longitude:	-117.0323036
X MapCoord:	6321202.281
Y MapCoord:	1861859.684
Record ID:	DEH1987-LSAM-H12687-001
Record Status:	Completed
Opened Date:	10/02/1987
Parcel Number:	470-020-12-00
Case Type:	Not reported
Historical Name:	CHEVRON
SWRCB Global ID:	T0608185675
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	10/02/1987
Census Tract:	148.06
Community:	La Mesa
Jurisdiction:	LA MESA
Watershed Basin Number:	907.11
Water Purveyor:	LA MESA
Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 G 2
Latitude:	32.7727261
Longitude:	-117.0323036
X MapCoord:	6321202.281
Y MapCoord:	1861859.684

E18
East
1/8-1/4
0.176 mi.
930 ft.

CHEVRON STATION 9 3521 **RCRA-SQG** **1000820546**
7651 ALVARADO RD **FINDS** **CAD983666058**
LA MESA, CA 91941 **ECHO**

Site 5 of 5 in cluster E

Relative:
Higher

Actual:
442 ft.

RCRA-SQG:

Date form received by agency:	04/27/1993
Facility name:	CHEVRON STATION 9 3521
Facility address:	7651 ALVARADO RD LA MESA, CA 91941
EPA ID:	CAD983666058
Contact:	DESIREE CLOSS
Contact address:	PO BOX 2833 LA HABRA, CA 90632
Contact country:	US
Contact telephone:	310-694-7452
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

CHEVRON STATION 9 3521 (Continued) **1000820546**

Owner/Operator Summary:
- Owner/operator name: CHEVRON USA PRODUCTS CO
- Owner/operator address: PO BOX 2833
  LA HABRA, CA 90632
- Owner/operator country: Not reported
- Owner/operator telephone: 310-694-7452
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

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

Violation Status: No violations found

FINDS:

Registry ID: 110006484740

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.

STATE MASTER

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

ECHO:
- Envid: 1000820546
- Registry ID: 110006484740
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006484740

19
SSW
1/8-1/4
0.201 mi.
1062 ft.

UNIVERSITY CLEANERS
7360 EL CAJON BL
SAN DIEGO, CA 92115

San Diego Co. HMMD
DRYCLEANERS
EMI
HAZNET

S104757000
N/A

Relative:
Higher

Actual:
495 ft.

HMMD SAN DIEGO:

Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000415408
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-469-9999
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/18/2018
Facility Owner:	Not reported
Facility Mailing Address:	7360 El Cajon Blvd, San Diego, CA 92115
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Waste and Materials:

Record ID:	DEH2002-HUPFP-138768
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0179219
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-04-18T00:53:15.000
Chemical Name:	DF-2000 Aliphatic Hydrocarbon
Common Name:	DF-2000 Aliphatic Hydrocarbon
Case Number:	64742-48-9

Record ID:	DEH2002-HUPFP-138768
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0153683
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-18T00:53:15.000
Chemical Name:	FILTERS/STILL BOTTOMS/LINT
Common Name:	FILTERS/STILL BOTTOMS/LINT
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-138768
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0104435
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-06-23T02:32:30.000
Chemical Name:	HYDROCARBON SOLVENT

UNIVERSITY CLEANERS (Continued) **S104757000**

Common Name: DF-2000
Case Number: 64742-48-9

Record ID: DEH2002-HUPFP-138768
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0086403
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-23T02:32:30.000
Chemical Name: FILTERS/STILL BOTTOMS/LINT
Common Name: FILTERS/STILL BOTTOMS/LINT
Case Number: Not reported

DRYCLEANERS:
EPA Id: CAL000415408
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 03/23/2016
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Owner Name: 16 PURE INC
Owner Address: 7360 EL CAJON BLVD
Owner Address 2: Not reported
Owner Telephone: 6194699999
Contact Name: KEVIN QUACH
Contact Address: 7360 EL CAJON BLVD
Contact Address 2: Not reported
Contact Telephone: 6197305500
Mailing Name: Not reported
Mailing Address 1: 7360 EL CAJON BLVD
Mailing Address 2: Not reported
Mailing City: SAN DIEGO
Mailing State: CA
Mailing Zip: 92115
Owner Fax: Not reported
Region Code: 4

EPA Id: CAL000213231
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 07/16/1999
Facility Active: No
Inactive Date: 06/30/2016
Facility Addr2: Not reported
Owner Name: DANH H QUACH
Owner Address: 3460 OLD MEADOW RD
Owner Address 2: Not reported
Owner Telephone: 6195731639
Contact Name: DANH HUU QUACH
Contact Address: 4441 EL CAJON BLVD

UNIVERSITY CLEANERS (Continued) **S104757000**

Contact Address 2: Not reported
Contact Telephone: 6192836167
Mailing Name: Not reported
Mailing Address 1: 4441 EL CAJON BLVD
Mailing Address 2: Not reported
Mailing City: SAN DIEGO
Mailing State: CA
Mailing Zip: 921154311
Owner Fax: 0000000000
Region Code: 4

EMI:

Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 97914
Air District Name: SD
SIC Code: 7216
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2001
County Code: 37
Air Basin: SD
Facility ID: 97914
Air District Name: SD
SIC Code: 7216
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2002
County Code: 37
Air Basin: SD
Facility ID: 97914
Air District Name: SD
SIC Code: 7216
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0

UNIVERSITY CLEANERS (Continued) **S104757000**

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

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.803925
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

UNIVERSITY CLEANERS (Continued) **S104757000**

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.16
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.16
Reactive Organic Gases Tons/Yr:	.810376
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.16
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216

UNIVERSITY CLEANERS (Continued) **S104757000**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.1599999999999999
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.1599999999999999
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.16
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.16
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

UNIVERSITY CLEANERS (Continued) **S104757000**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2013
County Code: 37
Air Basin: SD
Facility ID: 97914
Air District Name: SD
SIC Code: 7216
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.16
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2014
County Code: 37
Air Basin: SD
Facility ID: 97914
Air District Name: SD
SIC Code: 7216
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.16
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2015
County Code: 37
Air Basin: SD
Facility ID: 97914
Air District Name: SD
SIC Code: 7216
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.16
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2016

UNIVERSITY CLEANERS (Continued) **S104757000**

County Code:	37
Air Basin:	SD
Facility ID:	97914
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.16
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HAZNET:

envid:	S104757000
Year:	2016
GEPAID:	CAL000415408
Contact:	KEVIN QUACH
Telephone:	6197305500
Mailing Name:	Not reported
Mailing Address:	7360 EL CAJON BLVD
Mailing City,St,Zip:	SAN DIEGO, CA 92115
Gen County:	San Diego
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	1.7
Cat Decode:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Decode:	Incineration--Thermal Destruction Other Than Use As A Fuel
Facility County:	San Diego

20
SW
1/8-1/4
0.223 mi.
1180 ft.

AUTOMOTIVE TOWING INC
7182 EL CAJON BLVD
SAN DIEGO, CA 92115

HIST UST **U001573027**
N/A

Relative:
Higher

Actual:
495 ft.

HIST UST:

File Number:	0002AC3D
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AC3D.pdf
Region:	STATE
Facility ID:	00000001415
Facility Type:	Other
Other Type:	TOWING CO
Contact Name:	WILLIAM D. SIMMONS
Telephone:	6194617955
Owner Name:	AUTOMOTIVE TOWING INC
Owner Address:	7182 EL CAJON BLVD
Owner City,St,Zip:	SAN DIEGO, CA 92115
Total Tanks:	0004
Tank Num:	001
Container Num:	#4

AUTOMOTIVE TOWING INC (Continued) **U001573027**

Year Installed:	Not reported
Tank Capacity:	00000225
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	3
Year Installed:	1976
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	003
Container Num:	#2
Year Installed:	Not reported
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	004
Container Num:	#1
Year Installed:	Not reported
Tank Capacity:	00007500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test

Click here for Geo Tracker PDF:

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21 South 1/8-1/4 0.235 mi. 1243 ft.

WALLY'S AUTO REPAIR
7393 EL CAJON BLVD
LA MESA, CA 91942

LUST **S103994961**
SAN DIEGO CO. SAM **N/A**
SAN DIEGO CO LOP

Relative: Higher

Actual: 504 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019704535
Global Id:	T06019704535
Latitude:	32.768431
Longitude:	-117.037851
Status:	Completed - Case Closed
Status Date:	03/26/2015
Case Worker:	TS
RB Case Number:	Not reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	138204-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline

WALLY'S AUTO REPAIR (Continued) **S103994961**

Site History: The site was formerly operated as an automotive repair shop and filling station. Two underground storage tanks (USTs) which contained gasoline were removed from the site on November 16, 2004. Additional excavation in the vicinity of the dispenser islands resulted in the discovery of four additional USTs and fuel-impacted soil. Removal activities for the four USTs (contents were not determined) were conducted on December 2, 2004. The USTs were reported to have been in poor condition, and were filled with sand/slurry. Elevated concentrations of total petroleum hydrocarbons as gasoline (TPH-g) were reported in soil samples collected beneath the four USTs. Approximately 252 tons of impacted soil were transported off site for disposal. Between 2005 and 2014, ten groundwater monitoring wells were installed to determine the extent of contamination. Free product was reported in monitoring well MW-3 in 2007, with a maximum thickness of 4.19 feet reported in 2011. Sheens were occasionally observed in other monitoring wells. Soil vapor samples were collected on May 28, 2009 near the former UST pit and along the western boundary of the site. Based on the soil vapor survey results and a human-health risk evaluation, the consultant concluded that there are no significant on-site or off-site human-health risks associated with soil vapor. A dual-phase extraction (DPE) pilot test was conducted at the site in 2012. In 2013, a 7-day DPE event was conducted, and an estimated 937 pounds of TPH-g and 825 gallons of contaminated groundwater were removed. The consultant concludes that the DPE events conducted at the site were successful in mitigating free product to the extent practicable. The consultant concludes that remediation activities conducted at the site between 2005 and 2014 reduced contaminant concentrations in soil and groundwater to levels which fulfill the closure criteria in the State Water Resources Control Boards Low-Threat UST Case Closure Policy. Based on post-remediation quarterly groundwater monitoring events and concentration trend analyses, the consultant concludes that the dissolved contaminant plume is adequately defined and stable. DEH concurs with the consultants conclusions. Public notification of DEHs intent to close the case was completed. Comments were received from the Helix Water District regarding potential contamination impacts to potable water pipelines. In a response letter, DEH stated that because TPH-g was not detected in shallow soil, and the depth to groundwater at the site ranges from approximately 75 to 80 feet below ground surface, the pipelines should not be affected. In March 2015, Permit #DEH2015-LWMP-001592 was issued by DEH for the destruction of the ten groundwater monitoring wells associated with the site.

LUST:
Global Id: T06019704535
Contact Type: Local Agency Caseworker
Contact Name: TERESA SHERMAN
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: teresa.sherman@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T06019704535
Action Type: Other
Date: 01/12/2005

WALLY'S AUTO REPAIR (Continued) **S103994961**

Action: Leak Stopped

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 02/24/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 09/25/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 01/24/2004
Action: Notice of Responsibility

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 04/20/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 05/03/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 04/20/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 06/07/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 08/06/2009
Action: Letter - Notice

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 12/20/2010
Action: Staff Letter

Global Id: T06019704535
Action Type: RESPONSE
Date: 06/18/2010
Action: Pilot Study / Treatability Workplan

Global Id: T06019704535
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Semi-Annually

WALLY'S AUTO REPAIR (Continued) **S103994961**

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 12/20/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 03/26/2015
Action: Closure/No Further Action Letter

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 03/04/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: RESPONSE
Date: 09/02/2010
Action: Pilot Study/ Treatability Report

Global Id: T06019704535
Action Type: RESPONSE
Date: 09/25/2014
Action: Request for Closure - Regulator Responded

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 12/04/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 11/18/2013
Action: CUF5Y

Global Id: T06019704535
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T06019704535
Action Type: REMEDIATION
Date: 02/28/2005
Action: Excavation

Global Id: T06019704535
Action Type: REMEDIATION
Date: 05/08/2013
Action: Dual Phase Extraction

Global Id: T06019704535
Action Type: RESPONSE
Date: 10/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T06019704535
Action Type: RESPONSE

WALLY'S AUTO REPAIR (Continued) **S103994961**

Date: 02/19/2013
Action: Monitoring Report - Semi-Annually

Global Id: T06019704535
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T06019704535
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T06019704535
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T06019704535
Action Type: RESPONSE
Date: 05/10/2011
Action: Pilot Study / Treatability Workplan - Regulator Responded

Global Id: T06019704535
Action Type: RESPONSE
Date: 11/18/2013
Action: Correspondence

Global Id: T06019704535
Action Type: RESPONSE
Date: 03/05/2012
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

Global Id: T06019704535
Action Type: RESPONSE
Date: 05/25/2012
Action: Pilot Study/ Treatability Report - Regulator Responded

Global Id: T06019704535
Action Type: RESPONSE
Date: 02/16/2013
Action: Other Workplan - Regulator Responded

Global Id: T06019704535
Action Type: RESPONSE
Date: 02/16/2013
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T06019704535
Action Type: RESPONSE
Date: 12/23/2013
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T06019704535
Action Type: RESPONSE
Date: 01/20/2014
Action: Interim Remedial Action Report - Regulator Responded

WALLY'S AUTO REPAIR (Continued) **S103994961**

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 10/20/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 06/12/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: RESPONSE
Date: 12/29/2014
Action: Correspondence

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 12/19/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 03/10/2010
Action: Letter - Notice

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 09/15/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 07/12/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 02/05/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 08/19/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: Other
Date: 12/21/2004
Action: Leak Reported

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 02/20/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: ENFORCEMENT

WALLY'S AUTO REPAIR (Continued) **S103994961**

Date: 02/10/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: RESPONSE
Date: 01/05/2015
Action: Other Report / Document

Global Id: T06019704535
Action Type: ENFORCEMENT
Date: 07/29/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T06019704535
Action Type: Other
Date: 11/16/2004
Action: Leak Began

Global Id: T06019704535
Action Type: RESPONSE
Date: 10/09/2009
Action: Well Installation Report

Global Id: T06019704535
Action Type: Other
Date: 11/16/2004
Action: Leak Discovery

LUST:
Global Id: T06019704535
Status: Open - Case Begin Date
Status Date: 01/24/2004

Global Id: T06019704535
Status: Open - Remediation
Status Date: 01/13/2005

Global Id: T06019704535
Status: Open - Eligible for Closure
Status Date: 03/24/2015

Global Id: T06019704535
Status: Completed - Case Closed
Status Date: 03/26/2015

SAN DIEGO CO. SAM:
Case Number: 1910950
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 1/13/2005
Date Began: 11/16/2004

WALLY'S AUTO REPAIR (Continued) **S103994961**

SAN DIEGO CO LOP:

Record ID:	DEH2005-LSAM-138204-001
Record Status:	Completed
Opened Date:	01/13/2005
Parcel Number:	469-151-02-00
Case Type:	LOP - Local Oversight Program
Historical Name:	Wally's Auto Repair
SWRCB Global ID:	T06019704535
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/21/2012
Census Tract:	147.00
Community:	La Mesa
Jurisdiction:	LA MESA
Watershed Basin Number:	908.22
Water Purveyor:	HELIX WATER DISTRICT LAND
Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 F 2
Latitude:	32.7683861
Longitude:	-117.0378561
X MapCoord:	6319495.547
Y MapCoord:	1860243.873

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22 **SALVATORI CAETI** **LUST** **S108407215**
SE **7590 EL CAJON BL** **SAN DIEGO CO. SAM** **N/A**
1/8-1/4 **LA MESA, CA 91941** **SAN DIEGO CO LOP**
0.249 mi.
1314 ft.

Relative:
Higher

Actual:
527 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0619766064
Global Id:	T0619766064
Latitude:	32.768617
Longitude:	-117.034123
Status:	Completed - Case Closed
Status Date:	09/25/2007
Case Worker:	CB
RB Case Number:	Not reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	207256-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0619766064
Contact Type:	Local Agency Caseworker
Contact Name:	CRAIG BURNETT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	SAN DIEGO
Email:	craig.burnett@sdcounty.ca.gov
Phone Number:	8585056978

SALVATORI CAETI (Continued) **S108407215**

LUST:
Global Id: T0619766064
Action Type: Other
Date: 10/31/2006
Action: Leak Began

Global Id: T0619766064
Action Type: Other
Date: 10/31/2006
Action: Leak Stopped

Global Id: T0619766064
Action Type: ENFORCEMENT
Date: 11/22/2006
Action: Notice of Responsibility

Global Id: T0619766064
Action Type: Other
Date: 11/13/2006
Action: Leak Reported

Global Id: T0619766064
Action Type: Other
Date: 10/31/2006
Action: Leak Discovery

LUST:
Global Id: T0619766064
Status: Open - Case Begin Date
Status Date: 10/31/2006

Global Id: T0619766064
Status: Completed - Case Closed
Status Date: 09/25/2007

SAN DIEGO CO. SAM:
Case Number: 207256-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 9/25/2007
Date Began: 10/31/2006

SAN DIEGO CO LOP:
Record ID: DEH2006-LSAM-207256-001
Record Status: Completed
Opened Date: 11/13/2006
Parcel Number: 470-091-05-00
Case Type: LOP - Local Oversight Program
Historical Name: SALVATORI CAETI
SWRCB Global ID: T0619766064
Funding: S - LOP State Fund
Lead Agency: DEH/SAM

SALVATORI CAETI (Continued) **S108407215**

Lead Agency Date:	11/15/2006
Census Tract:	148.06
Community:	La Mesa
Jurisdiction:	LA MESA
Watershed Basin Number:	907.11
Water Purveyor:	LA MESA
Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 G 2
Latitude:	32.7685971
Longitude:	-117.0341271
X MapCoord:	6320626.762
Y MapCoord:	1860345.384

F23 **PRESTIGIOUS AUTOMOTIVE** **ENVIROSTOR** **S106874985**
WNW **5301 LAKE MURRAY BLVD.** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **LA MESA, CA 91942** **CPS-SLIC**
0.275 mi.
1454 ft. **Site 1 of 4 in cluster F**

Relative:
Higher

Actual:
429 ft.

ENVIROSTOR:

Facility ID:	37750006
Status:	Refer: 1248 Local Agency
Status Date:	03/18/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	79
Senate:	38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.77498
Longitude:	-117.0448
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	T06019797286
Alias Type:	GeoTracker Global ID
Alias Name:	37750006
Alias Type:	Envirostor ID Number

Completed Info:

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

PRESTIGIOUS AUTOMOTIVE (Continued) **S106874985**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H13919-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**XV**
Facility Type:	Soils Only
Facility Status:	Preliminary Assessment
Date:	3/17/2004
Date Began:	3/17/2004

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/31/2013
Global Id:	T06019797286
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H13919-001
Latitude:	32.774959
Longitude:	-117.044885
Case Type:	Cleanup Program Site
Case Worker:	VAP
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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

G24 **TEXACO** **LUST S102429505**
West **5151 70TH ST N** **EMI N/A**
1/4-1/2 **LA MESA, CA 94952**
0.289 mi.
1527 ft. **Site 1 of 3 in cluster G**

Relative:
Lower

Actual:
414 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT168
Local Case:	H13427-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Piping

TEXACO (Continued) **S102429505**

Cause: Overfill
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/02/1985
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 12/11/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 11/24/87
Began Monitor: Not reported
Release Date: 12/02/1985
Enforce Date: Not reported
Closed Date: 11/20/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

EMI:
Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 3992
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 3992
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0

TEXACO (Continued) **S102429505**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004

TEXACO (Continued) **S102429505**

County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.667995
Reactive Organic Gases Tons/Yr:	1.667995
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.667995
Reactive Organic Gases Tons/Yr:	1.667995
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.22
Reactive Organic Gases Tons/Yr:	2.22
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD

TEXACO (Continued) **S102429505**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.22
Reactive Organic Gases Tons/Yr:	2.22
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.22
Reactive Organic Gases Tons/Yr:	2.22
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.2200000000000002
Reactive Organic Gases Tons/Yr:	2.2200000000000002
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.2200000000000002
Reactive Organic Gases Tons/Yr:	2.2200000000000002
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

TEXACO (Continued) **S102429505**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.22
Reactive Organic Gases Tons/Yr:	2.22
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.22
Reactive Organic Gases Tons/Yr:	2.22
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.22
Reactive Organic Gases Tons/Yr:	2.22
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	37

TEXACO (Continued) **S102429505**

Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.22
Reactive Organic Gases Tons/Yr:	2.22
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.22
Reactive Organic Gases Tons/Yr:	2.22
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2016
County Code:	37
Air Basin:	SD
Facility ID:	3992
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.22
Reactive Organic Gases Tons/Yr:	2.22
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

G25 **TEXACO REFINING & MARKETING** **LUST** **S104747822**
West **5151 70TH ST** **HIST CORTESE** **N/A**
1/4-1/2 **LA MESA, CA 91941**
0.289 mi.
1527 ft. **Site 2 of 3 in cluster G**

Relative:
Lower

Actual:
414 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300496
Global Id:	T0607300496
Latitude:	32.772732
Longitude:	-117.0464
Status:	Completed - Case Closed
Status Date:	11/20/1987
Case Worker:	KH
RB Case Number:	9UT168
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H13427-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607300496
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN HEATON
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	kevin.heaton@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607300496
Action Type:	Other
Date:	12/02/1985
Action:	Leak Began

Global Id:	T0607300496
Action Type:	Other
Date:	12/02/1985
Action:	Leak Discovery

Global Id:	T0607300496
Action Type:	Other
Date:	12/02/1985
Action:	Leak Reported

LUST:

Global Id:	T0607300496
Status:	Open - Case Begin Date
Status Date:	12/02/1985

Global Id:	T0607300496
Status:	Completed - Case Closed
Status Date:	11/20/1987

TEXACO REFINING & MARKETING (Continued) **S104747822**

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607341936
Global Id:	T0607341936
Latitude:	32.772725
Longitude:	-117.046407
Status:	Completed - Case Closed
Status Date:	03/03/2016
Case Worker:	EM
RB Case Number:	Not reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H13427-002
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	This site is currently an active gas station. This case was opened in December 2002 due to elevated soil sample results from a tank and piping upgrade. From 2004 to 2013, eight groundwater monitoring wells were installed, at which time the groundwater plume was delineated. A June 2008 Site Assessment Report & Site Conceptual Model SAR) determined that results from benzene in soil indicated an excess cancer risk of 4.61 x 10-8 for the onsite building, which is less than the DEH threshold one in a million excess cancer risk . A March 2014 Corrective Action Plan (CAP) was submitted for natural attenuation and was approved by DEH. The consultant proposed natural attenuation because: The plume is shrinking. There are no supply wells within 1 mile of the site. All utilities are above the groundwater table, which is on an average of 11-21 feet bgs The San Diego aqueduct runs to the northwest of the site which does go as deep as 18 feet bgs. Because it is made out of steel and concrete, it is unlikely that the hydrocarbons from this site will impact the aqueduct. Since the aqueduct does go below the groundwater table, there is a possibility of migration from such. However, due to the low concentrations of groundwater hydrocarbons at this site, they would attenuate below detectable levels before they could reach the reservoir which is approximately 5.8 miles southeast of the site per the consultant. There are no health risks based on the 2008 SAR Based on degradation analyses, it is estimated that MtBE in groundwater will degrade to the secondary Maximum Concentration Level (MCL) of 5 ug/l by 2056 using MW-7 MtBE data. Benzene is currently below the primary MCL of 1 ug/l. The consultant states that approximately 851 cubic yards of soil remains on site with over 100 mg/kg TPHg. This soil is located in the area at the western dispenser islands from 5-30 per Figure 5 of the 2014 CAP. DEH concurs with the consultants conclusions and approves case closure. Permit # DEH2014-LMWP-000838 was issued by DEH for destruction of the 3 wells associated with the site. Permit # DEH2015-LMWP-002014 was issued by DEH for destruction of the 5 wells associated with the site.

LUST:

Global Id:	T0607341936
Contact Type:	Local Agency Caseworker
Contact Name:	EWAN MOFFAT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ewan.moffat@sdcounty.ca.gov
Phone Number:	Not reported

TEXACO REFINING & MARKETING (Continued) **S104747822**

LUST:

Global Id:	T0607341936
Action Type:	ENFORCEMENT
Date:	11/06/2013
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607341936
Action Type:	ENFORCEMENT
Date:	02/04/2003
Action:	Notice of Responsibility
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	04/26/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607341936
Action Type:	Other
Date:	10/24/2002
Action:	Leak Reported
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	10/04/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607341936
Action Type:	ENFORCEMENT
Date:	09/29/2008
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607341936
Action Type:	Other
Date:	10/24/2002
Action:	Leak Began
Global Id:	T0607341936
Action Type:	ENFORCEMENT
Date:	03/03/2016
Action:	Closure/No Further Action Letter
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	09/16/2014
Action:	Other Report / Document
Global Id:	T0607341936
Action Type:	ENFORCEMENT
Date:	11/19/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607341936
Action Type:	ENFORCEMENT
Date:	07/14/2009
Action:	Letter - Notice
Global Id:	T0607341936

TEXACO REFINING & MARKETING (Continued) **S104747822**

Action Type:	RESPONSE
Date:	04/07/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	09/30/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	12/14/2009
Action:	Soil and Water Investigation Workplan
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	07/10/2014
Action:	CAP/RAP - Other Report - Regulator Responded
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	12/23/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	10/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	01/26/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	03/25/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	09/06/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	10/22/2014
Action:	Correspondence
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	03/31/2014
Action:	CAP/RAP - Other Report - Regulator Responded
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	04/03/2009

TEXACO REFINING & MARKETING (Continued) **S104747822**

Action:	Monitoring Report - Quarterly
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	03/05/2014
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	10/20/2015
Action:	Correspondence
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	10/23/2014
Action:	Correspondence - Regulator Responded
Global Id:	T0607341936
Action Type:	ENFORCEMENT
Date:	03/23/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	12/02/2014
Action:	Correspondence
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	03/21/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	07/22/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0607341936
Action Type:	ENFORCEMENT
Date:	08/05/2015
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607341936
Action Type:	Other
Date:	10/24/2002
Action:	Leak Stopped
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	08/30/2010
Action:	Well Installation Workplan
Global Id:	T0607341936
Action Type:	RESPONSE
Date:	10/25/2010
Action:	Monitoring Report - Semi-Annually

TEXACO REFINING & MARKETING (Continued) **S104747822**

Global Id: T0607341936
Action Type: Other
Date: 10/24/2002
Action: Leak Discovery

LUST:
Global Id: T0607341936
Status: Open - Case Begin Date
Status Date: 01/14/2003

Global Id: T0607341936
Status: Open - Remediation
Status Date: 12/20/2004

Global Id: T0607341936
Status: Open - Site Assessment
Status Date: 05/18/2009

Global Id: T0607341936
Status: Completed - Case Closed
Status Date: 03/03/2016

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT168

G26 **70TH STREET SHELL** **SAN DIEGO CO. SAM** **U003941913**
West **5151 70TH ST** **UST** **N/A**
1/4-1/2 **LA MESA, CA 91941** **SWEEPS UST**
0.289 mi. **SAN DIEGO CO LOP**
1527 ft. **Site 3 of 3 in cluster G**

Relative:
Lower

Actual:
414 ft.

SAN DIEGO CO. SAM:
Case Number: H13427-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 11/20/1987
Date Began: 12/2/1985

Case Number: H13427-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 12/20/2004
Date Began: 10/24/2002

UST:
Facility ID: 37-000-208876
Permitting Agency: San Diego County Department of Environmental Health
Latitude: 32.77271

70TH STREET SHELL (Continued) **U003941913**

Longitude: -117.04641

Facility ID: H13427
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.774057
Longitude: -117.045061

SWEEPS UST:
Status: Not reported
Comp Number: 13427
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013427-000002
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 13427
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013427-000003
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13427
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013427-000004
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED

70TH STREET SHELL (Continued) **U003941913**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13427
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013427-000005
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13427
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013427-000001
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 4

Status: Active
Comp Number: 13427
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013427-000006
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13427
Number: 9
Board Of Equalization: 44-000217

70TH STREET SHELL (Continued) **U003941913**

Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013427-000007
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13427
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013427-000008
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO LOP:
Record ID: DEH1985-LSAM-H13427-001
Record Status: Completed
Opened Date: 12/02/1985
Parcel Number: 469-011-32-00
Case Type: LOP - Local Oversight Program
Historical Name: EXXON
SWRCB Global ID: T0607300496
Funding: S - LOP State Fund
Lead Agency: DEH/SAM
Lead Agency Date: 12/02/1985
Census Tract: 148.06
Community: La Mesa
Jurisdiction: LA MESA
Watershed Basin Number: 907.11
Water Purveyor: LA MESA
Fire Agency: LA MESA
Thomas Bros Map Page Grid: 1270 E 2
Latitude: 32.7727081
Longitude: -117.0464097
X MapCoord: 6316862.540
Y MapCoord: 1861868.901

Record ID: DEH2002-LSAM-H13427-002
Record Status: Completed
Opened Date: 10/24/2002
Parcel Number: 469-011-32-00

70TH STREET SHELL (Continued) **U003941913**

Case Type:	LOP - Local Oversight Program
Historical Name:	TEXACO
SWRCB Global ID:	T0607341936
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	01/14/2003
Census Tract:	148.06
Community:	La Mesa
Jurisdiction:	LA MESA
Watershed Basin Number:	907.11
Water Purveyor:	LA MESA
Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 E 2
Latitude:	32.7727081
Longitude:	-117.0464097
X MapCoord:	6316862.540
Y MapCoord:	1861868.901

F27 **LAKE MURRAY SHELL** **LUST** **S100729319**
WNW **5302 LAKE MURRAY BLVD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **LA MESA, CA 91942** **SWEEPS UST**
0.320 mi.
1689 ft. **Site 2 of 4 in cluster F**

Relative:
Higher

Actual:
422 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2872
Local Case:	H13497-002
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Not reported
How Stopped:	Not reported
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	05/04/1989
Date Stopped:	05/04/1989
Confirm Date:	05/04/1989
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	05/04/1989
Enforce Date:	Not reported
Closed Date:	5/31/89
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	Not reported
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.

LAKE MURRAY SHELL (Continued) **S100729319**

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

HMMD SAN DIEGO:
Permit Number: 201577
Business Type: 6HK28
EPA Id Number: CAL000322241
APN: 464-380-33-00
Last HMMD Inspection: 04/03/2012
Facility Telephone: 619-743-3774
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: MILLENIUM PACIFIC DEVELOPMENT
Facility Mailing Address: 5302 LAKE MURRAY BLVD
Facility Mailing City: LA MESA
Facility Mailing State: CA
Facility Mailing Zip: 91942
UST Owner: RPZ INC
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 201577
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: DIESEL
Other Information: UNDERGROUND TANK 201577 T008
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 201577
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 201577 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 201577
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 201577 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 201577

LAKE MURRAY SHELL (Continued) **S100729319**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	CONTAMINATED WATER W/ FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	201577
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	GASOLINE FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/03/2012
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/03/2012
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/03/2012
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/16/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	201577

LAKE MURRAY SHELL (Continued) **S100729319**

Update Date:	11/02/2012
Inspection Date:	03/28/2006
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/28/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/28/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/07/2007
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/21/2009
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/21/2009
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	201577

LAKE MURRAY SHELL (Continued) **S100729319**

Update Date:	11/02/2012
Inspection Date:	03/18/2008
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 113497 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	2/NT2404
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	PLUS UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113497 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	3/NT2404
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113497 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	4/NT2404
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13

LAKE MURRAY SHELL (Continued) **S100729319**

UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 201577 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	DOUBLE WALL
Additional Id:	NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-11-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 201577 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	DOUBLE WALL
Additional Id:	NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-11-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 201577 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	DOUBLE WALL
Additional Id:	NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-11-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
Permit Number:	Not reported
Business Type:	Not reported

LAKE MURRAY SHELL (Continued) **S100729319**

EPA Id Number: CAL000322241
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-743-3774
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 04/07/2018
Facility Owner: Not reported
Facility Mailing Address: 5302 LAKE MURRAY BLVD, LA MESA, CA 91942
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: Y
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-201577
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 5405616
Return To Compliance Date: 2016-04-14T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 32648
Container/Tank Id: Not reported
Last Update: 2018-04-07T02:01:24.000
Inspection Date: 2016-04-13T12:11:00.000
Violation Code: 2030043 (RD) Failure of the leak detection equipment to be properly programmed or properly operated. 23 CCR 2632, 2634, 2636, 2666

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-201577
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 4090171
Return To Compliance Date: 2013-04-10T00:00:00.000
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 32650
Container/Tank Id: Not reported
Last Update: 2018-04-07T02:01:24.000
Inspection Date: 2013-04-10T12:05:00.000
Violation Code: 2030043 Failure of the leak detection equipment to be properly programmed or properly operated. 23 CCR 16 2632, 2634, 2636, 2666

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y

LAKE MURRAY SHELL (Continued) **S100729319**

Facility Id Number:	37-000-201577
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4969066
Return To Compliance Date:	2014-06-26T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	87
Container/Tank Id:	Not reported
Last Update:	2018-04-07T02:01:24.000
Inspection Date:	2014-04-09T17:08:00.000
Violation Code:	2030048 Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods. 23 CCR 16 2637

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201577
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5127524
Return To Compliance Date:	2015-04-21T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	32648
Container/Tank Id:	Not reported
Last Update:	2018-04-07T02:01:24.000
Inspection Date:	2015-04-10T00:00:00.000
Violation Code:	2030002 Failure to test leak detection equipment as required every 12 months (VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test. 23 CCR 16 2638

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201577
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5646251
Return To Compliance Date:	2017-04-11T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	32648
Container/Tank Id:	Not reported
Last Update:	2018-04-07T02:01:24.000
Inspection Date:	2017-04-11T16:09:47.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed

LAKE MURRAY SHELL (Continued) **S100729319**

Active Permit:	Y
Facility Id Number:	37-000-201577
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5864760
Return To Compliance Date:	2018-04-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	32650
Container/Tank Id:	Not reported
Last Update:	2018-04-07T02:01:24.000
Inspection Date:	2018-04-06T14:38:33.000
Violation Code:	2030016 (RD) Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system. 23 CCR 2631(g), 2632(c)(2)(A-B)

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201577
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5864760
Return To Compliance Date:	2018-04-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	32650
Container/Tank Id:	Not reported
Last Update:	2018-04-07T02:01:24.000
Inspection Date:	2018-04-06T14:38:33.000
Violation Code:	2060020 (RP) Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket, have a minimum capacity of 5 gallons, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion. 23 CCR 2635(b), 2665

UST DTL:

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201577
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	RICHARD ZANONI
Tankid:	32649
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2018-04-07T02:01:46.000
Tank Capacityin Gallons:	10000
Tank Contents:	Premium Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed
Active Permit:	Y

LAKE MURRAY SHELL (Continued) **S100729319**

Facility Id Number:	37-000-201577
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	RICHARD ZANONI
Tankid:	32648
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2018-04-07T02:01:46.000
Tank Capacityin Gallons:	12000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-201577
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	RICHARD ZANONI
Tankid:	32650
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2018-04-07T02:01:46.000
Tank Capacityin Gallons:	10000
Tank Contents:	Diesel
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0177706
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-04-07T02:01:46.000
Chemical Name:	PREMIUM UNLEADED
Common Name:	UNDERGROUND TANK 201577 T007
Case Number:	8006-61-9

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0177707
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-04-07T02:01:46.000
Chemical Name:	DIESEL
Common Name:	UNDERGROUND TANK 201577 T008
Case Number:	8006-61-9

Record ID:	DEH2003-HUPFP-201577
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0177708
Trade Secret:	N

LAKE MURRAY SHELL (Continued) **S100729319**

Hazardous Material Type: Pure
Last Updated: 2018-04-07T02:01:46.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 201577 T006
Case Number: 8006-61-9

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152236
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-07T02:01:46.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FUEL FILTERS
Case Number: Not reported

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152237
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-07T02:01:46.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: CONTAMINATED WATER W/ FUEL
Case Number: Not reported

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106962
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-03-07T02:33:12.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 201577 T006
Case Number: 8006-61-9

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106963
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-03-07T02:33:12.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 201577 T008
Case Number: 8006-61-9

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0106964
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-03-07T02:33:12.000

LAKE MURRAY SHELL (Continued) **S100729319**

Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 201577 T007
Case Number: 8006-61-9

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0088226
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-03-07T02:33:12.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: CONTAMINATED WATER W/ FUEL
Case Number: Not reported

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0088227
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-03-07T02:33:12.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FUEL FILTERS
Case Number: Not reported

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0157611
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-15T02:31:23.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 201577 T006
Case Number: 8006-61-9

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0157612
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-15T02:31:23.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 201577 T008
Case Number: 8006-61-9

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0157613
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-15T02:31:23.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 201577 T007

LAKE MURRAY SHELL (Continued) **S100729319**

Case Number: 8006-61-9

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133088
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-15T02:31:23.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: CONTAMINATED WATER W/ FUEL
Case Number: Not reported

Record ID: DEH2003-HUPFP-201577
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133089
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-15T02:31:23.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Common Name: GASOLINE FUEL FILTERS
Case Number: Not reported

Permit Number: 201577
Business Type: 6HK28
EPA Id Number: CAL000322241
APN: 464-380-33-00
Last HMMD Inspection: 04/03/2012
Facility Telephone: 619-743-3774
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: MILLENIUM PACIFIC DEVELOPMENT
Facility Mailing Address: 5302 LAKE MURRAY BLVD
Facility Mailing City: LA MESA
Facility Mailing State: CA
Facility Mailing Zip: 91942
UST Owner: RPZ INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 201577
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: DIESEL
Other Information: UNDERGROUND TANK 201577 T008
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 201577

LAKE MURRAY SHELL (Continued) **S100729319**

Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 201577 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 201577 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	CONTAMINATED WATER W/ FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	GASOLINE FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/03/2012
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/03/2012
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012

LAKE MURRAY SHELL (Continued) **S100729319**

Inspection Date: 04/03/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 03/16/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 03/28/2006
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 03/28/2006
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 03/28/2006
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 03/07/2007
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201577

LAKE MURRAY SHELL (Continued) **S100729319**

Update Date:	11/02/2012
Inspection Date:	04/21/2009
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/21/2009
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/18/2008
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 113497 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	2/NT2404
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	PLUS UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 113497 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	3/NT2404
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE

LAKE MURRAY SHELL (Continued) **S100729319**

Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 113497 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	4/NT2404
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 201577 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	DOUBLE WALL
Additional Id:	NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-11-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 201577 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	DOUBLE WALL
Additional Id:	NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-11-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 201577 T008
Last Update:	2012-11-02 14:17:38

LAKE MURRAY SHELL (Continued) **S100729319**

Permit Number:	201577
Tank Type:	DOUBLE WALL
Additional Id:	NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-11-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Permit Number:	113497
Business Type:	6HK28
EPA Id Number:	CAL000087798
APN:	464-380-33-00
Last HMMD Inspection:	09/06/2001
Facility Telephone:	619-462-6722
Permit Status:	CHNG
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	S & L OIL JV
Facility Mailing Address:	28456 CENTURY ST
Facility Mailing City:	HAYWARD
Facility Mailing State:	CA
Facility Mailing Zip:	94545-
UST Owner:	S & L JV
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113497 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113497
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1963-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113497 T002
Last Update:	2012-11-02 14:17:38

LAKE MURRAY SHELL (Continued) **S100729319**

Permit Number:	113497
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113497 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113497
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113497 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113497
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113497 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113497
Tank Type:	DOUBLE WALL
Additional Id:	001
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL

LAKE MURRAY SHELL (Continued) **S100729319**

Reg Status:	REMOVED
Remove Close Date:	1989-06-04 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	26
UST Monitor Method:	EXTERNAL MONITORING: MONTHLY (MINIMUM) GROUND WATER MONITORING

Permit Number:	201577
Business Type:	6HK28
EPA Id Number:	CAL000322241
APN:	464-380-33-00
Last HMMD Inspection:	04/03/2012
Facility Telephone:	619-743-3774
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	MILLENIUM PACIFIC DEVELOPMENT
Facility Mailing Address:	5302 LAKE MURRAY BLVD
Facility Mailing City:	LA MESA
Facility Mailing State:	CA
Facility Mailing Zip:	91942
UST Owner:	RPZ INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	DIESEL
Other Information:	UNDERGROUND TANK 201577 T008
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 201577 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 201577 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

LAKE MURRAY SHELL (Continued) **S100729319**

Permit Number: 201577
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: CONTAMINATED WATER W/ FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 201577
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GASOLINE FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 04/03/2012
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 04/03/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 04/03/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 03/16/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

LAKE MURRAY SHELL (Continued) **S100729319**

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/28/2006
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/28/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/28/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/07/2007
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/21/2009
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/21/2009
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

LAKE MURRAY SHELL (Continued) **S100729319**

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/18/2008
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 113497 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	2/NT2404
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	PLUS UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113497 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	3/NT2404
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113497 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	4/NT2404
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE

LAKE MURRAY SHELL (Continued) **S100729319**

Monitor Code: 13
UST Monitor Method: SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 201577 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 201577
Tank Type: DOUBLE WALL
Additional Id: NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2003-11-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 201577 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 201577
Tank Type: DOUBLE WALL
Additional Id: NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2003-11-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 201577 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 201577
Tank Type: DOUBLE WALL
Additional Id: NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 2003-11-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Permit Number: 201577

LAKE MURRAY SHELL (Continued) **S100729319**

Business Type:	6HK28
EPA Id Number:	CAL000322241
APN:	464-380-33-00
Last HMMD Inspection:	04/03/2012
Facility Telephone:	619-743-3774
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	MILLENIUM PACIFIC DEVELOPMENT
Facility Mailing Address:	5302 LAKE MURRAY BLVD
Facility Mailing City:	LA MESA
Facility Mailing State:	CA
Facility Mailing Zip:	91942
UST Owner:	RPZ INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	DIESEL
Other Information:	UNDERGROUND TANK 201577 T008
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 201577 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 201577 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	201577
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	CONTAMINATED WATER W/ FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

LAKE MURRAY SHELL (Continued) **S100729319**

Permit Number: 201577
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GASOLINE FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 04/03/2012
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 04/03/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 04/03/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 03/16/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 201577
Update Date: 11/02/2012
Inspection Date: 03/28/2006
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

LAKE MURRAY SHELL (Continued) **S100729319**

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/28/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/28/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/07/2007
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/21/2009
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	04/21/2009
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Permit Number:	201577
Update Date:	11/02/2012
Inspection Date:	03/18/2008
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

LAKE MURRAY SHELL (Continued) **S100729319**

UST:

UST Name:	UNDERGROUND TANK 113497 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	2/NT2404
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	PLUS UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113497 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	3/NT2404
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113497 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	SINGLE WALL
Additional Id:	4/NT2404
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-11-04 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 201577 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	DOUBLE WALL
Additional Id:	NT2404 (POST JULY 1, 2003 INSTALLATION)

LAKE MURRAY SHELL (Continued) **S100729319**

Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-11-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 201577 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	DOUBLE WALL
Additional Id:	NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-11-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 201577 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	201577
Tank Type:	DOUBLE WALL
Additional Id:	NT2404 (POST JULY 1, 2003 INSTALLATION)
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2003-11-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

SWEEPS UST:

Status:	Not reported
Comp Number:	13497
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013497-000001

LAKE MURRAY SHELL (Continued) **S100729319**

Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 2

Status: Not reported
Comp Number: 13497
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013497-000005
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 13497
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013497-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 13497
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013497-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED

LAKE MURRAY SHELL (Continued) **S100729319**

Number Of Tanks: Not reported

Status: Active
Comp Number: 13497
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013497-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

F28 **LAKE MURRAY SHELL** **SAN DIEGO CO. SAM** **S105690225**
WNW **5302 LAKE MURRAY BL** **N/A**
1/4-1/2 **LA MESA, CA 91942**
0.320 mi.
1689 ft. **Site 3 of 4 in cluster F**

Relative:
Higher

Actual:
422 ft.

SAN DIEGO CO. SAM:
Case Number: H13497-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 11/13/1989
Date Began: 11/30/1988

Case Number: H13497-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/31/1989
Date Began: 5/4/1989

Case Number: H13497-003
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 5/12/2006
Date Began: 7/13/1992

F29 **LAKE MURRAY SHELL** **LUST** **S101301729**
WNW **5302 LAKE MURRAY BL** **CPS-SLIC** **N/A**
1/4-1/2 **LA MESA, CA 91942** **HIST CORTESE**
0.320 mi.
1689 ft. **Site 4 of 4 in cluster F**

Relative:
Higher

Actual:
422 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301020
Global Id:	T0607301020
Latitude:	32.7754535664527
Longitude:	-117.045384049416
Status:	Completed - Case Closed
Status Date:	05/12/2006
Case Worker:	JS
RB Case Number:	9UT2254
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H13497-003
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607301020
Contact Type:	Local Agency Caseworker
Contact Name:	JON SENAHA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	jon.senaha@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607301020
Action Type:	Other
Date:	07/13/1992
Action:	Leak Discovery

Global Id:	T0607301020
Action Type:	Other
Date:	07/13/1992
Action:	Leak Began

Global Id:	T0607301020
Action Type:	ENFORCEMENT
Date:	07/17/1992
Action:	Notice of Responsibility

Global Id:	T0607301020
Action Type:	Other
Date:	07/13/1992
Action:	Leak Reported

Global Id:	T0607301020
Action Type:	Other
Date:	08/01/1992
Action:	Leak Stopped

LAKE MURRAY SHELL (Continued) **S101301729**

LUST:
Global Id: T0607301020
Status: Open - Case Begin Date
Status Date: 07/13/1992

Global Id: T0607301020
Status: Completed - Case Closed
Status Date: 05/12/2006

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301633
Global Id: T0607301633
Latitude: 32.7753006
Longitude: -117.0454396
Status: Completed - Case Closed
Status Date: 05/31/1989
Case Worker: Not reported
RB Case Number: 9UT2872
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H13497-002
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607301633
Action Type: Other
Date: 05/04/1989
Action: Leak Began

Global Id: T0607301633
Action Type: Other
Date: 05/04/1989
Action: Leak Discovery

Global Id: T0607301633
Action Type: Other
Date: 05/04/1989
Action: Leak Stopped

Global Id: T0607301633
Action Type: Other
Date: 05/04/1989
Action: Leak Reported

LUST:
Global Id: T0607301633
Status: Open - Case Begin Date
Status Date: 05/04/1989

Global Id: T0607301633
Status: Completed - Case Closed
Status Date: 05/31/1989

LAKE MURRAY SHELL (Continued) **S101301729**

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT2254
Local Case:	H13497-003
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	07/13/1992
Date Stopped:	07/13/1992
Confirm Date:	07/16/1992
Submit Workplan:	Not reported
Prelim Assess:	07/16/1992
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	07/13/1992
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	Not reported
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	Not reported
Interim Remedial Actions:	No
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/13/1989
Global Id:	T0608171403
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H13497-001
Latitude:	32.775575
Longitude:	-117.045362
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LAKE MURRAY SHELL (Continued) **S101301729**

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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2254

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2872

H30 **FRANK HABETLER FOREIGN CAR SER** **LUST** **S104747384**
WSW **7075 EL CAJON BL** **San Diego Co. HMMD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115** **HIST CORTESE**
0.325 mi.
1716 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
482 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300429
Global Id:	T0607300429
Latitude:	32.768402
Longitude:	-117.045221
Status:	Completed - Case Closed
Status Date:	05/21/1998
Case Worker:	Not reported
RB Case Number:	9UT1608
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H12544-001
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LUST:

Global Id:	T0607300429
Action Type:	ENFORCEMENT
Date:	12/12/1990
Action:	Notice of Responsibility

Global Id:	T0607300429
Action Type:	ENFORCEMENT
Date:	05/13/1998
Action:	Closure/No Further Action Letter - #H12544-001

LUST:

Global Id:	T0607300429
Status:	Open - Case Begin Date
Status Date:	01/10/1990

Global Id:	T0607300429
Status:	Completed - Case Closed
Status Date:	05/21/1998

FRANK HABETLER FOREIGN CAR SER (Continued) **S104747384**

HMMD SAN DIEGO:

Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000289096
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-668-0042
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	06/15/2017
Facility Owner:	Not reported
Facility Mailing Address:	7075 EL CAJON BL, SAN DIEGO, CA 92115
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2005-HUPFP-204903
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-204903
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5555999
Return To Compliance Date:	2016-10-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2017-06-15T00:00:00.000
Inspection Date:	2016-09-27T14:02:00.000
Violation Code:	3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12

Record ID:	DEH2005-HUPFP-204903
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-204903
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4385405
Return To Compliance Date:	2016-01-19T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2017-06-15T00:00:00.000
Inspection Date:	2014-11-25T00:00:00.000
Violation Code:	HMD1013 Hazardous Materials Business Plan not readily available for review. HSC 6.95 25505(c)

FRANK HABETLER FOREIGN CAR SER (Continued) **S104747384**

Waste and Materials:

Record ID:	DEH2005-HUPFP-204903
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0095807
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-06-15T02:31:03.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	ANTIFREEZE
Case Number:	Not reported

Record ID:	DEH2005-HUPFP-204903
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0095808
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-06-15T02:31:03.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1608

H31 **FRANK HABETLER FOREIGN CAR SER** **SAN DIEGO CO. SAM** **S105692260**
WSW **7075 EL CAJON BL** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115**
0.325 mi.
1716 ft. **Site 2 of 3 in cluster H**

Relative: Higher
Actual: 482 ft.

SAN DIEGO CO. SAM:

Case Number:	H12544-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/21/1998
Date Began:	1/9/1990

H32 **FRANK HABETLER'S AUTO REPAIR** **LUST** **S100232798**
WSW **7075 EL CAJON BLVD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115**
0.325 mi.
1716 ft. **Site 3 of 3 in cluster H**

Relative: Higher
Actual: 482 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1608

FRANK HABETLER'S AUTO REPAIR (Continued) **S100232798**

Local Case: H12544-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: EDCD
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 01/09/1990
Date Stopped: 01/09/1990
Confirm Date: 01/09/1990
Submit Workplan: Not reported
Prelim Assess: 08/02/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/09/1990
Enforce Date: Not reported
Closed Date: 5/21/98
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 1C
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

I33 **A FINE PROPERTY, INC** **LUST** **S101308190**
WSW **7006 EL CAJON BLVD** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115** **San Diego Co. HMMD**
0.374 mi. **SWEEPS UST**
1975 ft. **Site 1 of 9 in cluster I**

Relative: LUST REG 9:
Higher
Region: 9
Actual: Status: Preliminary site assessment underway
480 ft. Case Number: 9UT1971
Local Case: H12307-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 04/09/1991
Date Stopped: 04/09/1991

A FINE PROPERTY, INC (Continued) **S101308190**

Confirm Date: 04/22/1991
Submit Workplan: 4/23/91
Prelim Assess: 12/21/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/09/1991
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: 63'
Beneficial Use: MUNAB
NPDES Number: Not reported
Priority: 2A
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3662
Local Case: H12307-002
Substance: Waste Oil
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Piping
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 04/20/1998
Date Stopped: 04/20/1998
Confirm Date: 04/20/1998
Submit Workplan: 5/29/98
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/06/1998
Enforce Date: 5/14/98
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: MUNAB
NPDES Number: Not reported
Priority: 3A
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported

A FINE PROPERTY, INC (Continued) **S101308190**

Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H12307-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 8/23/1991
Date Began: 4/22/1991

Case Number: H12307-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 5/29/1998
Date Began: 4/20/1998

HMMD SAN DIEGO:
Permit Number: 209863
Business Type: 6HK28
EPA Id Number: CAL000337844
APN: 469-040-22-00
Last HMMD Inspection: 12/20/2011
Facility Telephone: 619-462-1108
Permit Status: OPEN
Permit Expiration: 09/30/2013
Date Last Updated: 11/02/2012
Facility Owner: AMAD ATTISHA/NASIM YOUSIF
Facility Mailing Address: 7006 EL CAJON BLVD
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92115
UST Owner: MIKE ATTISHA
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 209863
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: UNDERGROUND TANK 112307 T003 DIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209863
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED

A FINE PROPERTY, INC (Continued) **S101308190**

Other Information: UNDERGROUND TANK 112307 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209863
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE, LIQUIFIED PETROLEUM COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 209863
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112307 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209863
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209863
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209863
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: USED FUEL FILTERS & ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 209863
Update Date: 11/02/2012
Inspection Date: 12/10/2009
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent

A FINE PROPERTY, INC (Continued) **S101308190**

	to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	209863
Update Date:	11/02/2012
Inspection Date:	12/15/2010
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Permit Number:	209863
Update Date:	11/02/2012
Inspection Date:	12/15/2010
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Permit Number:	209863
Update Date:	11/02/2012
Inspection Date:	12/15/2010
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	209863
Update Date:	11/02/2012
Inspection Date:	12/11/2008
Violation Code:	6HV3552
Violation:	NO LLD SHUT DOWN W/LEAK/FAIL/DISCONNECT
Violation Citation:	SINGLE WALLED PRESSURIZED PIPING:Line leak detector does not shut down pump with release and detector failure/disconnection. 2666 (c)
Activity:	ACTIVE
Permit Number:	209863
Update Date:	11/02/2012
Inspection Date:	12/11/2008
Violation Code:	6HV3552
Violation:	NO LLD SHUT DOWN W/LEAK/FAIL/DISCONNECT
Violation Citation:	SINGLE WALLED PRESSURIZED PIPING:Line leak detector does not shut down pump with release and detector failure/disconnection. 2666 (c)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 112307 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	209863
Tank Type:	SINGLE WALL
Additional Id:	RT0824; RT2561
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE

A FINE PROPERTY, INC (Continued) **S101308190**

Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 13
UST Monitor Method: SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112307 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 209863
Tank Type: SINGLE WALL
Additional Id: RT0824; RT2561
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 13
UST Monitor Method: SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112307 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 209863
Tank Type: SINGLE WALL
Additional Id: RT0824; RT2561
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 13
UST Monitor Method: SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112307 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 209863
Tank Type: DOUBLE WALL
Additional Id: RT0824
Capacity Gallons: 550
UST Contents: OTHER
Other Content Info: WASTE OIL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: GRAVITY
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL

A FINE PROPERTY, INC (Continued) **S101308190**

MONITORS: INTERSTITIAL.

Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000337844
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	619-462-1108
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/09/2018
Facility Owner:	Not reported
Facility Mailing Address:	PO Box 21345, El Cajon, CA 92021
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5544501
Return To Compliance Date:	2017-04-21T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	21201
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2016-12-07T08:15:00.000
Violation Code:	2010008 (RD) Failure to maintain records of repairs, lining, and upgrades on site, or off site if approved by the CUPA, for the life of the underground storage tank and/or failure to maintain written monitoring and maintenance records on site, or off site if approved by the CUPA, for a period of 3 years, 6 +e-+ years for cathodic protection, and 5 years for written performance claims pertaining to release detection systems and calibration and maintenance records for such systems. 23 CCR 2712(b)

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5844626
Return To Compliance Date:	2018-03-12T00:00:00.000
Nov:	No

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Violation Classification:	Not reported
Underground Storage Tank Id:	21201
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2017-12-06T11:33:46.000
Violation Code:	2030013 Failure to comply with one or more of the following designated operator (DO) monthly inspection 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(f)(2), 2715(c)
Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Underground Storage Tank
Inspection Type:	Re-inspection
Inspection Number:	5704014
Return To Compliance Date:	2017-07-14T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	21201
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2017-04-21T21:01:00.000
Violation Code:	2010010 Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information. HSC 25286(a); 23 CCR 2711
Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5088452
Return To Compliance Date:	2015-10-16T00:00:00.000
Nov:	Yes
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2014-12-05T00:00:00.000
Violation Code:	HMD0131 No Unified Program Facility (UPF) permit not obtained for the generation of hazardous waste. SDCC 68.905.
Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863

A FINE PROPERTY, INC (Continued) **S101308190**

Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5544501
Return To Compliance Date:	2016-12-07T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2016-12-07T08:15:00.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5544501
Return To Compliance Date:	2016-12-10T00:00:00.000
Nov:	Yes
Violation Classification:	Class I
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2016-12-07T08:15:00.000
Violation Code:	HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905; 68.906, 68.907

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5844626
Return To Compliance Date:	2018-02-02T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2017-12-06T11:33:46.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5544501
Return To Compliance Date:	2017-09-15T00:00:00.000
Nov:	No

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Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-09T13:00:31.000
Inspection Date: 2016-12-07T08:15:00.000
Violation Code: 1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-209863
Program Element: Underground Storage Tank
Inspection Type: Routine
Inspection Number: 5844626
Return To Compliance Date: Not reported
Nov: No
Violation Classification: Not reported
Underground Storage Tank Id: 21202
Container/Tank Id: Not reported
Last Update: 2018-04-09T13:00:31.000
Inspection Date: 2017-12-06T11:33:46.000
Violation Code: 2030002 (RD) Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.). 23 CCR 2638(a)(b), 2651(j), 2715(i).

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-209863
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 5844626
Return To Compliance Date: 2018-02-02T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-09T13:00:31.000
Inspection Date: 2017-12-06T11:33:46.000
Violation Code: 3030010 Accumulated waste too long (>180 or 270 days) or (>90 days). HSC 25201(a), 25123.3(h)(1); 22 CCR 66262.34(d); 40 CFR 262.34(e) and/or (f)

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-209863
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 5844626
Return To Compliance Date: 2017-12-28T00:00:00.000
Nov: Yes
Violation Classification: Class I
Underground Storage Tank Id: Not reported

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Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2017-12-06T11:33:46.000
Violation Code:	HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. SDCC 68.905
Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5088452
Return To Compliance Date:	2015-10-16T00:00:00.000
Nov:	Yes
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2014-12-05T00:00:00.000
Violation Code:	HMD1001 Unified Program Facility (UPF) permit was not obtained for the handling of hazardous materials; SDCC 68.905.
Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5544501
Return To Compliance Date:	2016-12-10T00:00:00.000
Nov:	Yes
Violation Classification:	Class I
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2016-12-07T08:15:00.000
Violation Code:	HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5844626
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2017-12-06T11:33:46.000
Violation Code:	2010007 Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. HSC 25292.2(a), 25299.30-34; 23 CCR 2711(a)(11),

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2808.1, 2809-2809.2

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4555314
Return To Compliance Date:	2013-02-28T00:00:00.000
Nov:	Yes
Violation Classification:	Not reported
Underground Storage Tank Id:	1
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2012-12-27T00:00:00.000
Violation Code:	2030054 Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed. 23 CCR 16 2635(b), 2715(c)(2)

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5088452
Return To Compliance Date:	2015-10-16T00:00:00.000
Nov:	Yes
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2014-12-05T00:00:00.000
Violation Code:	HMD3101 Current UPF Permit not obtained/not available. 25284, 68.905, 68.1005

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5088452
Return To Compliance Date:	2015-12-09T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	21204
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2014-12-05T00:00:00.000
Violation Code:	2030054 Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed. 23 CCR 16 2635(b), 2715(c)(2).

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Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5223929
Return To Compliance Date:	2015-12-09T00:00:00.000
Nov:	No
Violation Classification:	Class I
Underground Storage Tank Id:	21204
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2015-12-09T17:06:49.000
Violation Code:	2060015 (RD) Failure of sensor to be located in the proper position/location. 23 CCR 2630(d), 2641(a)

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5544501
Return To Compliance Date:	2017-07-14T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	21201
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2016-12-07T08:15:00.000
Violation Code:	2010010 Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information. HSC 25286(a); 23 CCR 2711

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5088452
Return To Compliance Date:	2015-12-09T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2018-04-09T13:00:31.000
Inspection Date:	2014-12-05T00:00:00.000
Violation Code:	HMD0238 Failure of the universal waste handler to manage batteries, lamps and mercury containing equipment or components of the universal waste to prevent releases of the universal waste or its components to the environment. 22 CCR 23 66273.33.

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y

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Facility Id Number: 37-000-209863
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Re-inspection
Inspection Number: 5704014
Return To Compliance Date: 2017-09-15T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-09T13:00:31.000
Inspection Date: 2017-04-21T21:01:00.000
Violation Code: 1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-209863
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5844626
Return To Compliance Date: 2017-12-28T00:00:00.000
Nov: Yes
Violation Classification: Class I
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2018-04-09T13:00:31.000
Inspection Date: 2017-12-06T11:33:46.000
Violation Code: HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905; 68.906, 68.907

UST DTL:

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-209863
Facility Type (Ust Facility): Motor Vehicle Fueling
Tank Owner Name: A Fine Property
Tankid: 21201
Tank Status: Active
Date Ust Permanently Closed: Not reported
Tank Use: Motor Vehicle Fueling
Piping System Type: Pressure
Last Updated: 2018-04-09T13:00:31.000
Tank Capacityin Gallons: 10000
Tank Contents: Premium Unleaded
Type Of Tank: Single Wall

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-209863
Facility Type (Ust Facility): Motor Vehicle Fueling
Tank Owner Name: A Fine Property
Tankid: 21202
Tank Status: Active
Date Ust Permanently Closed: Not reported

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Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2018-04-09T13:00:31.000
Tank Capacityin Gallons:	10000
Tank Contents:	Regular Unleaded
Type Of Tank:	Single Wall

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	A Fine Property
Tankid:	21203
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2018-04-09T13:00:31.000
Tank Capacityin Gallons:	10000
Tank Contents:	Diesel
Type Of Tank:	Single Wall

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-209863
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	A Fine Property
Tankid:	21204
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Hazardous Waste (includes used oil)
Piping System Type:	Gravity
Last Updated:	2018-04-09T13:00:31.000
Tank Capacityin Gallons:	550
Tank Contents:	Used Oil
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0147647
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-01-18T11:52:40.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 112307 T002
Case Number:	8006-61-9

Record ID:	DEH2008-HUPFP-209863
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0126149
Trade Secret:	N
Hazardous Material Type:	Not reported

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Last Updated: 2018-01-18T11:52:40.000
Chemical Name: Absorbent
Common Name: Absorbent
Case Number: Not reported

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147648
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-18T11:52:40.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112307 T001
Case Number: 8006-61-9

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147649
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-18T11:52:40.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 112307 T003 DIESEL
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0147650
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-18T11:52:40.000
Chemical Name: Waste Oil
Common Name: Used Motor Oil
Case Number: Not reported

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0126148
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-18T11:52:40.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WATER & GASOLINE
Case Number: Not reported

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173337
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T13:00:31.000
Chemical Name: REGULAR UNLEADED

A FINE PROPERTY, INC (Continued) **S101308190**

Common Name: UNDERGROUND TANK 112307 T002
Case Number: 8006-61-9

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173338
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T13:00:31.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112307 T001
Case Number: 8006-61-9

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173339
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-09T13:00:31.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 112307 T003 DIESEL
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173340
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T13:00:31.000
Chemical Name: Waste Oil
Common Name: Used Motor Oil
Case Number: Not reported

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147576
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T13:00:31.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WATER & GASOLINE
Case Number: Not reported

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147577
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T13:00:31.000
Chemical Name: Absorbent
Common Name: Absorbent
Case Number: Not reported

A FINE PROPERTY, INC (Continued) **S101308190**

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0111320
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-10T02:30:46.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 112307 T002
Case Number: 8006-61-9

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0111321
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-12-10T02:30:46.000
Chemical Name: PREMIUM UNLEADED
Common Name: UNDERGROUND TANK 112307 T001
Case Number: 8006-61-9

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0111322
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-12-10T02:30:46.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 112307 T003 DIESEL
Case Number: 68476-34-6

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0093069
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-12-10T02:30:46.000
Chemical Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Common Name: WATER & GASOLINE
Case Number: Not reported

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0093070
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-12-10T02:30:46.000
Chemical Name: Absorbent
Common Name: Absorbent
Case Number: Not reported

Record ID: DEH2008-HUPFP-209863
Permit Status: Permit Renewed

A FINE PROPERTY, INC (Continued) **S101308190**

Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0093071
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-12-10T02:30:46.000
Chemical Name:	Waste Oil
Common Name:	Motor Oil
Case Number:	Not reported

Permit Number:	209863
Business Type:	6HK28
EPA Id Number:	CAL000337844
APN:	469-040-22-00
Last HMMD Inspection:	12/20/2011
Facility Telephone:	619-462-1108
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	AMAD ATTISHA/NASIM YOUSIF
Facility Mailing Address:	7006 EL CAJON BLVD
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92115
UST Owner:	MIKE ATTISHA
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	209863
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 112307 T003 DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	209863
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 112307 T001
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	209863
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE, LIQUIFIED PETROLEUM COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE

A FINE PROPERTY, INC (Continued) **S101308190**

Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 209863
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112307 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 209863
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209863
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 209863
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: USED FUEL FILTERS & ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 209863
Update Date: 11/02/2012
Inspection Date: 12/10/2009
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 209863
Update Date: 11/02/2012
Inspection Date: 12/15/2010
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Permit Number: 209863

A FINE PROPERTY, INC (Continued) **S101308190**

Update Date: 11/02/2012
Inspection Date: 12/15/2010
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Permit Number: 209863
Update Date: 11/02/2012
Inspection Date: 12/15/2010
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 209863
Update Date: 11/02/2012
Inspection Date: 12/11/2008
Violation Code: 6HV3552
Violation: NO LLD SHUT DOWN W/LEAK/FAIL/DISCONNECT
Violation Citation: SINGLE WALLED PRESSURIZED PIPING:Line leak detector does not shut down pump with release and detector failure/disconnection. 2666 (c)
Activity: ACTIVE

Permit Number: 209863
Update Date: 11/02/2012
Inspection Date: 12/11/2008
Violation Code: 6HV3552
Violation: NO LLD SHUT DOWN W/LEAK/FAIL/DISCONNECT
Violation Citation: SINGLE WALLED PRESSURIZED PIPING:Line leak detector does not shut down pump with release and detector failure/disconnection. 2666 (c)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 112307 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 209863
Tank Type: SINGLE WALL
Additional Id: RT0824; RT2561
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1982-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 13
UST Monitor Method: SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112307 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 209863
Tank Type: SINGLE WALL

A FINE PROPERTY, INC (Continued) **S101308190**

Additional Id:	RT0824; RT2561
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 112307 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	209863
Tank Type:	SINGLE WALL
Additional Id:	RT0824; RT2561
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 112307 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	209863
Tank Type:	DOUBLE WALL
Additional Id:	RT0824
Capacity Gallons:	550
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

SWEEPS UST:

Status:	Active
Comp Number:	12307
Number:	9
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported

A FINE PROPERTY, INC (Continued) **S101308190**

SWRCB Tank Id: 37-000-012307-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 12307
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012307-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12307
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012307-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12307
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012307-000004
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W

A FINE PROPERTY, INC (Continued) **S101308190**

Content: Not reported
Number Of Tanks: Not reported

I34 **EL CAJON #3 EXXON** **LUST S104747263**
WSW **7006 EL CAJON BL** **EMI N/A**
1/4-1/2 **SAN DIEGO, CA 92115** **HIST CORTESE**
0.374 mi.
1975 ft. **Site 2 of 9 in cluster I**

Relative: Higher

Actual: 480 ft.

LUST:
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302427
Global Id: T0607302427
Latitude: 32.7690169997718
Longitude: -117.046735882759
Status: Completed - Case Closed
Status Date: 11/21/2017
Case Worker: LT
RB Case Number: 9UT3662
Local Agency: Not reported
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: In April 1998, soil samples were collected and analyzed under the direction of DEH as part of UST removal activities. Based on laboratory results, Case H12307-002 was opened on May 29, 1998. For site specific data, refer to the ESI tab.

LUST:
Global Id: T0607302427
Contact Type: Regional Board Caseworker
Contact Name: LALITHA THOTAKURA
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: lalitha.thotakura@waterboards.ca.gov
Phone Number: 6195213002

LUST:
Global Id: T0607302427
Action Type: ENFORCEMENT
Date: 04/24/2015
Action: Email Correspondence

Global Id: T0607302427
Action Type: RESPONSE
Date: 09/16/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607302427
Action Type: ENFORCEMENT
Date: 04/01/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302427
Action Type: ENFORCEMENT

EL CAJON #3 EXXON (Continued) **S104747263**

Date: 11/20/2017
Action: Closure/No Further Action Letter

Global Id: T0607302427
Action Type: ENFORCEMENT
Date: 06/30/2015
Action: Referral to Regional Board

Global Id: T0607302427
Action Type: ENFORCEMENT
Date: 05/08/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302427
Action Type: Other
Date: 04/20/1998
Action: Leak Began

Global Id: T0607302427
Action Type: RESPONSE
Date: 10/23/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607302427
Action Type: RESPONSE
Date: 07/24/2009
Action: Monitoring Report - Quarterly

Global Id: T0607302427
Action Type: RESPONSE
Date: 07/29/2015
Action: Monitoring Report - Quarterly

Global Id: T0607302427
Action Type: RESPONSE
Date: 10/24/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607302427
Action Type: RESPONSE
Date: 10/28/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607302427
Action Type: RESPONSE
Date: 08/07/2017
Action: Other Report / Document

Global Id: T0607302427
Action Type: RESPONSE
Date: 01/05/2015
Action: Other Report / Document - Regulator Responded

Global Id: T0607302427
Action Type: RESPONSE
Date: 01/29/2015
Action: Monitoring Report - Quarterly

EL CAJON #3 EXXON (Continued) **S104747263**

Global Id: T0607302427
Action Type: RESPONSE
Date: 06/05/2014
Action: Other Workplan - Regulator Responded

Global Id: T0607302427
Action Type: RESPONSE
Date: 04/26/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607302427
Action Type: RESPONSE
Date: 03/25/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607302427
Action Type: RESPONSE
Date: 10/12/2015
Action: Monitoring Report - Quarterly

Global Id: T0607302427
Action Type: RESPONSE
Date: 09/16/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607302427
Action Type: RESPONSE
Date: 08/26/2010
Action: Site Assessment Report - Regulator Responded

Global Id: T0607302427
Action Type: RESPONSE
Date: 10/20/2015
Action: Correspondence

Global Id: T0607302427
Action Type: RESPONSE
Date: 02/08/2013
Action: CAP/RAP - Other Report - Regulator Responded

Global Id: T0607302427
Action Type: RESPONSE
Date: 03/19/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607302427
Action Type: RESPONSE
Date: 08/30/2013
Action: Other Report / Document - Regulator Responded

Global Id: T0607302427
Action Type: RESPONSE
Date: 04/03/2015
Action: Monitoring Report - Quarterly

Global Id: T0607302427
Action Type: ENFORCEMENT

EL CAJON #3 EXXON (Continued) **S104747263**

Date: 05/14/1998
Action: Notice of Responsibility

Global Id: T0607302427
Action Type: ENFORCEMENT
Date: 02/05/1993
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302427
Action Type: RESPONSE
Date: 04/27/2009
Action: Monitoring Report - Quarterly

Global Id: T0607302427
Action Type: Other
Date: 04/20/1998
Action: Leak Discovery

Global Id: T0607302427
Action Type: RESPONSE
Date: 06/13/2017
Action: Correspondence

Global Id: T0607302427
Action Type: RESPONSE
Date: 01/12/2017
Action: Correspondence

Global Id: T0607302427
Action Type: RESPONSE
Date: 04/24/2012
Action: Monitoring Report - Annually

Global Id: T0607302427
Action Type: RESPONSE
Date: 04/28/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607302427
Action Type: ENFORCEMENT
Date: 02/27/2017
Action: Notification - Preclosure

Global Id: T0607302427
Action Type: ENFORCEMENT
Date: 12/01/2015
Action: Email Correspondence

Global Id: T0607302427
Action Type: ENFORCEMENT
Date: 01/03/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302427
Action Type: ENFORCEMENT
Date: 02/18/2016
Action: Technical Correspondence / Assistance / Other

EL CAJON #3 EXXON (Continued) **S104747263**

Global Id: T0607302427
Action Type: RESPONSE
Date: 10/14/2014
Action: Monitoring Report - Quarterly

Global Id: T0607302427
Action Type: Other
Date: 04/20/1998
Action: Leak Stopped

Global Id: T0607302427
Action Type: Other
Date: 05/06/1998
Action: Leak Reported

LUST:
Global Id: T0607302427
Status: Open - Case Begin Date
Status Date: 04/20/1998

Global Id: T0607302427
Status: Open - Remediation
Status Date: 05/29/1998

Global Id: T0607302427
Status: Open - Site Assessment
Status Date: 06/16/2009

Global Id: T0607302427
Status: Open - Eligible for Closure
Status Date: 06/05/2017

Global Id: T0607302427
Status: Completed - Case Closed
Status Date: 11/21/2017

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300746
Global Id: T0607300746
Latitude: 32.7688758
Longitude: -117.0469086
Status: Completed - Case Closed
Status Date: 05/11/2011
Case Worker: JS
RB Case Number: 9UT1971
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H12307-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: In April 1991, a Site Investigation Report dated August 22, 1990, was submitted to DEH for review and comment. Based DEH review, case H12307-001 was opened on April 24, 1991. On May 11, 2011, DEH Administratively Closed case H12307-001 and consolidated it with case H12307-002. For site specific data, refer case H12307-002.

EL CAJON #3 EXXON (Continued) **S104747263**

LUST:
Global Id: T0607300746
Contact Type: Local Agency Caseworker
Contact Name: JON SENAHA
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: jon.senaha@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607300746
Action Type: ENFORCEMENT
Date: 03/17/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300746
Action Type: Other
Date: 04/22/1991
Action: Leak Discovery

Global Id: T0607300746
Action Type: Other
Date: 04/22/1991
Action: Leak Began

Global Id: T0607300746
Action Type: ENFORCEMENT
Date: 05/11/2011
Action: Closure/No Further Action Letter

Global Id: T0607300746
Action Type: ENFORCEMENT
Date: 08/31/2009
Action: Letter - Notice

Global Id: T0607300746
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Letter - Notice

Global Id: T0607300746
Action Type: ENFORCEMENT
Date: 03/18/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300746
Action Type: ENFORCEMENT
Date: 04/22/1990
Action: Notice of Responsibility

Global Id: T0607300746
Action Type: Other
Date: 04/09/1991
Action: Leak Reported

EL CAJON #3 EXXON (Continued) **S104747263**

Global Id: T0607300746
Action Type: Other
Date: 04/22/1991
Action: Leak Stopped

LUST:
Global Id: T0607300746
Status: Open - Case Begin Date
Status Date: 04/22/1990

Global Id: T0607300746
Status: Open - Remediation
Status Date: 08/23/1991

Global Id: T0607300746
Status: Open - Site Assessment
Status Date: 07/07/2009

Global Id: T0607300746
Status: Completed - Case Closed
Status Date: 05/11/2011

EMI:
Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 1312
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3662

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1971

I35
WSW
1/4-1/2
0.395 mi.
2088 ft.

MOBIL STATION #18 PW
7003 EL CAJON BLVD
SAN DIEGO, CA 92115

Site 3 of 9 in cluster I

LUST **S101669469**
SWEEPS UST **N/A**
CHMIRS

Relative:
Higher

Actual:
475 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3153
Local Case:	H05480-003
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Not reported
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	01/04/1996
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	3/12/96
Prelim Assess:	03/15/1996
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/26/1996
Enforce Date:	Not reported
Closed Date:	2/16/01
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.22
GW Depth:	Not reported
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	3A
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	5480
Number:	9
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005480-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL

MOBIL STATION #18 PW (Continued) **S101669469**

STG:	P
Content:	LEADED
Number Of Tanks:	4
Status:	Active
Comp Number:	5480
Number:	9
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005480-000002
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	5480
Number:	9
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005480-000003
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	5480
Number:	9
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005480-000005
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

CHMIRS:
OES Incident Number: 5-4736

MOBIL STATION #18 PW (Continued) **S101669469**

OES notification:	08/11/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Ground Water
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Veeder Root
Incident Date:	7/28/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

MOBIL STATION #18 PW (Continued) **S101669469**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released due to unknown causes. This incident is a site assessment. Substance was found in monitoring wells. Test Results are not back yet.

I36 **70TH MOBIL** **LUST** **S104746189**
WSW **7003 EL CAJON BL** **CPS-SLIC** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115** **HIST CORTESE**
0.395 mi. **SAN DIEGO CO LOP**
2088 ft. **Site 4 of 9 in cluster I**

Relative: Higher
Actual: 475 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301921
Global Id:	T0607301921
Latitude:	32.768641
Longitude:	-117.0471474
Status:	Completed - Case Closed
Status Date:	02/16/2001
Case Worker:	Not reported
RB Case Number:	9UT3153
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H05480-003
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0607301921
Action Type:	Other
Date:	01/04/1996
Action:	Leak Began

Global Id:	T0607301921
Action Type:	Other
Date:	01/04/1996
Action:	Leak Discovery

Global Id:	T0607301921
Action Type:	Other
Date:	01/26/1996
Action:	Leak Reported

LUST:

Global Id:	T0607301921
Status:	Open - Case Begin Date
Status Date:	01/04/1996

Global Id:	T0607301921

70TH MOBIL (Continued) **S104746189**

Status: Completed - Case Closed
Status Date: 02/16/2001

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303128
Global Id: T0607303128
Latitude: 32.7686538
Longitude: -117.0469876
Status: Completed - Case Closed
Status Date: 08/26/1991
Case Worker: Not reported
RB Case Number: 9UT885
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H05480-002
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607303128
Action Type: ENFORCEMENT
Date: 08/15/1991
Action: Closure/No Further Action Letter

Global Id: T0607303128
Action Type: Other
Date: 01/11/1988
Action: Leak Reported

Global Id: T0607303128
Action Type: Other
Date: 01/11/1988
Action: Leak Began

Global Id: T0607303128
Action Type: Other
Date: 01/11/1988
Action: Leak Discovery

Global Id: T0607303128
Action Type: Other
Date: 01/11/1988
Action: Leak Stopped

LUST:
Global Id: T0607303128
Status: Open - Case Begin Date
Status Date: 01/11/1988

Global Id: T0607303128
Status: Completed - Case Closed
Status Date: 08/26/1991

70TH MOBIL (Continued) **S104746189**

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019790476
Global Id:	T06019790476
Latitude:	32.7683674535215
Longitude:	-117.04676002264
Status:	Completed - Case Closed
Status Date:	02/21/2014
Case Worker:	EM
RB Case Number:	Not reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H05480-004
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	12/95 Two soil borings (B-1 and B-2) were advanced near the use-oil UST and associated remote fill piping at the request of the DEH. Total petroleum recoverable petroleum hydrocarbons (TRPH) were detected at concentrations ranging from 59 milligrams per kilogram (mg/kg) to 4,260 mg/kg. 3/96 Based on sampling conducted in December 1995, the DEH notified ExxonMobil Oil Corporation that initial corrective action measures at the site were required and assigned DEH Case number H05480-003. 8/96 Five soil samples were collected and analyzed for petroleum hydrocarbons during fuel system upgrades. The maximum concentrations of TPH-g and benzene were 6,400 mg/kg and 5.0 mg/kg, respectively. Approximately 200 cubic yards of soil near the dispensers was excavated and disposed. 9/97 Eight soil borings (SB-1 through SB-8) were advanced to depths ranging from 18.5 feet bgs to 21.5 feet bgs near the northern dispenser island and the used-oil tank. TRPH, TPH-g, and benzene concentrations were not detected above the laboratory reporting limits. 3/00 Four soil borings (SB-9 through SB-12) were advanced to depths ranging from 7 feet bgs to 15 feet bgs, to the south and southeast of the used-oil tank.TRPH was detected at concentrations ranging from 13 mg/kg to 156 mg/kg. 2/01 In a letter dated 16 February 2001, the DEH granted regulatory closure for case H05480-003. 6/05 - 8/05 Three groundwater monitoring wells (MW-1 through MW-3) and three soil borings (TB-1 through TB-3) were advanced at the site. The maximum concentrations of TPH-g, TRPH, and benzene were 8.09 mg/kg,199.0 mg/kg, and 0.245 mg/kg, respectively. 10/05 In a letter dated 17 October 2005, the DEH opened environmental case #H05480-004 and requested additional assessment. 3/06 The Mobil service station, including the service station building, automotive hoists, fuel dispenser islands, dispenser pans/sumps, three single-walled fiberglass gasoline USTs (6000-, 10,000- and 12,000-gallon), one 500-gallon double-walled used-oil UST, and all associated product piping were removed from the site as part of site divestment activities. 5/06 In a letter dated 15 May 2006, the DEH approved the work plan dated 31 January 2006, with the condition of conducting a benzene vapor risk assessment. 4/07 Environmental consulting and management activities transferred from TRC to ETIC Engineering Inc. 9/07 ETIC submitted a vapor risk assessment report using historical soil and groundwater analytical results. The risk assessment report indicated that there does not appear to be a significant risk to public health and safety from vapor-phase benzene diffusion into a future site building. 11/07 DEH did not approve ETICs vapor risk assessment report, and requested additional information. 1/08 ETIC submitted a revised vapor risk

70TH MOBIL (Continued) **S104746189**

assessment report, based on the DEHs request. Again, the risk assessment report indicated that there does not appear to be a significant risk to public health and safety from vapor-phase benzene diffusion into a future site building. 6/08 ETIC submitted a vapor risk assessment workplan. 09/08 Four soil gas probes (SGP-1 through SGP-4) were installed at the site. A risk model was conducted and the Level I evaluation did not indicate a than the DEH threshold value of 1.0E-06 excess lifetime cancer risk. chronic health hazard due to vapor-phase migration for any of the compounds of concern. All calculated potential risks for occupants of a theoretical building are less than the DEH threshold value of 1.0E-06 excess lifetime cancer risk. 2013 CAP submitted for Natural Attenuation. 30-day review period ended and concurrence with natural attenuation.

LUST:
Global Id: T06019790476
Contact Type: Local Agency Caseworker
Contact Name: EWAN MOFFAT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ewan.moffat@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 05/23/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T06019790476
Action Type: Other
Date: 07/28/2005
Action: Leak Stopped

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 09/29/2005
Action: Notice of Responsibility

Global Id: T06019790476
Action Type: RESPONSE
Date: 06/28/2010
Action: Other Report / Document

Global Id: T06019790476
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Quarterly

Global Id: T06019790476
Action Type: RESPONSE

70TH MOBIL (Continued) **S104746189**

Date: 01/03/2011
Action: Other Report / Document

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 06/17/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 06/25/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 01/29/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: RESPONSE
Date: 10/14/2009
Action: Site Assessment Report

Global Id: T06019790476
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Quarterly

Global Id: T06019790476
Action Type: RESPONSE
Date: 11/09/2009
Action: Soil and Water Investigation Report

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 07/09/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T06019790476
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Quarterly

Global Id: T06019790476
Action Type: RESPONSE
Date: 02/11/2013
Action: Monitoring Report - Semi-Annually

Global Id: T06019790476
Action Type: RESPONSE
Date: 07/30/2009
Action: Correspondence

70TH MOBIL (Continued) **S104746189**

Global Id: T06019790476
Action Type: REMEDIATION
Date: 03/23/2006
Action: Excavation

Global Id: T06019790476
Action Type: RESPONSE
Date: 06/29/2011
Action: Other Report / Document

Global Id: T06019790476
Action Type: RESPONSE
Date: 10/04/2011
Action: Monitoring Report - Semi-Annually

Global Id: T06019790476
Action Type: RESPONSE
Date: 02/22/2013
Action: Monitoring Report - Quarterly

Global Id: T06019790476
Action Type: REMEDIATION
Date: 04/01/2006
Action: Excavation

Global Id: T06019790476
Action Type: RESPONSE
Date: 08/07/2013
Action: Correspondence

Global Id: T06019790476
Action Type: RESPONSE
Date: 02/11/2013
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T06019790476
Action Type: RESPONSE
Date: 07/19/2013
Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded

Global Id: T06019790476
Action Type: RESPONSE
Date: 06/05/2013
Action: Public Participation Plan - Regulator Responded

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 05/23/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T06019790476
Action Type: RESPONSE

70TH MOBIL (Continued) **S104746189**

Date: 02/07/2012
Action: Other Report / Document

Global Id: T06019790476
Action Type: RESPONSE
Date: 12/28/2011
Action: Other Report / Document

Global Id: T06019790476
Action Type: RESPONSE
Date: 02/23/2012
Action: Monitoring Report - Semi-Annually

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 06/14/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 02/22/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 08/23/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: RESPONSE
Date: 04/01/2011
Action: Monitoring Report - Quarterly

Global Id: T06019790476
Action Type: Other
Date: 07/28/2005
Action: Leak Reported

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 02/21/2014
Action: Closure/No Further Action Letter

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 07/16/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: ENFORCEMENT
Date: 11/02/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T06019790476
Action Type: Other
Date: 07/28/2005
Action: Leak Began

70TH MOBIL (Continued) **S104746189**

Global Id: T06019790476
Action Type: Other
Date: 07/28/2005
Action: Leak Discovery

LUST:
Global Id: T06019790476
Status: Open - Case Begin Date
Status Date: 07/28/2005

Global Id: T06019790476
Status: Open - Eligible for Closure
Status Date: 09/29/2005

Global Id: T06019790476
Status: Open - Site Assessment
Status Date: 09/29/2005

Global Id: T06019790476
Status: Completed - Case Closed
Status Date: 02/21/2014

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 09/30/1987
Global Id: T0608153856
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H05480-001
Latitude: 32.768641
Longitude: -117.0471474
Case Type: Cleanup Program Site
Case Worker: KH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

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

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT885

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3153

SAN DIEGO CO LOP:

70TH MOBIL (Continued) **S104746189**

Record ID:	DEH1988-LSAM-H05480-002
Record Status:	Completed
Opened Date:	01/11/1988
Parcel Number:	469-050-24-00
Case Type:	LOP - Local Oversight Program
Historical Name:	MOBIL (BARRY W OBRIEN INC)
SWRCB Global ID:	T0607303128
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	01/11/1988
Census Tract:	29.05
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1270 E 2
Latitude:	32.7684262
Longitude:	-117.0467633
X MapCoord:	6316740.536
Y MapCoord:	1860311.686

Record ID:	DEH1996-LSAM-H05480-003
Record Status:	Completed
Opened Date:	01/26/1996
Parcel Number:	469-050-24-00
Case Type:	LOP - Local Oversight Program
Historical Name:	MOBIL
SWRCB Global ID:	T0607301921
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	03/12/1996
Census Tract:	29.05
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1270 E 2
Latitude:	32.7684262
Longitude:	-117.0467633
X MapCoord:	6316740.536
Y MapCoord:	1860311.686

Record ID:	DEH2005-LSAM-H05480-004
Record Status:	Completed
Opened Date:	08/12/2005
Parcel Number:	469-050-24-00
Case Type:	LOP - Local Oversight Program
Historical Name:	EXXONMOBIL 18-PWJ
SWRCB Global ID:	T06019790476
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	09/20/2005
Census Tract:	29.05
Community:	San Diego
Jurisdiction:	SAN DIEGO

70TH MOBIL (Continued) **S104746189**

Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1270 E 2
Latitude:	32.7684262
Longitude:	-117.0467633
X MapCoord:	6316740.536
Y MapCoord:	1860311.686
Record ID:	DEH1987-LSAM-H05480-001
Record Status:	Completed
Opened Date:	06/26/1987
Parcel Number:	469-050-24-00
Case Type:	Not reported
Historical Name:	MOBIL
SWRCB Global ID:	T0608153856
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	06/26/1987
Census Tract:	29.05
Community:	San Diego
Jurisdiction:	SAN DIEGO
Watershed Basin Number:	908.22
Water Purveyor:	SAN DIEGO
Fire Agency:	SAN DIEGO
Thomas Bros Map Page Grid:	1270 E 2
Latitude:	32.7684262
Longitude:	-117.0467633
X MapCoord:	6316740.536
Y MapCoord:	1860311.686

I37 **70TH MOBIL** **SAN DIEGO CO. SAM** **S107619714**
WSW **7003 EL CAJON BL** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115**
0.395 mi.
2088 ft. **Site 5 of 9 in cluster I**

Relative:
Higher

Actual:
475 ft.

SAN DIEGO CO. SAM:

Case Number:	H05480-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	9/30/1987
Date Began:	6/26/1987
Case Number:	H05480-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/26/1991
Date Began:	1/11/1988
Case Number:	H05480-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only

70TH MOBIL (Continued) **S107619714**

Facility Status: Closed Case
Date: 2/16/2001
Date Began: 1/4/1996

Case Number: H05480-004
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Preliminary Assessment
Date: 9/29/2005
Date Began: 7/28/2005

I38 **MOBIL SERVICE STATION** **LUST** **S102433758**
WSW **7003 EL CAJON BLVD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115**
0.395 mi.
2088 ft. **Site 6 of 9 in cluster I**

Relative:
Higher

Actual:
475 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT885
Local Case: H05480-002
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: New Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/30/1987
Date Stopped: 12/30/1987
Confirm Date: 01/11/1988
Submit Workplan: Not reported
Prelim Assess: 01/15/1988
Desc Pollution: Not reported
Remed Plan: 10/13/1989
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/05/1988
Enforce Date: Not reported
Closed Date: 8/15/91
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

J39 **ORAM'S AUTO ELECTRIC REPAIR** **LUST** **S106061906**
ESE **7801 EL CAJON BLVD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **LA MESA, CA 91941** **SAN DIEGO CO LOP**
0.400 mi.
2111 ft. **Site 1 of 4 in cluster J**

Relative:
Higher

Actual:
558 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000009103
Global Id:	T10000009103
Latitude:	32.76825
Longitude:	-117.02968
Status:	Open - Site Assessment
Status Date:	07/05/2016
Case Worker:	EM
RB Case Number:	Not reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Not reported
Local Case Number:	DEH2016-LSAM-000380
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

LUST:

Global Id:	T10000009103
Contact Type:	Local Agency Caseworker
Contact Name:	EWAN MOFFAT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ewan.moffat@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T10000009103
Action Type:	Other
Date:	06/29/2016
Action:	Leak Reported

Global Id:	T10000009103
Action Type:	ENFORCEMENT
Date:	07/06/2016
Action:	Notice of Responsibility

Global Id:	T10000009103
Action Type:	Other
Date:	06/29/2016
Action:	Leak Began

Global Id:	T10000009103
Action Type:	ENFORCEMENT
Date:	02/15/2017
Action:	Technical Correspondence / Assistance / Other

Global Id:	T10000009103
Action Type:	RESPONSE
Date:	07/05/2016
Action:	Tank Removal Report / UST Sampling Report

ORAM'S AUTO ELECTRIC REPAIR (Continued) **S106061906**

Global Id: T10000009103
Action Type: ENFORCEMENT
Date: 10/18/2016
Action: Unauthorized Release Form

Global Id: T10000009103
Action Type: RESPONSE
Date: 12/08/2016
Action: Site Assessment Report - Regulator Responded

Global Id: T10000009103
Action Type: RESPONSE
Date: 02/15/2017
Action: Soil and Water Investigation Workplan - Regulator Responded

LUST:
Global Id: T10000009103
Status: Open - Case Begin Date
Status Date: 06/29/2016

Global Id: T10000009103
Status: Open - Site Assessment
Status Date: 07/05/2016

HMMD SAN DIEGO:
Permit Number: 122344
Business Type: 6HK26
EPA Id Number: CAL000137915
APN: 470-181-01-00
Last HMMD Inspection: 07/08/2002
Facility Telephone: 619-464-2468
Permit Status: CHNG
Permit Expiration: 03/31/2004
Date Last Updated: 11/02/2012
Facility Owner: JOE MANSOUR
Facility Mailing Address: 7801 EL CAJON BL
Facility Mailing City: LA MESA
Facility Mailing State: CA
Facility Mailing Zip: 91941-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Permit Number: 203016
Business Type: 6HK18
EPA Id Number: CAL000137915
APN: 470-181-01-00
Last HMMD Inspection: 01/27/2004
Facility Telephone: 619-463-3690
Permit Status: INAC
Permit Expiration: 03/31/2005

ORAM'S AUTO ELECTRIC REPAIR (Continued) **S106061906**

Date Last Updated:	11/02/2012
Facility Owner:	JOE MANSOUR
Facility Mailing Address:	7801 EL CAJON BL
Facility Mailing City:	LA MESA
Facility Mailing State:	CA
Facility Mailing Zip:	91941
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Permit Number:	203016
Business Type:	6HK18
EPA Id Number:	CAL000137915
APN:	470-181-01-00
Last HMMD Inspection:	01/27/2004
Facility Telephone:	619-463-3690
Permit Status:	INAC
Permit Expiration:	03/31/2005
Date Last Updated:	11/02/2012
Facility Owner:	JOE MANSOUR
Facility Mailing Address:	7801 EL CAJON BL
Facility Mailing City:	LA MESA
Facility Mailing State:	CA
Facility Mailing Zip:	91941
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Permit Number:	122344
Business Type:	6HK26
EPA Id Number:	CAL000137915
APN:	470-181-01-00
Last HMMD Inspection:	07/08/2002
Facility Telephone:	619-464-2468
Permit Status:	CHNG
Permit Expiration:	03/31/2004
Date Last Updated:	11/02/2012
Facility Owner:	JOE MANSOUR
Facility Mailing Address:	7801 EL CAJON BL
Facility Mailing City:	LA MESA
Facility Mailing State:	CA
Facility Mailing Zip:	91941-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

ORAM'S AUTO ELECTRIC REPAIR (Continued) **S106061906**

SAN DIEGO CO LOP:

Record ID:	DEH2016-LSAM-000380
Record Status:	Open
Opened Date:	07/05/2016
Parcel Number:	470-181-01-00
Case Type:	LOP - Local Oversight Program
Historical Name:	Not reported
SWRCB Global ID:	T10000009103
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	07/05/2016
Census Tract:	146.01
Community:	La Mesa
Jurisdiction:	LA MESA
Watershed Basin Number:	908.22
Water Purveyor:	HELIX WATER DISTRICT LAND
Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 G 2
Latitude:	32.7682540
Longitude:	-117.0295780
X MapCoord:	6322016.203
Y MapCoord:	1860203.697

J40 **AUTOZONE #2809** **LUST S104749465**
SE **7791 EL CAJON BL** **CPS-SLIC N/A**
1/4-1/2 **LA MESA, CA 91941** **HIST CORTESE**
0.402 mi.
2120 ft. **Site 2 of 4 in cluster J**

Relative:
Higher

Actual:
549 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301995
Global Id:	T0607301995
Latitude:	32.767876
Longitude:	-117.030515
Status:	Completed - Case Closed
Status Date:	08/28/1996
Case Worker:	Not reported
RB Case Number:	9UT3241
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H20547-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Stoddard solvent / Mineral Spriits / Distillates
Site History:	Not reported

LUST:

Global Id:	T0607301995
Action Type:	Other
Date:	03/27/1996
Action:	Leak Began

Global Id:	T0607301995
Action Type:	Other
Date:	03/27/1996
Action:	Leak Discovery

AUTOZONE #2809 (Continued) **S104749465**

Global Id: T0607301995
Action Type: Other
Date: 03/27/1996
Action: Leak Stopped

Global Id: T0607301995
Action Type: Other
Date: 03/27/1996
Action: Leak Reported

LUST:
Global Id: T0607301995
Status: Open - Case Begin Date
Status Date: 03/27/1996

Global Id: T0607301995
Status: Completed - Case Closed
Status Date: 08/28/1996

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/12/2002
Global Id: T0608197864
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H20547-002
Latitude: 32.767918
Longitude: -117.03054
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Stoddard solvent / Mineral Spriits / Distillates
Site History: Not reported

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

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3241

J41 **STANDARD BRANDS** **LUST** **S105032621**
SE **7791 EL CAJON BLVD** **N/A**
1/4-1/2 **LA MESA, CA 91941**
0.402 mi.
2120 ft. **Site 3 of 4 in cluster J**

Relative:
Higher

Actual:
549 ft.

J42 **AUTOZONE #2809** **SAN DIEGO CO. SAM** **S105690245**
SE **7791 EL CAJON BL** **N/A**
1/4-1/2 **LA MESA, CA 91941**
0.402 mi.
2120 ft. **Site 4 of 4 in cluster J**

Relative:
Higher

Actual:
549 ft.

SAN DIEGO CO. SAM:

Case Number:	H20547-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - For Non-LOP Tank**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/28/1996
Date Began:	3/27/1996
Case Number:	H20547-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	7/12/2002
Date Began:	7/7/1997

I43 **CHEVRON STATION #9-5217** **LUST** **S104539566**
WSW **6992 EL CAJON BLVD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115**
0.402 mi.
2124 ft. **Site 7 of 9 in cluster I**

Relative:
Higher

Actual:
477 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1197
Local Case:	H05658-001
Substance:	Unleaded Gasoline
Qty Leaked:	5000
Abate Method:	EDVSFP
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Repair Tank
Source:	Other Source
Cause:	Other Cause
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	01/25/1989
Date Stopped:	01/25/1989
Confirm Date:	01/25/1989
Submit Workplan:	Not reported
Prelim Assess:	01/25/1989
Desc Pollution:	9/30/89
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	4/29/92
Release Date:	11/28/1988
Enforce Date:	Not reported
Closed Date:	5/17/00
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.22
GW Depth:	28

CHEVRON STATION #9-5217 (Continued) **S104539566**

Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

I44 **CHEVRON STATION 9 5217** **RCRA-SQG** **1000820563**
WSW **6992 EL CAJON BLVD** **SAN DIEGO CO. SAM** **CAD983666256**
1/4-1/2 **SAN DIEGO, CA 92115** **FINDS**
0.402 mi. **ECHO**
2124 ft. **Site 8 of 9 in cluster I**

Relative:
Higher

Actual:
477 ft.

RCRA-SQG:
Date form received by agency: 04/27/1993
Facility name: CHEVRON STATION 9 5217
Facility address: 6992 EL CAJON BLVD
SAN DIEGO, CA 92115
EPA ID: CAD983666256
Mailing address: PO BOX 2833
LA HABRA, CA 90632
Contact: DESIREE CLOSS
Contact address: PO BOX 2833
LA HABRA, CA 90632
Contact country: US
Contact telephone: 310-694-7452
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: CHEVRON USA PRODUCTS CO
Owner/operator address: PO BOX 2833
LA HABRA, CA 90632
Owner/operator country: Not reported
Owner/operator telephone: 310-694-7452
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

CHEVRON STATION 9 5217 (Continued) **1000820563**

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

Violation Status: No violations found

SAN DIEGO CO. SAM:

Case Number:	H05658-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	5/31/2000
Date Began:	1/25/1989

FINDS:

Registry ID: 110002897642

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:	1000820563
Registry ID:	110002897642
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002897642

I45 **CHEVRON SERV. STA.** **LUST** **S104746223**
WSW **6992 EL CAJON** **HIST CORTESE** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115**
0.402 mi.
2124 ft. **Site 9 of 9 in cluster I**

Relative:
Higher

Actual:
477 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300161
Global Id:	T0607300161
Latitude:	32.7687769
Longitude:	-117.0473147
Status:	Completed - Case Closed
Status Date:	05/31/2000

CHEVRON SERV. STA. (Continued) **S104746223**

Case Worker: SW
RB Case Number: 9UT1197
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H05658-001
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607300161
Contact Type: Local Agency Caseworker
Contact Name: SCOTT WELDON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: scott.weldon@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607300161
Action Type: ENFORCEMENT
Date: 01/26/1989
Action: Notice of Responsibility

Global Id: T0607300161
Action Type: Other
Date: 01/25/1989
Action: Leak Began

Global Id: T0607300161
Action Type: Other
Date: 01/25/1989
Action: Leak Discovery

Global Id: T0607300161
Action Type: Other
Date: 01/25/1989
Action: Leak Stopped

Global Id: T0607300161
Action Type: Other
Date: 01/25/1989
Action: Leak Reported

LUST:
Global Id: T0607300161
Status: Open - Case Begin Date
Status Date: 01/25/1989

Global Id: T0607300161
Status: Completed - Case Closed
Status Date: 05/31/2000

HIST CORTESE:

CHEVRON SERV. STA. (Continued) **S104746223**

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1197

K46 **WINSTON AUTO CARE** **SAN DIEGO CO. SAM** **S106061261**
WSW **6970 EL CAJON BL** **San Diego Co. HMMD** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115**
0.426 mi.
2248 ft. **Site 1 of 2 in cluster K**

Relative:
Higher

Actual:
472 ft.

SAN DIEGO CO. SAM:
Case Number: H15009-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: AX
Facility Status: Closed Case
Date: 1/23/2008
Date Began: 12/12/2007

HMMD SAN DIEGO:
Permit Number: 210930
Business Type: 6HK26
EPA Id Number: CAL000344287
APN: 468-162-18-00
Last HMMD Inspection: 12/08/2011
Facility Telephone: 619-469-1827
Permit Status: EXPR
Permit Expiration: 10/31/2012
Date Last Updated: 11/02/2012
Facility Owner: EXCELLENT SERVICE & TOWING INC
Facility Mailing Address: 6970 EL CAJON BL
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92115
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 210930
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 210930
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE

WINSTON AUTO CARE (Continued) **S106061261**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 210930
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 210930
Business Type: 6HK26
EPA Id Number: CAL000344287
APN: 468-162-18-00
Last HMMD Inspection: 12/08/2011
Facility Telephone: 619-469-1827
Permit Status: EXPR
Permit Expiration: 10/31/2012
Date Last Updated: 11/02/2012
Facility Owner: EXCELLENT SERVICE & TOWING INC
Facility Mailing Address: 6970 EL CAJON BL
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92115
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 210930
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 210930
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 210930
Update Date: 11/02/2012
Case Number: Not reported

WINSTON AUTO CARE (Continued) **S106061261**

Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 115009
Business Type: 6HK26
EPA Id Number: CAL000023125
APN: 468-162-18-00
Last HMMD Inspection: 03/02/2001
Facility Telephone: 619-469-6162
Permit Status: INAC
Permit Expiration: 01/31/2002
Date Last Updated: 11/02/2012
Facility Owner: WINSTON TIRE CO
Facility Mailing Address: 900 W ALAMEDA AV
Facility Mailing City: BURBANK
Facility Mailing State: CA
Facility Mailing Zip: 91506-2802
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000344287
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 619-469-1827
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 10/23/2017
Facility Owner: Not reported
Facility Mailing Address: 6970 El Cajon Blvd, San Diego, CA 92115
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2009-HUPFP-210930
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-210930
Program Element: Hazardous Waste Generator
Inspection Type: Routine

WINSTON AUTO CARE (Continued) **S106061261**

Inspection Number:	5736245
Return To Compliance Date:	2017-08-03T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2017-10-23T20:31:45.000
Inspection Date:	2017-08-01T12:49:00.000
Violation Code:	HMD0226 Did not accumulate waste in a container or tank. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2)

Record ID:	DEH2009-HUPFP-210930
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-210930
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4099803
Return To Compliance Date:	2015-09-10T00:00:00.000
Nov:	No
Violation Classification:	CLASS II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2017-10-23T20:31:45.000
Inspection Date:	2015-09-08T15:15:00.000
Violation Code:	1010002 HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a), (d)

Record ID:	DEH2009-HUPFP-210930
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-210930
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5736245
Return To Compliance Date:	2017-08-03T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2017-10-23T20:31:45.000
Inspection Date:	2017-08-01T12:49:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted for hazardous materials management &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Waste and Materials:

Record ID:	DEH2009-HUPFP-210930
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2015-HWAST-0059786
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2016-10-12T02:32:13.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL

WINSTON AUTO CARE (Continued) **S106061261**

Case Number: Not reported

Record ID: DEH2009-HUPFP-210930
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0059787
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-10-12T02:32:13.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: ANTIFREEZE
Case Number: Not reported

Record ID: DEH2009-HUPFP-210930
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0059788
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-10-12T02:32:13.000
Chemical Name: SANDING DUST
Common Name: SANDING DUST
Case Number: Not reported

Record ID: DEH2009-HUPFP-210930
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0059789
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-10-12T02:32:13.000
Chemical Name: PARTS WASHER
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2009-HUPFP-210930
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0127460
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T20:31:45.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE OIL & MIXED OIL
Case Number: Not reported

Record ID: DEH2009-HUPFP-210930
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0127461
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T20:31:45.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: WASTE ANTIFREEZE
Case Number: Not reported

WINSTON AUTO CARE (Continued) **S106061261**

Record ID:	DEH2009-HUPFP-210930
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0127462
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-10-23T20:31:45.000
Chemical Name:	WASTE SANDING DUST
Common Name:	WASTE SANDING DUST
Case Number:	Not reported

Record ID:	DEH2009-HUPFP-210930
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0127463
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-10-23T20:31:45.000
Chemical Name:	Waste 134. Aqueous solution with to
Common Name:	PARTS WASHER
Case Number:	Not reported

Permit Number:	206417
Business Type:	6HK26
EPA Id Number:	CAL000262038
APN:	468-162-18-00
Last HMMD Inspection:	02/21/2006
Facility Telephone:	619-465-7979
Permit Status:	INAC
Permit Expiration:	08/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	PRABASH KARUNARATHNE
Facility Mailing Address:	6970 EL CAJON BL
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92115
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	Inactive Permit

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006

WINSTON AUTO CARE (Continued) **S106061261**

Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit
Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit
Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	Inactive Permit
Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit
Permit Number:	206417
Business Type:	6HK26
EPA Id Number:	CAL000262038
APN:	468-162-18-00
Last HMMD Inspection:	02/21/2006
Facility Telephone:	619-465-7979
Permit Status:	INAC
Permit Expiration:	08/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	PRABASH KARUNARATHNE
Facility Mailing Address:	6970 EL CAJON BL
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92115
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

WINSTON AUTO CARE (Continued) **S106061261**

Violations Inactive Permits:

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	Inactive Permit

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	Inactive Permit

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

Permit Number:	206417
Business Type:	6HK26
EPA Id Number:	CAL000262038
APN:	468-162-18-00
Last HMMD Inspection:	02/21/2006
Facility Telephone:	619-465-7979
Permit Status:	INAC
Permit Expiration:	08/31/2007
Date Last Updated:	11/02/2012

WINSTON AUTO CARE (Continued) **S106061261**

Facility Owner:	PRABASH KARUNARATHNE
Facility Mailing Address:	6970 EL CAJON BL
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92115
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	Inactive Permit

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	Inactive Permit

Permit Number:	206417
Update Date:	11/02/2012
Inspection Date:	02/21/2006
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905

WINSTON AUTO CARE (Continued) **S106061261**

Activity:	Inactive Permit
Permit Number:	203887
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	468-162-18-00
Last HMMD Inspection:	08/11/2004
Facility Telephone:	619-465-7979
Permit Status:	INAC
Permit Expiration:	11/30/2004
Date Last Updated:	11/02/2012
Facility Owner:	WIN CENTER
Facility Mailing Address:	6970 EL CAJON BL
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92115
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0204

WINSTON AUTO CARE (Continued) **S106061261**

Violation:	WASTE CONTAINER:IMPROPER MGMT
Violation Citation:	Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0205
Violation:	WASTE CONTAINER: POOR CONDITION
Violation Citation:	Failed to transfer hazardous waste from a container that leaked or was in poor condition to another container in good condition. CCR 66265.171
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV1002

WINSTON AUTO CARE (Continued) **S106061261**

Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: Inactive Permit

Permit Number: 203887
Business Type: 6HK26
EPA Id Number: Not reported
APN: 468-162-18-00
Last HMMD Inspection: 08/11/2004
Facility Telephone: 619-465-7979
Permit Status: INAC
Permit Expiration: 11/30/2004
Date Last Updated: 11/02/2012
Facility Owner: WIN CENTER
Facility Mailing Address: 6970 EL CAJON BL
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92115
UST Owner: Not reported
Handle Regulated Hazmat: N
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Permit Number: 203887
Update Date: 11/02/2012
Inspection Date: 08/11/2004
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: Inactive Permit

Permit Number: 203887
Update Date: 11/02/2012
Inspection Date: 08/11/2004
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: Inactive Permit

Permit Number: 203887
Update Date: 11/02/2012
Inspection Date: 08/11/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: Inactive Permit

Permit Number: 203887

WINSTON AUTO CARE (Continued) **S106061261**

Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0204
Violation:	WASTE CONTAINER:IMPROPER MGMT
Violation Citation:	Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0205
Violation:	WASTE CONTAINER: POOR CONDITION
Violation Citation:	Failed to transfer hazardous waste from a container that leaked or was in poor condition to another container in good condition. CCR 66265.171
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit
Permit Number:	203887
Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	Inactive Permit
Permit Number:	203887

WINSTON AUTO CARE (Continued) **S106061261**

Update Date:	11/02/2012
Inspection Date:	08/11/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

K47 **WINSTON AUTO CENTER** **CPS-SLIC** **S100730037**
WSW **6970 EL CAJON BL** **N/A**
1/4-1/2 **SAN DIEGO, CA 92115**
0.426 mi.
2248 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
472 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/23/2008
Global Id:	SLT19767204
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H15009-001
Latitude:	32.769034
Longitude:	-117.047813
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

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

L48 **IN-OUT-MARKET STN#100946** **LUST** **S100178873**
North **5465 LAKE MURRAY BL** **CPS-SLIC** **N/A**
1/4-1/2 **LA MESA, CA 91942** **HIST CORTESE**
0.446 mi. **Notify 65**
2355 ft. **Site 1 of 3 in cluster L**

Relative:
Higher

Actual:
502 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300166
Global Id:	T0607300166
Latitude:	32.7792670238672
Longitude:	-117.037863135338
Status:	Completed - Case Closed
Status Date:	07/11/2013
Case Worker:	TVS
RB Case Number:	9UT1209
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H04549-002
Potential Media Affect:	Other Groundwater (uses other than drinking water)

IN-OUT-MARKET STN#100946 (Continued) **S100178873**

Potential Contaminants of Concern: Gasoline
Site History: Refer to "Site Maps/Documents" tab for Closure Letter/Summary

LUST:
Global Id: T0607300166
Contact Type: Local Agency Caseworker
Contact Name: TONY SAWYER
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: tony.sawyer@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607300166
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300166
Action Type: RESPONSE
Date: 11/05/2010
Action: Risk Assessment Report

Global Id: T0607300166
Action Type: RESPONSE
Date: 01/26/2010
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 01/31/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300166
Action Type: Other
Date: 12/13/1988
Action: Leak Began

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 01/31/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 04/27/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300166
Action Type: RESPONSE
Date: 12/12/2008

IN-OUT-MARKET STN#100946 (Continued) **S100178873**

Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 07/11/2013
Action: Closure/No Further Action Letter

Global Id: T0607300166
Action Type: RESPONSE
Date: 03/15/2011
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607300166
Action Type: RESPONSE
Date: 06/17/2011
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607300166
Action Type: RESPONSE
Date: 09/01/2011
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607300166
Action Type: RESPONSE
Date: 10/19/2011
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

Global Id: T0607300166
Action Type: RESPONSE
Date: 01/19/2012
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 12/28/1988
Action: Notice of Responsibility

Global Id: T0607300166
Action Type: Other
Date: 12/13/1988
Action: Leak Discovery

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 05/06/2010
Action: Notice of Responsibility

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 10/14/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300166
Action Type: Other
Date: 05/17/1989
Action: Leak Stopped

IN-OUT-MARKET STN#100946 (Continued) **S100178873**

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 02/03/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300166
Action Type: REMEDIATION
Date: 07/21/2008
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0607300166
Action Type: Other
Date: 12/28/1988
Action: Leak Reported

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 02/23/2010
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 05/05/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 12/31/2008
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0607300166
Action Type: ENFORCEMENT
Date: 10/21/2008
Action: Referral to Other State Agency

LUST:
Global Id: T0607300166
Status: Open - Case Begin Date
Status Date: 12/13/1988

Global Id: T0607300166
Status: Open - Remediation
Status Date: 04/02/2003

Global Id: T0607300166
Status: Open - Remediation
Status Date: 10/08/2009

Global Id: T0607300166
Status: Open - Eligible for Closure
Status Date: 05/16/2013

Global Id: T0607300166
Status: Completed - Case Closed
Status Date: 07/11/2013

IN-OUT-MARKET STN#100946 (Continued) **S100178873**

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/17/1988
Global Id:	T0608195734
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H04549-001
Latitude:	32.779283
Longitude:	-117.037987
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1209

NOTIFY 65:

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

L49 **IN-OUT MARKET STN#100946** **LUST S101301727**
North **5465 LAKE MURRAY BLVD** **SWEEPS UST N/A**
1/4-1/2 **LA MESA, CA 91942**
0.446 mi.
2355 ft. **Site 2 of 3 in cluster L**

Relative:
Higher

Actual:
502 ft.

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT1209
Local Case:	H04549-002
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only

IN-OUT MARKET STN#100946 (Continued) **S101301727**

Date Found: 12/27/1988
Date Stopped: 12/21/1988
Confirm Date: 12/27/1988
Submit Workplan: 6/20/89
Prelim Assess: 06/20/1989
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/29/1988
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 10'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 4549
Number: 9
Board Of Equalization: 44-022059
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

L50 **IN-OUT-MARKET STN#100946** **SAN DIEGO CO. SAM** **S105690158**
North **5465 LAKE MURRAY BL** **N/A**
1/4-1/2 **LA MESA, CA 91942**
0.446 mi.
2355 ft. **Site 3 of 3 in cluster L**

Relative:
Higher

Actual:
502 ft.

SAN DIEGO CO. SAM:
Case Number: H04549-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 2/17/1988
Date Began: 3/17/1987

IN-OUT-MARKET STN#100946 (Continued) **S105690158**

Case Number:	H04549-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Supply Impacted
Facility Status:	Remedial Action (Clean-Up)
Date:	5/18/2006
Date Began:	12/13/1988

M51 **DIXIE WITTIE/JAMES BROCK** **LUST** **S104749471**
ESE **7841 EL CAJON** **HIST CORTESE** **N/A**
1/4-1/2 **LA MESA, CA 92041**
0.449 mi.
2373 ft. **Site 1 of 3 in cluster M**

Relative:
Higher

Actual:
543 ft.

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301236
Global Id:	T0607301236
Latitude:	32.76829
Longitude:	-117.028891
Status:	Completed - Case Closed
Status Date:	06/13/1995
Case Worker:	Not reported
RB Case Number:	9UT2482
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H20553-001
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607301236
Action Type:	Other
Date:	03/19/1993
Action:	Leak Began

Global Id:	T0607301236
Action Type:	Other
Date:	03/19/1993
Action:	Leak Discovery

Global Id:	T0607301236
Action Type:	Other
Date:	07/28/1993
Action:	Leak Reported

Global Id:	T0607301236
Action Type:	Other
Date:	09/09/1986
Action:	Leak Stopped

LUST:

Global Id:	T0607301236
Status:	Open - Case Begin Date
Status Date:	09/09/1986

DIXIE WITTIE/JAMES BROCK (Continued) **S104749471**

Global Id: T0607301236
Status: Completed - Case Closed
Status Date: 06/13/1995

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2482

M52 **DIXIE WITTIE/ AMES BROCK** **LUST** **S102428846**
ESE **7841 EL CAJON BLVD** **N/A**
1/4-1/2 **LA MESA, CA 91941**
0.449 mi.
2373 ft. **Site 2 of 3 in cluster M**

Relative:
Higher

Actual:
543 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2482
Local Case: H20553-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 03/19/1993
Date Stopped: 09/09/1986
Confirm Date: / /
Submit Workplan: 7/28/93
Prelim Assess: 08/19/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/28/1993
Enforce Date: Not reported
Closed Date: 6/13/95
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

M53
ESE
1/4-1/2
0.449 mi.
2373 ft.

DIXIE L WITTIE AT0424
7841 EL CAJON BL
LA MESA, CA 91941

Site 3 of 3 in cluster M

SAN DIEGO CO. SAM **S105691686**
N/A

Relative:
Higher

Actual:
543 ft.

SAN DIEGO CO. SAM:

Case Number:	H20553-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	6/13/1995
Date Began:	3/19/1993

54
East
1/4-1/2
0.489 mi.
2584 ft.

GENERAL MOTORS SITE
5159 BALTIMORE DR
LA MESA, CA 91942

SAN DIEGO CO. SAM **S104745373**
CPS-SLIC **N/A**
San Diego Co. HMMD
SAN DIEGO CO LOP

Relative:
Higher

Actual:
485 ft.

SAN DIEGO CO. SAM:

Case Number:	H01883-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/18/1998
Date Began:	10/1/1995

Case Number:	H01883-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Complaint
Facility Status:	Closed Case
Date:	5/2/1988
Date Began:	1/26/1988

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/18/1998
Global Id:	T0608101647
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H01883-001
Latitude:	32.7731717943628
Longitude:	-117.026992042328
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

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

GENERAL MOTORS SITE (Continued) **S104745373**

HMMD SAN DIEGO:

Permit Number:	101883
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	470-050-16-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	Not reported
Facility Mailing Address:	Not reported
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO LOP:

Record ID:	DEH1988-LSAM-H01883-002
Record Status:	Completed
Opened Date:	01/26/1988
Parcel Number:	470-050-16-00
Case Type:	Not reported
Historical Name:	SURVIVAL SYSTEMS
SWRCB Global ID:	Not reported
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	Not reported
Census Tract:	148.03
Community:	La Mesa
Jurisdiction:	LA MESA
Watershed Basin Number:	907.11
Water Purveyor:	LA MESA
Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 H 2
Latitude:	32.7724218
Longitude:	-117.0254671
X MapCoord:	6323298.270
Y MapCoord:	1861709.682

55
WSW
1/2-1
0.638 mi.
3370 ft.

TOMS CLEANERS
6784 EL CAJON BL
SAN DIEGO, CA 92115

ENVIROSTOR **S105691298**
SAN DIEGO CO. SAM **N/A**
CPS-SLIC
San Diego Co. HMMD

Relative:
Higher

Actual:
462 ft.

ENVIROSTOR:

Facility ID:	37000071
Status:	Refer: 1248 Local Agency
Status Date:	10/18/2000
Site Code:	Not reported

TOMS CLEANERS (Continued) **S105691298**

Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 79
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.76894
Longitude: -117.0517
APN: 4681900500, 46914215, 46914216, 46914223
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 4681900500
Alias Type: APN
Alias Name: 46914215
Alias Type: APN
Alias Name: 46914216
Alias Type: APN
Alias Name: 46914223
Alias Type: APN
Alias Name: 37000071
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 10/18/2000
Comments: Sb 1248 San Diego County

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SAN DIEGO CO. SAM:
Case Number: H29313-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 1/30/2002

TOMS CLEANERS (Continued) **S105691298**

Date Began: 9/22/2000

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	01/30/2002
Global Id:	T0608165985
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H29313-001
Latitude:	32.768971
Longitude:	-117.051771
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

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

HMMD SAN DIEGO:

Permit Number:	129313
Business Type:	6HK53
EPA Id Number:	CAC00002486
APN:	468-142-15-00
Last HMMD Inspection:	10/02/1997
Facility Telephone:	619-589-5141
Permit Status:	INAC
Permit Expiration:	10/02/1997
Date Last Updated:	11/02/2012
Facility Owner:	JEAN LU & HOLLY HONG
Facility Mailing Address:	6784 EL CAJON BL #E
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92115-1602
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Permit Number:	131295
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	468-142-15-00
Last HMMD Inspection:	03/29/1991
Facility Telephone:	619-464-7867
Permit Status:	INAC
Permit Expiration:	03/29/1991
Date Last Updated:	11/02/2012
Facility Owner:	TAK WAH CHAN
Facility Mailing Address:	6784 EL CAJON BL #I

TOMS CLEANERS (Continued) **S105691298**

Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92115-1602
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

56
East
1/2-1
0.677 mi.
3572 ft.

Relative:
Higher

Actual:
526 ft.

BRADCO INTERNATIONAL LTD
8104 COMMERCIAL ST
LA MESA, CA 91942

LUST **1000185207**
SAN DIEGO CO. SAM **N/A**
CPS-SLIC
HIST UST
CHMIRS
HIST CORTESE
Notify 65
SAN DIEGO CO LOP

LUST:

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300774
Global Id:	T0607300774
Latitude:	32.7719139
Longitude:	-117.0237317
Status:	Completed - Case Closed
Status Date:	10/10/1994
Case Worker:	Not reported
RB Case Number:	9UT2000
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H14727-002
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607300774
Action Type:	ENFORCEMENT
Date:	05/30/1991
Action:	Notice of Responsibility
Global Id:	T0607300774
Action Type:	Other
Date:	10/16/1990
Action:	Leak Discovery
Global Id:	T0607300774
Action Type:	Other
Date:	10/16/1990
Action:	Leak Began
Global Id:	T0607300774
Action Type:	Other
Date:	12/07/1990
Action:	Leak Reported

BRADCO INTERNATIONAL LTD (Continued) **1000185207**

Global Id: T0607300774
Action Type: Other
Date: 05/30/1991
Action: Leak Stopped

LUST:
Global Id: T0607300774
Status: Open - Case Begin Date
Status Date: 10/16/1990

Global Id: T0607300774
Status: Completed - Case Closed
Status Date: 10/10/1994

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2000
Local Case: H14727-002
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 05/30/1991
Date Stopped: 05/30/1991
Confirm Date: 05/30/1991
Submit Workplan: 6/21/91
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 2/9/94
Began Monitor: Not reported
Release Date: 05/30/1991
Enforce Date: Not reported
Closed Date: 10/10/94
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 13
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 3B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

BRADCO INTERNATIONAL LTD (Continued) **1000185207**

SAN DIEGO CO. SAM:

Case Number:	H14727-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	1/11/1989
Date Began:	10/10/1988

Case Number:	H14727-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	10/10/1994
Date Began:	10/16/1990

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/11/1989
Global Id:	T0608159407
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H14727-001
Latitude:	32.772081
Longitude:	-117.023654
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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

HIST UST:

File Number:	0002ACD2
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002ACD2.pdf
Region:	STATE
Facility ID:	00000068578
Facility Type:	Other
Other Type:	LIGHT CONSTRUCTION
Contact Name:	Not reported
Telephone:	6195897575
Owner Name:	BRADCO INTERNATIONAL, LTD.
Owner Address:	8104 COMMERCIAL STREET
Owner City,St,Zip:	LA MESA, CA 92041
Total Tanks:	0003

Tank Num:	001
Container Num:	#1
Year Installed:	1970
Tank Capacity:	00005000
Tank Used for:	WASTE

BRADCO INTERNATIONAL LTD (Continued) **1000185207**

Type of Fuel:	1
Container Construction Thickness:	X
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	#2
Year Installed:	1980
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	#3
Year Installed:	1980
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

CHMIRS:

OES Incident Number:	1-3156
OES notification:	05/24/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence

BRADCO INTERNATIONAL LTD (Continued) **1000185207**

Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1638
Year:	2011
Agency:	San Diego Gas & Electric
Incident Date:	5/23/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Natural Gas
Quantity Released:	unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the caller a landscaping contactor struck a service line causing a pin hole leak. This occured yesterday and is now being reported due to a CPUC reportable requirement since media was on scene.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2000

NOTIFY 65:

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

SAN DIEGO CO LOP:

Record ID:	DEH1990-LSAM-H14727-002

BRADCO INTERNATIONAL LTD (Continued) **1000185207**

Record Status:	Completed
Opened Date:	12/07/1990
Parcel Number:	470-061-12-00
Case Type:	LOP - Local Oversight Program
Historical Name:	BRADCO INTERNATIONAL LTD.
SWRCB Global ID:	T0607300774
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/07/1990
Census Tract:	148.03
Community:	La Mesa
Jurisdiction:	LA MESA
Watershed Basin Number:	907.11
Water Purveyor:	LA MESA
Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 H 2
Latitude:	32.7719303
Longitude:	-117.0240131
X MapCoord:	6323738.821
Y MapCoord:	1861547.387

Record ID:	DEH1988-LSAM-H14727-001
Record Status:	Completed
Opened Date:	10/10/1988
Parcel Number:	470-061-12-00
Case Type:	Not reported
Historical Name:	BRADCO INTERNATIONAL LTD
SWRCB Global ID:	T0608159407
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	10/10/1988
Census Tract:	148.03
Community:	La Mesa
Jurisdiction:	LA MESA
Watershed Basin Number:	907.11
Water Purveyor:	LA MESA
Fire Agency:	LA MESA
Thomas Bros Map Page Grid:	1270 H 2
Latitude:	32.7719303
Longitude:	-117.0240131
X MapCoord:	6323738.821
Y MapCoord:	1861547.387

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57 **BOB STALL CHEVROLET** **ENVIROSTOR** **S101301717**
ESE **4999 BALTIMORE DR** **LUST** **N/A**
1/2-1 **LA MESA, CA 91941** **HIST CORTESE**
0.683 mi.
3606 ft.

Relative:
Higher

Actual:
523 ft.

ENVIROSTOR:

Facility ID:	37550010
Status:	Refer: 1248 Local Agency
Status Date:	02/25/2000
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO

BOB STALL CHEVROLET (Continued) **S101301717**

Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 79
Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.76902
Longitude: -117.0238
APN: 47023014
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 47023014
Alias Type: APN
Alias Name: 37550010
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 02/25/2000
Comments: DTSC is not involved with this project.

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

LUST:
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301952
Global Id: T0607301952
Latitude: 32.769507
Longitude: -117.023961
Status: Completed - Case Closed
Status Date: 01/05/1998
Case Worker: Not reported
RB Case Number: 9UT3187
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H03379-003
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

BOB STALL CHEVROLET (Continued) **S101301717**

LUST:
Global Id: T0607301952
Action Type: Other
Date: 04/01/1996
Action: Leak Began

Global Id: T0607301952
Action Type: Other
Date: 04/01/1996
Action: Leak Discovery

Global Id: T0607301952
Action Type: ENFORCEMENT
Date: 12/10/1997
Action: Closure/No Further Action Letter - #H03379-003

Global Id: T0607301952
Action Type: Other
Date: 04/01/1996
Action: Leak Stopped

Global Id: T0607301952
Action Type: Other
Date: 04/01/1996
Action: Leak Reported

LUST:
Global Id: T0607301952
Status: Open - Case Begin Date
Status Date: 04/01/1996

Global Id: T0607301952
Status: Completed - Case Closed
Status Date: 01/05/1998

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300998
Global Id: T0607300998
Latitude: 32.769507
Longitude: -117.023961
Status: Completed - Case Closed
Status Date: 12/09/1999
Case Worker: Not reported
RB Case Number: 9UT2230
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H03379-002
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607300998
Action Type: ENFORCEMENT
Date: 11/01/1999

BOB STALL CHEVROLET (Continued) **S101301717**

Action: Closure/No Further Action Letter - #H03379-002

Global Id: T0607300998
Action Type: Other
Date: 02/05/1992
Action: Leak Discovery

Global Id: T0607300998
Action Type: Other
Date: 02/05/1992
Action: Leak Began

Global Id: T0607300998
Action Type: ENFORCEMENT
Date: 04/03/1992
Action: Notice of Responsibility

Global Id: T0607300998
Action Type: Other
Date: 02/05/1992
Action: Leak Reported

Global Id: T0607300998
Action Type: Other
Date: 02/05/1992
Action: Leak Stopped

LUST:
Global Id: T0607300998
Status: Open - Case Begin Date
Status Date: 02/05/1992

Global Id: T0607300998
Status: Completed - Case Closed
Status Date: 12/09/1999

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300514
Global Id: T0607300514
Latitude: 32.769507
Longitude: -117.023961
Status: Completed - Case Closed
Status Date: 09/21/1991
Case Worker: Not reported
RB Case Number: 9UT1716
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H03379-001
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607300514
Action Type: Other

BOB STALL CHEVROLET (Continued) **S101301717**

Date: 05/10/1990
Action: Leak Began

Global Id: T0607300514
Action Type: ENFORCEMENT
Date: 09/05/1991
Action: Closure/No Further Action Letter

Global Id: T0607300514
Action Type: Other
Date: 05/10/1990
Action: Leak Discovery

Global Id: T0607300514
Action Type: Other
Date: 05/10/1990
Action: Leak Reported

Global Id: T0607300514
Action Type: Other
Date: 05/10/1990
Action: Leak Stopped

LUST:
Global Id: T0607300514
Status: Open - Case Begin Date
Status Date: 05/10/1990

Global Id: T0607300514
Status: Completed - Case Closed
Status Date: 09/21/1991

Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608164691
Global Id: T0608164691
Latitude: 32.769064
Longitude: -117.023837
Status: Completed - Case Closed
Status Date: 03/29/2000
Case Worker: Not reported
RB Case Number: Not reported
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H03379-004
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0608164691
Action Type: Other
Date: 02/25/2000
Action: Leak Began

Global Id: T0608164691

BOB STALL CHEVROLET (Continued) **S101301717**

Action Type: Other
Date: 02/25/2000
Action: Leak Discovery

Global Id: T0608164691
Action Type: Other
Date: 02/25/2000
Action: Leak Reported

LUST:
Global Id: T0608164691
Status: Open - Case Begin Date
Status Date: 02/25/2000

Global Id: T0608164691
Status: Completed - Case Closed
Status Date: 03/29/2000

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2230

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1716

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3187

58
ESE
1/2-1
0.777 mi.
4103 ft.

Relative:
Higher

Actual:
533 ft.

LA MESA LUMBER COMPANY YARD
4981 SPRING ST
LA MESA, CA 91941

ENVIROSTOR **S101541459**
LUST **N/A**
SAN DIEGO CO. SAM
CPS-SLIC
San Diego Co. HMMD
HIST CORTESE
SAN DIEGO CO LOP

ENVIROSTOR:
Facility ID: 37000054
Status: Refer: 1248 Local Agency
Status Date: 02/01/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress

LA MESA LUMBER COMPANY YARD (Continued) **S101541459**

Assembly: 79
Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.76977
Longitude: -117.0222
APN: 470-130-03
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 470-130-03
Alias Type: APN
Alias Name: 37000054
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 02/01/2000
Comments: DTSC is not involved with this project.

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

LUST:
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303039
Global Id: T0607303039
Latitude: 32.7698469686383
Longitude: -117.022740840912
Status: Completed - Case Closed
Status Date: 10/16/2014
Case Worker: Not reported
RB Case Number: 9UT787
Local Agency: Not reported
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply, Soil, Soil Vapor
Potential Contaminants of Concern: Gasoline
Site History: This case was transferred from the County of San Diego LOP to the Regional Water Quality Control Board for regulatory oversight. File are available at the regional Water Quality Control Board offices.

LUST:
Global Id: T0607303039
Action Type: ENFORCEMENT

LA MESA LUMBER COMPANY YARD (Continued) **S101541459**

Date: 04/08/2009
Action: Staff Letter

Global Id: T0607303039
Action Type: Other
Date: 05/12/1987
Action: Leak Reported

Global Id: T0607303039
Action Type: Other
Date: 05/12/1987
Action: Leak Began

Global Id: T0607303039
Action Type: RESPONSE
Date: 08/18/2009
Action: Correspondence

Global Id: T0607303039
Action Type: RESPONSE
Date: 07/30/2009
Action: Other Workplan

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 04/20/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 06/30/2009
Action: Staff Letter

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 03/03/2009
Action: Referral to Regional Board

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 02/17/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303039
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Annually

Global Id: T0607303039
Action Type: RESPONSE
Date: 03/04/2009
Action: Monitoring Report - Quarterly

Global Id: T0607303039
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

LA MESA LUMBER COMPANY YARD (Continued) **S101541459**

Global Id: T0607303039
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607303039
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607303039
Action Type: Other
Date: 05/12/1987
Action: Leak Discovery

Global Id: T0607303039
Action Type: RESPONSE
Date: 01/30/2010
Action: Site Assessment Report

Global Id: T0607303039
Action Type: REMEDIATION
Date: 10/01/1996
Action: Free Product Removal

Global Id: T0607303039
Action Type: RESPONSE
Date: 02/14/2014
Action: Request for Closure - Regulator Responded

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 05/12/1987
Action: Notice of Responsibility

Global Id: T0607303039
Action Type: RESPONSE
Date: 07/08/2009
Action: Soil and Water Investigation Workplan

Global Id: T0607303039
Action Type: RESPONSE
Date: 04/01/2012
Action: Correspondence

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 04/25/2011
Action: Staff Letter

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 06/01/2011
Action: Clean-up and Abatement Order

Global Id: T0607303039
Action Type: ENFORCEMENT

LA MESA LUMBER COMPANY YARD (Continued) **S101541459**

Date: 10/16/2014
Action: Closure/No Further Action Letter

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 03/03/2014
Action: Notification - Public Notice of Case Closure

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 06/09/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 04/21/2009
Action: Meeting

Global Id: T0607303039
Action Type: ENFORCEMENT
Date: 03/03/2014
Action: Notification - Fee Title Owners Notice

Global Id: T0607303039
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607303039
Action Type: Other
Date: 05/12/1987
Action: Leak Stopped

Global Id: T0607303039
Action Type: RESPONSE
Date: 08/26/2011
Action: CAP/RAP - Feasibility Study Report

Global Id: T0607303039
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607303039
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

LUST:
Global Id: T0607303039
Status: Open - Case Begin Date
Status Date: 05/12/1987

Global Id: T0607303039
Status: Open - Remediation
Status Date: 01/11/1989

LA MESA LUMBER COMPANY YARD (Continued) **S101541459**

Global Id: T0607303039
Status: Open - Assessment & Interim Remedial Action
Status Date: 04/26/2010

Global Id: T0607303039
Status: Open - Remediation
Status Date: 04/27/2010

Global Id: T0607303039
Status: Open - Remediation
Status Date: 04/27/2010

Global Id: T0607303039
Status: Open - Eligible for Closure
Status Date: 06/09/2014

Global Id: T0607303039
Status: Completed - Case Closed
Status Date: 10/16/2014

LUST REG 9:
Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT787
Local Case: H03685-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 05/08/1987
Date Stopped: 05/08/1987
Confirm Date: 05/12/1987
Submit Workplan: Not reported
Prelim Assess: 08/20/1987
Desc Pollution: Not reported
Remed Plan: 02/09/1994
Remed Action: 12/21/92
Began Monitor: Not reported
Release Date: 08/20/1987
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 25’
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 1B
File Dispn: Not reported
Interim Remedial Actions: Yes

LA MESA LUMBER COMPANY YARD (Continued) **S101541459**

Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:

Case Number:	H03685-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	10/10/1994
Date Began:	5/12/1987

Case Number:	H03685-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	2/8/2000
Date Began:	12/23/1999

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/08/2000
Global Id:	T0608174956
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H03685-002
Latitude:	32.769746
Longitude:	-117.022376
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

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

HMMD SAN DIEGO:

Permit Number:	103685
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	470-130-10-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	LA MESA LUMBER YARD
Facility Mailing Address:	8255 UNIVERSITY AV
Facility Mailing City:	LA MESA
Facility Mailing State:	CA
Facility Mailing Zip:	92041-
UST Owner:	Not reported

LA MESA LUMBER COMPANY YARD (Continued) **S101541459**

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

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT787

SAN DIEGO CO LOP:
Record ID: DEH1987-LSAM-H03685-001
Record Status: Completed
Opened Date: 05/12/1987
Parcel Number: 470-130-10-00
Case Type: Not reported
Historical Name: LA MESA LUMBER COMPANY YARD
SWRCB Global ID: T0607303039
Funding: N - Non-Billable
Lead Agency: RWQCB
Lead Agency Date: 03/04/2009
Census Tract: 149.02
Community: La Mesa
Jurisdiction: LA MESA
Watershed Basin Number: 907.11
Water Purveyor: LA MESA
Fire Agency: LA MESA
Thomas Bros Map Page Grid: 1270 H 2
Latitude: 32.7697724
Longitude: -117.0222484
X MapCoord: 6324241.128
Y MapCoord: 1860729.284

59
East
1/2-1
0.811 mi.
4284 ft.

Relative:
Higher

Actual:
522 ft.

EQUALITY PLATING CO
8172 CENTER ST
LA MESA, CA 91942

RCRA-LQG **1000148999**
ENVIROSTOR **CAD981979040**
San Diego Co. HMMD
DEED
FINDS
ECHO
EMI

RCRA-LQG:
Date form received by agency: 05/23/2012
Facility name: FORMER EQUALITY PLATING
Facility address: 8172 CENTER ST
LA MESA, CA 91942
EPA ID: CAD981979040
Mailing address: 10131 ROOKWOOD DR
SAN DIEGO, CA 92131
Contact: RONALD B WEISS
Contact address: 10131 ROOKWOOD DR
SAN DIEGO, CA 92131
Contact country: US
Contact telephone: 858-658-4380

EQUALITY PLATING CO (Continued) **1000148999**

Contact email: RBW131@YAHOO.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: RONALD B WEISS
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/07/2011
Owner/Op end date: Not reported

Owner/operator name: RONALD B WEISS
Owner/operator address: 10131 ROOKWOOD DR
SAN DIEGO, CA 92131
Owner/operator country: US
Owner/operator telephone: 858-658-4380
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/11/1998
Owner/Op end date: Not reported

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

EQUALITY PLATING CO (Continued) **1000148999**

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

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: D007
. Waste name: CHROMIUM

Historical Generators:
Date form received by agency: 09/01/1996
Site name: EQUALITY PLATING CO
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: EQUALITY PLATING CO
Classification: Small Quantity Generator

Date form received by agency: 03/23/1987
Site name: EQUALITY PLATING CO
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/22/1993
Date achieved compliance: 07/22/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 06/03/1992
Date achieved compliance: 07/22/1993
Violation lead agency: State

EQUALITY PLATING CO (Continued) **1000148999**

Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/26/1991
Date achieved compliance: 06/03/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/28/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/22/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/22/1998
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 06/03/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/22/1993
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/26/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/03/1992
Evaluation lead agency: State Contractor/Grantee

ENVIROSTOR:
Facility ID: 71002934
Status: Certified O&M - Land Use Restrictions Only
Status Date: 11/14/2016
Site Code: 551189
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 0.2
NPL: NO

EQUALITY PLATING CO (Continued) **1000148999**

Regulatory Agencies: HWMP
Lead Agency: HWMP
Program Manager: Violeta Mislang
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 79
Senate: 38
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.77193
Longitude: -117.0213
APN: NONE SPECIFIED
Past Use: METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC: Copper and compounds Cyanide (free Nickel
Confirmed COC: Copper and compounds Cyanide (free Nickel
Potential Description: CSS, SOIL
Alias Name: CAD981979040
Alias Type: EPA Identification Number
Alias Name: 110006475162
Alias Type: EPA (FRS #)
Alias Name: 551189
Alias Type: Project Code (Site Code)
Alias Name: 71002934
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/20/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 01/23/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/02/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/03/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/29/2012
Comments: Not reported

EQUALITY PLATING CO (Continued) **1000148999**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 03/21/2012
Comments: DTSC Review Memo ompleted on 2/2/9/2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/15/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measures Proposal Approval
Completed Date: 08/14/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 06/05/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 05/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 06/05/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/10/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 10/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit

EQUALITY PLATING CO (Continued) **1000148999**

Completed Date: 01/10/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 07/23/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Acknowledgement of Satisfaction
Completed Date: 10/25/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 02/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/24/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/04/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HMMD SAN DIEGO:
Permit Number: 104153
Business Type: 6HK34
EPA Id Number: CAD981979040
APN: 470-072-14-00
Last HMMD Inspection: 10/07/2010
Facility Telephone: 619-464-1515
Permit Status: INAC
Permit Expiration: 02/28/2011
Date Last Updated: 11/02/2012
Facility Owner: ALTC LLC
Facility Mailing Address: 8172 CENTER ST
Facility Mailing City: LA MESA
Facility Mailing State: CA

EQUALITY PLATING CO (Continued) **1000148999**

Facility Mailing Zip:	91942-2914
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit

Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV1003
Violation:	HMBP NOT AMENDED W/IN 30 DAYS
Violation Citation:	Business plan was not amended within 30 days for a 100% quantity increase, new disclosable materials or a change in business info. HSC 25505
Activity:	Inactive Permit

Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	02/26/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	Inactive Permit

Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	02/26/2003
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	Inactive Permit

Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	02/26/2003
Violation Code:	6HV0143
Violation:	TP NOTIFICATION INCOMPLETE/INCORRECT
Violation Citation:	TIERED PERMITTING: TP Notification has incomplete or incorrect information. 25201
Activity:	Inactive Permit

Permit Number:	104153

EQUALITY PLATING CO (Continued) **1000148999**

Update Date:	11/02/2012
Inspection Date:	02/26/2003
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	Inactive Permit
Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	02/26/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	Inactive Permit
Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	04/03/2008
Violation Code:	6HV0223
Violation:	MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation:	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity:	Inactive Permit
Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	06/25/2009
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	Inactive Permit
Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	06/25/2009
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	Inactive Permit
Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	10/07/2010
Violation Code:	6HV0148
Violation:	WASTE ANALYSIS RECORDS NOT AVAILABLE.
Violation Citation:	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
Activity:	Inactive Permit
Permit Number:	104153
Update Date:	11/02/2012
Inspection Date:	10/07/2010
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS

EQUALITY PLATING CO (Continued) **1000148999**

Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: Inactive Permit

Permit Number: 104153
Update Date: 11/02/2012
Inspection Date: 10/07/2010
Violation Code: 6HV0207
Violation: FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation: Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity: Inactive Permit

Permit Number: 104153
Update Date: 11/02/2012
Inspection Date: 10/07/2010
Violation Code: 6HV1742
Violation: NO PE WRITTEN ASSESSMENT OBTAINED
Violation Citation: Facility has not obtained a written statement/assessment signed by an independent, California registered professional engineer (PE) certifying that tank system and secondary containment for tanks or containers meet all the design requirements of Title 22 CCR. For the CA tier, treatment in "containers" does not require a written statement signed by a PE for the containment area. {66264.175(c); & 66265.190 through 66265.202; PBR: 67450.3(c)(9) & (12); For CA 25200.3(c)(4)}
Activity: Inactive Permit

Permit Number: 214343
Business Type: 6HK34
EPA Id Number: CAD981979040
APN: 470-072-14-00
Last HMMD Inspection: 05/09/2011
Facility Telephone: 619-464-1515
Permit Status: INAC
Permit Expiration: 02/29/2012
Date Last Updated: 11/02/2012
Facility Owner: LEMON GROVE PALATING/EQUALITY PLATING
Facility Mailing Address: 8172 CENTER ST
Facility Mailing City: LA MESA
Facility Mailing State: CA
Facility Mailing Zip: 91942
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

Violations Inactive Permits:
Permit Number: 214343
Update Date: 11/02/2012
Inspection Date: 05/09/2011
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA

EQUALITY PLATING CO (Continued) **1000148999**

identification number. CCR 66262.12(a)
Activity: Inactive Permit

Permit Number: 214343
Update Date: 11/02/2012
Inspection Date: 05/09/2011
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: Inactive Permit

Permit Number: 214343
Update Date: 11/02/2012
Inspection Date: 05/09/2011
Violation Code: 6HV1602
Violation: P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation: Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity: Inactive Permit

Permit Number: 214343
Business Type: 6HK34
EPA Id Number: CAD981979040
APN: 470-072-14-00
Last HMMD Inspection: 05/09/2011
Facility Telephone: 619-464-1515
Permit Status: INAC
Permit Expiration: 02/29/2012
Date Last Updated: 11/02/2012
Facility Owner: LEMON GROVE PALATING/EQUALITY PLATING
Facility Mailing Address: 8172 CENTER ST
Facility Mailing City: LA MESA
Facility Mailing State: CA
Facility Mailing Zip: 91942
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

Violations Inactive Permits:
Permit Number: 214343
Update Date: 11/02/2012
Inspection Date: 05/09/2011
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: Inactive Permit

Permit Number: 214343
Update Date: 11/02/2012
Inspection Date: 05/09/2011
Violation Code: 6HV0304

EQUALITY PLATING CO (Continued) **1000148999**

Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: Inactive Permit

Permit Number: 214343
Update Date: 11/02/2012
Inspection Date: 05/09/2011
Violation Code: 6HV1602
Violation: P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation: Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity: Inactive Permit

DEED:
Envirostor ID: 71002934
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: TIERED PERMIT
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

FINDS:

Registry ID: 110006475162

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

HAZARDOUS AIR POLLUTANT MAJOR

RISK AND TECHNOLOGY REVIEW

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: 1000148999
Registry ID: 110006475162
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006475162

EQUALITY PLATING CO (Continued) **1000148999**

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD

EQUALITY PLATING CO (Continued) **1000148999**

SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.00000476
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00000476

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0

EQUALITY PLATING CO (Continued) **1000148999**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .00000685786927330 17
Part. Matter 10 Micrometers and Smllr Tons/Yr:.00000476

Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 2458
Air District Name: SD
SIC Code: 3471
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .00000476
Part. Matter 10 Micrometers and Smllr Tons/Yr:.00000476

Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 2458
Air District Name: SD
SIC Code: 3471
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .00473123
Part. Matter 10 Micrometers and Smllr Tons/Yr:.00473123

Year: 2008
County Code: 37
Air Basin: SD
Facility ID: 2458
Air District Name: SD
SIC Code: 3471
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: .00473123
Part. Matter 10 Micrometers and Smllr Tons/Yr:.00473123

EQUALITY PLATING CO (Continued) **1000148999**

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4.7312300000000003E-3
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.7312300000000003E-3

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471

EQUALITY PLATING CO (Continued) **1000148999**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.000396992
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000396992

Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.000396992
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000396992

Year:	2016
County Code:	37
Air Basin:	SD
Facility ID:	2458
Air District Name:	SD
SIC Code:	3471
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	Not reported
Reactive Organic Gases Tons/Yr:	Not reported
Carbon Monoxide Emissions Tons/Yr:	Not reported

EQUALITY PLATING CO (Continued) **1000148999**

NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0.000396992
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000396992

Count: 9 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LA MESA	S114570710	ALVARADO CREEK REDEVELOPMENT	8181 ALVARADO RD		RGA LUST
LA MESA	S108406960	B C R INC AT0613	8181 ALVARADO RD	91942	SAN DIEGO CO. SAM
LA MESA	S108406958	AUTO CORRAL	8075 ALVARADO RD	91942	SAN DIEGO CO. SAM
LA MESA	S108407021	DAVE DIGIAM BATTISTA	8500 ALVARADO RD	91942	SAN DIEGO CO. SAM
LA MESA	S108406934	AARON BROTHERS	8350 ALVARADO RD	91942	SAN DIEGO CO. SAM
LA MESA	S108407183	PHOENIX RESEARCH CORP	8075 ALVARADO RD	91942	SAN DIEGO CO. SAM, SAN DIEGO C LOP
SAN DIEGO	S114570709	ALVARADO CREEK REDEVELOPMEN	8181 ALVARADO RD		RGA LUST
SAN DIEGO	S106066841	C MOORE & SCOTT RICHARDS MD	ALVARADO CT	92120	San Diego Co. HMMD
SAN DIEGO	S108406992	CITICORP PLAZA	EL CAJON BL	92115	SAN DIEGO CO. SAM

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 79

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

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

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST 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: 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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 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 R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 21
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 09/10/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 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: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
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: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/18/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/29/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 48

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Quarterly

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: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/28/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 46

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/19/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

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

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 10/01/2018
Number of Days to Update: 32

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/02/2018
Number of Days to Update: 27

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 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: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/21/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/01/2018
Date Data Arrived at EDR: 05/17/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/28/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/04/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/03/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 09/11/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/18/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
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: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/21/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 107

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 05/07/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 39

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/28/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 39

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 12/17/2018
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: 08/24/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 10/01/2018
Number of Days to Update: 32

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/10/2018
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: 05/31/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/21/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 25

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/28/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 28

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 08/09/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 28
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

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

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/25/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 93
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

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: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

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: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/02/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

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: 08/03/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/06/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/02/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 14

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 44

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 09/04/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/18/2018
Number of Days to Update: 13

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
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: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 08/30/2018
Number of Days to Update: 44

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/01/2019
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 40

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 43

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 10/01/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/20/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 49

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/23/2018
Date Data Arrived at EDR: 08/24/2018
Date Made Active in Reports: 09/18/2018
Number of Days to Update: 25

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 59
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/16/2018
Date Data Arrived at EDR: 07/18/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 37
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
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: 04/01/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 63
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 10/29/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 10/22/2018
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: 08/30/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 57

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 07/18/2018
Date Data Arrived at EDR: 09/04/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
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: 08/27/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 36

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 11/19/2018
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: 09/04/2018
Date Data Arrived at EDR: 09/06/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 27

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 42

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 61

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
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: 05/07/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/02/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 08/07/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 07/27/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 31
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/17/2018
Date Data Arrived at EDR: 09/18/2018
Date Made Active in Reports: 10/03/2018
Number of Days to Update: 15
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 17

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 52

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 59

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/17/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 16

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 36
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90
Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 40
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 30
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/19/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/03/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 45

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/24/2018
Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 8

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 33

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 09/13/2018
Date Data Arrived at EDR: 09/14/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 5

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 11/19/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 41

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
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: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 29
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/26/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 28
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
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: 06/20/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 9
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 10/01/2018
Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/10/2018
Date Data Arrived at EDR: 05/15/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 31
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 08/01/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

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

ALVARADO CREEK RV PARK
7401 ALVARADO RD
LA MESA, CA 91942

TARGET PROPERTY COORDINATES

Latitude (North):	32.772336 - 32° 46' 20.41''
Longitude (West):	117.037863 - 117° 2' 16.31''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	496453.9
UTM Y (Meters):	3625858.8
Elevation:	416 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5622828 LA MESA, 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).

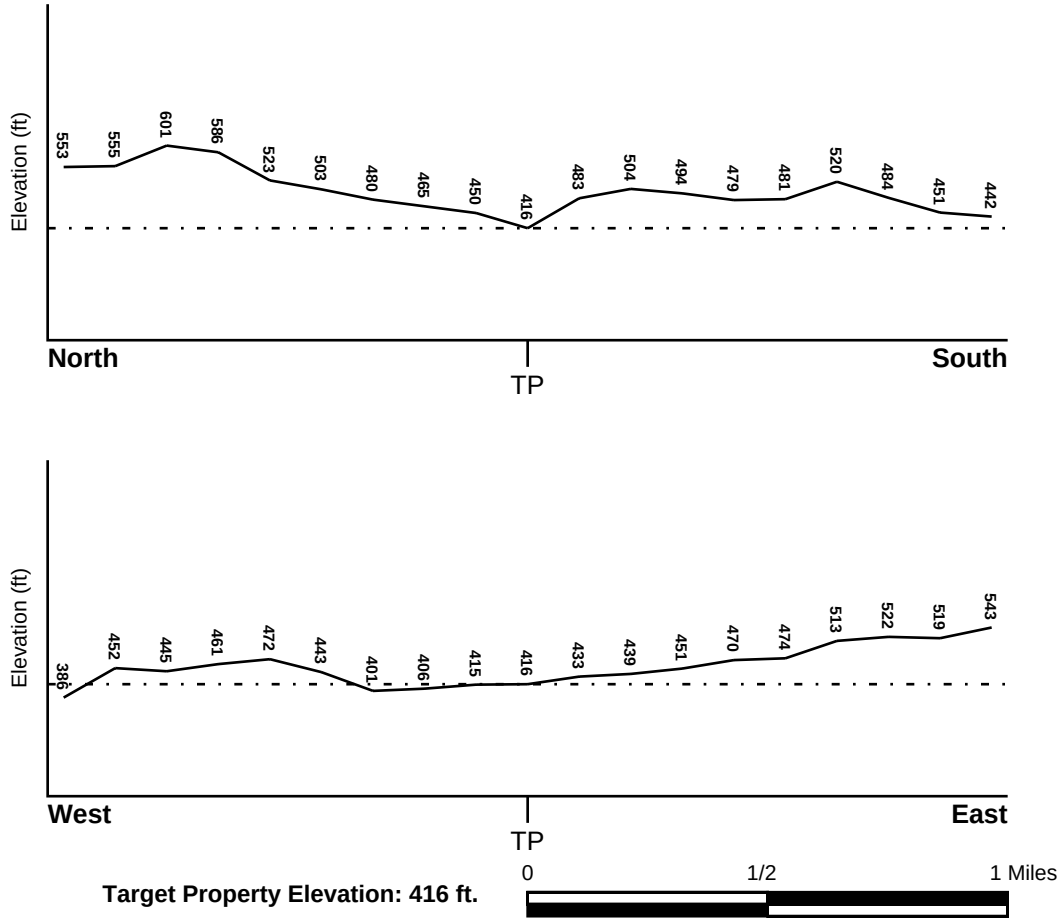
TOPOGRAPHIC INFORMATION

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



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
06073C1643J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06073C1641G	FEMA FIRM Flood data
06073C1642F	FEMA FIRM Flood data
06073C1644H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LA MESA	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
1	0 - 1/8 Mile NNE	W
2	1/2 - 1 Mile North	Not Reported
3	1/2 - 1 Mile WSW	Not Reported
4	1/2 - 1 Mile East	NW
5	1/2 - 1 Mile ESE	Not Reported
6	1/2 - 1 Mile East	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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1G	1/2 - 1 Mile North	Not Reported
2G	1/2 - 1 Mile East	Not Reported
3G	0 - 1/8 Mile NNE	W
4G	1/2 - 1 Mile East	NW
5G	1/2 - 1 Mile WSW	Not Reported
6G	1/2 - 1 Mile ESE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

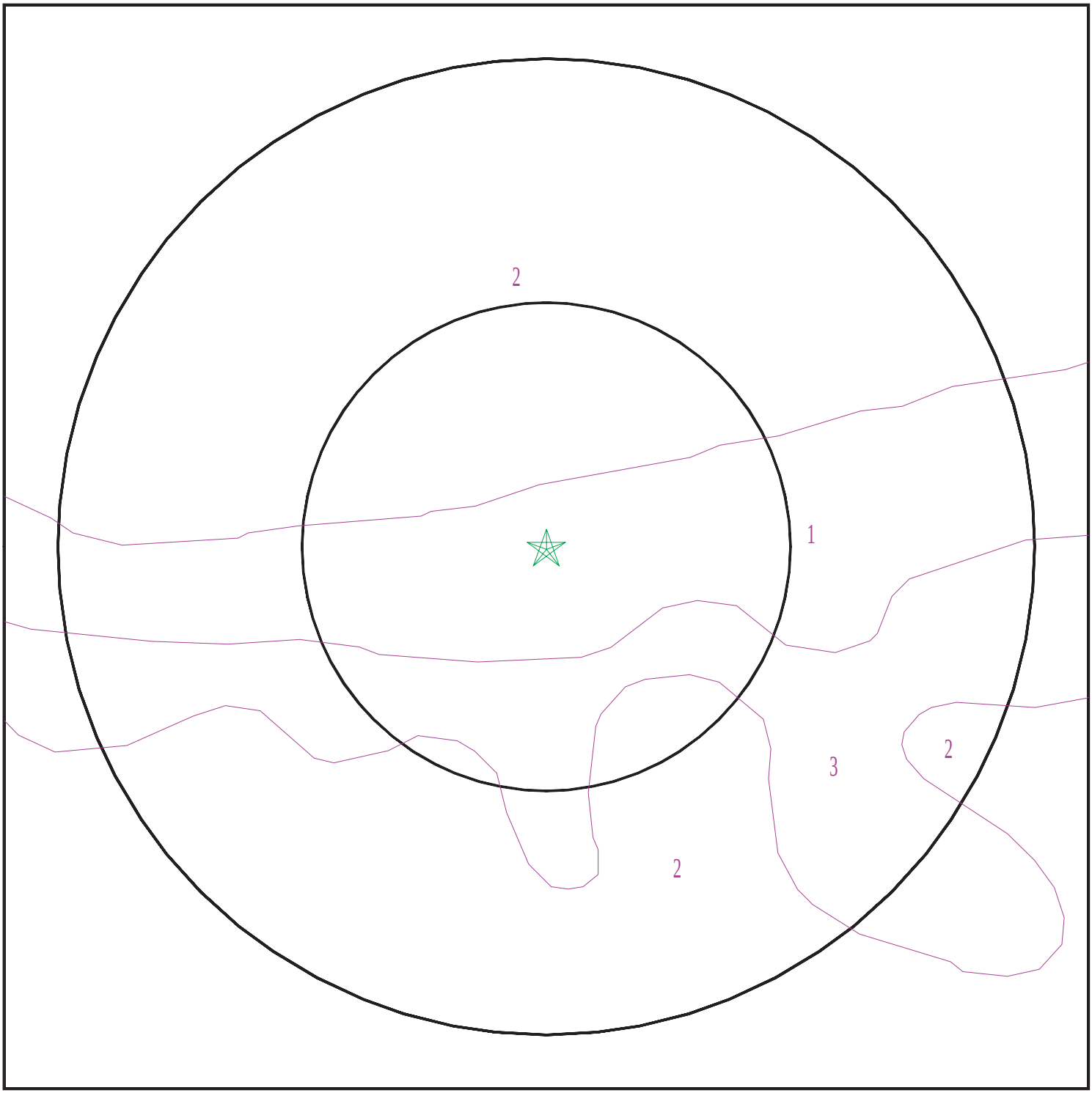
Era:	Mesozoic
System:	Lower Jurassic and Upper Triassic
Series:	Lower Mesozoic
Code:	lMze *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

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 - 5444787.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Alvarado Creek RV Park	CLIENT:	SCS Engineers
ADDRESS:	7401 Alvarado Rd La Mesa CA 91942	CONTACT:	Allison Oneal
		INQUIRY #:	5444787.2s
LAT/LONG:	32.772336 / 117.037863	DATE:	October 04, 2018 8:09 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: RIVERWASH

Soil Surface Texture: gravelly coarse sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Excessively drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 168 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	5 inches	gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	stratified extremely gravelly coarse sand to gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:

Soil Map ID: 2

Soil Component Name: REDDING

Soil Surface Texture: gravelly 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	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	14 inches	29 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	29 inches	44 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 3

Soil Component Name: REDDING

Soil Surface Texture: gravelly 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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	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	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
2	14 inches	29 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:
3	29 inches	44 inches	indurated	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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 - 5444787.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Alvarado Creek RV Park	CLIENT:	SCS Engineers
ADDRESS:	7401 Alvarado Rd La Mesa CA 91942	CONTACT:	Allison Oneal
		INQUIRY #:	5444787.2s
LAT/LONG:	32.772336 / 117.037863	DATE:	October 04, 2018 8:09 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **NNE** **0 - 1/8 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT0427 W 4.18 8.71 Not Reported 07/03/1996	**AQUIFLOW**	**34138**
2 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 20 06/22/1989	**AQUIFLOW**	**38356**
3 **WSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 80 03/28/1991	**AQUIFLOW**	**38812**
4 **East** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NW 6 10.5 Not Reported 09/23/1987	**AQUIFLOW**	**37934**
5 **ESE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT0156 Not Reported 30 40 Not Reported 06/24/1986	**AQUIFLOW**	**37937**
6 **East** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 18 05/1992	**AQUIFLOW**	**38795**
1G **North** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 20 06/22/1989	**AQUIFLOW**	**38356**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
2G **East** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 18 05/1992	**AQUIFLOW**	**38795**
3G **NNE** **0 - 1/8 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT0427 W 4.18 8.71 Not Reported 07/03/1996	**AQUIFLOW**	**34138**
4G **East** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NW 6 10.5 Not Reported 09/23/1987	**AQUIFLOW**	**37934**
5G **WSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 80 03/28/1991	**AQUIFLOW**	**38812**
6G **ESE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT0156 Not Reported 30 40 Not Reported 06/24/1986	**AQUIFLOW**	**37937**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91941	16	0

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
RECORDS FOR THE SITE VICINITY

SITE ASSESSMENT CASE CLOSURE SUMMARY

DEH/SAM FILE: H03641-002 T75 DATE: August 7, 1996

RESPONSIBLE PARTY: PriceCostco, 999 Lake Drive, Issaquah, WA 98021

SITE/FACILITY NAME: Alvarado Creek Redevelopment Site (8000 block of Alvarado Road)

SITE/FACILITY ADDRESS: 8181 Alvarado Road, La Mesa, CA 91942

RESPONSIBLE STAFF PERSON: Mark Fitzmaurice

OFF SITE IMPACTS? NO

BENEFICIAL USE GROUND WATER? YES

GROUND WATER AFFECTED? NO (soils only case)

FULL DELINEATION ACHIEVED? YES

CONCURRENCE WITH RWQCB STAFF: Greg Gearheart (re: stockpiled soil/asphalt) DATE: 7-23-96

CONCURRENCE WITH SA/M HYDROGEOLOGIST: Kevin Heaton KMH DATE: 8/12/96

CONCURRENCE WITH SA/M SUPERVISOR: Larry Bodenhamer LB DATE: 8/12/96

DISPOSAL AND REMEDIATION SUMMARY LB 8-14-96

CAUSE AND TYPE OF RELEASE: Surface spillage of waste petroleum products; asphaltic debris.

TYPE OF REMEDIATION USED AT SITE: None

QUANTITY OF SOIL/PRODUCT DISPOSED: None MANIFESTS PROVIDED? N/A

DISPOSAL LOCATION: N/A

CLEANUP LEVELS ESTABLISHED: None

MAXIMUM CONCENTRATIONS REMAINING ON SITE:

	8015/DEH - TPH (ppm)	418.1 - TRPH (ppm)	BTXE (ppm)
SOIL (stockpile)	780 (diesel) 21,000 (30 W oil)	N/A	<.05/<.05/<.05/<.05
SOIL (sub-surface)	14,020 (diesel) <10 (gasoline)	1,615	<.05/<.05/<.05/<.05
WATER	None Detected	None Detected	None Detected

	VOLATILE ORG.	SEMIVOLATILE ORG.	HALOGENATED ORG.
SOIL (subsurface)	None Detected	None Detected	None Detected
WATER	N/A	N/A	N/A

	PCB'S (ppm)	ORGANIC/TOTAL LEAD (ppm)	ARSENIC (ppm)
SOIL (stockpile)	N/A	11.6/1,610	N/A

SOIL (sub-surface)	0.55	11.6/1,610	16.9
WATER	N/A	N/A	N/A

ADDITIONAL COMMENTS: During a phase I site assessment of this redevelopment site, 9 areas of concern were identified at 5 business locations. Later, during a phase II site assessment, 61 soil samples were collected from bore holes and excavations, and 4 groundwater samples were collected using a strataprobe. Soil sample analytical data indicates that there is a very limited surficial impact to the environment. The volume of petroleum impacted soil in these areas is estimated to be 30 cubic yards with TRPH levels ranging from 'none detected' to 1,615 ppm. No further assessment/remedial action is required at these areas.

The phase I site assessment also identified a stockpile of construction type material located adjacent to the concrete lined creek-bed that runs parallel to Alvarado Road. The material is believed to have been debris removed from the creek by the City of La Mesa. The stockpile was sampled using SW-846 guidelines and was determined to be non-hazardous, even though one soil sample contained high levels of lead. RWQCB staff concurs with Ogden Environmental (consultant) that the on site use of the stockpile as industrial fill will not pose a threat to groundwater quality. The pile, consisting of 200-250 cubic yards of asphalt and 175 cubic yards of soil, will be covered with 6 to 7 feet of compacted fill material and then covered with asphaltic paving.

This redevelopment site is part of a larger grading project which involves importing soil from an adjacent property (5159 Baltimore Drive, La Mesa).

9675 Business Park Avenue, San Diego, California 92131-1644

RECEIVED
2001 SEP 21 PM 3 52
D. E. H.
MAILROOM

September 17, 2001

Well Permitting Clerk
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
1255 Imperial Avenue, Suite 300
San Diego, CA 92101

Subject: **Thirty-Day Drilling Report for Well Permit Number W99875, On Street Adjacent to 7601 Alvarado Road, La Mesa, California 91941**

Well Monitoring Clerk:

In accordance with the well permit referenced above, one soil boring was drilled at the site on July 5, 2001. A groundwater monitoring well was constructed in the soil boring. In accordance with the requirements of the well permit, Earth Tech is pleased to submit this thirty-day report for your records.

Following this cover letter are a Site Location Map, Site Map, and a Well Location Map (Figures 1, 2, and 9 respectively). Soil boring and groundwater monitoring well construction logs, soil and groundwater sample analytical results, and monitoring well permit are also included.

All soil cuttings and rinsate water generated during the drilling activities, as was well purge water generated during the groundwater sampling activities (July 26, 2001) were placed into UN/DOT-rated 55-gallon drums, labeled, and left on-site pending approval for appropriate disposal. We anticipate that the drummed soil, rinsate water, and purged groundwater will be transported off-site to an appropriate disposal or recycling facility within approximately one week.

If you have any questions, please call the undersigned at (858) 536-5610.

Very truly yours,
Earth Tech, Inc.

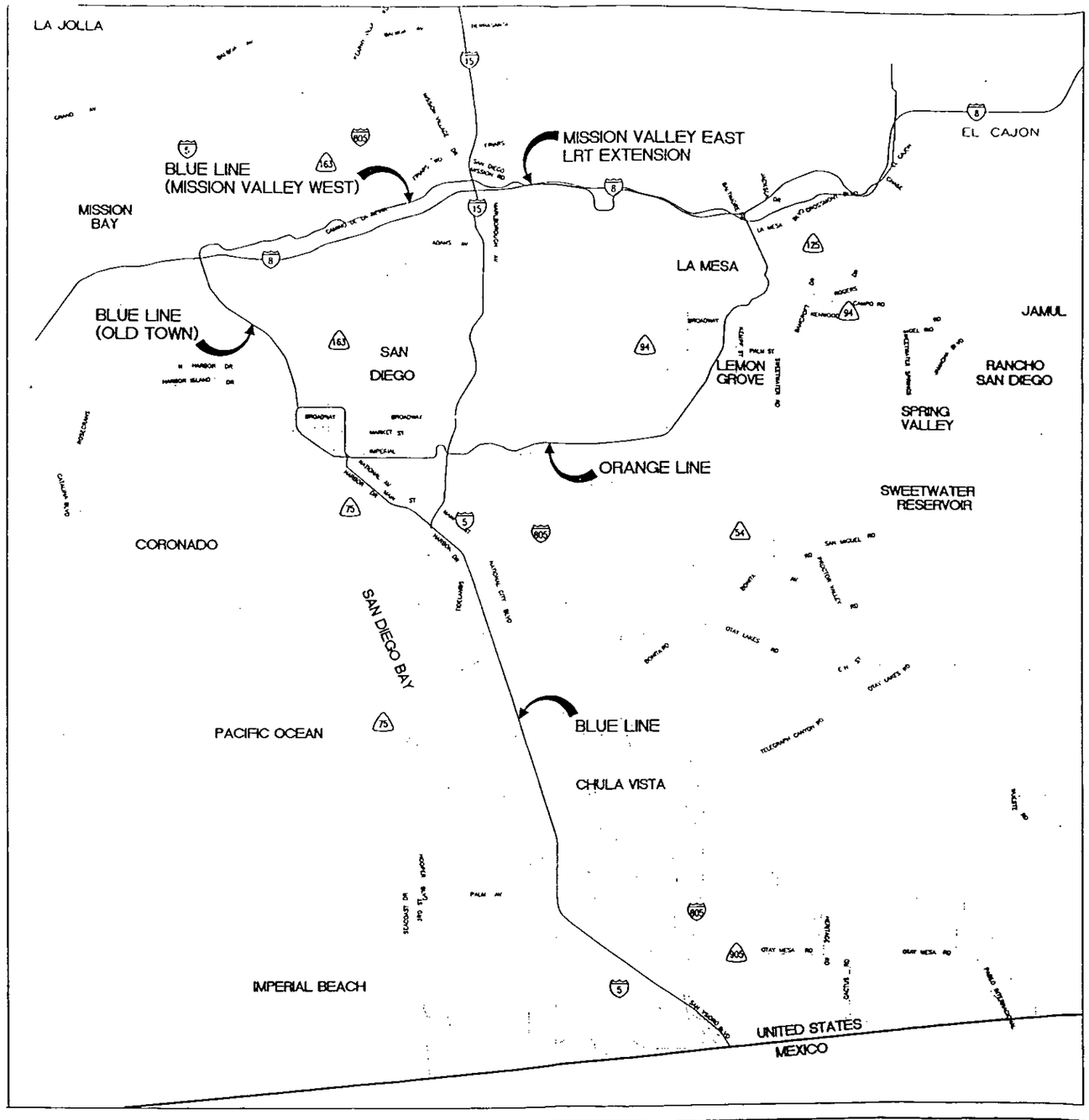
Douglas F. Roff, CEG, CHG
Environmental Group Manager

#1480 exp 3/31/03

cc

Ms. Laurie Apecechea, SAM

Telephone
858.536.5610
Facsimile
858.536.5620



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EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY
9675 BUSINESSPARK AVENUE, SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

VICINITY MAP

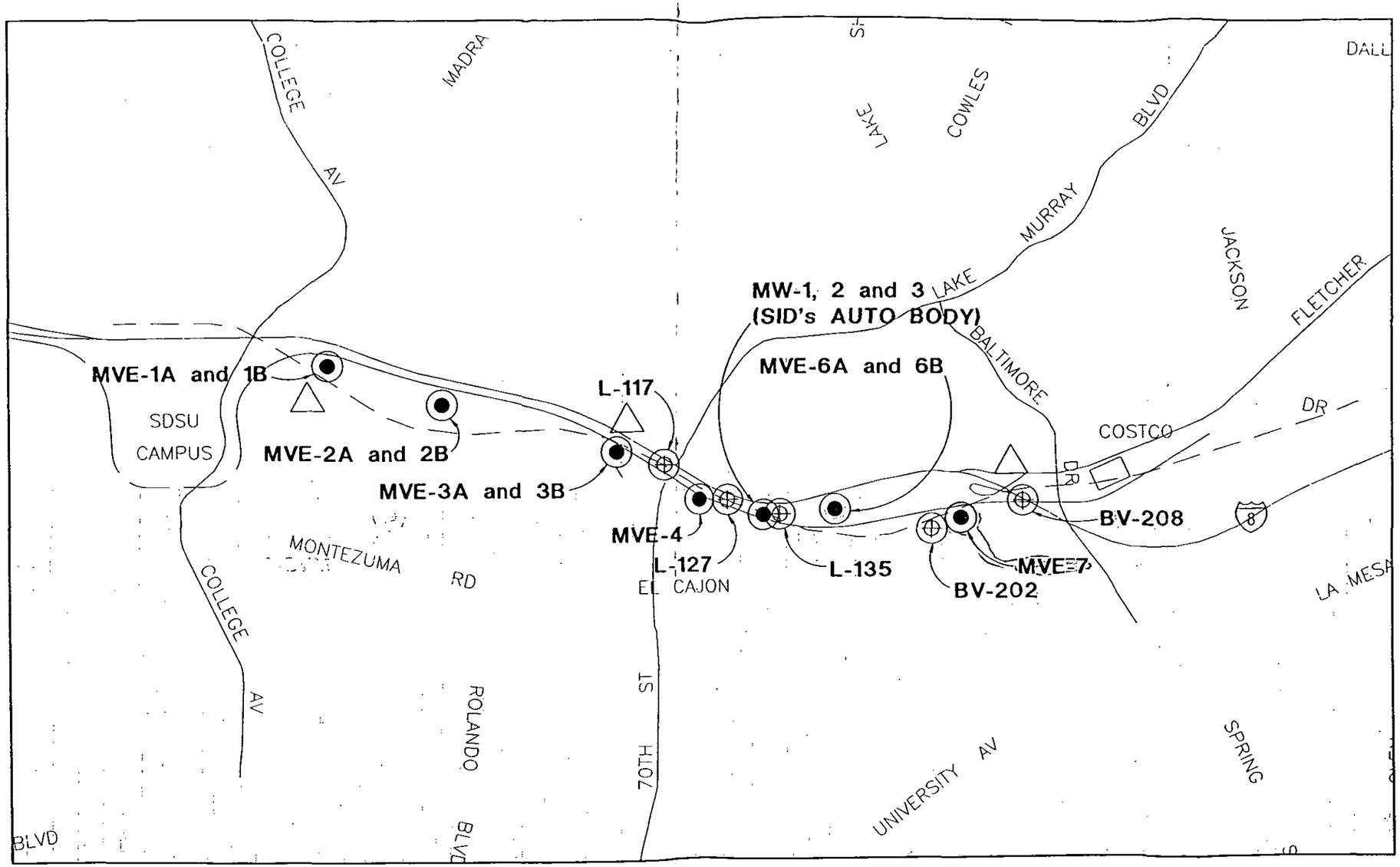
SCALE
1 : 166,666

FIGURE 1

DRAWING NO. —

SHEET NO. —

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80



LEGEND:

- PROPOSED GROUNDWATER PUMP TEST AND OBSERVATION WELL LOCATION
- EXISTING GROUNDWATER OBSERVATION WELL LOCATION
- SURFACE WATER SAMPLING LOCATIONS
- ALVARADO CREEK

LOCATION MAP

DEWATERING ASSESSMENT SAMPLING LOCATIONS

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9675 BUSINESSPARK AVENUE, SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

LOCATION MAP SHOWING PROPOSED AND EXISTING GROUNDWATER WELL LOCATIONS

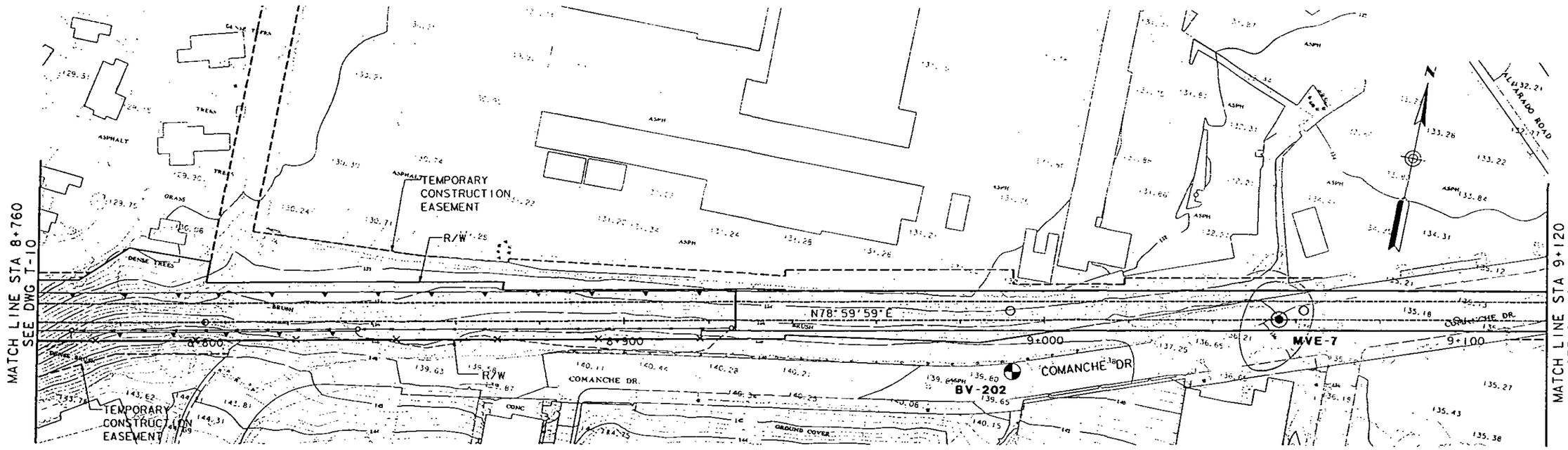
SCALE 1 : 21,000

FIGURE 2

DRAWING NO. —

SHEET NO. —

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80



LEGEND

MVE-7 — GROUNDWATER PUMP TEST WELL

BV-202 — EXISTING GROUNDWATER WELL (KLEINFELDER)

PROPOSED LIGHT RAIL TRANSIT CORRIDOR

DRAWING SOURCE: MISSION VALLEY DESIGNERS, LA MESA SEGMENT T-11, 12/00

EARTH TECH

A tyco INTERNATIONAL LTD. COMPANY

9675 BUSINESS PARK AVENUE SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

PROPOSED GROUNDWATER WELL LOCATION
FOR DEWATERING AREA 7

SCALE 1:1000

FIGURE 9

DRAWING NO. -

SHEET NO. -

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

EARTH TECH

Borehole/Well Constuction Log

Project Name: MTDB MVE LRT Dewatering		Project Number: 44102	Borehole Number: MVE-7
Borehole Location: Comanche Dr. and Saranac Pl.	*Northing:* 1861697.17	*Easting:* 6321033.02	Sheet 1 of 2
Drilling Agency: Tri County Drilling		Driller: Dennis Judkins	
Drilling Equipment: Canterra Drill Rig		Date Started: 7/5/01	Total Depth (feet): 50.0
Drilling Method: ODEX	Number of Samples: 0	Date Finished: 7/5/01	Depth to Bedrock (feet): NA
Drilling Fluid: none	Borehole Diameter (in): 8	Depth to Water (feet): *Drilling:* 15.00	*Static:* 23.05
Completion Information: 4" Sched. 40 0.02" slot PVC screen placed from 48 to 3 ft. Blank casing placed from 3 to 0 ft. #3 sand filter pack placed from 50 to 2 ft. Bentonite seal placed from 2 to 1 ft. Concrete seal placed from 1 to 0 ft.		Elevation (feet MSL): *Ground:* 449.80 *Top of Casing:* 449.80	
		Logged By: Greg Delson	Checked By: Adrianne Saboya

Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analyses: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
0											Asphaltic concrete		
										SM	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) silty SAND, some fine-grained gravel, some clay, well-graded sand grains, dry, angular, no hydrocarbon odor.		
5			50/3	0%			0.0/0.0			SM	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) silty SAND, some fine-grained gravel, some clay, well-graded sand grains, dry, angular, no hydrocarbon odor.		
10													
15			50/5	0%			0.0/0.0			GW	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) GRAVEL, well graded, some sand, some silt, moist, no hydrocarbon odor.		Slightly moist soil encountered at 15 feet below ground surface.
20													
25			50/1	0%			0.0/0.0			GW	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) GRAVEL, well graded, some sand, some silt, moist, no hydrocarbon odor.		
30													

EAFB_Well(SB)\Comanche Dr. and Saranac Pl.\MTDB MVE LRT Dewatering\44102

EARTH TECH

Borehole/Well Construction Log (Continuation Sheet)

Project Name: MTDB MVE LRT Dewatering	Project Number: 44102	Borehole Number: MVE-7
Borehole Location: Comanche Dr. and Saranac Pl.		Sheet 2 of 2

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
35			50/1	0%			0.0/0.0			GW	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) GRAVEL, well graded, some sand, some silt, moist, no hydrocarbon odor.		
40													
45													
50											Boring terminated at 50 feet below ground surface. Groundwater table encountered at 15 feet below ground surface during drilling.		

EAFB_Wells\SB\Comanche Dr. and Saranac Pl\MTDB MVE LRT Dewatering\44102

Del Mar Analytical

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7277 Hayvenhurst, Suite B-12, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

LABORATORY REPORT

Prepared For: Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131

Attention: Greg Delson
Project: 44102.02

Sampled: 07/26/01
Received: 07/26/01
Reported: 08/22/01

This laboratory report is confidential and is intended for the sole use of Del Mar Analytical and its client. This entire report was reviewed and approved for release.

CA ELAP Certificate #1197
AZ DHS License #AZ0428

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Del Mar Analytical

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9830 South 51st St., Suite B 120 Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									QD
DRO (C8-C24)	EPA 8015B MOD	IG3060		0.50	ND	0.9	07/30/01	08/01/01	
ORO (C25-C40)	EPA 8015B MOD	IG3060		0.50	ND	0.9	07/30/01	08/01/01	
EFH (C8 - C40)	EPA 8015B MOD	IG3060		0.50	ND	0.9	07/30/01	08/01/01	
Surrogate: n-Octacosane (45-140%)					*91.1 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Volatile Fuel Hydrocarbons	EPA 8015B	I1H0223		50	ND	1	08/02/01	08/02/01	QG
Surrogate: aaa-TFT (FID) (60-135%)					*99.2 %*				
Sample ID: IKG0960-02 (Trip Blank - Water)									
Volatile Fuel Hydrocarbons	EPA 8015B	I1H0121		50	ND	1	08/01/01	08/01/01	QG
Surrogate: aaa-TFT (FID) (60-135%)					*101 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Benzene	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
Bromobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Bromochloromethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Bromodichloromethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Bromoform	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Bromomethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
n-Butylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
sec-Butylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
tert-Butylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Carbon tetrachloride	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
Chlorobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Chloroethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Chloroform	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Chloromethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
2-Chlorotoluene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
4-Chlorotoluene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Dibromochloromethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIG2817		5.0	ND	1	07/28/01	07/29/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Dibromomethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,2-Dichlorobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,3-Dichlorobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,4-Dichlorobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Dichlorodifluoromethane	EPA 8260B	IIG2817		2.0	ND	1	07/28/01	07/29/01	
1,1-Dichloroethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,2-Dichloroethane	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
1,1-Dichloroethene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
cis-1,2-Dichloroethene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
trans-1,2-Dichloroethene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,2-Dichloropropane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,3-Dichloropropane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
2,2-Dichloropropane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,1-Dichloropropene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
cis-1,3-Dichloropropene	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
trans-1,3-Dichloropropene	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
Ethylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Hexachlorobutadiene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Isopropylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
p-Isopropyltoluene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Methylene chloride	EPA 8260B	IIG2817		5.0	ND	1	07/28/01	07/29/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Naphthalene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
n-Propylbenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Styrene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Tetrachloroethene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Toluene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,1,1-Trichloroethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,1,2-Trichloroethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Trichloroethene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Trichlorofluoromethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,2,3-Trichloropropane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Vinyl chloride	EPA 8260B	I1G2817		0.50	ND	1	07/28/01	07/29/01	
o-Xylene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
m,p-Xylenes	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Di-isopropyl Ether (DIPE)	EPA 8260B	I1G2817		5.0	ND	1	07/28/01	07/29/01	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	I1G2817		5.0	ND	1	07/28/01	07/29/01	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	I1G2817		5.0	ND	1	07/28/01	07/29/01	
tert-Butanol (TBA)	EPA 8260B	I1G2817		50	ND	1	07/28/01	07/29/01	
Surrogate: Dibromofluoromethane (80-120%)					*96.8 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*97.2 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-02 (Trip Blank - Water)									
Benzene	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
Bromobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Bromochloromethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Bromodichloromethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Bromoform	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Bromomethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
n-Butylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
sec-Butylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
tert-Butylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Carbon tetrachloride	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
Chlorobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Chloroethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Chloroform	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Chloromethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
2-Chlorotoluene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
4-Chlorotoluene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Dibromochloromethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIG3007		5.0	ND	1	07/30/01	07/30/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Dibromomethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,2-Dichlorobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,3-Dichlorobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,4-Dichlorobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Dichlorodifluoromethane	EPA 8260B	IIG3007		2.0	ND	1	07/30/01	07/30/01	
1,1-Dichloroethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,2-Dichloroethane	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
1,1-Dichloroethene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
cis-1,2-Dichloroethene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
trans-1,2-Dichloroethene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,2-Dichloropropane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,3-Dichloropropane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
2,2-Dichloropropane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,1-Dichloropropene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
cis-1,3-Dichloropropene	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
trans-1,3-Dichloropropene	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
Ethylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Hexachlorobutadiene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Isopropylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
p-Isopropyltoluene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Methylene chloride	EPA 8260B	IIG3007		5.0	ND	1	07/30/01	07/30/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-02 (Trip Blank - Water)									
Naphthalene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
n-Propylbenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Styrene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Tetrachloroethene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Toluene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,1,1-Trichloroethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,1,2-Trichloroethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Trichloroethene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Trichlorofluoromethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,2,3-Trichloropropane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Vinyl chloride	EPA 8260B	I1G3007		0.50	ND	1	07/30/01	07/30/01	
o-Xylene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
m,p-Xylenes	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Di-isopropyl Ether (DIPE)	EPA 8260B	I1G3007		5.0	ND	1	07/30/01	07/30/01	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	I1G3007		5.0	ND	1	07/30/01	07/30/01	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	I1G3007		5.0	ND	1	07/30/01	07/30/01	
tert-Butanol (TBA)	EPA 8260B	I1G3007		50	ND	1	07/30/01	07/30/01	
Surrogate: Dibromofluoromethane (80-120%)					*116 %*				
Surrogate: Toluene-d8 (80-120%)					*88.4 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*93.2 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL Limit ug/l	Reporting Limit ug/l	Sample Result ug/l	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IKG0960-01RE1 (MVE-7 - Water)									
Acenaphthene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Acenaphthylene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Aniline	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Anthracene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Azobenzene	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Benzidine	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
Benzoic acid	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
Benzo(a)anthracene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzo(b)fluoranthene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzo(k)fluoranthene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzo(g,h,i)perylene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzo(a)pyrene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzyl alcohol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Bis(2-chloroethoxy)methane	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Bis(2-chloroethyl)ether	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Bis(2-chloroisopropyl)ether	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Bis(2-ethylhexyl)phthalate	EPA 625	I1G3030		50	ND	0.9	07/27/01	08/02/01	
4-Bromophenyl phenyl ether	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Butyl benzyl phthalate	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
4-Chloroaniline	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2-Chloronaphthalene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4-Chloro-3-methylphenol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
2-Chlorophenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4-Chlorophenyl phenyl ether	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Chrysene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Dibenz(a,h)anthracene	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Dibenzofuran	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Di-n-butyl phthalate	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
1,3-Dichlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
1,4-Dichlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
1,2-Dichlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
3,3-Dichlorobenzidine	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
2,4-Dichlorophenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Diethyl phthalate	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2,4-Dimethylphenol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Dimethyl phthalate	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4,6-Dinitro-2-methylphenol	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
2,4-Dinitrophenol	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
2,4-Dinitrotoluene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2,6-Dinitrotoluene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Di-n-octyl phthalate	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01RE1 (MVE-7 - Water)									
Fluoranthene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Fluorene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Hexachlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Hexachlorobutadiene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Hexachlorocyclopentadiene	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
Hexachloroethane	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Indeno(1,2,3-cd)pyrene	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Isophorone	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2-Methylnaphthalene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2-Methylphenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4-Methylphenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Naphthalene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2-Nitroaniline	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
3-Nitroaniline	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
4-Nitroaniline	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
Nitrobenzene	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
2-Nitrophenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4-Nitrophenol	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
n-Nitrosodiphenylamine	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
n-Nitroso-di-n-propylamine	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Pentachlorophenol	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
Phenanthrene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Phenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Pyrene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
1,2,4-Trichlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2,4,5-Trichlorophenol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
2,4,6-Trichlorophenol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Surrogate: 2-Fluorophenol (30-110%)					*75.8 %*				
Surrogate: Phenol-d6 (40-110%)					*88.4 %*				
Surrogate: 2,4,6-Tribromophenol (55-140%)					*90.0 %*				
Surrogate: Nitrobenzene-d5 (40-110%)					*81.3 %*				
Surrogate: 2-Fluorobiphenyl (40-120%)					*77.5 %*				
Surrogate: Terphenyl-d14 (55-160%)					*93.1 %*				

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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Aroclor 1016	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1221	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1232	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1242	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1248	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1254	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1260	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Surrogate: Decachlorobiphenyl (30-120%)					*79.7 %*				

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Sampled: 07/26/01
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METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Arsenic	EPA 200.7	IIG2734		0.0050	ND	1	07/27/01	07/30/01	
Beryllium	EPA 200.7	IIG2734		0.0020	ND	1	07/27/01	07/30/01	
Cadmium	EPA 200.7	IIG2734		0.0050	ND	1	07/27/01	07/30/01	
Chromium	EPA 200.7	IIG2734		0.0050	ND	1	07/27/01	07/30/01	
Copper	EPA 200.7	IIG2734		0.010	ND	1	07/27/01	07/30/01	
Iron	EPA 200.7	IIG2734		0.040	**1.6**	1	07/27/01	07/30/01	
Lead	EPA 200.7	IIG2734		0.0050	**0.0050**	1	07/27/01	07/30/01	
Manganese	EPA 200.7	IIG2734		0.020	**0.53**	1	07/27/01	07/30/01	
Mercury	EPA 245.1	IIG2733		0.00020	ND	1	07/27/01	07/27/01	
Nickel	EPA 200.7	IIG2734		0.010	ND	1	07/27/01	07/30/01	
Silver	EPA 200.7	IIG2734		0.010	ND	1	07/27/01	07/30/01	
Sodium	EPA 200.7	IIG2734		0.50	**390**	1	07/27/01	07/31/01	
Thallium	EPA 200.7	IIG2734		0.0050	ND	1	07/27/01	07/30/01	
Zinc	EPA 200.7	IIG2734		0.020	**0.20**	1	07/27/01	07/30/01	

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Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Chromium VI	EPA 7196A	I1G2754		0.010	ND	1	07/27/01	07/27/01	
Total Cyanide	EPA 335.2	I1G3068		0.025	ND	1	07/30/01	07/30/01	
Dissolved Oxygen	EPA 360.1	I1G2766		1.0	**4.3**	1	07/27/01	07/27/01	
Dissolved Sulfide	SM4500-S-B,C,	I1G3022		0.10	ND	1	07/27/01	07/30/01	
Fluoride	EPA 300.0	I1H0323		1.0	ND	2	08/03/01	08/03/01	RL-1
Hardness (as CaCO3)	EPA 130.2	I1G3151		4.0	**400**	1	07/31/01	07/31/01	
Sulfide as H2S	SM4500-S, H	I1G3038		0.10	ND	1	07/30/01	07/30/01	
Nitrate-N	EPA 300.0	I1G2709		0.55	**2.4**	5	07/27/01	07/27/01	
Nitrite-N	EPA 300.0	I1G2709		0.75	ND	5	07/27/01	07/27/01	RL-1
Phosphorus	EPA 365.3	I1H0149		0.050	**0.095**	1	08/01/01	08/01/01	
Residual Chlorine	EPA 330.5	I1G2746		0.10	ND	1	07/27/01	07/27/01	
Surfactants (MBAS)	SM5540-C	I1G2775		0.10	ND	1	07/27/01	07/27/01	
Total Nitrogen	Calculation	I1H0622		1.0	**2.4**	1	08/06/01	08/06/01	
Total Suspended Solids	EPA 160.2	I1G2764		10	**34**	1	07/27/01	07/27/01	
			ml/l/hr	ml/l/hr	ml/l/hr				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Total Settleable Solids	EPA 160.5	I1G2771		0.10	ND	1	07/27/01	07/27/01	
			NTU	NTU	NTU				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Turbidity	EPA 180.1	I1G2770		1.0	**23**	1	07/27/01	07/27/01	

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Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			pH Units	pH Units	pH Units				
Sample ID: IKG0960-01 (MVE-7 - Water)									
pH	EPA 150.1	IIG2767		NA	7.31	1	07/27/01	07/27/01	
			umhos/cm	umhos/cm	umhos/cm				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Specific Conductance	EPA 120.1	IIG2757		1.0	2400	1	07/27/01	07/27/01	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Total Kjeldahl Nitrogen	SM4500-N-O,C	C1G3103		0.50	ND	1	07/31/01	07/31/01	

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Sampled: 07/26/01
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Phenols by EPA Method 8041

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
4-Chloro-3-methylphenol	EPA 8041	1G31006	0.65	2.0	ND	1	07/31/01	08/02/01	
2-Chlorophenol	EPA 8041	1G31006	1.1	2.0	ND	1	07/31/01	08/02/01	
2,4-Dichlorophenol	EPA 8041	1G31006	0.34	2.0	ND	1	07/31/01	08/02/01	
2,4-Dimethylphenol	EPA 8041	1G31006	1.4	2.0	ND	1	07/31/01	08/02/01	
2,4-Dinitrophenol	EPA 8041	1G31006	18	20	ND	1	07/31/01	08/02/01	
2-Methyl-4,6-dinitrophenol	EPA 8041	1G31006	16	20	ND	1	07/31/01	08/02/01	
2-Nitrophenol	EPA 8041	1G31006	0.39	2.0	ND	1	07/31/01	08/02/01	
4-Nitrophenol	EPA 8041	1G31006	4.1	20	ND	1	07/31/01	08/02/01	
Pentachlorophenol	EPA 8041	1G31006	14	20	ND	1	07/31/01	08/02/01	
Phenol	EPA 8041	1G31006	0.42	2.0	ND	1	07/31/01	08/02/01	
2,4,6-Trichlorophenol	EPA 8041	1G31006	0.48	2.0	ND	1	07/31/01	08/02/01	
Surrogate: 2,4,6-Tribromophenol (19-122%)					*94.4 %*				

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Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3060 Extracted: 07/30/01											
Blank Analyzed: 08/01/01 (I1G3060-BLK1)											QD
DRO (C8-C24)	ND	0.50		mg/l							
ORO (C25-C40)	ND	0.50		mg/l							
EFH (C8 - C40)	ND	0.50		mg/l							
Surrogate: n-Octacosane	*0.179*			*mg/l*	*0.200*		*89.5*	*45-140*			
LCS Analyzed: 08/01/01 (I1G3060-BS1)											QD
EFH (C8 - C40)	0.856	0.50		mg/l	1.00		85.6	55-115			
Surrogate: n-Octacosane	*0.179*			*mg/l*	*0.200*		*89.5*	*45-140*			
LCS Dup Analyzed: 08/01/01 (I1G3060-BSD1)											QD
EFH (C8 - C40)	0.821	0.50		mg/l	1.00		82.1	55-115	4.17	35	*M-NR1*
Surrogate: n-Octacosane	*0.175*			*mg/l*	*0.200*		*87.5*	*45-140*			

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1H0121 Extracted: 08/01/01											
Blank Analyzed: 08/01/01 (I1H0121-BLK1)											
Volatile Fuel Hydrocarbons	ND	50		ug/l							QG
Surrogate: aaa-TFT (FID)	*10.1*			*ug/l*	*10.0*		*101*	*60-135*			
LCS Analyzed: 08/01/01 (I1H0121-BS1)											
Volatile Fuel Hydrocarbons	238	50		ug/l	220		108	70-125			QG
Surrogate: aaa-TFT (FID)	*9.74*			*ug/l*	*10.0*		*97.4*	*60-135*			
Matrix Spike Analyzed: 08/01/01 (I1H0121-MS1)					**Source: IKG1025-01**						
Volatile Fuel Hydrocarbons	233	50		ug/l	220	ND	100	65-130			QG
Surrogate: aaa-TFT (FID)	*10.9*			*ug/l*	*10.0*		*109*	*60-135*			
Matrix Spike Analyzed: 08/01/01 (I1H0121-MS2)					**Source: IKG1027-04**						
Volatile Fuel Hydrocarbons	238	50		ug/l	220	ND	103	65-130			QG
Surrogate: aaa-TFT (FID)	*10.4*			*ug/l*	*10.0*		*104*	*60-135*			
Matrix Spike Dup Analyzed: 08/01/01 (I1H0121-MSD1)					**Source: IKG1025-01**						
Volatile Fuel Hydrocarbons	222	50		ug/l	220	ND	95.5	65-130	4.84	20	QG
Surrogate: aaa-TFT (FID)	*9.83*			*ug/l*	*10.0*		*98.3*	*60-135*			
Matrix Spike Dup Analyzed: 08/01/01 (I1H0121-MSD2)					**Source: IKG1027-04**						
Volatile Fuel Hydrocarbons	229	50		ug/l	220	ND	99.1	65-130	3.85	20	QG
Surrogate: aaa-TFT (FID)	*9.72*			*ug/l*	*10.0*		*97.2*	*60-135*			
Batch: I1H0223 Extracted: 08/02/01											
Blank Analyzed: 08/02/01 (I1H0223-BLK1)											
Volatile Fuel Hydrocarbons	ND	50		ug/l							QG
Surrogate: aaa-TFT (FID)	*9.47*			*ug/l*	*10.0*		*94.7*	*60-135*			

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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1H0223 Extracted: 08/02/01											
LCS Analyzed: 08/02/01 (I1H0223-BS1)											
Volatile Fuel Hydrocarbons	210	50		ug/l	220		95.5	70-125			QG
Surrogate: aaa-TFT (FID)	*10.1*			*ug/l*	*10.0*		*101*	*60-135*			
Matrix Spike Analyzed: 08/02/01 (I1H0223-MS1)						**Source: IKG1086-02**					
Volatile Fuel Hydrocarbons	217	50		ug/l	220	ND	94.3	65-130			QG
Surrogate: aaa-TFT (FID)	*9.89*			*ug/l*	*10.0*		*98.9*	*60-135*			
Matrix Spike Dup Analyzed: 08/02/01 (I1H0223-MSD1)						**Source: IKG1086-02**					
Volatile Fuel Hydrocarbons	225	50		ug/l	220	ND	97.9	65-130	3.62	20	QG
Surrogate: aaa-TFT (FID)	*10.2*			*ug/l*	*10.0*		*102*	*60-135*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
Blank Analyzed: 07/28/01 (I1G2817-BLK1)											
Benzene	ND	0.50		ug/l							
Bromobenzene	ND	1.0		ug/l							
Bromochloromethane	ND	1.0		ug/l							
Bromodichloromethane	ND	1.0		ug/l							
Bromoform	ND	1.0		ug/l							
Bromomethane	ND	1.0		ug/l							
n-Butylbenzene	ND	1.0		ug/l							
sec-Butylbenzene	ND	1.0		ug/l							
tert-Butylbenzene	ND	1.0		ug/l							
Carbon tetrachloride	ND	0.50		ug/l							
Chlorobenzene	ND	1.0		ug/l							
Chloroethane	ND	1.0		ug/l							
Chloroform	ND	1.0		ug/l							
Chloromethane	ND	1.0		ug/l							
2-Chlorotoluene	ND	1.0		ug/l							
4-Chlorotoluene	ND	1.0		ug/l							
Dibromochloromethane	ND	1.0		ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0		ug/l							
1,2-Dibromoethane (EDB)	ND	1.0		ug/l							
Dibromomethane	ND	1.0		ug/l							
1,2-Dichlorobenzene	ND	1.0		ug/l							
1,3-Dichlorobenzene	ND	1.0		ug/l							
1,4-Dichlorobenzene	ND	1.0		ug/l							
Dichlorodifluoromethane	ND	2.0		ug/l							
1,1-Dichloroethane	ND	1.0		ug/l							
1,2-Dichloroethane	ND	0.50		ug/l							
1,1-Dichloroethene	ND	1.0		ug/l							
cis-1,2-Dichloroethene	ND	1.0		ug/l							
trans-1,2-Dichloroethene	ND	1.0		ug/l							
1,2-Dichloropropane	ND	1.0		ug/l							
1,3-Dichloropropane	ND	1.0		ug/l							
2,2-Dichloropropane	ND	1.0		ug/l							
1,1-Dichloropropene	ND	1.0		ug/l							
cis-1,3-Dichloropropene	ND	0.50		ug/l							
trans-1,3-Dichloropropene	ND	0.50		ug/l							
Ethylbenzene	ND	1.0		ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
Blank Analyzed: 07/28/01 (I1G2817-BLK1)											
Hexachlorobutadiene	ND	1.0		ug/l							
Isopropylbenzene	ND	1.0		ug/l							
p-Isopropyltoluene	ND	1.0		ug/l							
Methylene chloride	ND	5.0		ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0		ug/l							
Naphthalene	ND	1.0		ug/l							
n-Propylbenzene	ND	1.0		ug/l							
Styrene	ND	1.0		ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0		ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0		ug/l							
Tetrachloroethene	ND	1.0		ug/l							
Toluene	ND	1.0		ug/l							
1,2,3-Trichlorobenzene	ND	1.0		ug/l							
1,2,4-Trichlorobenzene	ND	1.0		ug/l							
1,1,1-Trichloroethane	ND	1.0		ug/l							
1,1,2-Trichloroethane	ND	1.0		ug/l							
Trichloroethene	ND	1.0		ug/l							
Trichlorofluoromethane	ND	1.0		ug/l							
1,2,3-Trichloropropane	ND	1.0		ug/l							
1,2,4-Trimethylbenzene	ND	1.0		ug/l							
1,3,5-Trimethylbenzene	ND	1.0		ug/l							
Vinyl chloride	ND	0.50		ug/l							
o-Xylene	ND	1.0		ug/l							
m,p-Xylenes	ND	1.0		ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0		ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0		ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0		ug/l							
tert-Butanol (TBA)	ND	50		ug/l							
Surrogate: Dibromofluoromethane	*20.9*			*ug/l*	*25.0*		*83.6*	*80-120*			
Surrogate: Toluene-d8	*24.8*			*ug/l*	*25.0*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*			*ug/l*	*25.0*		*94.4*	*80-120*			

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
LCS Analyzed: 07/28/01 (I1G2817-BS1)											
Benzene	23.4	0.50		ug/l	25.0		93.6	75-130			
Bromobenzene	24.8	1.0		ug/l	25.0		99.2	75-130			
Bromochloromethane	22.3	1.0		ug/l	25.0		89.2	70-140			
Bromodichloromethane	21.6	1.0		ug/l	25.0		86.4	75-135			
Bromoform	27.3	1.0		ug/l	25.0		109	55-130			
Bromomethane	18.2	1.0		ug/l	25.0		72.8	65-140			
n-Butylbenzene	25.2	1.0		ug/l	25.0		101	75-130			
sec-Butylbenzene	27.5	1.0		ug/l	25.0		110	80-135			
tert-Butylbenzene	25.9	1.0		ug/l	25.0		104	75-130			
Carbon tetrachloride	26.5	0.50		ug/l	25.0		106	70-160			
Chlorobenzene	24.5	1.0		ug/l	25.0		98.0	75-130			
Chloroethane	21.4	1.0		ug/l	25.0		85.6	65-135			
Chloroform	20.5	1.0		ug/l	25.0		82.0	75-130			
Chloromethane	16.4	1.0		ug/l	25.0		65.6	45-130			
2-Chlorotoluene	23.9	1.0		ug/l	25.0		95.6	75-130			
4-Chlorotoluene	23.5	1.0		ug/l	25.0		94.0	80-130			
Dibromochloromethane	23.4	1.0		ug/l	25.0		93.6	70-140			
1,2-Dibromo-3-chloropropane	24.3	5.0		ug/l	25.0		97.2	50-145			
1,2-Dibromoethane (EDB)	23.7	1.0		ug/l	25.0		94.8	60-145			
Dibromomethane	22.9	1.0		ug/l	25.0		91.6	65-135			
1,2-Dichlorobenzene	24.4	1.0		ug/l	25.0		97.6	75-130			
1,3-Dichlorobenzene	24.2	1.0		ug/l	25.0		96.8	75-130			
1,4-Dichlorobenzene	24.2	1.0		ug/l	25.0		96.8	80-125			
Dichlorodifluoromethane	17.8	2.0		ug/l	25.0		71.2	10-140			
1,1-Dichloroethane	21.0	1.0		ug/l	25.0		84.0	75-135			
1,2-Dichloroethane	20.9	0.50		ug/l	25.0		83.6	65-140			
1,1-Dichloroethene	23.7	1.0		ug/l	25.0		94.8	70-145			
cis-1,2-Dichloroethene	20.1	1.0		ug/l	25.0		80.4	70-130			
trans-1,2-Dichloroethene	23.2	1.0		ug/l	25.0		92.8	75-140			
1,2-Dichloropropane	21.7	1.0		ug/l	25.0		86.8	75-130			
1,3-Dichloropropane	22.2	1.0		ug/l	25.0		88.8	65-140			
2,2-Dichloropropane	22.2	1.0		ug/l	25.0		88.8	75-150			
1,1-Dichloropropene	24.1	1.0		ug/l	25.0		96.4	75-140			
cis-1,3-Dichloropropene	21.8	0.50		ug/l	25.0		87.2	65-135			
trans-1,3-Dichloropropene	21.9	0.50		ug/l	25.0		87.6	65-140			
Ethylbenzene	25.3	1.0		ug/l	25.0		101	75-135			

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Report Number: IKG0960

Sampled: 07/26/01
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
LCS Analyzed: 07/28/01 (I1G2817-BS1)											
Hexachlorobutadiene	26.6	1.0		ug/l	25.0		106	75-150			
Isopropylbenzene	26.2	1.0		ug/l	25.0		105	80-135			
p-Isopropyltoluene	25.5	1.0		ug/l	25.0		102	75-130			
Methylene chloride	18.2	5.0		ug/l	25.0		72.8	70-125			
Methyl-tert-butyl Ether (MTBE)	20.0	1.0		ug/l	25.0		80.0	65-135			
Naphthalene	26.4	1.0		ug/l	25.0		106	50-145			
n-Propylbenzene	26.0	1.0		ug/l	25.0		104	80-135			
Styrene	24.9	1.0		ug/l	25.0		99.6	75-140			
1,1,1,2-Tetrachloroethane	24.6	1.0		ug/l	25.0		98.4	75-135			
1,1,2,2-Tetrachloroethane	22.7	1.0		ug/l	25.0		90.8	70-135			
Tetrachloroethene	28.4	1.0		ug/l	25.0		114	75-130			
Toluene	24.3	1.0		ug/l	25.0		97.2	75-130			
1,2,3-Trichlorobenzene	26.1	1.0		ug/l	25.0		104	50-140			
1,2,4-Trichlorobenzene	26.3	1.0		ug/l	25.0		105	70-130			
1,1,1-Trichloroethane	23.5	1.0		ug/l	25.0		94.0	75-140			
1,1,2-Trichloroethane	21.8	1.0		ug/l	25.0		87.2	65-130			
Trichloroethene	26.4	1.0		ug/l	25.0		106	75-130			
Trichlorofluoromethane	22.9	1.0		ug/l	25.0		91.6	55-145			
1,2,3-Trichloropropane	23.8	1.0		ug/l	25.0		95.2	60-140			
1,2,4-Trimethylbenzene	24.6	1.0		ug/l	25.0		98.4	80-130			
1,3,5-Trimethylbenzene	25.1	1.0		ug/l	25.0		100	80-135			
Vinyl chloride	18.8	0.50		ug/l	25.0		75.2	45-140			
o-Xylene	24.4	1.0		ug/l	25.0		97.6	75-130			
m,p-Xylenes	50.8	1.0		ug/l	50.0		102	75-135			
Di-isopropyl Ether (DIPE)	19.0	5.0		ug/l	25.0		76.0	65-135			
Ethyl tert-Butyl Ether (ETBE)	19.3	5.0		ug/l	25.0		77.2	65-135			
tert-Amyl Methyl Ether (TAME)	19.1	5.0		ug/l	25.0		76.4	60-135			
tert-Butanol (TBA)	121	50		ug/l	125		96.8	55-160			
Surrogate: Dibromofluoromethane	*21.0*			*ug/l*	*25.0*		*84.0*	*80-120*			
Surrogate: Toluene-d8	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.5*			*ug/l*	*25.0*		*94.0*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
Matrix Spike Analyzed: 07/28/01 (I1G2817-MS1)						Source: IKG0939-16					
Benzene	21.6	0.50		ug/l	25.0	ND	85.9	70-140			
Bromodichloromethane	21.1	1.0		ug/l	25.0	ND	84.4	75-145			
Bromoform	25.7	1.0		ug/l	25.0	ND	103	70-150			
Chlorobenzene	22.7	1.0		ug/l	25.0	ND	90.8	75-130			
Chloroform	19.2	1.0		ug/l	25.0	ND	76.8	75-150			
Dibromochloromethane	22.2	1.0		ug/l	25.0	ND	88.8	70-145			
1,4-Dichlorobenzene	23.0	1.0		ug/l	25.0	ND	92.0	80-145			
1,1-Dichloroethane	19.2	1.0		ug/l	25.0	ND	76.8	75-160			
1,2-Dichloroethane	21.7	0.50		ug/l	25.0	1.5	80.8	65-160			
1,1-Dichloroethene	21.1	1.0		ug/l	25.0	ND	84.4	65-165			
Ethylbenzene	23.1	1.0		ug/l	25.0	ND	92.4	80-135			
Methyl-tert-butyl Ether (MTBE)	19.9	1.0		ug/l	25.0	ND	78.0	65-150			
Naphthalene	23.7	1.0		ug/l	25.0	ND	91.8	50-155			
Tetrachloroethene	24.7	1.0		ug/l	25.0	ND	98.8	75-155			
Toluene	22.7	1.0		ug/l	25.0	ND	90.0	75-135			
Trichloroethene	23.3	1.0		ug/l	25.0	ND	93.2	75-130			
Vinyl chloride	17.7	0.50		ug/l	25.0	ND	70.8	40-190			
o-Xylene	22.7	1.0		ug/l	25.0	ND	90.8	75-150			
m,p-Xylenes	46.0	1.0		ug/l	50.0	ND	92.0	70-140			
Di-isopropyl Ether (DIPE)	18.7	5.0		ug/l	25.0	ND	74.8	65-135			
Ethyl tert-Butyl Ether (ETBE)	19.0	5.0		ug/l	25.0	ND	76.0	65-135			
tert-Amyl Methyl Ether (TAME)	19.1	5.0		ug/l	25.0	ND	76.4	60-135			
tert-Butanol (TBA)	112	50		ug/l	125	ND	89.6	55-160			
Surrogate: Dibromofluoromethane	*21.2*			*ug/l*	*25.0*		*84.8*	*80-120*			
Surrogate: Toluene-d8	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*			*ug/l*	*25.0*		*96.0*	*80-120*			
Matrix Spike Dup Analyzed: 07/28/01 (I1G2817-MSD1)						Source: IKG0939-16					
Benzene	21.5	0.50		ug/l	25.0	ND	85.5	70-140	0.464	20	
Bromodichloromethane	20.9	1.0		ug/l	25.0	ND	83.6	75-145	0.952	20	
Bromoform	25.7	1.0		ug/l	25.0	ND	103	70-150	0.00	20	
Chlorobenzene	22.7	1.0		ug/l	25.0	ND	90.8	75-130	0.00	20	
Chloroform	19.2	1.0		ug/l	25.0	ND	76.8	75-150	0.00	20	
Dibromochloromethane	22.1	1.0		ug/l	25.0	ND	88.4	70-145	0.451	20	
1,4-Dichlorobenzene	23.0	1.0		ug/l	25.0	ND	92.0	80-145	0.00	20	
1,1-Dichloroethane	19.2	1.0		ug/l	25.0	ND	76.8	75-160	0.00	20	

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
Matrix Spike Dup Analyzed: 07/28/01 (I1G2817-MSD1)						Source: IKG0939-16					
1,2-Dichloroethane	21.7	0.50		ug/l	25.0	1.5	80.8	65-160	0.00	20	
1,1-Dichloroethene	21.0	1.0		ug/l	25.0	ND	84.0	65-165	0.475	20	
Ethylbenzene	22.8	1.0		ug/l	25.0	ND	91.2	80-135	1.31	20	
Methyl-tert-butyl Ether (MTBE)	20.3	1.0		ug/l	25.0	ND	79.6	65-150	1.99	20	
Naphthalene	24.5	1.0		ug/l	25.0	ND	95.0	50-155	3.32	20	
Tetrachloroethene	24.5	1.0		ug/l	25.0	ND	98.0	75-155	0.813	20	
Toluene	22.8	1.0		ug/l	25.0	ND	90.4	75-135	0.440	20	
Trichloroethene	23.1	1.0		ug/l	25.0	ND	92.4	75-130	0.862	20	
Vinyl chloride	17.4	0.50		ug/l	25.0	ND	69.6	40-190	1.71	25	
o-Xylene	22.4	1.0		ug/l	25.0	ND	89.6	75-150	1.33	20	
m,p-Xylenes	45.6	1.0		ug/l	50.0	ND	91.2	70-140	0.873	20	
Di-isopropyl Ether (DIPE)	18.9	5.0		ug/l	25.0	ND	75.6	65-135	1.06	20	
Ethyl tert-Butyl Ether (ETBE)	19.3	5.0		ug/l	25.0	ND	77.2	65-135	1.57	20	
tert-Amyl Methyl Ether (TAME)	19.3	5.0		ug/l	25.0	ND	77.2	60-135	1.04	20	
tert-Butanol (TBA)	115	50		ug/l	125	ND	92.0	55-160	2.64	40	
Surrogate: Dibromofluoromethane	*21.2*			*ug/l*	*25.0*		*84.8*	*80-120*			
Surrogate: Toluene-d8	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*			*ug/l*	*25.0*		*95.2*	*80-120*			
Batch: I1G3007 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3007-BLK1)											
Benzene	ND	0.50		ug/l							
Bromobenzene	ND	1.0		ug/l							
Bromochloromethane	ND	1.0		ug/l							
Bromodichloromethane	ND	1.0		ug/l							
Bromoform	ND	1.0		ug/l							
Bromomethane	ND	1.0		ug/l							
n-Butylbenzene	ND	1.0		ug/l							
sec-Butylbenzene	ND	1.0		ug/l							
tert-Butylbenzene	ND	1.0		ug/l							
Carbon tetrachloride	ND	0.50		ug/l							
Chlorobenzene	ND	1.0		ug/l							
Chloroethane	ND	1.0		ug/l							
Chloroform	ND	1.0		ug/l							
Chloromethane	ND	1.0		ug/l							

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3007-BLK1)											
2-Chlorotoluene	ND	1.0		ug/l							
4-Chlorotoluene	ND	1.0		ug/l							
Dibromochloromethane	ND	1.0		ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0		ug/l							
1,2-Dibromoethane (EDB)	ND	1.0		ug/l							
Dibromomethane	ND	1.0		ug/l							
1,2-Dichlorobenzene	ND	1.0		ug/l							
1,3-Dichlorobenzene	ND	1.0		ug/l							
1,4-Dichlorobenzene	ND	1.0		ug/l							
Dichlorodifluoromethane	ND	2.0		ug/l							
1,1-Dichloroethane	ND	1.0		ug/l							
1,2-Dichloroethane	ND	0.50		ug/l							
1,1-Dichloroethene	ND	1.0		ug/l							
cis-1,2-Dichloroethene	ND	1.0		ug/l							
trans-1,2-Dichloroethene	ND	1.0		ug/l							
1,2-Dichloropropane	ND	1.0		ug/l							
1,3-Dichloropropane	ND	1.0		ug/l							
2,2-Dichloropropane	ND	1.0		ug/l							
1,1-Dichloropropene	ND	1.0		ug/l							
cis-1,3-Dichloropropene	ND	0.50		ug/l							
trans-1,3-Dichloropropene	ND	0.50		ug/l							
Ethylbenzene	ND	1.0		ug/l							
Hexachlorobutadiene	ND	1.0		ug/l							
Isopropylbenzene	ND	1.0		ug/l							
p-Isopropyltoluene	ND	1.0		ug/l							
Methylene chloride	ND	5.0		ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0		ug/l							
Naphthalene	ND	1.0		ug/l							
n-Propylbenzene	ND	1.0		ug/l							
Styrene	ND	1.0		ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0		ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0		ug/l							
Tetrachloroethene	ND	1.0		ug/l							
Toluene	ND	1.0		ug/l							
1,2,3-Trichlorobenzene	ND	1.0		ug/l							
1,2,4-Trichlorobenzene	ND	1.0		ug/l							

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Sampled: 07/26/01
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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3007-BLK1)											
1,1,1-Trichloroethane	ND	1.0		ug/l							
1,1,2-Trichloroethane	ND	1.0		ug/l							
Trichloroethene	ND	1.0		ug/l							
Trichlorofluoromethane	ND	1.0		ug/l							
1,2,3-Trichloropropane	ND	1.0		ug/l							
1,2,4-Trimethylbenzene	ND	1.0		ug/l							
1,3,5-Trimethylbenzene	ND	1.0		ug/l							
Vinyl chloride	ND	0.50		ug/l							
o-Xylene	ND	1.0		ug/l							
m,p-Xylenes	ND	1.0		ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0		ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0		ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0		ug/l							
tert-Butanol (TBA)	ND	50		ug/l							
Surrogate: Dibromofluoromethane	*28.6*			*ug/l*	*25.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*23.9*			*ug/l*	*25.0*		*95.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.0*			*ug/l*	*25.0*		*88.0*	*80-120*			
LCS Analyzed: 07/30/01 (I1G3007-BS1)											
Benzene	23.9	0.50		ug/l	25.0		95.6	75-130			
Bromobenzene	24.8	1.0		ug/l	25.0		99.2	75-130			
Bromochloromethane	28.3	1.0		ug/l	25.0		113	70-140			
Bromodichloromethane	25.3	1.0		ug/l	25.0		101	75-135			
Bromoform	28.6	1.0		ug/l	25.0		114	55-130			
Bromomethane	20.9	1.0		ug/l	25.0		83.6	65-140			
n-Butylbenzene	27.9	1.0		ug/l	25.0		112	75-130			
sec-Butylbenzene	29.2	1.0		ug/l	25.0		117	80-135			
tert-Butylbenzene	26.9	1.0		ug/l	25.0		108	75-130			
Carbon tetrachloride	29.9	0.50		ug/l	25.0		120	70-160			
Chlorobenzene	25.2	1.0		ug/l	25.0		101	75-130			
Chloroethane	23.4	1.0		ug/l	25.0		93.6	65-135			
Chloroform	27.7	1.0		ug/l	25.0		111	75-130			
Chloromethane	18.1	1.0		ug/l	25.0		72.4	45-130			
2-Chlorotoluene	25.5	1.0		ug/l	25.0		102	75-130			
4-Chlorotoluene	25.1	1.0		ug/l	25.0		100	80-130			
Dibromochloromethane	25.4	1.0		ug/l	25.0		102	70-140			

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
LCS Analyzed: 07/30/01 (I1G3007-BS1)											
1,2-Dibromo-3-chloropropane	34.7	5.0		ug/l	25.0		139	50-145			
1,2-Dibromoethane (EDB)	26.7	1.0		ug/l	25.0		107	60-145			
Dibromomethane	27.6	1.0		ug/l	25.0		110	65-135			
1,2-Dichlorobenzene	25.7	1.0		ug/l	25.0		103	75-130			
1,3-Dichlorobenzene	26.3	1.0		ug/l	25.0		105	75-130			
1,4-Dichlorobenzene	25.4	1.0		ug/l	25.0		102	80-125			
Dichlorodifluoromethane	15.2	2.0		ug/l	25.0		60.8	10-140			
1,1-Dichloroethane	30.2	1.0		ug/l	25.0		121	75-135			
1,2-Dichloroethane	27.9	0.50		ug/l	25.0		112	65-140			
1,1-Dichloroethene	27.9	1.0		ug/l	25.0		112	70-145			
cis-1,2-Dichloroethene	24.4	1.0		ug/l	25.0		97.6	70-130			
trans-1,2-Dichloroethene	28.1	1.0		ug/l	25.0		112	75-140			
1,2-Dichloropropane	25.9	1.0		ug/l	25.0		104	75-130			
1,3-Dichloropropane	26.1	1.0		ug/l	25.0		104	65-140			
2,2-Dichloropropane	30.8	1.0		ug/l	25.0		123	75-150			
1,1-Dichloropropene	28.3	1.0		ug/l	25.0		113	75-140			
cis-1,3-Dichloropropene	25.8	0.50		ug/l	25.0		103	65-135			
trans-1,3-Dichloropropene	26.8	0.50		ug/l	25.0		107	65-140			
Ethylbenzene	23.9	1.0		ug/l	25.0		95.6	75-135			
Hexachlorobutadiene	27.6	1.0		ug/l	25.0		110	75-150			
Isopropylbenzene	26.0	1.0		ug/l	25.0		104	80-135			
p-Isopropyltoluene	27.6	1.0		ug/l	25.0		110	75-130			
Methylene chloride	23.9	5.0		ug/l	25.0		95.6	70-125			
Methyl-tert-butyl Ether (MTBE)	28.7	1.0		ug/l	25.0		115	65-135			
Naphthalene	32.0	1.0		ug/l	25.0		128	50-145			
n-Propylbenzene	26.7	1.0		ug/l	25.0		107	80-135			
Styrene	25.0	1.0		ug/l	25.0		100	75-140			
1,1,1,2-Tetrachloroethane	25.8	1.0		ug/l	25.0		103	75-135			
1,1,2,2-Tetrachloroethane	29.9	1.0		ug/l	25.0		120	70-135			
Tetrachloroethene	23.9	1.0		ug/l	25.0		95.6	75-130			
Toluene	24.7	1.0		ug/l	25.0		98.8	75-130			
1,2,3-Trichlorobenzene	30.7	1.0		ug/l	25.0		123	50-140			
1,2,4-Trichlorobenzene	31.1	1.0		ug/l	25.0		124	70-130			
1,1,1-Trichloroethane	28.4	1.0		ug/l	25.0		114	75-140			
1,1,2-Trichloroethane	26.0	1.0		ug/l	25.0		104	65-130			
Trichloroethene	24.2	1.0		ug/l	25.0		96.8	75-130			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
LCS Analyzed: 07/30/01 (I1G3007-BS1)											
Trichlorofluoromethane	28.4	1.0		ug/l	25.0		114	55-145			
1,2,3-Trichloropropane	30.5	1.0		ug/l	25.0		122	60-140			
1,2,4-Trimethylbenzene	25.4	1.0		ug/l	25.0		102	80-130			
1,3,5-Trimethylbenzene	27.7	1.0		ug/l	25.0		111	80-135			
Vinyl chloride	20.6	0.50		ug/l	25.0		82.4	45-140			
o-Xylene	24.6	1.0		ug/l	25.0		98.4	75-130			
m,p-Xylenes	50.1	1.0		ug/l	50.0		100	75-135			
Di-isopropyl Ether (DIPE)	26.4	5.0		ug/l	25.0		106	65-135			
Ethyl tert-Butyl Ether (ETBE)	26.9	5.0		ug/l	25.0		108	65-135			
tert-Amyl Methyl Ether (TAME)	25.6	5.0		ug/l	25.0		102	60-135			
tert-Butanol (TBA)	115	50		ug/l	125		92.0	55-160			
Surrogate: Dibromofluoromethane	*27.7*			*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*25.1*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*			*ug/l*	*25.0*		*95.2*	*80-120*			
Matrix Spike Analyzed: 07/30/01 (I1G3007-MS1)						**Source: IKG1019-03**					
Benzene	27.1	0.50		ug/l	25.0	ND	108	70-140			
Bromodichloromethane	27.3	1.0		ug/l	25.0	ND	109	75-145			
Bromoform	28.1	1.0		ug/l	25.0	ND	112	70-150			
Chlorobenzene	26.9	1.0		ug/l	25.0	ND	108	75-130			
Chloroform	32.2	1.0		ug/l	25.0	ND	129	75-150			
Dibromochloromethane	26.1	1.0		ug/l	25.0	ND	104	70-145			
1,4-Dichlorobenzene	27.0	1.0		ug/l	25.0	ND	108	80-145			
1,1-Dichloroethane	34.2	1.0		ug/l	25.0	ND	137	75-160			
1,2-Dichloroethane	30.8	0.50		ug/l	25.0	ND	123	65-160			
1,1-Dichloroethene	30.5	1.0		ug/l	25.0	ND	122	65-165			
Ethylbenzene	25.0	1.0		ug/l	25.0	ND	100	80-135			
Methyl-tert-butyl Ether (MTBE)	32.4	1.0		ug/l	25.0	ND	130	65-150			
Naphthalene	29.0	1.0		ug/l	25.0	ND	116	50-155			
Tetrachloroethene	24.3	1.0		ug/l	25.0	ND	97.2	75-155			
Toluene	25.8	1.0		ug/l	25.0	ND	103	75-135			
Trichloroethene	25.3	1.0		ug/l	25.0	ND	101	75-130			
Vinyl chloride	24.0	0.50		ug/l	25.0	ND	96.0	40-190			
o-Xylene	25.0	1.0		ug/l	25.0	ND	100	75-150			
m,p-Xylenes	50.4	1.0		ug/l	50.0	ND	101	70-140			
Di-isopropyl Ether (DIPE)	31.4	5.0		ug/l	25.0	ND	126	65-135			

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Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
Matrix Spike Analyzed: 07/30/01 (I1G3007-MS1)						Source: IKG1019-03					
Ethyl tert-Butyl Ether (ETBE)	31.9	5.0		ug/l	25.0	ND	128	65-135			
tert-Amyl Methyl Ether (TAME)	30.6	5.0		ug/l	25.0	ND	122	60-135			
tert-Butanol (TBA)	129	50		ug/l	125	ND	103	55-160			
Surrogate: Dibromofluoromethane	*29.0*			*ug/l*	*25.0*		*116*	*80-120*			
Surrogate: Toluene-d8	*23.6*			*ug/l*	*25.0*		*94.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.7*			*ug/l*	*25.0*		*90.8*	*80-120*			
Matrix Spike Dup Analyzed: 07/30/01 (I1G3007-MSD1)						Source: IKG1019-03					
Benzene	26.2	0.50		ug/l	25.0	ND	105	70-140	3.38	20	
Bromodichloromethane	27.8	1.0		ug/l	25.0	ND	111	75-145	1.81	20	
Bromoform	28.1	1.0		ug/l	25.0	ND	112	70-150	0.00	20	
Chlorobenzene	27.0	1.0		ug/l	25.0	ND	108	75-130	0.371	20	
Chloroform	31.0	1.0		ug/l	25.0	ND	124	75-150	3.80	20	
Dibromochloromethane	25.6	1.0		ug/l	25.0	ND	102	70-145	1.93	20	
1,4-Dichlorobenzene	27.0	1.0		ug/l	25.0	ND	108	80-145	0.00	20	
1,1-Dichloroethane	32.7	1.0		ug/l	25.0	ND	131	75-160	4.48	20	
1,2-Dichloroethane	31.4	0.50		ug/l	25.0	ND	126	65-160	1.93	20	
1,1-Dichloroethene	28.6	1.0		ug/l	25.0	ND	114	65-165	6.43	20	
Ethylbenzene	24.7	1.0		ug/l	25.0	ND	98.8	80-135	1.21	20	
Methyl-tert-butyl Ether (MTBE)	31.6	1.0		ug/l	25.0	ND	126	65-150	2.50	20	
Naphthalene	29.3	1.0		ug/l	25.0	ND	117	50-155	1.03	20	
Tetrachloroethene	24.8	1.0		ug/l	25.0	ND	99.2	75-155	2.04	20	
Toluene	25.8	1.0		ug/l	25.0	ND	103	75-135	0.00	20	
Trichloroethene	25.4	1.0		ug/l	25.0	ND	102	75-130	0.394	20	
Vinyl chloride	24.2	0.50		ug/l	25.0	ND	96.8	40-190	0.830	25	
o-Xylene	24.3	1.0		ug/l	25.0	ND	97.2	75-150	2.84	20	
m,p-Xylenes	50.6	1.0		ug/l	50.0	ND	101	70-140	0.396	20	
Di-isopropyl Ether (DIPE)	31.1	5.0		ug/l	25.0	ND	124	65-135	0.960	20	
Ethyl tert-Butyl Ether (ETBE)	31.7	5.0		ug/l	25.0	ND	127	65-135	0.629	20	
tert-Amyl Methyl Ether (TAME)	28.6	5.0		ug/l	25.0	ND	114	60-135	6.76	20	
tert-Butanol (TBA)	124	50		ug/l	125	ND	99.2	55-160	3.95	40	
Surrogate: Dibromofluoromethane	*29.1*			*ug/l*	*25.0*		*116*	*80-120*			
Surrogate: Toluene-d8	*23.3*			*ug/l*	*25.0*		*93.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.9*			*ug/l*	*25.0*		*91.6*	*80-120*			

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
Blank Analyzed: 08/02/01 (I1G3030-BLK1)											
Acenaphthene	ND	10		ug/l							
Acenaphthylene	ND	10		ug/l							
Aniline	ND	10		ug/l							
Anthracene	ND	10		ug/l							
Azobenzene	ND	20		ug/l							
Benzidine	ND	100		ug/l							
Benzoic acid	ND	100		ug/l							
Benzo(a)anthracene	ND	10		ug/l							
Benzo(b)fluoranthene	ND	10		ug/l							
Benzo(k)fluoranthene	ND	10		ug/l							
Benzo(g,h,i)perylene	ND	10		ug/l							
Benzo(a)pyrene	ND	10		ug/l							
Benzyl alcohol	ND	20		ug/l							
Bis(2-chloroethoxy)methane	ND	10		ug/l							
Bis(2-chloroethyl)ether	ND	10		ug/l							
Bis(2-chloroisopropyl)ether	ND	10		ug/l							
Bis(2-ethylhexyl)phthalate	ND	50		ug/l							
4-Bromophenyl phenyl ether	ND	10		ug/l							
Butyl benzyl phthalate	ND	20		ug/l							
4-Chloroaniline	ND	10		ug/l							
2-Chloronaphthalene	ND	10		ug/l							
4-Chloro-3-methylphenol	ND	20		ug/l							
2-Chlorophenol	ND	10		ug/l							
4-Chlorophenyl phenyl ether	ND	10		ug/l							
Chrysene	ND	10		ug/l							
Dibenz(a,h)anthracene	ND	20		ug/l							
Dibenzofuran	ND	10		ug/l							
Di-n-butyl phthalate	ND	20		ug/l							
1,3-Dichlorobenzene	ND	10		ug/l							
1,4-Dichlorobenzene	ND	10		ug/l							
1,2-Dichlorobenzene	ND	10		ug/l							
3,3-Dichlorobenzidine	ND	40		ug/l							
2,4-Dichlorophenol	ND	10		ug/l							
Diethyl phthalate	ND	10		ug/l							
2,4-Dimethylphenol	ND	20		ug/l							
Dimethyl phthalate	ND	10		ug/l							

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METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
Blank Analyzed: 08/02/01 (I1G3030-BLK1)											
4,6-Dinitro-2-methylphenol	ND	40		ug/l							
2,4-Dinitrophenol	ND	100		ug/l							
2,4-Dinitrotoluene	ND	10		ug/l							
2,6-Dinitrotoluene	ND	10		ug/l							
Di-n-octyl phthalate	ND	40		ug/l							
Fluoranthene	ND	10		ug/l							
Fluorene	ND	10		ug/l							
Hexachlorobenzene	ND	10		ug/l							
Hexachlorobutadiene	ND	10		ug/l							
Hexachlorocyclopentadiene	ND	40		ug/l							
Hexachloroethane	ND	10		ug/l							
Indeno(1,2,3-cd)pyrene	ND	20		ug/l							
Isophorone	ND	10		ug/l							
2-Methylnaphthalene	ND	10		ug/l							
2-Methylphenol	ND	10		ug/l							
4-Methylphenol	ND	10		ug/l							
Naphthalene	ND	10		ug/l							
2-Nitroaniline	ND	20		ug/l							
3-Nitroaniline	ND	20		ug/l							
4-Nitroaniline	ND	100		ug/l							
Nitrobenzene	ND	40		ug/l							
2-Nitrophenol	ND	10		ug/l							
4-Nitrophenol	ND	100		ug/l							
n-Nitrosodiphenylamine	ND	10		ug/l							
n-Nitroso-di-n-propylamine	ND	10		ug/l							
Pentachlorophenol	ND	40		ug/l							
Phenanthrene	ND	10		ug/l							
Phenol	ND	10		ug/l							
Pyrene	ND	10		ug/l							
1,2,4-Trichlorobenzene	ND	10		ug/l							
2,4,5-Trichlorophenol	ND	20		ug/l							
2,4,6-Trichlorophenol	ND	20		ug/l							
Surrogate: 2-Fluorophenol	*127*			*ug/l*	*200*		*63.5*	*30-110*			
Surrogate: Phenol-d6	*145*			*ug/l*	*200*		*72.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*155*			*ug/l*	*200*		*77.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*71.9*			*ug/l*	*100*		*71.9*	*40-110*			

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Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
Blank Analyzed: 08/02/01 (I1G3030-BLK1)											
Surrogate: 2-Fluorobiphenyl	*68.4*			*ug/l*	*100*		*68.4*	*40-120*			
Surrogate: Terphenyl-d14	*82.0*			*ug/l*	*100*		*82.0*	*55-160*			
LCS Analyzed: 08/02/01 (I1G3030-BS1)											
Acenaphthene	73.8	10		ug/l	100		73.8	55-120			
Acenaphthylene	73.2	10		ug/l	100		73.2	55-120			
Aniline	83.3	10		ug/l	100		83.3	30-120			
Anthracene	83.3	10		ug/l	100		83.3	65-120			
Azobenzene	82.9	20		ug/l	100		82.9	50-125			
Benzidine	107	100		ug/l	100		107	10-200			
Benzoic acid	ND	100		ug/l	100		78.1	25-120			
Benzo(a)anthracene	91.1	10		ug/l	100		91.1	70-125			
Benzo(b)fluoranthene	100	10		ug/l	100		100	65-125			
Benzo(k)fluoranthene	98.5	10		ug/l	100		98.5	65-135			
Benzo(g,h,i)perylene	95.5	10		ug/l	100		95.5	25-150			
Benzo(a)pyrene	105	10		ug/l	100		105	70-125			
Benzyl alcohol	81.3	20		ug/l	100		81.3	45-120			
Bis(2-chloroethoxy)methane	75.6	10		ug/l	100		75.6	50-120			
Bis(2-chloroethyl)ether	72.2	10		ug/l	100		72.2	45-120			
Bis(2-chloroisopropyl)ether	77.4	10		ug/l	100		77.4	36-120			
Bis(2-ethylhexyl)phthalate	91.4	50		ug/l	100		91.4	65-140			
4-Bromophenyl phenyl ether	89.9	10		ug/l	100		89.9	55-120			
Butyl benzyl phthalate	84.6	20		ug/l	100		84.6	70-135			
4-Chloroaniline	85.1	10		ug/l	100		85.1	25-120			
2-Chloronaphthalene	73.1	10		ug/l	100		73.1	60-118			
4-Chloro-3-methylphenol	92.3	20		ug/l	100		92.3	55-120			
2-Chlorophenol	69.8	10		ug/l	100		69.8	45-120			
4-Chlorophenyl phenyl ether	81.9	10		ug/l	100		81.9	60-120			
Chrysene	86.3	10		ug/l	100		86.3	70-130			
Dibenz(a,h)anthracene	98.8	20		ug/l	100		98.8	50-130			
Dibenzofuran	78.1	10		ug/l	100		78.1	55-120			
Di-n-butyl phthalate	87.0	20		ug/l	100		87.0	60-118			
1,3-Dichlorobenzene	60.4	10		ug/l	100		60.4	30-120			
1,4-Dichlorobenzene	62.6	10		ug/l	100		62.6	35-120			
1,2-Dichlorobenzene	65.5	10		ug/l	100		65.5	45-120			
3,3-Dichlorobenzidine	103	40		ug/l	100		103	35-145			

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Earth Tech - San Diego
9675 Business Park Avenue
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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
LCS Analyzed: 08/02/01 (I1G3030-BS1)											
2,4-Dichlorophenol	77.7	10		ug/l	100		77.7	50-120			
Diethyl phthalate	82.7	10		ug/l	100		82.7	65-114			
2,4-Dimethylphenol	55.8	20		ug/l	100		55.8	32-119			
Dimethyl phthalate	80.9	10		ug/l	100		80.9	65-112			
4,6-Dinitro-2-methylphenol	91.2	40		ug/l	100		91.2	65-125			
2,4-Dinitrophenol	ND	100		ug/l	100		89.1	40-125			
2,4-Dinitrotoluene	84.7	10		ug/l	100		84.7	65-120			
2,6-Dinitrotoluene	83.7	10		ug/l	100		83.7	65-120			
Di-n-octyl phthalate	93.3	40		ug/l	100		93.3	55-146			
Fluoranthene	87.4	10		ug/l	100		87.4	70-120			
Fluorene	78.6	10		ug/l	100		78.6	59-120			
Hexachlorobenzene	81.6	10		ug/l	100		81.6	60-120			
Hexachlorobutadiene	65.4	10		ug/l	100		65.4	35-116			
Hexachlorocyclopentadiene	ND	40		ug/l	100		20.7	10-120			
Hexachloroethane	65.0	10		ug/l	100		65.0	40-113			
Indeno(1,2,3-cd)pyrene	105	20		ug/l	100		105	40-135			
Isophorone	80.0	10		ug/l	100		80.0	50-120			
2-Methylnaphthalene	73.4	10		ug/l	100		73.4	55-120			
2-Methylphenol	78.8	10		ug/l	100		78.8	45-120			
4-Methylphenol	81.1	10		ug/l	100		81.1	45-120			
Naphthalene	69.9	10		ug/l	100		69.9	45-120			
2-Nitroaniline	95.4	20		ug/l	100		95.4	50-135			
3-Nitroaniline	82.6	20		ug/l	100		82.6	50-125			
4-Nitroaniline	ND	100		ug/l	100		95.7	55-140			
Nitrobenzene	77.0	40		ug/l	100		77.0	45-120			
2-Nitrophenol	79.1	10		ug/l	100		79.1	50-120			
4-Nitrophenol	ND	100		ug/l	100		91.9	50-132			
n-Nitrosodiphenylamine	83.0	10		ug/l	100		83.0	45-120			
n-Nitroso-di-n-propylamine	84.8	10		ug/l	100		84.8	45-125			
Pentachlorophenol	82.3	40		ug/l	100		82.3	50-130			
Phenanthrene	82.2	10		ug/l	100		82.2	65-120			
Phenol	69.9	10		ug/l	100		69.9	35-112			
Pyrene	76.9	10		ug/l	100		76.9	65-115			
1,2,4-Trichlorobenzene	66.9	10		ug/l	100		66.9	50-120			
2,4,5-Trichlorophenol	79.6	20		ug/l	100		79.6	55-120			
2,4,6-Trichlorophenol	80.2	20		ug/l	100		80.2	55-120			

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Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
LCS Analyzed: 08/02/01 (I1G3030-BS1)											
Surrogate: 2-Fluorophenol	*129*			*ug/l*	*200*		*64.5*	*30-110*			
Surrogate: Phenol-d6	*150*			*ug/l*	*200*		*75.0*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*168*			*ug/l*	*200*		*84.0*	*55-140*			
Surrogate: Nitrobenzene-d5	*77.9*			*ug/l*	*100*		*77.9*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*70.9*			*ug/l*	*100*		*70.9*	*40-120*			
Surrogate: Terphenyl-d14	*78.6*			*ug/l*	*100*		*78.6*	*55-160*			
LCS Dup Analyzed: 08/02/01 (I1G3030-BSD1)											
Acenaphthene	80.3	10		ug/l	100		80.3	55-120	8.44	35	
Acenaphthylene	78.6	10		ug/l	100		78.6	55-120	7.11	20	
Aniline	93.0	10		ug/l	100		93.0	30-120	11.0	40	
Anthracene	86.9	10		ug/l	100		86.9	65-120	4.23	15	
Azobenzene	90.9	20		ug/l	100		90.9	50-125	9.21	15	
Benzidine	106	100		ug/l	100		106	10-200	0.939	35	
Benzoic acid	ND	100		ug/l	100		84.9	25-120	8.34	40	
Benzo(a)anthracene	87.5	10		ug/l	100		87.5	70-125	4.03	20	
Benzo(b)fluoranthene	106	10		ug/l	100		106	65-125	5.83	20	
Benzo(k)fluoranthene	97.9	10		ug/l	100		97.9	65-135	0.611	25	
Benzo(g,h,i)perylene	78.7	10		ug/l	100		78.7	25-150	19.3	25	
Benzo(a)pyrene	101	10		ug/l	100		101	70-125	3.88	15	
Benzyl alcohol	93.0	20		ug/l	100		93.0	45-120	13.4	25	
Bis(2-chloroethoxy)methane	85.2	10		ug/l	100		85.2	50-120	11.9	25	
Bis(2-chloroethyl)ether	84.5	10		ug/l	100		84.5	45-120	15.7	25	
Bis(2-chloroisopropyl)ether	90.5	10		ug/l	100		90.5	36-120	15.6	25	
Bis(2-ethylhexyl)phthalate	99.0	50		ug/l	100		99.0	65-140	7.98	15	
4-Bromophenyl phenyl ether	91.2	10		ug/l	100		91.2	55-120	1.44	20	
Butyl benzyl phthalate	83.5	20		ug/l	100		83.5	70-135	1.31	15	
4-Chloroaniline	93.8	10		ug/l	100		93.8	25-120	9.73	50	
2-Chloronaphthalene	77.4	10		ug/l	100		77.4	60-118	5.71	25	
4-Chloro-3-methylphenol	103	20		ug/l	100		103	55-120	11.0	25	
2-Chlorophenol	81.3	10		ug/l	100		81.3	45-120	15.2	25	
4-Chlorophenyl phenyl ether	87.7	10		ug/l	100		87.7	60-120	6.84	20	
Chrysene	85.0	10		ug/l	100		85.0	70-130	1.52	10	
Dibenz(a,h)anthracene	82.1	20		ug/l	100		82.1	50-130	18.5	15	*R-7*
Dibenzofuran	84.5	10		ug/l	100		84.5	55-120	7.87	25	
Di-n-butyl phthalate	91.9	20		ug/l	100		91.9	60-118	5.48	10	

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San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
LCS Dup Analyzed: 08/02/01 (I1G3030-BSD1)											
1,3-Dichlorobenzene	69.2	10		ug/l	100		69.2	30-120	13.6	30	
1,4-Dichlorobenzene	72.5	10		ug/l	100		72.5	35-120	14.7	25	
1,2-Dichlorobenzene	76.6	10		ug/l	100		76.6	45-120	15.6	25	
3,3-Dichlorobenzidine	93.6	40		ug/l	100		93.6	35-145	9.56	25	
2,4-Dichlorophenol	87.8	10		ug/l	100		87.8	50-120	12.2	25	
Diethyl phthalate	90.5	10		ug/l	100		90.5	65-114	9.01	15	
2,4-Dimethylphenol	61.6	20		ug/l	100		61.6	32-119	9.88	30	
Dimethyl phthalate	86.5	10		ug/l	100		86.5	65-112	6.69	20	
4,6-Dinitro-2-methylphenol	92.7	40		ug/l	100		92.7	65-125	1.63	20	
2,4-Dinitrophenol	ND	100		ug/l	100		93.0	40-125	4.28	30	
2,4-Dinitrotoluene	92.2	10		ug/l	100		92.2	65-120	8.48	20	
2,6-Dinitrotoluene	90.3	10		ug/l	100		90.3	65-120	7.59	20	
Di-n-octyl phthalate	106	40		ug/l	100		106	55-146	12.7	20	
Fluoranthene	90.3	10		ug/l	100		90.3	70-120	3.26	15	
Fluorene	86.0	10		ug/l	100		86.0	59-120	8.99	30	
Hexachlorobenzene	83.1	10		ug/l	100		83.1	60-120	1.82	15	
Hexachlorobutadiene	76.0	10		ug/l	100		76.0	35-116	15.0	25	
Hexachlorocyclopentadiene	ND	40		ug/l	100		20.1	10-120	2.94	35	
Hexachloroethane	75.1	10		ug/l	100		75.1	40-113	14.4	25	
Indeno(1,2,3-cd)pyrene	85.5	20		ug/l	100		85.5	40-135	20.5	20	*R-7*
Isophorone	88.5	10		ug/l	100		88.5	50-120	10.1	20	
2-Methylnaphthalene	83.1	10		ug/l	100		83.1	55-120	12.4	20	
2-Methylphenol	90.3	10		ug/l	100		90.3	45-120	13.6	25	
4-Methylphenol	92.5	10		ug/l	100		92.5	45-120	13.1	25	
Naphthalene	80.2	10		ug/l	100		80.2	45-120	13.7	25	
2-Nitroaniline	103	20		ug/l	100		103	50-135	7.66	15	
3-Nitroaniline	89.3	20		ug/l	100		89.3	50-125	7.80	20	
4-Nitroaniline	102	100		ug/l	100		102	55-140	6.37	15	
Nitrobenzene	87.3	40		ug/l	100		87.3	45-120	12.5	25	
2-Nitrophenol	90.0	10		ug/l	100		90.0	50-120	12.9	50	
4-Nitrophenol	ND	100		ug/l	100		99.2	50-132	7.64	30	
n-Nitrosodiphenylamine	85.2	10		ug/l	100		85.2	45-120	2.62	20	
n-Nitroso-di-n-propylamine	97.1	10		ug/l	100		97.1	45-125	13.5	25	
Pentachlorophenol	86.0	40		ug/l	100		86.0	50-130	4.40	45	
Phenanthrene	85.2	10		ug/l	100		85.2	65-120	3.58	20	
Phenol	80.0	10		ug/l	100		80.0	35-112	13.5	25	

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Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
LCS Dup Analyzed: 08/02/01 (I1G3030-BSD1)											
Pyrene	77.0	10		ug/l	100		77.0	65-115	0.130	15	
1,2,4-Trichlorobenzene	75.8	10		ug/l	100		75.8	50-120	12.5	25	
2,4,5-Trichlorophenol	87.1	20		ug/l	100		87.1	55-120	9.00	35	
2,4,6-Trichlorophenol	85.9	20		ug/l	100		85.9	55-120	6.86	25	
Surrogate: 2-Fluorophenol	*152*			*ug/l*	*200*		*76.0*	*30-110*			
Surrogate: Phenol-d6	*175*			*ug/l*	*200*		*87.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*175*			*ug/l*	*200*		*87.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*88.8*			*ug/l*	*100*		*88.8*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*76.3*			*ug/l*	*100*		*76.3*	*40-120*			
Surrogate: Terphenyl-d14	*79.4*			*ug/l*	*100*		*79.4*	*55-160*			

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TOTAL PCBS (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3033 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3033-BLK1)											
Aroclor 1016	ND	1.0		ug/l							
Aroclor 1221	ND	1.0		ug/l							
Aroclor 1232	ND	1.0		ug/l							
Aroclor 1242	ND	1.0		ug/l							
Aroclor 1248	ND	1.0		ug/l							
Aroclor 1254	ND	1.0		ug/l							
Aroclor 1260	ND	1.0		ug/l							
Surrogate: Decachlorobiphenyl	*0.407*			*ug/l*	*0.500*		*81.4*	*30-120*			
LCS Analyzed: 07/30/01 (I1G3033-BS2)											
Aroclor 1016	3.02	1.0		ug/l	4.00		75.5	45-115			
Aroclor 1260	3.00	1.0		ug/l	4.00		75.0	55-115			
Surrogate: Decachlorobiphenyl	*0.404*			*ug/l*	*0.500*		*80.8*	*30-120*			
LCS Dup Analyzed: 07/30/01 (I1G3033-BSD2)											**M-NR1**
Aroclor 1016	3.01	1.0		ug/l	4.00		75.2	45-115	0.332	25	
Aroclor 1260	3.08	1.0		ug/l	4.00		77.0	55-115	2.63	20	
Surrogate: Decachlorobiphenyl	*0.426*			*ug/l*	*0.500*		*85.2*	*30-120*			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2733 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2733-BLK1)											
Mercury	ND	0.00020		mg/l							
LCS Analyzed: 07/27/01 (I1G2733-BS1)											
Mercury	0.00819	0.00020		mg/l	0.00800		102	85-115			
Matrix Spike Analyzed: 07/27/01 (I1G2733-MS1)						Source: IKG0945-01					
Mercury	0.00705	0.00020		mg/l	0.00800	ND	88.1	70-130			
Matrix Spike Dup Analyzed: 07/27/01 (I1G2733-MSD1)						Source: IKG0945-01					
Mercury	0.00707	0.00020		mg/l	0.00800	ND	88.4	70-130	0.283	20	
Batch: I1G2734 Extracted: 07/27/01											
Blank Analyzed: 07/30/01 (I1G2734-BLK1)											
Arsenic	ND	0.0050		mg/l							
Beryllium	ND	0.0020		mg/l							
Cadmium	ND	0.0050		mg/l							
Chromium	ND	0.0050		mg/l							
Copper	ND	0.010		mg/l							
Iron	ND	0.040		mg/l							
Lead	ND	0.0050		mg/l							
Manganese	ND	0.020		mg/l							
Nickel	ND	0.010		mg/l							
Silver	ND	0.010		mg/l							
Sodium	ND	0.50		mg/l							
Thallium	ND	0.0050		mg/l							
Zinc	ND	0.020		mg/l							

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2734 Extracted: 07/27/01											
LCS Analyzed: 07/30/01 (I1G2734-BS1)											
Arsenic	0.491	0.0050		mg/l	0.500		98.2	85-115			
Beryllium	0.480	0.0020		mg/l	0.500		96.0	85-115			
Cadmium	0.475	0.0050		mg/l	0.500		95.0	85-115			
Chromium	0.479	0.0050		mg/l	0.500		95.8	85-115			
Copper	0.456	0.010		mg/l	0.500		91.2	85-115			
Iron	0.481	0.040		mg/l	0.500		96.2	85-115			
Lead	0.468	0.0050		mg/l	0.500		93.6	85-115			
Manganese	0.486	0.020		mg/l	0.500		97.2	85-115			
Nickel	0.459	0.010		mg/l	0.500		91.8	85-115			
Silver	0.241	0.010		mg/l	0.250		96.4	85-115			
Sodium	2.69	0.50		mg/l	2.50		108	85-115			
Thallium	0.467	0.0050		mg/l	0.500		93.4	85-115			
Zinc	0.468	0.020		mg/l	0.500		93.6	85-115			
Matrix Spike Analyzed: 07/30/01 (I1G2734-MS1)						**Source: IKG0945-01**					
Arsenic	0.526	0.015		mg/l	0.500	0.015	102	70-130			
Beryllium	0.489	0.0060		mg/l	0.500	ND	97.8	70-130			
Cadmium	0.460	0.015		mg/l	0.500	ND	92.0	70-130			
Chromium	0.464	0.015		mg/l	0.500	ND	92.8	70-130			
Copper	0.613	0.030		mg/l	0.500	ND	120	70-130			
Iron	0.496	0.12		mg/l	0.500	ND	95.4	70-130			
Lead	0.466	0.015		mg/l	0.500	ND	93.2	70-130			
Manganese	0.475	0.060		mg/l	0.500	ND	95.0	70-130			
Nickel	0.467	0.030		mg/l	0.500	ND	93.4	70-130			
Silver	0.284	0.030		mg/l	0.250	ND	114	70-130			
Sodium	10300	15		mg/l	2.50	10000	12000	70-130			*M-HA*
Thallium	0.405	0.015		mg/l	0.500	ND	81.0	70-130			
Zinc	0.506	0.060		mg/l	0.500	ND	101	70-130			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2734 Extracted: 07/27/01											
Matrix Spike Dup Analyzed: 07/30/01 (I1G2734-MSD1)						**Source: IKG0945-01**					
Arsenic	0.513	0.015		mg/l	0.500	0.015	99.6	70-130	2.50	20	
Beryllium	0.482	0.0060		mg/l	0.500	ND	96.4	70-130	1.44	20	
Cadmium	0.451	0.015		mg/l	0.500	ND	90.2	70-130	1.98	20	
Chromium	0.458	0.015		mg/l	0.500	ND	91.6	70-130	1.30	20	
Copper	0.599	0.030		mg/l	0.500	ND	117	70-130	2.31	20	
Iron	0.475	0.12		mg/l	0.500	ND	91.2	70-130	4.33	20	
Lead	0.462	0.015		mg/l	0.500	ND	92.4	70-130	0.862	20	
Manganese	0.466	0.060		mg/l	0.500	ND	93.2	70-130	1.91	20	
Nickel	0.458	0.030		mg/l	0.500	ND	91.6	70-130	1.95	20	
Silver	0.280	0.030		mg/l	0.250	ND	112	70-130	1.42	20	
Sodium	10400	15		mg/l	2.50	10000	16000	70-130	0.966	20	*M-HA*
Thallium	0.411	0.015		mg/l	0.500	ND	82.2	70-130	1.47	20	
Zinc	0.484	0.060		mg/l	0.500	ND	96.8	70-130	4.44	20	

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2709 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2709-BLK1)											
Nitrate-N	ND	0.11		mg/l							
Nitrite-N	ND	0.15		mg/l							
LCS Analyzed: 07/27/01 (I1G2709-BS1)											
Nitrate-N	1.08	0.11		mg/l	1.13		95.6	90-110			
Nitrite-N	1.56	0.15		mg/l	1.52		103	90-110			
Matrix Spike Analyzed: 07/27/01 (I1G2709-MS1)						Source: IKG0959-01					
Nitrate-N	10.9	1.1		mg/l	11.3	ND	96.5	80-120			
Nitrite-N	12.7	1.5		mg/l	15.2	ND	83.6	80-120			
Matrix Spike Dup Analyzed: 07/27/01 (I1G2709-MSD1)						Source: IKG0959-01					
Nitrate-N	10.5	1.1		mg/l	11.3	ND	92.9	80-120	3.74	20	
Nitrite-N	12.4	1.5		mg/l	15.2	ND	81.6	80-120	2.39	20	
Batch: I1G2746 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2746-BLK1)											
Residual Chlorine	ND	0.10		mg/l							
Duplicate Analyzed: 07/27/01 (I1G2746-DUP1)						Source: IKG0960-01					
Residual Chlorine	ND	0.10		mg/l		ND				200	
Batch: I1G2754 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2754-BLK1)											
Chromium VI	ND	0.010		mg/l							

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Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2754 Extracted: 07/27/01											
LCS Analyzed: 07/27/01 (I1G2754-BS1)											
Chromium VI	0.0968	0.010		mg/l	0.100		96.8	90-110			
Matrix Spike Analyzed: 07/27/01 (I1G2754-MS1)						Source: IKG0960-01					
Chromium VI	0.296	0.010		mg/l	0.300	ND	98.7	85-115			
Matrix Spike Dup Analyzed: 07/27/01 (I1G2754-MSD1)						Source: IKG0960-01					
Chromium VI	0.298	0.010		mg/l	0.300	ND	99.3	85-115	0.673	20	
Batch: I1G2757 Extracted: 07/27/01											
Duplicate Analyzed: 07/27/01 (I1G2757-DUP1)						Source: IKG0685-01					
Specific Conductance	1560	1.0		umhos/cm		1500			3.92	5	
Batch: I1G2764 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2764-BLK1)											
Total Suspended Solids	ND	10		mg/l							
Duplicate Analyzed: 07/27/01 (I1G2764-DUP1)						Source: IKG0865-02					
Total Suspended Solids	29.0	10		mg/l		28			3.51	5	
Reference Analyzed: 07/27/01 (I1G2764-SRM1)											
Total Suspended Solids	70.0	10		mg/l	72.0		97.2	85-115			
Batch: I1G2766 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2766-BLK1)											
Dissolved Oxygen	ND	1.0		mg/l							

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2766 Extracted: 07/27/01											
Duplicate Analyzed: 07/27/01 (I1G2766-DUP1)						Source: IKG0960-01					
Dissolved Oxygen	4.28	1.0		mg/l		4.3			0.466	20	
Batch: I1G2767 Extracted: 07/27/01											
Duplicate Analyzed: 07/27/01 (I1G2767-DUP1)						Source: IKG0959-02					
pH	7.09	NA		pH Units		7.04			0.708	5	
Batch: I1G2770 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2770-BLK1)											
Turbidity	ND	1.0		NTU							
Duplicate Analyzed: 07/27/01 (I1G2770-DUP1)						Source: IKG0960-01					
Turbidity	23.0	1.0		NTU		23			0.00	20	
Batch: I1G2775 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2775-BLK1)											
Surfactants (MBAS)	ND	0.10		mg/l							
LCS Analyzed: 07/27/01 (I1G2775-BS1)											
Surfactants (MBAS)	0.240	0.10		mg/l	0.250		96.0	90-110			
Matrix Spike Analyzed: 07/27/01 (I1G2775-MS1)						Source: IKG0960-01					
Surfactants (MBAS)	0.244	0.10		mg/l	0.250	ND	81.2	50-125			

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Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2775 Extracted: 07/27/01											
Matrix Spike Dup Analyzed: 07/27/01 (I1G2775-MSD1)						Source: IKG0960-01					
Surfactants (MBAS)	0.258	0.10		mg/l	0.250	ND	86.8	50-125	5.58	20	
Batch: I1G3022 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3022-BLK1)											
Dissolved Sulfide	ND	0.10		mg/l							
LCS Analyzed: 07/30/01 (I1G3022-BS1)											
Dissolved Sulfide	0.506	0.10		mg/l	0.470		108	80-120			
Matrix Spike Analyzed: 07/30/01 (I1G3022-MS1)						Source: IKG0812-02					
Dissolved Sulfide	0.270	0.10		mg/l	0.282	ND	95.7	70-130			
Matrix Spike Dup Analyzed: 07/30/01 (I1G3022-MSD1)						Source: IKG0812-02					
Dissolved Sulfide	0.275	0.10		mg/l	0.282	ND	97.5	70-130	1.83	30	
Batch: I1G3068 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3068-BLK1)											
Total Cyanide	ND	0.025		mg/l							
LCS Analyzed: 07/30/01 (I1G3068-BS1)											
Total Cyanide	0.201	0.025		mg/l	0.200		100	85-115			
Matrix Spike Analyzed: 07/30/01 (I1G3068-MS1)						Source: IKG0960-01					
Total Cyanide	0.202	0.025		mg/l	0.200	ND	99.2	70-115			

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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3068 Extracted: 07/30/01											
Matrix Spike Dup Analyzed: 07/30/01 (I1G3068-MSD1)						Source: IKG0960-01					
Total Cyanide	0.204	0.025		mg/l	0.200	ND	100	70-115	0.985	15	
Batch: I1G3151 Extracted: 07/31/01											
Blank Analyzed: 07/31/01 (I1G3151-BLK1)											
Hardness (as CaCO3)	ND	4.0		mg/l							
Duplicate Analyzed: 07/31/01 (I1G3151-DUP1)						Source: IKG0884-01					
Hardness (as CaCO3)	375	4.0		mg/l		380			1.32	20	
Reference Analyzed: 07/31/01 (I1G3151-SRM1)											
Hardness (as CaCO3)	132	4.0		mg/l	117		113	85-115			
Batch: I1H0149 Extracted: 08/01/01											
Blank Analyzed: 08/01/01 (I1H0149-BLK1)											
Phosphorus	ND	0.050		mg/l							
LCS Analyzed: 08/01/01 (I1H0149-BS1)											
Phosphorus	0.982	0.050		mg/l	1.00		98.2	80-120			
Matrix Spike Analyzed: 08/01/01 (I1H0149-MS1)						Source: IKG1072-03					
Phosphorus	1.52	0.050		mg/l	1.00	0.52	100	65-130			
Matrix Spike Dup Analyzed: 08/01/01 (I1H0149-MSD1)						Source: IKG1072-03					
Phosphorus	1.51	0.050		mg/l	1.00	0.52	99.0	65-130	0.660	15	

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1H0323 Extracted: 08/03/01											
Blank Analyzed: 08/03/01 (I1H0323-BLK1)											
Fluoride	ND	0.50		mg/l							
LCS Analyzed: 08/03/01 (I1H0323-BS1)											
Fluoride	4.59	0.50		mg/l	5.00		91.8	90-110			
Matrix Spike Analyzed: 08/03/01 (I1H0323-MS1)						**Source: IKH0098-01**					
Fluoride	45.1	5.0		mg/l	50.0	ND	86.8	80-120			
Matrix Spike Dup Analyzed: 08/03/01 (I1H0323-MSD1)						**Source: IKH0098-01**					
Fluoride	45.9	5.0		mg/l	50.0	ND	88.4	80-120	1.76	20	

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Report Number: IKG0960

Sampled: 07/26/01
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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C1G3103 Extracted: 07/31/01											
Blank Analyzed: 07/31/01 (C1G3103-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50		mg/l							
LCS Analyzed: 07/31/01 (C1G3103-BS1)											
Total Kjeldahl Nitrogen	10.1	0.50		mg/l	10.0		101	85-120			
Matrix Spike Analyzed: 07/31/01 (C1G3103-MS1)						Source: CKG0288-01					
Total Kjeldahl Nitrogen	9.52	0.50		mg/l	10.0	ND	95.2	65-125			
Matrix Spike Dup Analyzed: 07/31/01 (C1G3103-MSD1)						Source: CKG0288-01					
Total Kjeldahl Nitrogen	9.24	0.50		mg/l	10.0	ND	92.4	65-125	2.99	15	

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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

Phenols by EPA Method 8041

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1G31006 Extracted: 07/31/01											
Blank Analyzed: 08/02/01 (1G31006-BLK1)											
4-Chloro-3-methylphenol	ND	2.0	0.65	ug/l							
2-Chlorophenol	ND	2.0	1.1	ug/l							
2,4-Dichlorophenol	ND	2.0	0.34	ug/l							
2,4-Dimethylphenol	ND	2.0	1.4	ug/l							
2,4-Dinitrophenol	ND	20	18	ug/l							
2-Methyl-4,6-dinitrophenol	ND	20	16	ug/l							
2-Nitrophenol	ND	2.0	0.39	ug/l							
4-Nitrophenol	ND	20	4.1	ug/l							
Pentachlorophenol	ND	20	14	ug/l							
Phenol	ND	2.0	0.42	ug/l							
2,4,6-Trichlorophenol	ND	2.0	0.48	ug/l							
Surrogate: 2,4,6-Tribromophenol	*89.2*			*ug/l*	*100*		*89.2*	*19-122*			
LCS Analyzed: 08/02/01 (1G31006-BS1)											
4-Chloro-3-methylphenol	83.6	2.0	0.65	ug/l	100		83.6	20-120			
4-Nitrophenol	44.0	20	4.1	ug/l	100		44.0	20-120			
Phenol	38.9	2.0	0.42	ug/l	100		38.9	20-120			
Surrogate: 2,4,6-Tribromophenol	*88.2*			*ug/l*	*100*		*88.2*	*19-122*			
LCS Dup Analyzed: 08/02/01 (1G31006-BSD1)											
4-Chloro-3-methylphenol	80.8	2.0	0.65	ug/l	100		80.8	20-120	3.41	50	
4-Nitrophenol	46.2	20	4.1	ug/l	100		46.2	20-120	4.88	50	
Phenol	38.2	2.0	0.42	ug/l	100		38.2	20-120	1.82	50	
Surrogate: 2,4,6-Tribromophenol	*66.8*			*ug/l*	*100*		*66.8*	*19-122*			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

DATA QUALIFIERS AND DEFINITIONS

L2	Laboratory Control Sample recovery was below method control limits. See Corrective Action Report.
M-HA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
QD	Quantitated against a diesel fuel standard.
QG	Carbon range C6-C12 quantitated against a gasoline standard.
R-7	*LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.*
RL-1	Reporting limit raised due to sample matrix effects.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR	Not reported.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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August 22, 2001

Earth Tech
9675 Business Park Avenue
San Diego, CA 92131

Attention: Greg Delson

Project: 44102.02 NPDES, Sampled: 07/26/01
Del Mar Analytical Number: IKG0960

Dear Mr. Delson:

Aquatic Testing Laboratories performed the Fathead Minnow Acute 96hr LC50 Bioassay (EPA 600/4-85/013), Fathead Minnow Larval Survival and Growth Test (EPA Method 1000), Ceriodaphnia Survival and Reproduction Test (EPA Method 1002), and Selenastrum Algal Growth Toxicity Test (EPA Method 1003) analyses requested for the project referenced above. Please use the following table when reviewing your results.

Client ID	Del Mar ID	Aquatic Testing Lab ID
MVE-7	IKG0960-01	A-01072708-001

Attached are the final reports from Aquatic Testing Lab. If you have any questions or require further assistance, please contact me at (949) 261-1022, extension 213.

Sincerely yours,

DEL MAR ANALYTICAL

Patty Mata
Project Manager

Enclosure

LABORATORY REPORT

Aquatic Testing Laboratories

"dedicated to providing quality aquatic toxicity testing"

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756

CA DOHS ELAP Cert. No.: 1775

Date: August 6, 2001

Client: Del Mar Analytical
2852 Alton Ave.
Irvine, CA 92606
Attn: Patty Mata

Laboratory No.: A-01072708-001
Sample I.D.: IKG0960-01

Sample Control: The sample was received by ATL with the chain of custody record attached.

Date Sampled: 07/26/01
Date Received: 07/27/01
Date Tested: 07/27/01 to 08/03/01

Sample Analysis: The following analyses were performed on your sample:

Fathead Minnow Acute 96hr LC50 Bioassay (EPA 600/4-85/013),
Fathead Minnow Larval Survival and Growth Test (EPA Method 1000),
Ceriodaphnia Survival and Reproduction Test (EPA Method 1002),
Selenastrum Algal Growth Toxicity Test (EPA Method 1003).

Result Summary:

Acute:	LC50	TUa
Fathead Minnow:	>100%	0.0
Chronic:	NOEC	TUc
Fathead Minnow Survival:	100%	1.0
Fathead Minnow Growth:	100%	1.0
Ceriodaphnia Survival:	6.25%	16.0
Ceriodaphnia Reproduction:	<6.25%	>16.0
Selenastrum Algae Growth:	12.5%	8.0

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

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FATHEAD MINNOW ACUTE NPDES TOXICITY TEST

Lab No.: A-01072708-001 Client/ID: Dm1KG0960-01

TEST SUMMARY

Species: Pimephales promelas.
Test type: Static.
Test chamber volume: 800 ml.
Test chamber: 1000 ml beakers.
Number of replicates: 2.
Mean fish length: 11 mm.

Source: In-Lab Culture.
Endpoint: LC50 at 96 hrs.
Temperature: 20 +/- 2°C.
Number of fish per chamber: 10.
Photoperiod: 16/8 hrs light/dark.
Mean fish weight: 0.02 gm.

Age: 24 days (1-90).
Test Protocol: EPA/600/4-85/013.
Feeding: none.
Aeration: None, unless DO drops below 4.0 mg/l.
Dilution water: Mod. hard reconstituted water.
QA/QC Batch No.: QT-010706.

TEST DATA

	INITIAL			24 Hr					48 Hr					72 Hr					96 Hr				
DATE/TIME:	7-27-01 1500			7-28-01 1500					7-29-01 1400					7-30-01 1500					7-31-01 1400				
ANALYST:																							
	°C	DO	pH	°C	DO	pH	# Dead		°C	DO	pH	# Dead		°C	DO	pH	# Dead		°C	DO	pH	# Dead	
CONTROL	20.8	8.6	8.1	20.9	6.3	8.0	0	0	20.5	6.2	8.0	0	0	20.5	6.6	8.0	0	0	20.6	6.1	7.8	0	0
6.25%	20.8	8.6	8.0	20.9	5.3	7.9	0	0	20.5	6.3	8.0	0	0	20.4	6.7	8.0	0	0	20.6	6.0	7.7	0	0
12.5%	20.6	8.5	7.9	20.8	5.6	7.8	0	0	20.5	6.7	7.9	0	0	20.4	7.0	8.0	0	0	20.6	5.8	7.7	0	0
25.0%	20.6	8.5	7.8	20.8	5.9	7.8	0	0	20.5	6.6	7.8	0	0	20.5	7.1	8.0	0	0	20.6	5.2	7.6	0	0
50.0%	20.4	8.2	7.7	20.7	5.5	7.7	0	0	20.5	6.2	7.8	0	0	20.4	7.0	7.9	0	0	20.6	5.9	7.6	0	0
100%	20.0	7.4	7.5	20.7	5.8	7.7	0	0	20.5	6.3	7.8	0	0	20.5	7.0	8.0	0	0	20.6	5.2	7.7	0	0

Comments:
Sample as received: Chlorine: 0 mg/l; pH: 7.5 ; Ammonia (NH_3-N): 0.4 mg/l; Temperature: 5 °C; DO: 7.6 mg/l.
Conductivity: 2290 umho; Alkalinity: 150 mg/l; Hardness: 365 mg/l.
Control: Conductivity: 351 umho; Alkalinity: 63 mg/l; Hardness: 98 mg/l.

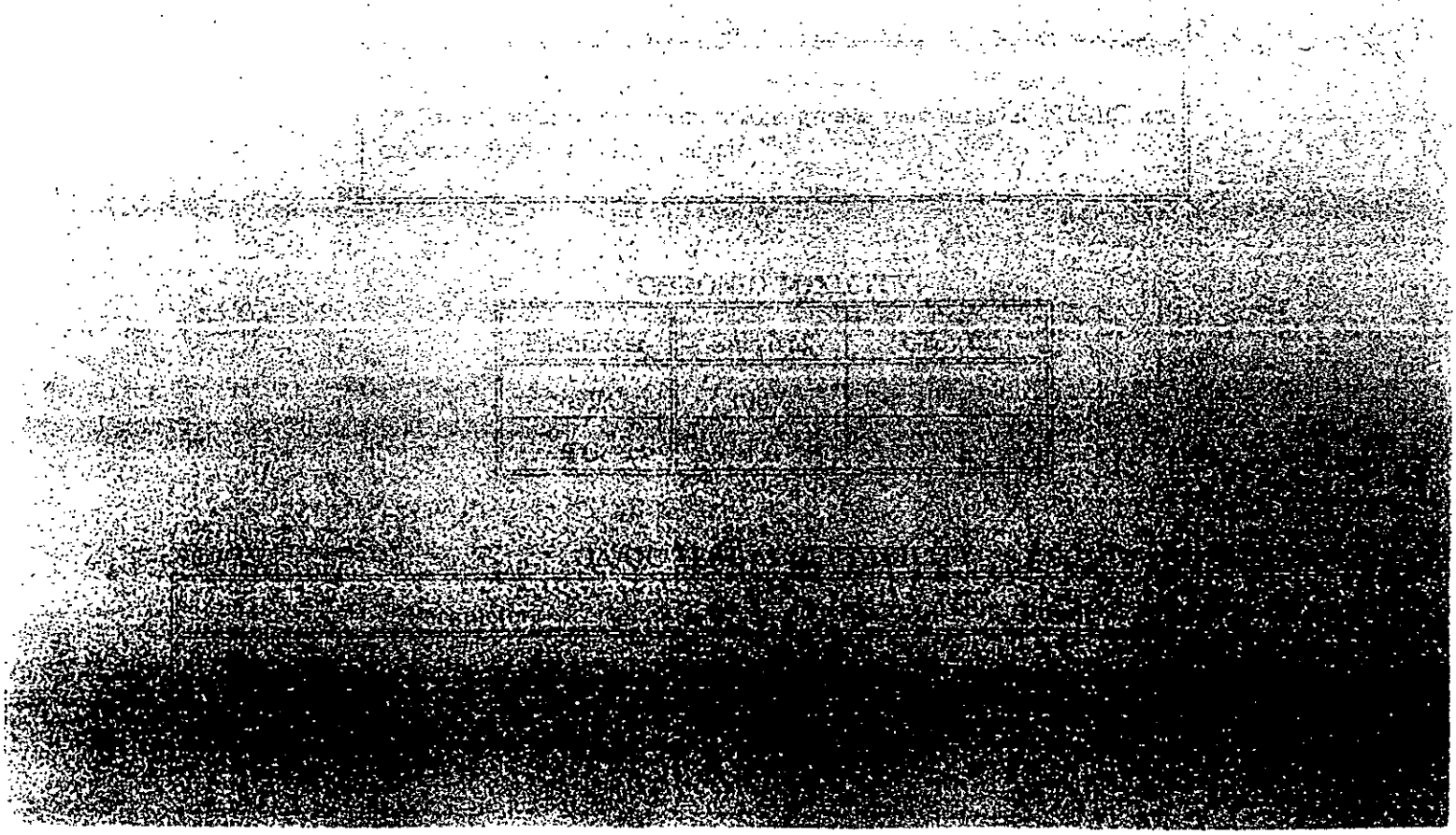
RESULTS

LC50: >100 % 95% Confidence Limits: NA ≤ u ≤ NA %

Method: Probit NA Trimmed Spearman-Karber NA Graphical NA TUa: 0

FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

- *Test and Result Summary*
- *Data Summary and Statistical Analysis*
- *Raw Test Data: Water Quality & Test Organism Measurements*



FATHEAD MINNOW LARVAE CHRONIC BIOASSAY
EPA METHOD 1000.0

Lab No.: A-01072708-001
Client/ID: Del Mar IKG0960-01

Date Tested: 07/27/01 - 08/03/01

TEST SUMMARY

Species: *Pimephales promelas.*
Test type: Static renewal (90% daily).
Age: < 24 hrs.
Test chamber size: 600 ml.
Number of larvae per chamber: 10.
Dilution water: Mod.hard reconstituted (MHRW).
Temperature: 25 +/- 1°C.
Statistics: ToxCalc computer program.

Source: In-lab culture.
Endpoints: Survival and Growth.
Food:.15ml brine shrimp nauplii 2X daily.
Test solution volume: 250 ml.
Number of replicates: 4.
Test duration: 7 days.
Photoperiod: 16/8 hrs. light/dark cycle.
QA/QC Batch No.: RT-010727.

RESULTS SUMMARY

Sample Concentration	Percent Survival		Mean Weight of Larvae (Biomass)	
Control	87.5%		0.309 mg	
6.25%	80.0%		0.317 mg	
12.5%	82.5%		0.318 mg	
25%	71.2%		0.314 mg	
50%	85.0%		0.337 mg	
100%	82.5%		0.332 mg	

* Statistically significantly less than control at P = 0.05 level
** Growth data from concentrations greater than survival NOEC are excluded from statistical analysis.

CHRONIC TOXICITY

Parameter	Survival	Growth
NOEC	*100%*	*100%*
TUc	1.0	1.0

QA/QC TEST ACCEPTABILITY

Parameter	Result
Average Control Survival ≥80%	Yes (87.5%)
Average Dry Weight of Control ≥0.25 mg	Yes (0.351 mg mean weight)

HAZARDOUS MATERIALS MANAGEMENT UNIT
ABANDONED UNDERGROUND TANK REPORT

EST. # H02651
P.C. # AT 1124

[X] YES FIRE AGENCY [ ] NO
FIRE AGENCY PERMIT # _____
JURISDICTION _____
PHONE _____
C.G.I. 1% LEL

OF TANKS TO BE ABANDONED FOUR PHONE _____
SITE NAME/ADDRESS LA MESA RV 7601 ALVARADO RD ZIP 92041
CONTRACTOR BOB ALM PHONE 561-6048

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
1. Tank ID #					
2. U/L #					
3. Capacity (Gallons)	550 G	550 G	550 G	2000 G	
4. Material Stored	W.O.	NEW OIL	NEW OIL	REG LEADED	GAS
5. Decontamination:	YES	→	→	→	
Manifest Available?	YES	→	→	→	
6. Tank Inerting: (CGIRDS)	YES	→	→	→	
Dry Ice/Nitrogen (Qty)	10 lbs	→	→	30 lbs	
7. Tank Condition (Holes)	HOLES BOTTOM	HOLES BOTTOM	HOLES	HOLES	
8. Condition of Back Fill & Type	SAND/SOIL DISCOLORED	→	→	SAND/SOIL DARK/GAS	ODOR
9. Condition of Native Soil/Type	CLAY COBBLES	→	→	→	
10. Odors From Excavation?	NONE	→	→	GAS	
11. Ponded Product?	NOT	OBSERVED	→	→	
12. Ground Water Contamination	SLIGHT ?	→	→	→	
13. Tank Closure in Place	NO	NO	NO	NO	
14. Pipeline Leak Evident?	NO	NO	NO	NO	
15. Reinspection Required?	NO	→	→	→	
16. Reinspection Receipt Available?	N/A	N/A	N/A	N/A	

REMARKS:
1) TANKS CLEANED BY TRIAD - TAKEN TO NELCO.
2) GROUND WATER OBSERVED AT ≈ 7' IN TANK HOLES.
3) OIL TANKS ALL HAD NUMEROUS HOLES ON THE BOTTOM
4) TANKS TO GO TO PACIFIC STEEL.
5) GAS TANK HAD MANY HOLES ON BOTTOM.

NOTICE: *You are hereby notified that on* 2/22/88, DOUG LIPERA, Hazardous Materials Specialist of County Department of Health Services, conducted an inspection for the removal and/or abandonment of underground storage tanks of hazardous substances. A summary of conditions found is noted as follows: FOUR

[ ] No indication of soil or groundwater contamination apparent this date. Excavation may be backfilled.

[X] The conditions noted below must be reported and corrected in accordance with Chapters 6.5 and 6.7 of the *California Health and Safety Code and Chapters 9 and 10 of the San Diego County Code.*

[ ] Hazardous substance/waste is ponded in the excavation. Immediately take steps to remove the ponded hazardous liquid from the excavation. This liquid is a hazardous waste that shall be properly transported, under manifest, by a licensed hazardous waste hauler to a licensed recycling or disposal facility.

[X] *Contaminated soil and/or contaminated groundwater is suspected in the excavation. Determining the* extent and impact of this contamination and completing any required clean-up is the responsibility of the tank owner/operator. Within 5 work days, the tank owner/operator or his agent must submit a written UNAUTHORIZED RELEASE REPORT to the Department of Health Services including all of the following information that is known at the time of filing the report:

a. Describe the type, quantity and concentration of the hazardous substance released.
b. Provide the results of all investigations completed at this time to determine the extent of soil, groundwater, or surface water contamination due to the release.
c. Describe the method of cleanup implemented to date, proposed cleanup actions, and approximate costs of actions taken to date.
d. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water. (If any contaminated soil/water is hauled off-site, include copies of the hazard waste manifests).
e. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of proposed activity schedule.

Subsequent mitigation actions will be discussed upon review of the submitted Report and consultation with other appropriate agencies.

- REFER TO REVERSE SIDE FOR ADDITIONAL INFORMATION/REQUIREMENTS -

Received by [signature]
Phone # 561-6048

[signature] Hazardous Materials Specialist Signature

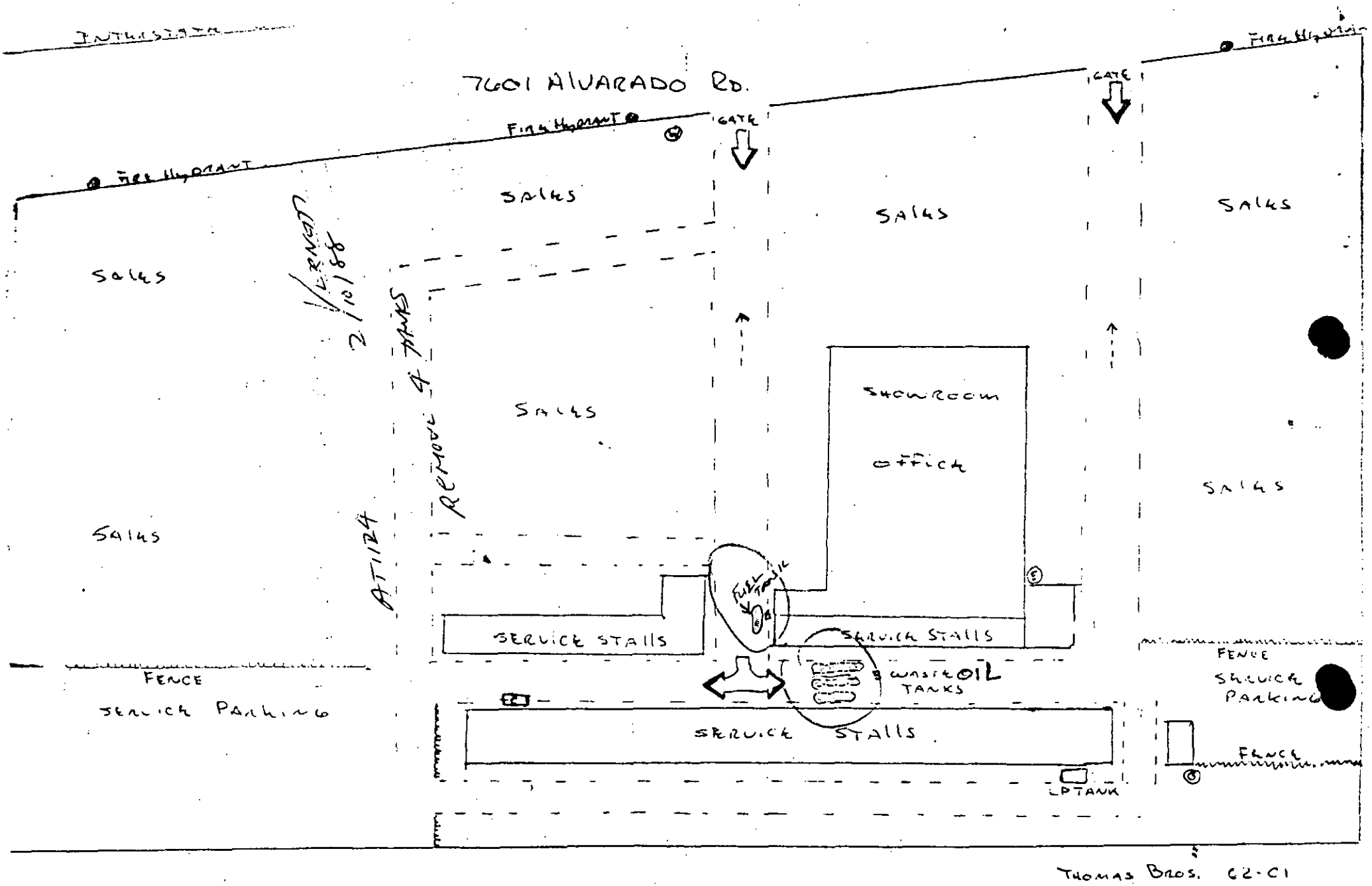
County of San Diego
Department of Health Services
HMMU - 1700 Pacific Highway
San Diego, CA 92101-2489
(619) 236-2222

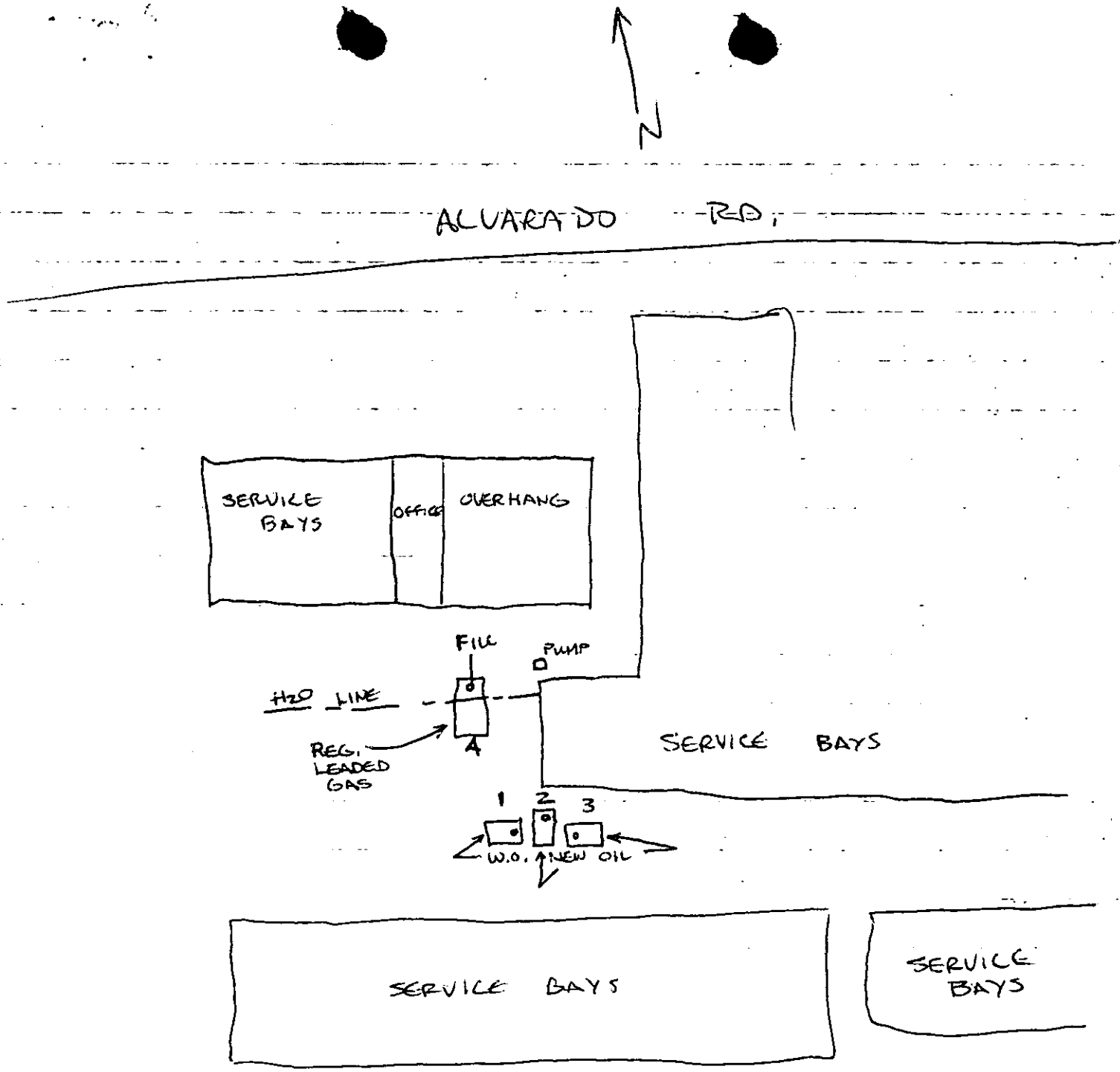
DHS:HM-9160 (11/86)

Field Observations and Notes:

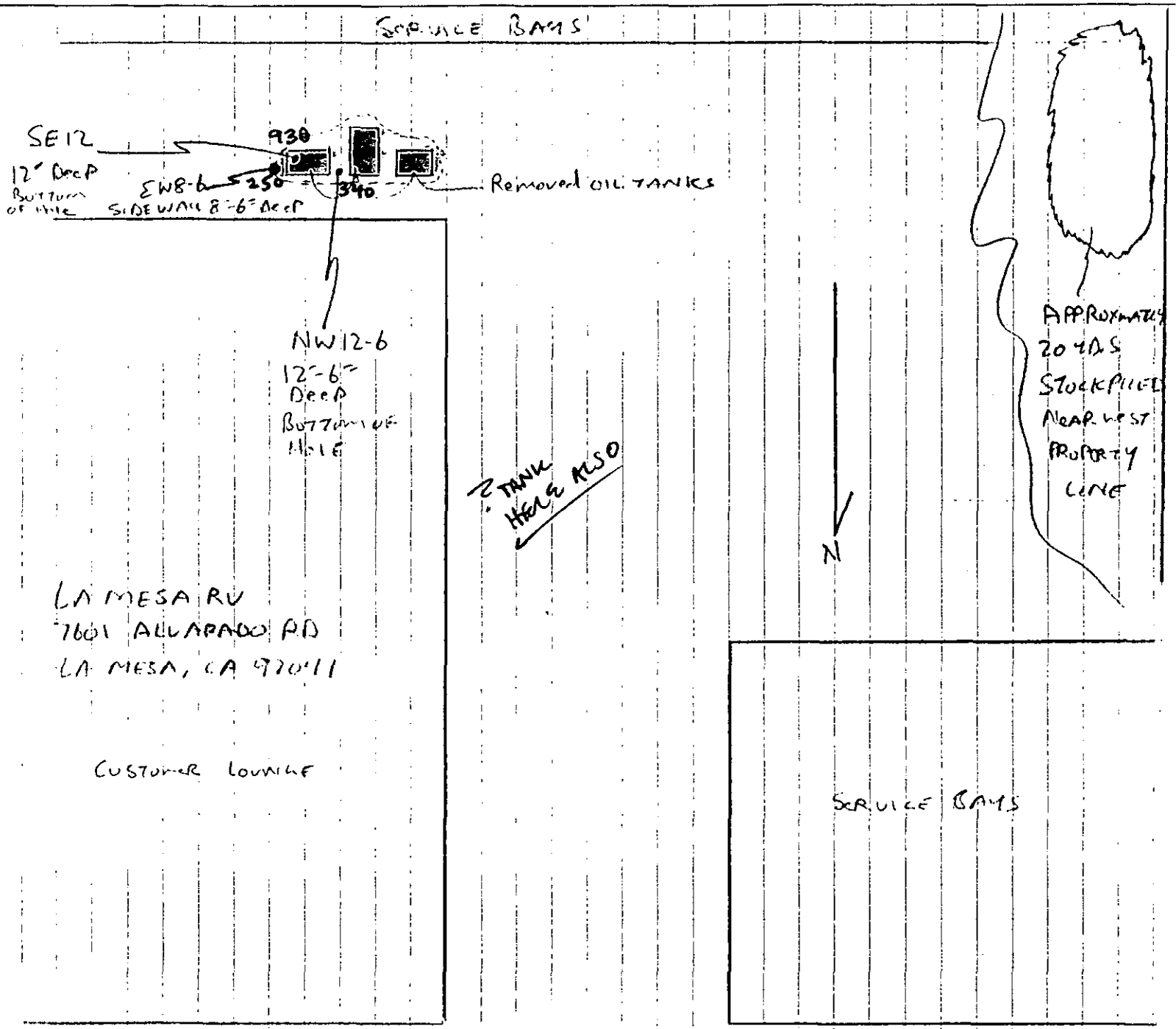
1. Type of hazardous substance released: GASOLINE, W.O., PROD. OIL
2. Is hazardous substance ponded? NOT APPARENT Estimated amount _____
3. Is amount of hazardous substance release known? NO Estimated amount _____
4. Estimated depth to groundwater ≈ 7'
5. Is there an existing or potential beneficial use of the groundwater identified in the Basin Plan? YES
6. Soil conditions:
   a. Is backfill discolored? YES Estimated amount _____
   b. Is backfill saturated? NO Estimated amount _____
   c. Is native soil discolored? SOMEWHAT Estimated amount _____
   d. Is native soil saturated? NO Estimated amount _____
   e. Type of native soil (sandy, clay, etc.) CLAY W/ COBBLES
7. Description of odors from excavation MODERATE GAS
8. Condition of tank (holes, corrosion, deteriorated wrapping, etc.) _____
   ALL TANKS HEAVILY CORRODED WITH MANY HOLES ON THE BOTTOM FROM PINHOLES TO 1/2" - 3/4" IN DIA.
9. Pipeline leak evident? NO
10. Nearby underground vaults or utilities or basements? (Specify) _____
11. Nearby water wells or surface waters? NO
12. Other comments/observations: _____
    SEE ATTACHED DRAWING.

DHS:HM-916 (3/87)


7601 ALVARADO RD.
INTERSTATE
FIRE HYDRANT
GATE
SALES
SALES
SALES

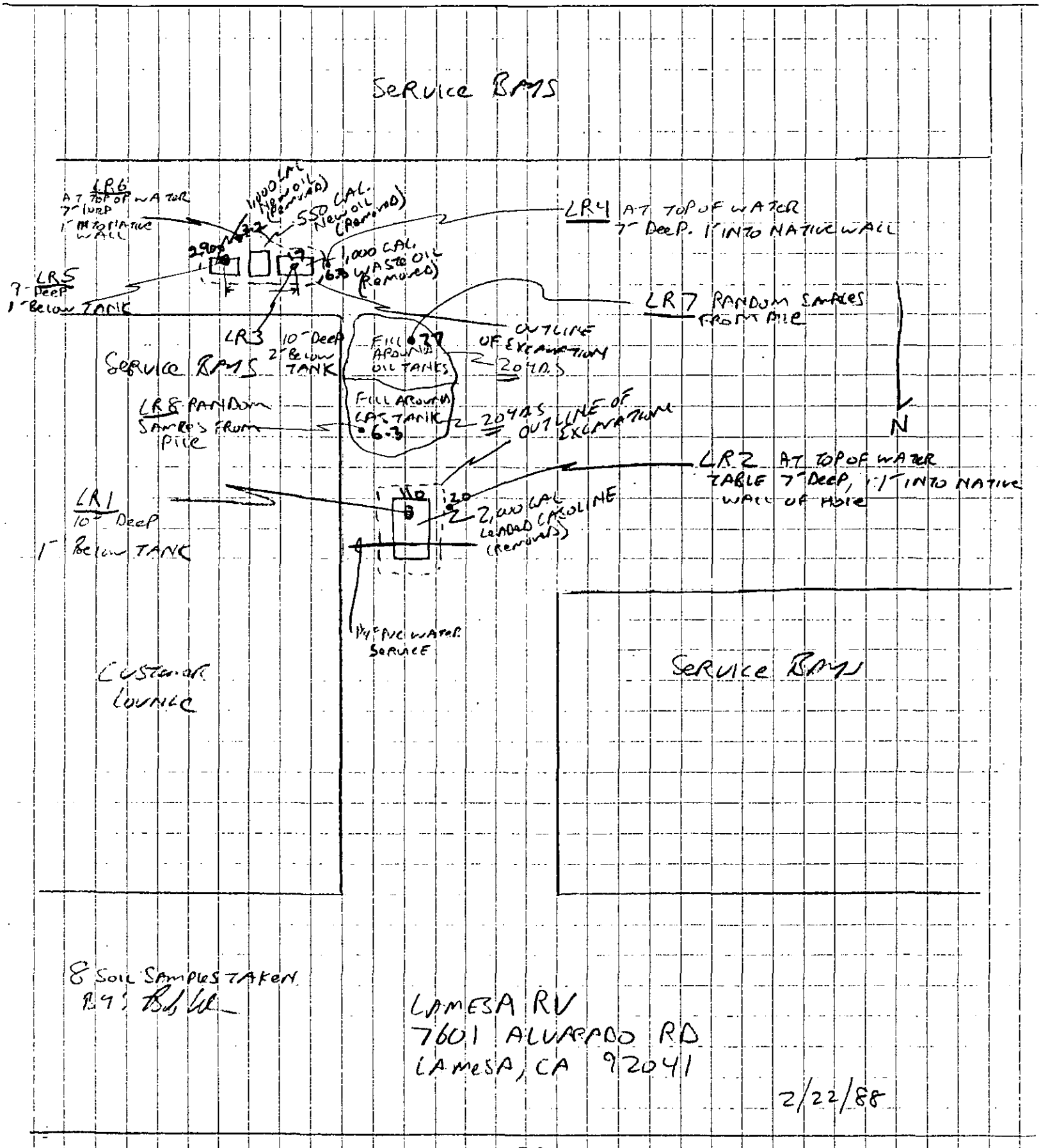

N
ALVARADO RD.
SERVICE BAYS
OFFICE
OVERHANG
FILL
PUMP
H2O LINE
REG. LEADED GAS
4
SERVICE BAYS
1
2
3
W.O.
NEW OIL
SERVICE BAYS
SERVICE BAYS

ALM SERVICES
P. O. BOX 2354
LAKESIDE, CALIFORNIA 92040
619 - 561-6048



SITE PLAN SHOWING SOIL SAMPLE LOCATIONS
SAMPLE DATE 5/14/88
BY: B. AL—

ALM SERVICES
P. O. BOX 2354
LAKESIDE, CALIFORNIA 92040
619 - 561-6048



QUALITY ASSURANCE LABORATORY
CHAIN OF CUSTODY

COMPANY: ALM Services

PROJECT NAME/NUMBER: LA MESA-RV 7601 ALVARADO RD LA MESA, CA 92041

Q.A. LOG NUMBER: 2003-88 TO 2010-88

SAMPLE ID	DATE OF SAMPLE	SAMPLE LOCATION	CONT TYPE	SAMPLE TYPE	ANALYSIS REQUIRED	COMMENTS
LR1	2/22/88	GAS 10'	GLASS	Soil	will phone in	TEH (mod 8015) ON 6/K SAMPLES
LR2		GAS, 7'				BTX, (8020) on highest
LR3		OIL 10'				
LR4		OIL 7'				418.1 on oil samples
LR5		OIL 9'				BTX, 8010, PCB on
LR6		OIL 7'				highest sample
LR7		OIL PILE				
LR8		GAS PILE				

SEND RESULTS TO ATTN: BOB

PHONE #: 561-6048

MAIL TO: 8778 BURKSHIRE PL.
LAKESIDE, CA 92040

RELINQUISHED BY	DATE/TIME	RECEIVED BY
[signature]	2/22/88 12:30PM	[signature]
RELINQUISHED BY	DATE/TIME	RECEIVED BY
RELINQUISHED BY	DATE/TIME	RECEIVED BY

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

FOR HMMU USE:
Plan Check # AT1124
Date Received 2/4/88
Fee Paid 2/4/88
Plan Approval 2/10/88
Estab # H02651
Hydro Unit 71
Benef. Use 963

A. SITE ADDRESS: 7601 Alvarado Rd. (Street) La Mesa (City) 92041 (Zip Code)

B. PROPERTY OWNER:
Company La Mesa RV Center Contact Jim Buckner
Mailing Address 7601 Alvarado Rd. City La Mesa Zip 92041
Phone (619) 462-5660
24 Hr. Emergency Contact Jim Buckner Phone ( ) 462-5660

C. TANK OPERATOR:
Company La Mesa RV Center Contact Jim Buckner
Mailing Address 7601 Alvarado Rd. City La Mesa Zip 92041
Phone ( ) 462-5660
24 Hr. Emergency Contact Jim Buckner Phone ( ) 462-5660

D. CONTRACTOR:
Primary Contractor ALM SERVICES Contact Bob Alm
Mailing Address 8778 Burkshire Pl City Lakeside Zip 92040
Phone (619) 561-6048
State Contractor License No. 464087
Worker's Compensation Insurance Company Travelers Phone (619) 443-9181
Check Here if Owner/Builder: ☐

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS:

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Unit, Room 311, 1700 Pacific Highway, San Diego, CA 92101. Checks should be made payable to the County of San Diego.

A permit will be issued by the Department of Health Services (DHS) upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in this application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit has been issued.

Once the permit has been issued, it is the permittee's responsibility to notify the DHS at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III and IV).

F. Indicate the Company/Person you wish to have our plan check comments directed to by circling the appropriate section letter above or if different enter below.

G. PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE (TABLE H.)	CODES FOR OFFICE USE ONLY
[ ] Installation/Construction of new tank(s) only (without removing/abandoning any existing tanks.)	I & II	1	NT
[ ] Removal/Destruction of existing tanks with installation of new tanks (tank replacement).	I, II & III	1 & 2	NR
[X] Removal/Destruction of existing tank(s) with no new tank installation.	I & III	2	AT
[ ] Removal only of one tank less than 1000 gallon with no new tank installation.	I & III	4	AT
[ ] Repiping of an existing tank facility.	I & II (Sections E thru N Only)	3	NM
[ ] Interior coating of an existing tank facility.	I & IV	1	NM

H. FEES: The fees shown below cover plan review and approval and the required field inspections. Use the appropriate Fee Code as determined in Section G above.

Fee Code

[1] Base fee for one tank ($372) Fee: $ _____

Fee for additional tanks ($102 each) Fee: $ _____

[2] Fee to abandon 1 tank ($156) Fee: $ 156.-

Fee for additional abandoned tanks ($78 each) Fee: $ 234.-

[3] Fee per Facility ($312) (Repipe Only) Fee: $ _____

[4] Fee to remove only one tank less than 1000 gallons ($65) Fee: $ _____

TOTAL FEE: $ 390.-

CASH _____ CHECK # 2821

I. PERMITS REQUIRED BY OTHER AGENCIES:

Application #'s:
Fire Dept. ✓ APCD _____ Bldg. Dept. _____ Cal OSHA _____ Other _____

Provide copies of approved applications from other agencies requiring permits for this project.

- END OF PART I -

County of San Diego
Department of Health Services

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PART III

APPLICATION FOR PERMIT TO ABANDON

Complete all sections of Part III. If information is not known or applicable please indicate on application.

A. Total number of tanks to be abandoned 4

B. Tank Information - Complete the following information for each tank to be abandoned. Attach additional sheets as necessary.

Tank Number (Label tanks on plot plan to correspond to application)		1	2	3	4
Tank Capacity (gallons)		2000 gas	550 waste oil	550 waste oil	550 waste oil
Date Tank Installed		unknown	unknown	unknown	unknown
Tank Composition (Steel, Fiberglass, Fiberglass Coated Steel, Concrete, etc.)		steel	steel	steel	steel
Tank Manufacturer		unknown	unknown	unknown	unknown
Tank Presently in Use? (Yes-No)		no	yes	yes	yes
Materials Stored in Tank	Material: dates:	GAS ? to	w/o ? to 88	w/o ? to 88	w/o ? to 88
	Material: dates:	to	to	to	to
Has Tank System Leaked? (Yes, No, Not Known)	Tank	unknown	unknown	unknown	unknown
	Piping	"	"	"	"
Basis of determination (Inventory records, tank system testing/monitoring, environmental monitoring)			FAILED PRESISION TESTS ON 11/18/86		
Is any part of the system cathodically protected? (Yes-No-Not Known)					
	Tank	no	no	no	no
	Piping Lines	"	"	"	"
Piping materials					

C. PREVIOUS OWNERS AND [redacted]RS OF THE TANK(S):

Dates	[redacted]ner/Operator

D. Approximate depth to groundwater: unknown

Basis of Determination: _____

E. Proposed method of abandonment: |XX| Removal |___| Destruction in place

NOTE: Removal of the tank(s) is the preferred method of abandonment. Destruction of the tank in place, for example, by filling with an inert substance, will only be considered in special cases upon submittal of additional information to determine the risks and hazards of contamination. Additional information required includes recent tank testing results, soils data, special site characteristics and approval from the local Fire Department.

F. Future use/disposal site of tank: scrap

G. ATTACH A PLOT PLAN ON 8-1/2" x 11" paper showing the following:

1. Property Lines, Site Address, Scale, North Arrow
2. Location of 100 year flood plain, if applicable
3. Location of all existing and proposed structures
4. Location of all existing and proposed underground storage tank facilities
5. Location of underground tank(s) to be abandoned (number tanks to correspond to application)
6. Location of underground utility lines and vaults

H. REQUIRED INSPECTION - PERMIT TO ABANDON

A representative of the Department of Health Services (DHS) must be on site at the time the tank(s) is removed from the ground to evaluate the condition of the tank and the surrounding soil and/or groundwater. Any evidence of an unauthorized release of a hazardous material from the tank will require the submittal of additional information by the permittee to the DHS.

When a permit has been issued by the DHS to destroy a tank in place, the DHS will inspect to verify that the tank has been properly emptied and purged of all hazardous materials immediately prior to filling with an approved inert substance.

I. I declare that to the best of my knowledge and belief the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Department of Health Services.

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for future development (e.g., soil compaction testing) are in addition to the requirements of the Department of Health Services.

I will notify the Department of Health Services at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of San Diego.

Signature & Title [signature] OPERATIONS MGR

Print Name MARK CRAIG

Telephone ( ) 561-6048 Date 2-9-88

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P O BOX 85261
SAN DIEGO CA 92138-5261
(619) 236-2222

OFFICIAL NOTICE

March 21, 1988
Jim Buchanan
La Mesa RV Center
7601 Alvarado Road
La Mesa, CA 92041

RE: UNAUTHORIZED RELEASE #T 1H02651
7601 Alvarado Road La Mesa, CA

Dear Mr. Buchanan:

Information provided to this Department by inspector during Tank Removal indicates that the underground hazardous substance storage facility at the location referenced above has experienced an Unauthorized Release (leak).

The conditions created by the Unauthorized Release must be reported and corrected in accordance with Sections 25295 and 25297 of Chapter 6.7 of the California Health and Safety Code (H&SC) and Section 2652, Subchapter 16, Chapter 3, Title 23 of the California Administrative Code (CAC), and Chapter 6.5 of the H&SC and Title 22 of the CAC.

As the owner/operator of the underground storage tank, it is your responsibility to:

1. Take immediate action to prevent further unauthorized release;
2. Determine the extent and impact of the unauthorized release;
3. Submit a written Unauthorized Release Report to this Department within five workdays of receipt of this Notice;
4. Complete and distribute within five workdays the enclosed State Water Resources Control Board's "Underground Storage Tank Unauthorized Release(Leak)/Contamination Site Report";
5. Submit supplemental report as required to update the initial report; and,
6. Complete any site mitigation (cleanup) required.

The Unauthorized Release Report must address all six Elements listed on the reverse side of this Official Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Please note Item G concerning responsibility for payment for staff time expended on the investigation.

Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

Please call me at (619) 236-2222 if you have any questions regarding this Official Notice.

Sincerely,

Hazardous Materials Specialist

Enclosure

cc: RWQCB

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101

DIVISION OF ENVIRONMENTAL HEALTH PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

DATE: March 21, 1988

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Unit (HMMU)

SUBJECT: UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T# 1402651

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address: 7601 Alvarado Rd. (Street) | La Mesa (City) | 92041 (Zip Code)

Property Owner: La Mesa RV Center (Jim Bucknes) (Name)

Per Permit: 7601 Alvarado Rd. (Street) | La Mesa (City) | 92041 (Zip Code)

Telephone (619) 462-5660

Tank Operator: La Mesa RV Center (Name) | 462-5660 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s) Leaking Tank System

Amount Released unk (Gallons) unk (Time Period)

Release Detected By:

- ___ Routine Tank Testing
- ___ Test of Piping
- ___ Inventory Audit
- ___ Monitoring Device/Well
- ✓ Evidence of Soil Contamination Detected During Tank Removal
- ___ Evidence of Leaky Tank Detected During Tank Removal
- ___ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). 3-550 gallon steel - Waste oil and 1 2000 gallon steel gasoline Tank.

Date Release Reported to or Detected by HMMU 3/22/88

Contact With Other Agencies _____

Additional Comments:

GW @ 7'

All Tanks w/ holes

Please call the HMMU at 236-2222 if you have questions or comments regarding the above.

HMMU Staff Darryl Fowler

DHS:HM-9010 (12/86)

MV

H02651-001

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 236-2222

OFFICIAL NOTICE

January 21, 1988

John Michand
La Mesa R. V. Center
7601 Alvarado Road
La Mesa, CA 92041

RE: UNAUTHORIZED RELEASE #T0427/H02651
7601 ALAVARDO ROAD, LA MESA

Dear Mr. Michand:

Your written supplemental report to update the Unauthorized Release Report for the site referenced above is PAST DUE. You are required to submit this report every two weeks to update the progress of activities at that site, in accordance with the provisions of the California Administrative Code, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652. The report was due November 1, 1986.

Please submit your written supplemental report to update the Unauthorized Release Report to this Department within five work days of receipt of this Notice.

If you have any questions on this matter, please contact me at (619) 236-2222.

Sincerely,

Mike Vernetti

MIKE VERNETTI
Hazardous Materials Specialist

MV:bfb

MEETING/PHONE/PEER REVIEW

RECORD

HO 2651-001
DATE: 12/3/91
TIME: 8:42
PAGE 1 OF 1
SPEC: MO. Lahsaie

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 462-5660 x250
Name: Jim Buckner

[] Peer Review — Name: La Mesa RV

TOPIC: Further S/A Work requirements

SUMMARY: A check w/ Mr. Buckner whether Mr. D. Eminhizer from Halliburton-NUS Co (451-2131) has been hired by La Mesa RV. To work on S/A because HMMD time on this case is chargable time Mr. Buckner confirmed w/ me that D. Eminhizer is working on this job. Next I called Dave Eminhizer & discussed the site history w/ him

12-6-91 at 9 AM Called Mr. Eminhizer & left a Ph. Message.

12-26-91 At 11 AM called Mr. Eminhizer 451-2131 & Discussed continuation S/AM activities at this site!!

12-27-91 Left a message for Mr. Jim Buckner at 9 AM

1-3-92 at 9 AM I called Mr. Jim Buckner & discussed S/AM requirements for this site. He is collecting bids for SB 2004 He has collected 2 & need one more He wanted to have meeting w/ HMMD & RWQCB The meeting was arranged for 1-10-92 at 11 AM

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING

☒ TELEPHONE CONVERSATION

DATE 9-17-91 TIME 1:30 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. ( ) 558-6100

☒ PERSON CALLING/CALLED Robert Johnston

☒ AGENCY REPRESENTED GeoCon

CONVERSATION/MINUTES** Left a Message for Mr. Johnston

9-18-91 at 11:05 Anita Broughton from GeoCon Called. I left a Message that she is in charge of this project & [redacted] She has Proposed drilling of 3 MWs at this site However the client is still seeking for financial help from state clean up fund.

9-20-91 Chris Tomlin from Horizon Company 444-9116 Called and informed me that He is working w/ GeoCon to do S/A work However if GeoCon doesn't start Soon? RP will Contract the Job to some other Consultant ? Dave Eminhizer Used to work w/ GeoCon on this Project He is No longer w/ GeoCon.

11-5-91 at 10:18 AM Mr. Dave Eminhizer From Halliburton-NUS Co. called to inform HMMD about their SAIM work for this site & we exchanged certain information in regard to this site 451-2131

NAME Mo. Lahsaie SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING

☐ TELEPHONE CONVERSATION

DATE 7-24-91 TIME 10:12 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. (619) 488-1455 / 558-6100

☐ PERSON CALLING/CALLED Robert Johnston

☒ AGENCY REPRESENTED GeoCon

CONVERSATION/MINUTES** Left Message for Mr. Johnston

7-29-91 @ 8:30 Left a message for Mr. Johnston

7-30-91 @ 3PM called Annita Broughton (returned her Ph. call) She asked HMMD requirement & some basic questions regarding SA/M Activities.

8-16-91 Ph. Conv. w, Jim Buckner (RP): wants to know what is involved if G.H2O has been impacted & 9 Also gave him Phone # for UST Cleanup Fund & low interest rate loan

NAME: Mo. Lahsaie SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

** A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

*** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

MEETING/PHONE/PEER REVIEW

RECORD

H 02651-001	
DATE: 6/12/91	
TIME: 1:12 PM	
PAGE 1 OF 1	
SPEC: MD.L	

(Check One)

☐ Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

☒ Telephone Conversation — Phone: (___) 462-5660
Name: Jim Buckner

☐ Peer Review — Name: La Mesa R.V.

TOPIC: Returned Jim's phone call & left a message

SUMMARY: Jim Buckner called @ 1:42 to inform me that Chris Tomlin is handling this site thru Geocon and They will start drilling the Borehole on 1st half of July.

Tifill

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

May 23, 1991

Mr. J. Buckner
La Mesa RV Center
7601 Alvarado Road
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
7601 ALVARADO ROAD, LA MESA, CA 92041

A review of the Hazardous Materials Management Division's (HMMD) files indicates that the unauthorized release issue associated with an underground storage tank at this site has not been resolved. The last activity on this site appears to be greater than three (3) months ago.

The California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Section 2652 (d) states that until cleanup is complete, reports shall be submitted to the local agency and the Regional Water Quality Control Board (RWQCB) every three months or at a more frequent interval if specified.

Within thirty (30) days of receipt of this letter, submit a written update report to the HMMD and the RWQCB summarizing the site activities and the proposal for any further work. Submit the updates at the frequency previously specified by the HMMD, not to exceed the minimum of every three months (October 15th, January 15th, April 15th, July 15th). Updates must be submitted until which time the unauthorized release is resolved.

Please be reminded that the State Water Resources Control Board (SWRCB) will bill the responsible party for all local agency time expended on the unauthorized release investigation. Site assessments and remediation activities completed in a comprehensive and timely manner may minimize the amounts billed by the SWRCB.

Please contact Mo Lahsaie, Hazardous Materials Specialist, at (619) 338-2256, if you have questions regarding this matter.

Sincerely,

Darryl Fowler

DARRYL FOWLER, Hazardous Materials Specialist
Hazardous Materials Management Division

DF:cmc

cc: James Munch-RWQCB
Mo Lahsaie-HMMD

WP\T0427

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING

☒ TELEPHONE CONVERSATION

DATE 4-10-91 TIME 10:30 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. (619) 292-8030

☒ PERSON CALLING/CALLED Steve Kwik

☐ AGENCY REPRESENTED Leighton & Associates

CONVERSATION/MINUTES** Steve said that La Mesa R.V. still has not decided whether to keep Leighton as their consultant. and He will submit their proposal to R.V. Center by next week. I told Steve that HMMD Generally Agrees w/ his proposal (dated April 9, 1991) about the location of Borings. However HMMD doesn't Agree w/ the 3rd paragraph until we see a complete site Assessment for this site & reminded him to Apply for Boring/well Permits

5-6-91 I called Steve Kwik to Follow up on 4-10-91 Phone Conversation " & left a message @ 11:18

@ 12:19 Steve left a Message for me & @ 3:18 I tried to call him back: Steve mentioned that He has not received any response from client However. He will call them and will Notify me later

@ 4:12 Steve called to say that the client is still awaiting for 2nd bid and will decide shortly whether they choose Leighton or not.

NAME M.O. Lahsaie SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX.

☐ MINUTES OF MEETING

☐ TELEPHONE CONVERSATION

DATE 2-8-91 TIME 2:00-2:18 LOCATION HQ

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. (619) 462-5660

☐ PERSON CALLING/CALLED Jim Buckner

☐ AGENCY REPRESENTED La Mesa RV center

CONVERSATION/MINUTES** Told him that HMMD have Not received any investigative report from him & he Needs to do SA/M process. He has not have any Consultant up to this date. I told him that I will send him the S/A checklist & list of consultant.

3-6-91 Steve Quick From Layton & Associates called to gather some info regarding this site (292-8030) ← Steve's #

3-14-91 Chris Tomlin ~~444-9116 Horizon voice company~~ called to see if he can help Jim Buckner. I told him that Chris is a contractor and the SA/M work needs to be done by someone that has registered Geologist/Profession He agreed and said that he will call Buckner and discuss it w/ him.

NAME M.O. Lahsaie SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

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** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

MEETING SIGN-IN SHEET

DATE: 1-10-92 SUBJECT: LA Mesa RV H02651-001

NAME	AGENCY REPRESENTING	PHONE NUMBER
Mo. Lahsaie	HMMD	338-2256
Jim Buckner	LA MESA RV	462-5660
Dave Eminhizer	HALLIBURTON NUS	451-2131
Darryl J Fowler	HMMD	338-2371
Jim Munch	CRWQCB-SDR	

LA MESA RV CENTER
World's Largest RV Dealer.

JIM BUCKNER
Director of
Fixed Operations

Bus: (619) 462-5660
7601 Alvarado Road at
Hwy. I-8 & Fletcher Parkway
P.O. Box 1670
La Mesa, CA 92044-0325

HALLIBURTON NUS
Environmental Corporation

DAVID A. EMINHIZER
SITE MANAGER
WESTERN REGION

16885 WEST BERNARDO DRIVE
SUITE 100
SAN DIEGO, CALIFORNIA 92127
(619) 451-2131
(619) 451-1770 FAX

Environmental
Technologies Group

DHS:HM-9048 (1/90)

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

August 5, 1992

OFFICIAL NOTICE

James Buckner 462-5660
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER
7601 ALVARADO RD., LA MESA, CA 92041

A review of the Hazardous Materials Management Division's (HMMD) files indicates that there has been no site assessment report submitted since the tanks were removed February 22, 1988. As the responsible party, you are required to take corrective action in response to an unauthorized release in accordance with the California Health and Safety Code, Chapter 6.75, Article 4, Section 25299.37 (a-c).

The HMMD letter to you dated January 16, 1992 states that the work plan you submitted was approved. The HMMD has not received any update reports that document completed or projected site assessment and mitigation activities. Your update report is **PAST DUE.**

In the HMMD letter to you dated May 23, 1991 you were instructed to submit update reports at a minimum of every 90 days. Until such time as the HMMD considers this case resolved, the HMMD will require that you submit an update report every 30 days in accordance with the provisions of the California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652 (d).

Additionally, you can not use the information from the old stockpiled soil data to characterize conditions on site. The disposal of the old stockpiled soil does not constitute significant progress towards defining the extent of contamination on-site. You

are required to perform a complete site assessment and any required remediation in order to protect the public health and the environment.

Please submit your written update report describing current and anticipated site activities. The report must contain conclusions and recommendations based on current site conditions. If further site assessment or remediation activities are necessary, you must submit a work plan outlining those activities. The update report is due within ten working days of receipt of this notice.

If you have any questions on this matter, please contact me at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:cl

cc: James Munch, RWQCB

WP\LAMESA.RV1

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

July 24, 1992

NOTICE OF REIMBURSEMENT RESPONSIBILITY

Fredna Gustavson
c/o: La Mesa RV Center
7601 Alvarado Rd.
La Mesa, Ca 91941

Dear Ms Gustavson:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 91941

This letter is to notify you of the billing procedure for the unauthorized release (leak) investigation at the above referenced underground storage tank site. The County of San Diego is under contract with the State Water Resources Control Board (SWRCB) to oversee the investigation and remediation (clean-up) of unauthorized releases. All costs incurred on this case by the Hazardous Materials Management Division (HMMD) are being invoiced to the SWRCB who will bill you.

A previous reimbursement notification may have been sent regarding this site. If this case is resolved, please retain this letter with your records. Active cases should be resolved in a prompt and effective manner to help minimize the amount billed by the SWRCB.

The HMMD has identified the following party(ies) as being responsible for the implementation of the environmental investigation and cleanup of this Unauthorized Release:

Fredna Gustavson 1100 Westwood Rd. Santa Cruz, CA 95060	La Mesa RV Ctr 7601 Alvarado Rd. La Mesa, CA 91941	Fredna Gustavson c/o: La Mesa RV Ctr. 7601 Alvardo Rd La Mesa, CA 91941

The California Health and Safety Code (HS&C) Chapters 6.7 and 6.75 requires the tank owner, tank operator, property owner or other responsible parties to take corrective action in response to an Unauthorized Release. The California Code of Regulations (CCR), Title 23, Division 3, Chapter 16, Underground Storage Tank Regulations provides the release reporting and initial abatement requirements.

With regard to the contract, the SWRCB requires the HMMD notify you of the following:

> *"Whereas the federal Petroleum Leaking Underground Storage Tank Trust Fund provides funding to pay the local agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the*

cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the federal Trust Fund; and Whereas the above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the Health and Safety Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board the following:

FOR all direct and indirect costs incurred by any and all state and local agencies while overseeing the cleanup of the above referenced underground storage tank site (prior to January 1, 1991); FOR not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site (beginning January 1, 1991); and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board."

The Underground Storage Tank (UST) Cleanup Fund provides funding to eligible responsible parties for corrective action and third party liability costs resulting from the unauthorized release of petroleum hydrocarbons. For more information on the UST Cleanup Fund, please contact the SWRCB at (916) 739-2475.

If you have any questions concerning this Notice, please contact the undersigned at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:hd

cc: Sandra L. Malos, State Water Resources Control Board
James Munch, San Diego Regional Water Quality Control Board

CURRENT CASE STATUS: ☐ RESOLVED ON ☑ ACTIVE

MONTH/ YEAR

WP\T0427

MEETING/PHONE/PEER REVIEW

RECORD

H02651-001	
DATE: 4/1/92	
TIME: 8:42	AM TO 10:00 AM
PAGE 1 OF 1	
SPEC: Mo.L	

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 451-2131
Name: Dave Eminhizer

[] Peer Review — Name: La Mesa RV

TOPIC: Stockpile Analysis update

SUMMARY: There are four St. Piles that generated

① old pile = 20 y^3 4 yrs old covered & is on asphalt Pave cons from gas tank Excavation 3 samples All N.D.

② Overburden soil & soil between Two Excavation 70 y^3 4 samples 418.1 156, 82, 73, 312 This pile was from upgradient from gas tank

③ 90 y^3 From gas tank Excav. From old Excav. which went back to the original place were clean Fill 4 samples ND, ND, ND, 153.2

a. → ½ pile 6' Ht ½ is 3' Ht BTXE → B=1190 ppb E=1390 T=410
Sample from Excav had 980 ppm TPH B=ND, T=ND

④ From W. oil Excava 160–200 y^3 8 Samples collected Ht=7' (418.1) 2360, 4580, 2150, 2570, 4580, 1840, 2470, 156 8010, 8080, Metals can't go to class III,

one sample from oil Excavation 16000 PPM Metals
Methylene 492, TCE=256 PPB, 4DCB = 71

T83

MEETING/PHONE/PEER REVIEW

RECORD

HO 2651-001	
DATE: 3/16/92	
TIME: 3 : 42	PM
PAGE 1 OF 1	
SPEC: Mo. Labs	

(Check One)

[ ] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (619) 451-2131
Name: Dave Eminhizer

[ ] Peer Review — Name: Halliburton Nus

TOPIC: La Mesa RV SIA Update

SUMMARY: Dave called & update me on his SIA activities. He apparently has excavated the cont. soil in both Gasoline and W. end area & has removed 250 y^3 soil & even soil below H_2O table the G-H_2O looks impacted. Three St. Piles were generated Gasoline Pile, overburden & waste oil. He is planning to characterize all 3 piles before Disposal can be approved by HMMD. Two Excavation were connected & cross Contamination could have happen between both. we talked about remediation options & soil Lab analysis - He said one side wall Sample right above G-H_2O table had TPH = 980 PPM [redacted]. He said that his client wants to get rid of the stockpile as soon as possible.

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

January 16, 1992

Mr. James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
7601 ALVARADO RD., LA MESA, CA 92041

The proposed workplan for additional site assessment and remediation submitted by Halliburten Nus dated December 11, 1991 regarding the referenced site has been reviewed.

Based on the information within the workplan, this Department and the Regional Water Quality Control Board (RWQCB) finds the proposed scope of work acceptable.

Further site characterization and mitigation actions will be determined following evaluation of the written report and consultation with the RWQCB and other appropriate regulatory agencies.

If you have further questions, please call me at (619) 338-2256.

Sincerely,

M.A. Lahsaizadeh

MO LAHSAIE, Hazardous Materials Specialist
Hazardous Materials Management Division

ML:eas

cc: James Munch-RWQCB
David Eminhizer-Halliburton Nus

WP/T0427

MEETING/PHONE/PEER REVIEW

RECORD

H 02651 - 001
DATE: 1 / 15 / 92
TIME: 11 : 00
PAGE 1 OF 1
SPEC: MD. L

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 451-2131
Name: David Eminhizer

[] Peer Review — Name: Halliburton NUS

TOPIC: Work plan dated 12/11/91

SUMMARY: left a message for Dave Eminhizer. Dave called at 1:30 PM & I told him that the indicated items on Page 5 of his work plan must be included in the S/A work which is EPA 8080 & Metals For waste oil analysis and organic lead for gasoline contaminated soil must be added to their analysis

L.S.

ROBERT K. ROSS, M.D.
DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222
Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

December 9, 1993

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

The staff of the Site Assessment and Mitigation Division (SAM) have reviewed this case. This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the workplan dated November 24, 1993.

The workplan prepared by Dan Johnson/Environmental Business Solutions (EBS) covers one of the following phases of corrective action:

Interim Remedial Action	( )
Preliminary Site Assessment	(X)
Soil and Water Investigation	( )
Corrective Action Plan Implementation	( )
Verification Monitoring	( )

The workplan proposing to continue the soil and ground water investigation has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(X) approved with the following changes or conditions:

- The soil sample with the highest result for total petroleum hydrocarbons (TPH) must also be analyzed for volatiles by method 8020, and organic lead.

  The final report must include cross-sections of the soil contamination that depict the delineation achieved.

- The location proposed for MW-3 may not allow for accurate calculation of the ground water flow direction, based on the locations of wells MW-1 and 2 and the suspected local gradient to the north/northwest. It is recommended that well MW-3 be relocated to the east of sample points OES-15 and OES-6, approximately ten feet east of the edge of the previous excavation. This will also allow for lateral delineation of soil contamination in this area.

  However, there is still a requirement for lateral delineation of soil contamination in the vicinity of the previous location proposed for MW-3, i.e., to the south of OES-9 and OES-12. It is recommended that a soil boring, rather than a well, be placed at this location, in order to define the horizontal limits of soil contamination in this direction.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Chapter 6.75, Article 6).

Please submit a report describing the results of the activities described in the workplan to SAM and the Regional Water Quality Control Board (RWQCB) by January 30, 1994.

Please call me at (619) 338-2396, if you have any questions.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

LS:gl

cc: Vincente Rodríguez, RWQCB
Dan Johnson, EBS
Stephen Marsh, Luce, Forward, Hamilton, & Scripps

sam
ehs

November 29, 1993

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

LAMESA. RV 2

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427 / H02651-001
LA MESA RV CENTER
7601 ALVARADO RD., LA MESA, CA 92041

The staff of Site Assessment and Mitigation (SA/M) have reviewed this case. This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the workplan dated November 24, 1993.

The workplan prepared by Dan Johnson/Environmental Business Solutions (EBS) covers one of the following phases of corrective action:

Interim Remedial Action	( )
Preliminary Site Assessment	(X)
Soil and Water Investigation	( )
Corrective Action Plan Implementation	( )
Verification Monitoring	( )

The workplan proposing to continue the soil and ground water investigation has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(X) approved with the following changes or conditions:

The soil sample with the highest result for total petroleum hydrocarbons (TPH) must also be analyzed for volatiles by method 8020, and organic lead.

The final report must include cross-sections of the soil contamination that depict the delineation achieved.

p1642XScripps

ROBERT K. ROSS, M.D.
DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222
Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

October 26, 1993

OFFICIAL NOTICE

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER
7601 ALVARADO RD., LA MESA, CA 92041

Your written update report for the site referenced above is **PAST DUE**. You are required to submit this report in accordance with the provisions of the California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652 (d). The report should contain a brief summary of completed and projected site assessment and mitigation activities. You are required to submit an update report every 30 days.

As a reminder, in order to qualify for SB 2004 funds you must be in compliance with all underground tank laws. Your lack of compliance can affect your eligibility to receive SB 2004 funds.

As a responsible party, you are required to complete the investigation to define the horizontal and vertical extent of contamination at this site. You are required to complete this additional investigation as part of corrective actions in accordance with the provisions of the California Health and Safety Code, Chapter 6.75, Article 4, section 25299.37 (a-c).

The Site Assessment and Mitigation Division (SAM) requires that a work plan be submitted for approval of all additional activities at the site. You were previously requested to submit a workplan in the letter to you dated June 2, 1993; the workplan was due July 5, 1993.

Please submit your written update report and a workplan for the next phase of work on this site no later than November 29, 1993. Failure to do so may result in the initiation of enforcement action.

If you have any questions on this matter, please contact me at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

LS:cl

cc: Joe McWalters, RWQCB
Diana Romero, SWRCB

J. WILLIAM COX, M.D., Ph.D
DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
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(619) 338-2222
Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

June 2, 1993

OFFICIAL NOTICE

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001/LA MESA RV CENTER
7601 ALVARADO ROAD, LA MESA, CA 92041

Site Assessment and Mitigation (SA/M) staff have reviewed the Halliburton NUS report, dated August 28, 1992. Based on the information contained in the report, the extent of contamination of soil and groundwater has not been adequately defined. SA/M and the Regional Water Quality Control Board (RWQCB) require additional delineation of the soil and groundwater contamination. Please submit a proposed work plan for further site assessment activities. The work plan should specifically address the following:

- Investigate soil contamination in all areas, horizontally and vertically. Future sampling must follow SA/M guidelines for supplementary tests on waste oil-impacted samples. All additional samples must be analyzed for both Total Petroleum Hydrocarbons (TPH) and Total Recoverable Petroleum Hydrocarbons (TRPH).

- Provide a chain-of-custody for all of the samples designated "LMRV-OES", as well as copies of summary tables II and III, which were missing from the report. Please account for the discrepancy in total yards of soil stockpiled, versus the estimated number of yards of soil disposed of off-site, for which receipts have been provided.

- Describe the extent of ground water impact. Please refer to the SA/M manual for guidance on groundwater monitoring well

siting, design, installation, and sampling. You must provide a geologic explanation for the contaminant distribution in light of site geology, groundwater gradient, and contaminant source.

Please submit a work plan addressing the above points by July 5, 1993.

If you have any questions on this matter, please contact me at (619) 338-2396.

Sincerely,

L. Skinner

LARS SKINNER,Hazardous Materials Specialist
Site Assessment and Mitigation Division

cc: Joe McWalters, RWQCB

1993

Lars Skinner's file review notes

6/3 H02651-001 FILE REVIEW.

- 5-DAY RPT. RECVD., RWQCB NOTICE SENT.
- BENEF.-USE.
- NUMEROUS HOLES
- GW @ ~7' BG.

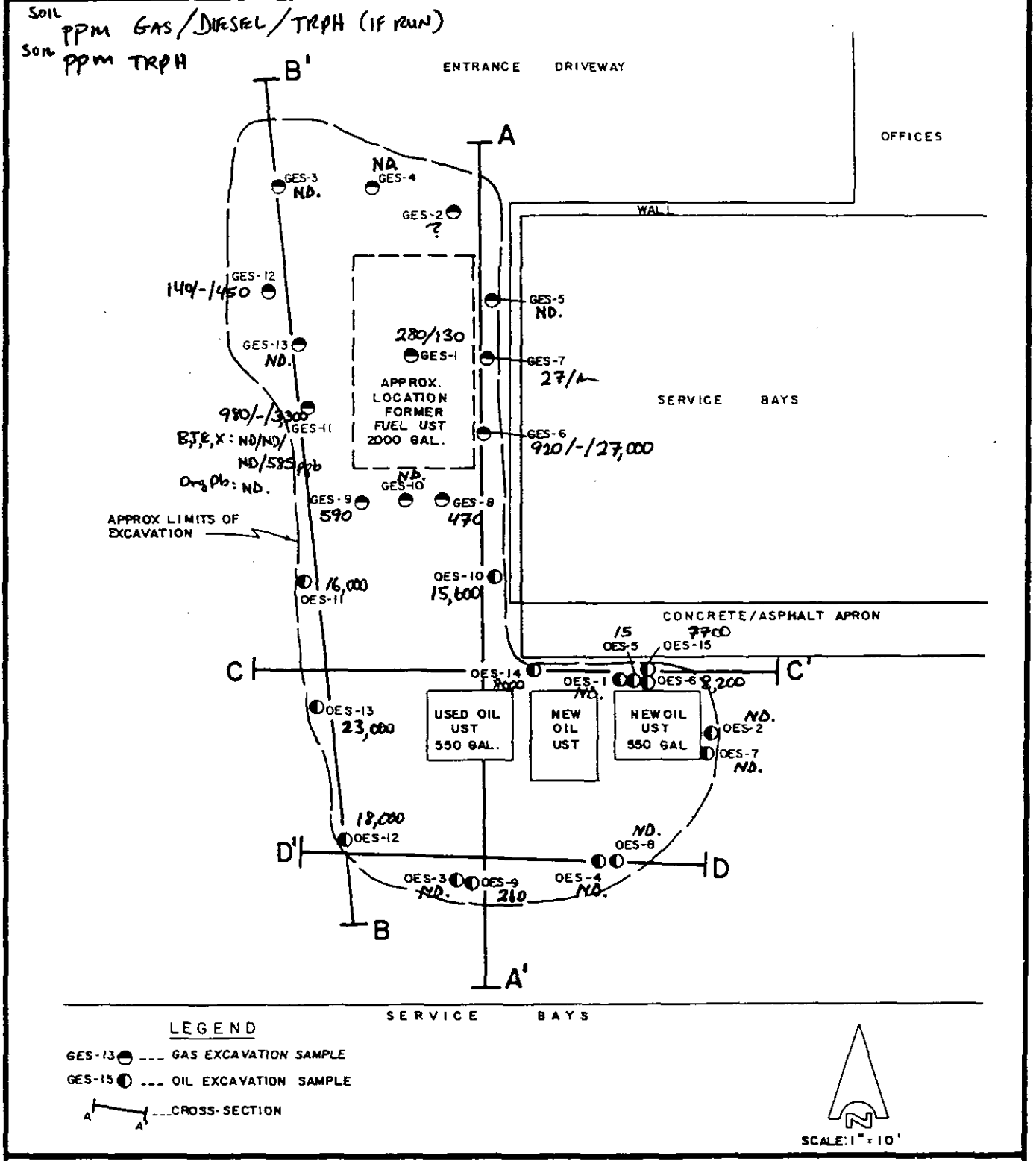
* SEE SITE MAP & PULL (DTD. 2/22/88) 1 2K GAS 3 550g. W.O.

- ALM SERVICES DID SAMPLING... POOR SAMPLING TECH., SAMPLE PRESERVATION. NO QA/QC.

- HMMD LTR 1-21-88 SENT: PAST DUE NOTICE.
- 6-3-88 ALM SERVICES LTR. TO HMMD.
  - EXCAVATED 20yds. ——→ DISPOSAL? - STOCKPILED.
  - "3 SAMPLES PER PLOT PLAN"? → SE-12 930, NW-12-6 340, EW-8-6 250] PP-TRPH
  - BACKFILLED W/ CLEAN FILL - RECEIPT?
- 2-8-91 Ph.Con: MO w/ JIM BUCKNER 462-5660 → DO SA-1
- 4-9-91 LEIGHTON & ASSOC. PROPOSAL → CALL & DISCUSS W/ CONSULTANT.
- 8-23-91 HMMD PAST DUE LTR.
- 8-28-91 MO. - SITE VISIT - TANKS BACKFILLED, COVERED W/ CONCRETE.
- 1-10-92 MEETING w/ RP., CON. (HALLIBURTON: DAVE EMINHIZER) 451-2131
- 12-11-91 HALLIBURTON PROPOSAL - IN GENERAL, LOOKS OK. (w/ MO'S Δ'S) EXCEPT - MUST ADDRESS GW.
- 3-6-92 Ph.Con. w/ D.Emmo.
  - 3 STOCKPILES GAS, W.O., OVERBURDEN?
  - POSSIBLE CROSS-CONTAMINATION BETWEEN 2 EXC.'S?
  - GW. LOOKS IMPACTED.
- 4-1-92 Ph.Con. w/ D.Emmo.
  - 4 STOCKPILES (NOT 3).
    1. OLD PILE (w/ 4yds OLD) - 20 yds. (ALL ND)
    2. OVERBURDEN, ETC. - 70 yds. (156, 82, 73, 312)
    3. GAS TANK EXC. - 90 yds. (153.2, 3 ND)
    4. W. OIL EXC. - 200 yds. (8 SAMPLES, ALL TOO HIGH).

+ APRIL '92 STOCKPILES RPT.
- DATA CHECKED ⇒ CALL CON. ⇒ JM - SIGN-OFF?

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 3



SITE EXCAVATION PLAN

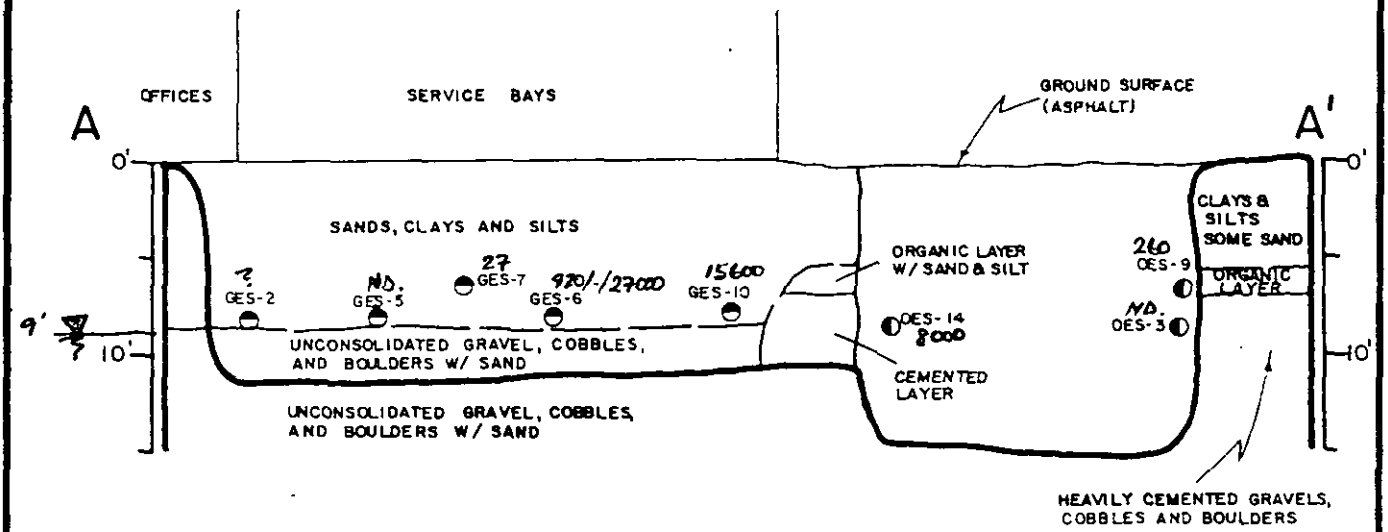
LA MESA RV CENTER

LA MESA, CALIF

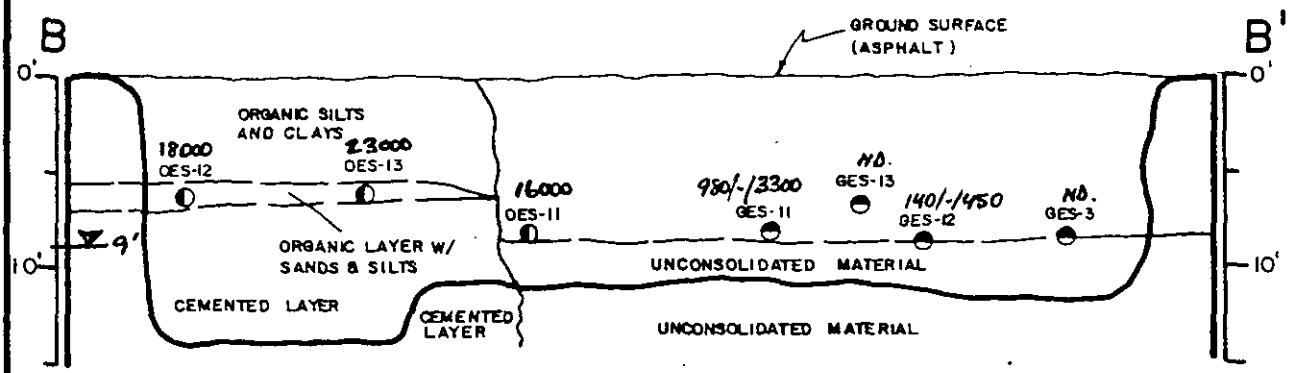
HALLIBURTON NUS

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 4

ppm TPH G/D / TRPH
ppm TRPH



CROSS-SECTION A-A'
(VIEW LOOKING EAST)



CROSS-SECTION B-B'
(VIEW LOOKING WEST)

FOR LEGEND SEE FIGURE 3

SCALE: 1" = 10' (HORIZ. = VERT.)

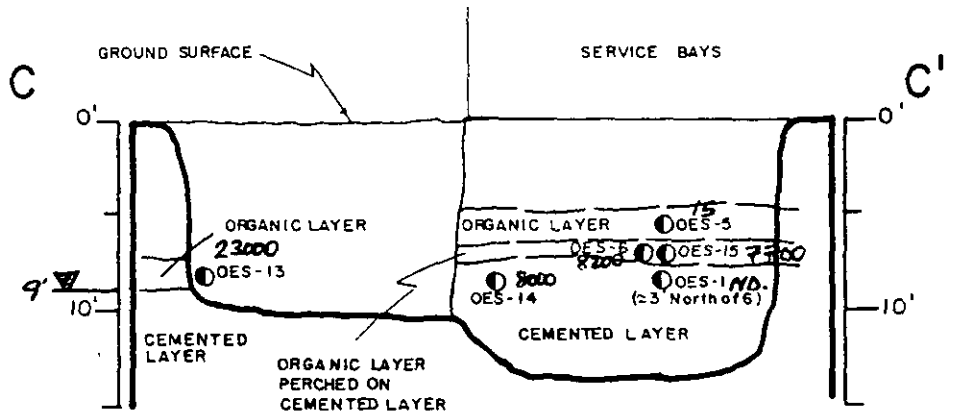
LA MESA RV CENTER

LA MESA, CALIF.

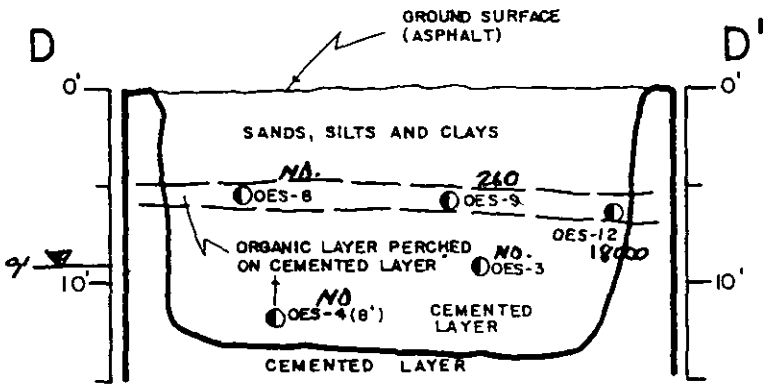
HALLIBURTON NUS

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 5

ppm TRPH



CROSS-SECTION C-C'
(VIEW LOOKING NORTH)



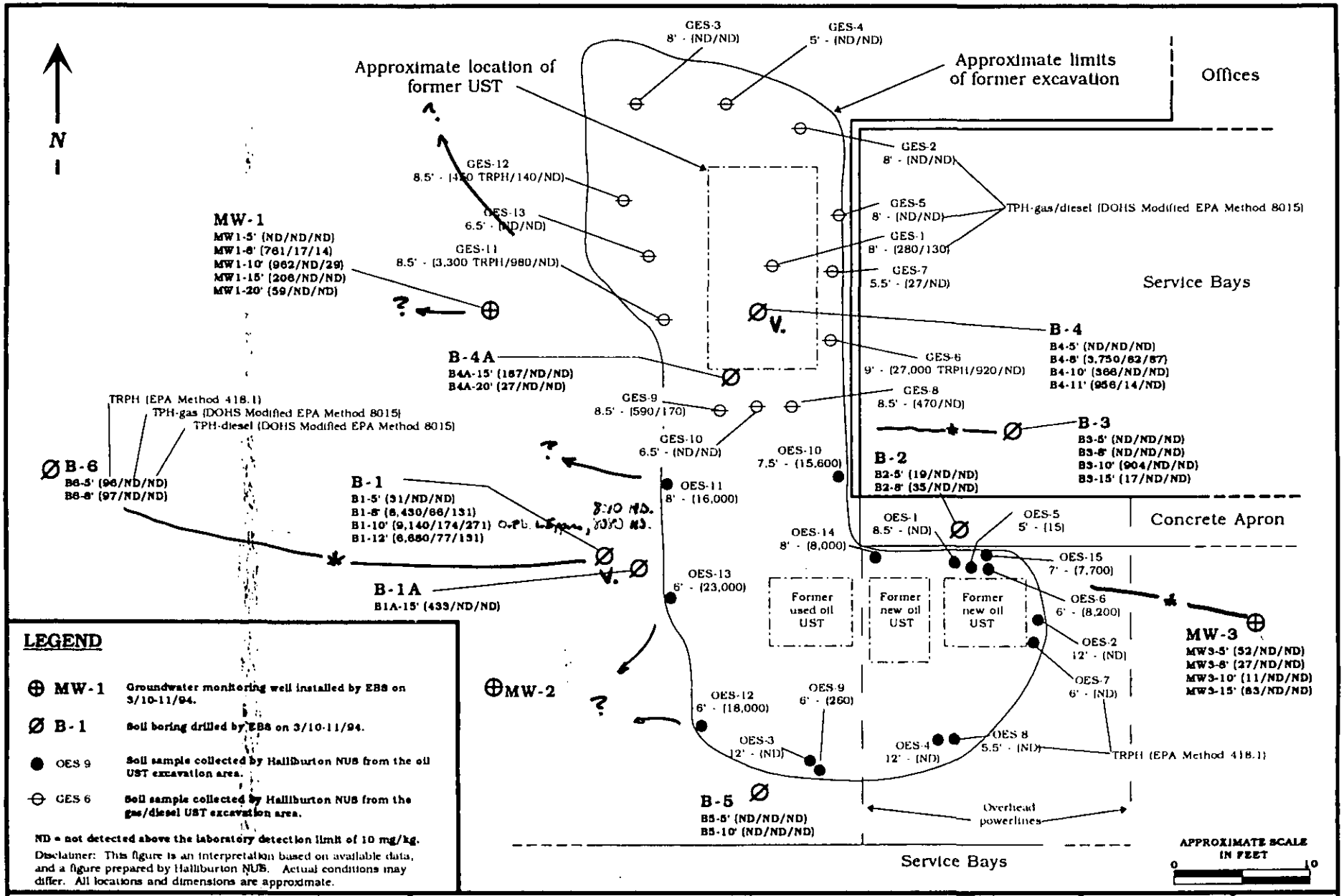
CROSS-SECTION D-D'
(VIEW LOOKING SOUTH)

FOR LEGEND SEE FIGURE 3

SCALE: 1" = 10' (HORIZ = VERT.)

LA MESA RV CENTER

LA MESA, CALIF.



LEGEND

- ⊕ MW-1 — Groundwater monitoring well installed by EBS on 3/10-11/94.
- Ø B-1 — Soil boring drilled by EBS on 3/10-11/94.
- ● OES 9 — Soil sample collected by Halliburton NUS from the oil UST excavation area.
- ⊖ GES 6 — Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.

ND = not detected above the laboratory detection limit of 10 mg/kg.

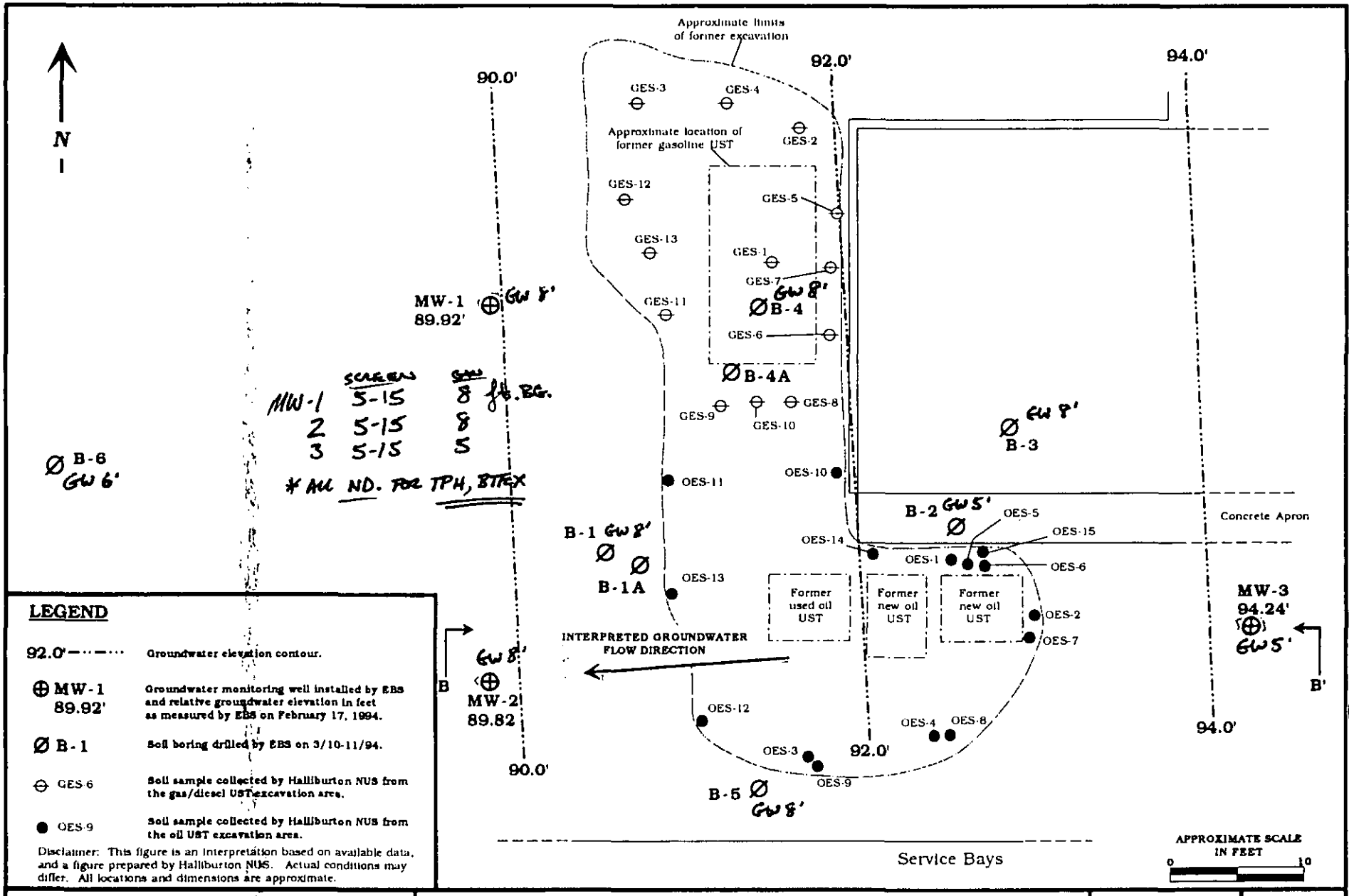
Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

? ADDNL. DELIN.

-*- NEED EST. OF $\bar{X}$, MAX., Vol. IN-PLACE

V. ADDNL. DELIN. VERTICAL

Environmental Business Solutions, Inc.	Soil Sample Test Results La Mesa R.V. Center 7601 Alvarado Road La Mesa, California	Project No. 93E1163.1	Figure 5



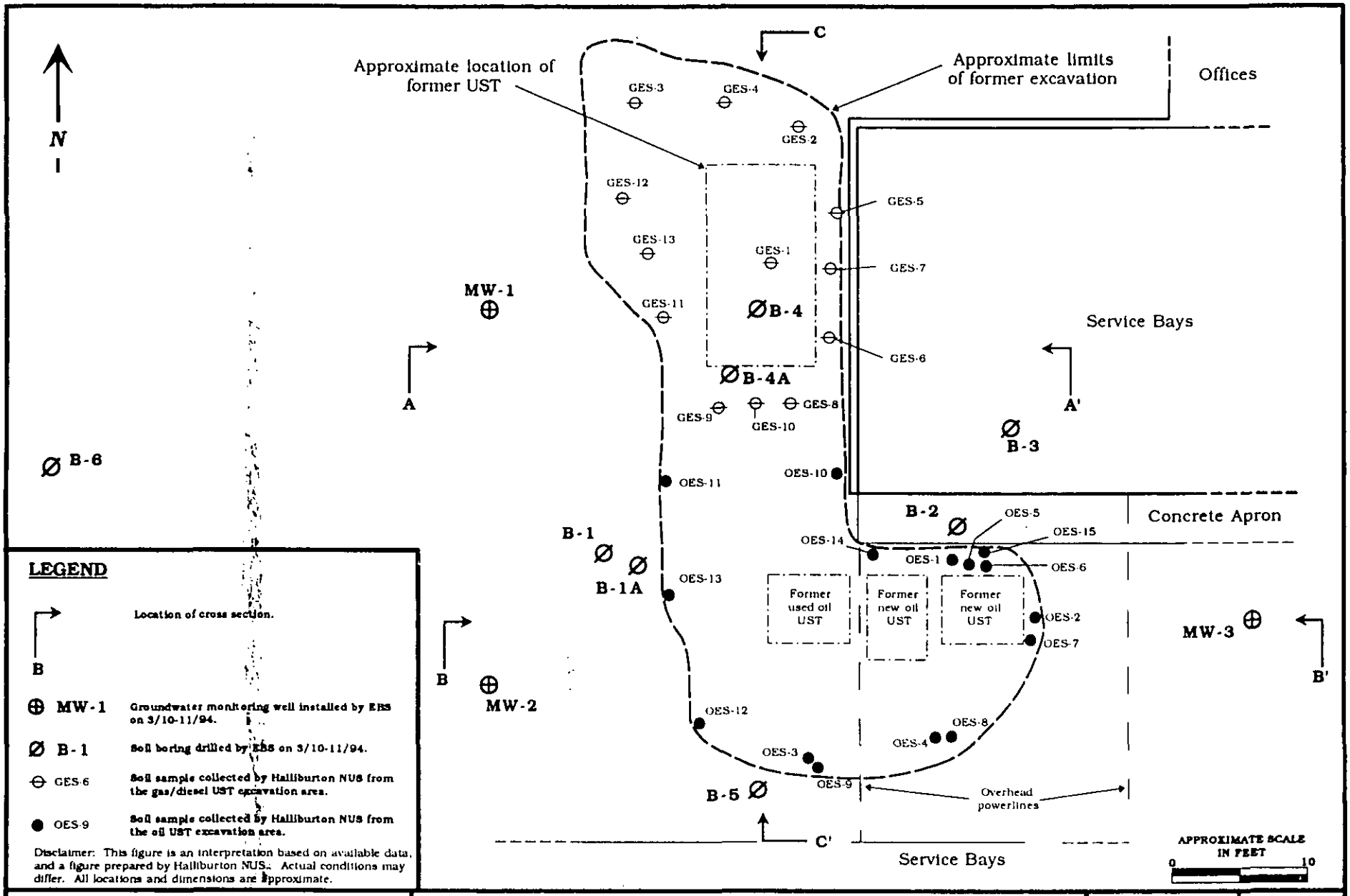
MW-1 SCREEN 5-15 SAND 8 ft. BG.
2 5-15 8
3 5-15 5
* ALL ND. FOR TPH, BTEX

LEGEND

92.0'	Groundwater elevation contour.
⊕ MW-1 89.92'	Groundwater monitoring well installed by EBS and relative groundwater elevation in feet as measured by EBS on February 17, 1994.
Ø B-1	Soil boring drilled by EBS on 3/10-11/94.
⊖ GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
● OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Groundwater Gradient Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 3



LEGEND

- Location of cross section.
- MW-1 — Groundwater monitoring well installed by EBS on 3/10-11/94.
- B-1 — Soil boring drilled by EBS on 3/10-11/94.
- GES-6 — Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
- OES-9 — Soil sample collected by Halliburton NUS from the oil UST excavation area.

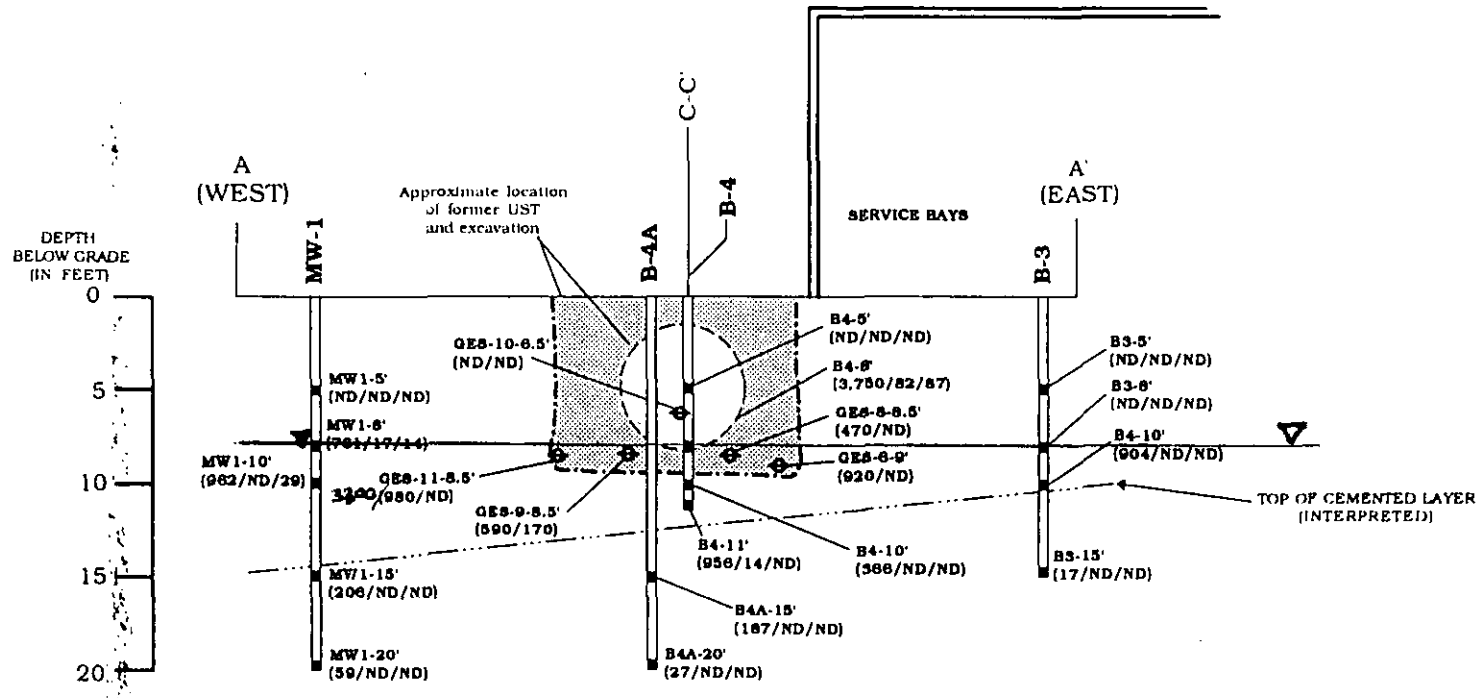
Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.

Site Plan with Cross Section Locations

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.	Figure
93E1163.1	6



LEGEND

MW1-8' (761/17/14) — Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

GES-6-9' (920/ND) — Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

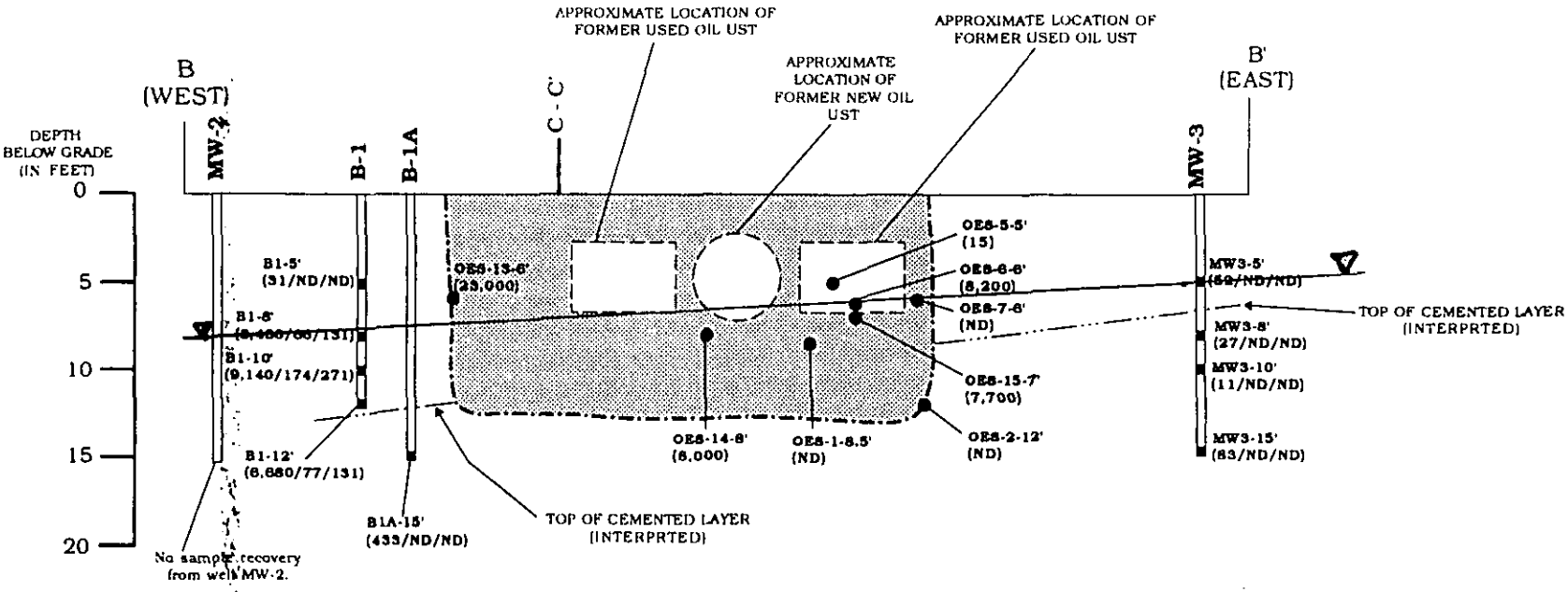
Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Cross Section A - A'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 7



LEGEND

MW1-8' (761/17/14) — Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

OES-6 (920/ND) — Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

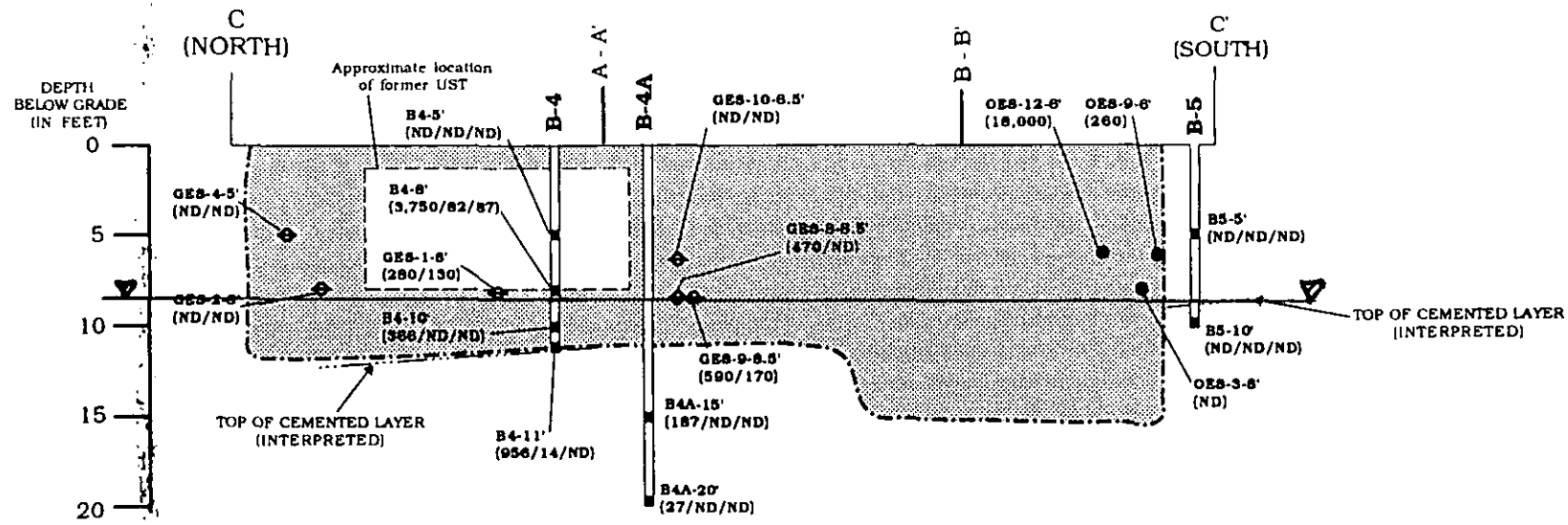
Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Cross Section B - B'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 8



LEGEND

MW1-5'
(761/17/14)
Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

GES-6
(920/ND)
Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

GES-9
6' - (260)
Soil sample collected by Halliburton NUS during UST removal from the oil UST excavation area. Indicates sample number, depth in feet below grade and TRPH concentration in ppm. ND = not detected above laboratory detection limits.

Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Cross Section C - C'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 9

County of San Diego

GARY R. STEPHANY
DIRECTOR

DANIEL J. AVERA
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

June 19, 1995

Mr. James Buckner
La Mesa RV Center, Inc.
c/o Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 W. Broadway, Suite #2600
San Diego, CA 92101

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the Quarterly Groundwater Monitoring Report for the First Quarter 1995 and Workplan Describing Additional Site Assessment Activities (Workplan) dated May 1, 1995.

The Workplan prepared by Environmental Business Solutions, Inc. proposes to drill four soil borings to provide additional information on the horizontal and vertical spread of petroleum hydrocarbon contamination.

The Workplan has been approved with the following changes or conditions:

The Workplan proposes to use a pre-existing boring (B4A) to provide confirmation of the vertical extent of contamination at B4. This is acceptable if the registered professional can demonstrate that the soil samples collected at B4A are representative, ie; soil classification at both locations is the same and soil sample collection protocol was appropriate for collecting the soil samples at B4A.

Please include EPA 8240 or EPA 8010 to the analyses required for the next groundwater monitoring. The 1995 SAM manual requires that the groundwater monitoring wells be screened, at least once, for the presence of volatile organic compounds.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Division 20, Chapter 6.75, Article 6).

The need for further site characterization and mitigation actions will be determined following evaluation of the written report and consultation with the San Diego Regional Water Quality Control Board (RWQCB) .

If you have any questions, please call me at (619) 338-2257.

Sincerely,

Carol Spangenberg

CAROL SPANGENBERG, Hazardous Materials Specialist
Site Assessment and Mitigation Division

CS:lf

cc: John Odermatt, RWQCB
Steve W. Blanchard, Environmental Business Solutions, Inc.

WP\H02651D

MEETING SIGN-IN SHEET

DATE: June 6, 1995 SUBJECT: La Mesa RV H02651

NAME	AGENCY REPRESENTING	PHONE NUMBER
MIKE HABIB		670-9508 or 460-6600
Kenneth Feasell		660 6079 "
Carol Spangenberg		338-2257
Tom Stahl		460-1311
Discussed site in general, ground water data and its significance including the recent groundwater monitoring event, referred to Feb. 1995 letter and the workplan I have reviewed and I necessity to send in a comprehensive report I also stressed that a lot would depend on what the groundwater showed.		

DHS:HM-9048 (1/90)

Return to: Industrial Waste Program
9192 Topaz Way
San Diego, CA 92123-1119
Phone (619) 654-4100
Fax (619) 654-4110

CITY OF SAN DIEGO
METROPOLITAN WASTEWATER DEPARTMENT
Industrial Waste Pretreatment Program

Groundwater Batch Discharge Authorization Request

Mailing Information

Attention: Stephen Blanchard
Company: Environmental Business Solutions
Street: 8799 Balboa Ave; Suite 290
City: San Diego State: CA Zip: 92123

APPROVED BY
THE INDUSTRIAL WASTE PROGRAM
DATE 4/24/95

Facility Information

Facility Contact: Stephen Blanchard Title: Staff Geologist
Phone: 571-5500 Fax: 571-5357
Facility Name: La Mesa RV Center
Facility Address: 7601 Alvarado Rd., La Mesa, CA 92041
Billing Address (if different): —

Wastewater Information

Describe process generating wastewater: Purged groundwater from three groundwater monitoring wells
List known and suspected contaminants: petroleum hydrocarbons (used oil, gasoline)
Describe any wastewater pretreatment methods used: N/A
Volume of wastewater to be discharged: ~50 gallons Flow: N/A
Description of discharge point, include address and map as needed: sewer hookup used for recreational vehicle sewage holding tank clean out; La Mesa RV.
Proposed Date(s) of Discharge: 5/1/95 Time: 9 am

Lab Analysis

*Attach a copy of lab analysis. For hydrocarbon only contaminated sites, analysis must include: Oil & Grease (or TPH), Total Lead, Benzene, and Flash Point. For sites with contamination other than hydrocarbons, please contact the Industrial Waste Program for guidance prior to having the analysis performed. **Samples used for analysis must be representative of the wastewater to be discharged.***

Approval does not relieve the discharger of obligations regarding compliance with any and all applicable local, State, and Federal pretreatment standards or hazardous waste disposal requirements including any such standards or requirements that may become effective after the issuance of approval.

Signature [signature] Date 4/20/95
Print Name Stephen Blanchard

County of San Diego

GARY R. STEPHANY
DIRECTOR

DANIEL J. AVERA
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

February 7, 1995

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

Staff of the Site Assessment and Mitigation Division (SAM) have reviewed the Environmental Business Solutions (EBS) report dated March 30, 1994. The report describes the second phase of soil and ground water investigation at this site.

Based on the information contained in the report, additional work should address the following points:

- Additional soil delineation is required in the following areas: west/northwest of GES-11 and MW-1, west of OES-11, southwest of OES-12 and 13, and vertically below B-4 and B-1. If soil data from MW-3, B-3 and B-6 are intended to provide lateral delineation of contamination, additional information must be provided as to the estimated mean and maximum concentrations and volumes of contaminated soil still in-place. This information must also be provided for all areas of the site as a whole. As part of this, please provide in the next report a contour map of soil contamination. In addition, to better clarify the differential distribution of waste oil versus gasoline, include a plot plan of sample results using a ratio of TPH to TRPH data.

- The apparent distribution of waste oil contamination at the site (versus gasoline contamination) is much broader than usual for such a contaminant, particularly in view of where the tanks were located. Please provide an explanation of contaminant distribution and migration based on site lithology and hydrogeology.

- The report stated that a number of samples were obtained using an air percussion drill rig. Please indicate what the protocol was to minimize excessive aeration of samples obtained in such a way.

- The report indicates that significant soil contamination was/is in close proximity to and below the water table at this site. It is somewhat unexpected that the monitoring wells did not show any resulting contamination. In addition, decisions on ground water contamination are made based on at least several rounds of sampling and the last samples were obtained some time ago. Consequently, SAM will require at least one to two additional rounds of quarterly sampling of the wells on-site.

Quarterly monitoring shall include collection of groundwater samples from all wells using acceptable purging and sampling procedures. Laboratory analysis for ground water samples must include Total Petroleum Hydrocarbons (DHS TPH Method), Total Recoverable Petroleum Hydrocarbons (TRPH), and Benzene, Toluene, Ethylbenzene, Xylene, and methyl tertiary-butyl ether (MTBE) (EPA Method 8020). For at least the next quarter, any samples that are not non-detect for TRPH should also be analyzed by method 8310 or 8270 for polyaromatic hydrocarbons (PAHs) to help characterize the more mobile constituents in the waste oil. Groundwater levels should be measured, and any free product detected should be removed on a weekly basis, or more or less frequently as conditions may warrant. This information shall be submitted in a report to SAM.

Quarterly sampling and reporting should be done according to the following schedule:

Sampling Period	Report Due Date
January, February, March	April 30
April, May, June	July 30
July, August, September	October 30
October, November, December	January 30

You should initiate your sampling/reporting program in the current quarter (January-March), and the report will be due to SAM by April 30, 1995. Based on the quarterly monitoring schedule you will be adhering to, it is not necessary to have your attorney continue to provide 30 or 90-day update reports.

Please submit a workplan for the next phase of work on this site no later than March 20, 1995. Due to administrative changes, this file has been transferred to Ms. Carol Spangenberg, to whom you should direct all future inquiries. She can be reached at (619) 338-2257, if you have any questions on this matter. If you have

any questions regarding the previous handling of this case, please contact me at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

LS:gl

cc: John Odermatt, RWQCB
Stephen Marsh
Barry Pulver, EBS

ALM SERVICES
SERVICE STATION CONTRACTOR
P.O. BOX 2354
LAKESIDE, CALIFORNIA 92040

"HMMU"

LICENSE NO. 464087
TELEPHONE (619) 561-6048

MAR 21 10 58 AM '88

H0 2657
T0427

March 21, 1988

County of San Diego
Haz Mat Attn: Vicki Church
1700 Pacific Highway
San Diego, Ca 92101-2489

Subject: Suspect soil contamination at La Mesa RV 7601 Alvarado Rd La Mesa. AT1124

Dear Vicki Church:

After the tanks were removed from the excavation Alm Services took soil samples in several locations to determine the presence or degree of contamination.

The 8 soil samples were gathered in glass jars and placed in a cooler with ice. They were taken the same day (2/22/88) to QA Laboratoryfor analysis.

Please review the attatched lab report, plot plan and chain of custody.

I am told a few of the tanks have not stored product for several years. Please contact Jim Buckner with La Mesa RV 462-5660 for a more exact history of the site to make your determination.

Sincerely,

Robert Alm

cc: Jim Buckner

Clay w/cobble
Shallow GW
possibly 8 FT

Hotspot w. O. tank
possible Minor excavation
Need 418.1, 8010

QUALITY ASSURANCE LABORATORY

ALM SERVICES
ATT: BOB ALM
8778 BURKSHIRE PLACE
LAKESIDE, CA 92040

DATE OF REPORT	MARCH 7, 1988
DATE RECEIVED	FEBRUARY 22, 1988
DATE OF SAMPLE	FEBRUARY 22, 1988
DATE COMPLETED	MARCH 4, 1988
ANALYZED BY	RB EM LF EA
SAMPLE TYPE	8 SOIL
PROJECT NAME	LA MESA RV

ANALYSES RESULTS MG/KG

LOG NUMBER	SAMPLE ID	TEH *	BENZENE	TOLUENE	XYLENE	TOTAL PCB	ORG. LEAD	TPH
2003-88	LR 1	110	<0.5	1.4	19		<0.5	
2004-88	LR 2	20						
2005-88	LR 3							17
2006-88	LR 4							6.3
2007-88	LR 5		7.7	44	82	<0.065		<2900>
2008-88	LR 6							3.2
2009-88	LR 7							77
2010-88	LR 8	6.3						

TEH - TOTAL EXTRACTABLE HYDROCARBONS

TEH - ANALYZED BY MODIFIED 8015, EXTRACTED BY METHOD 5020

TPH - TOTAL PETROLEUM HYDROCARBONS

TPH - ANALYZED BY EPA METHOD 418.1

BTX - ANALYZED BY MODIFIED 8020, EXTRACTED BY METHOD 5020

ORG.PB - ANALYZED BY METHOD 7420

TOTAL PCB - ANALYZED BY METHOD 8080

* CONTAMINATION: WEATHERED GASOLINE CALCULATED: KEROSENE CURVE

PETER T.L. SHEN
LABORATORY DIRECTOR

Mailing Address:
P.O. Box 22567
San Diego, CA 92122

San Diego
6555 Nancy Ridge Dr., Suite 300
San Diego, CA 92121
(619) 566-1060
Fax: (619) 458-9093

Arizona
(602) 468-0691
Orange County
(714) 261-7242

2-5-88 Mike Vernetti: for your file

ALM SERVICES

SERVICE STATION CONTRACTOR
P.O. BOX 2354
LAKESIDE, CALIFORNIA 92040

LICENSE NO. 464087
TELEPHONE (619) 561-6048

C0164
H02651

Feb. 4, 1988

La Mesa RV Center
7601 Alvarado Rd.
La Mesa, Ca. 92041
Attn: Jim Buckner

Subject: Quotation for the removal of (4) underground fuel tanks.

Alm Services will perform the following work to remove your tanks;

- Pull all permits required
- Uncover (1) 2,000 gallon gas tank and (3) 550 gallon waste oil tanks. Assist the tank cleaner (hired by La Mesa RV), demo concrete and A/C over tanks on a Saturday to be determined.
- Remove the tanks on the following Monday during the scheduled inspection with the HMMD and S.D. Fire Dept.. Assuming there is no soil contamination, we will backfill and compact the soil to open the area for traffic.
- Patch tank hole areas with 3" A/C on a weekday of your choice.
- Haul away tanks, A/C, and concrete for disposal.
- Removal of contaminated soil or soil sampling is not included.

Total Cost $7,700.

Work could begin Feb. 20, 1988

Payment terms will be;

10%	Before pulling permits	$770
84%	After tank removal and backfill	$6468
6%	After paving	$462

Invoices will be due upon receipt, delinquent after 10 days. A late charge of 1½% per month on past due amounts.

Submitted by: [signature]
Title : Owner
Date : 2/4/88

Accepted by: [signature]
Title: Dir. of Fixed Operations
Date : 2-5-88

ALM SERVICES
SERVICE STATION CONTRACTOR
P.O. BOX 2354
LAKESIDE, CALIFORNIA 92040

LICENSE NO. 464087
TELEPHONE (619) 561-6048

"HMMU"

JUN 6 4 24 PM '88

June 3, 1988

County of San Diego- Health Services
1700 Pacific Coast Hwy.
P.O. Box 85261
San Diego, CA. 92138-5261

Attn: Vicki Church- HAZMAT

Subject: Soil sampling at La Mesa RV, 7601 Alverado Rd., La Mesa
Plan check AT1124, EST #H02651.

Dear Vicki Church:

In order to resolve the high levels of TPH at the location of the old oil tanks, we have performed the following work:

- Excavated approximately 20 yds. of discolored and oily soil.
- Gathered 3 soil samples per plot plan.
- Backfilled hole with clean fill.
- Stockpiled oil soil at back of lot.

The samples were gathered in glass jars and placed in a cooler, on Saturday May 14th. They were stored in a refrigerator over the weekend and taken to QA Lab on Monday morning per chain of custody report.

The samples were taken in the native material. It was mostly clay with rocks roughly 3" round. No ground water was encountered.

Please review the attached lab results.

Contact myself or Jim Buckner at La Mesa RV with questions on the site.

Sincerely,

Robert Alm
owner

RA/dp
enclosure

cc: Jim Buckner
Water Quality Review Board

QUALITY ASSURANCE LABORATORY

ALM SERVICES
ATTN: BOB ALM
8778 BURKSHIRE PLACE
LAKESIDE, CA 92040

DATE OF REPORT	MAY 27, 1988
DATE RECEIVED	MAY 16, 1988
DATE OF SAMPLE	MAY 14, 1988
DATE COMPLETED	MAY 27, 1988
ANALYZED BY	RB EM DW PN BW
SAMPLE TYPE	3 SOIL
PROJECT NAME	LA MESA RV

ANALYSES RESULTS

ANALYSIS	METHOD	UNITS	LOG NUMBER: 5166-88 SAMPLE ID: SE 12	5167-88 NW 12-6	5168-88 EW 8-6
TPH	EPA 418.1	MG/KG	930	340	250
BENZENE	MOD 8020,EXT 5020	MG/KG		<0.5	
TOLUENE	MOD 8020,EXT 5020	MG/KG		<0.5	
XYLENE	MOD 8020,EXT 5020	MG/KG		<0.5	
ORG. LEAD	7420	MG/KG		<0.50	

TPH - TOTAL PETROLEUM HYDROCARBONS

Dana Walker
DANA WALKER
LABORATORY DIRECTOR

Mailing Address:
P.O. Box 22567
San Diego, CA 92122

San Diego
6555 Nancy Ridge Dr., Suite 300
San Diego, CA 92121
(619) 566-1060
Fax: (619) 458-9093

Arizona
(602) 468-0691
Orange County
(714) 261-7242

MAY 27, 1988

ALM SERVICES
EPA METHOD 8010
PURGEABLE HALOCARBONS
SAMPLE TYPE - SOIL

ANALYSES	DETECTION LIMIT ug/kg	5167-88 NW 12-6 ug/kg
BROMODICHLOROMETHANE	2.5	ND
BROMOFORM	5.0	ND
BROMOMETHANE	30	ND
CARBONTETRACHLORIDE	3.0	ND
CHLOROBENZENE	6.3	ND
CHLOROETHANE	13	ND
2-CHLOROETHYLVINYL ETHER	3.3	ND
CHLOROFORM	1.3	ND
CHLOROMETHANE	2.0	ND
DIBROMOCHLOROMETHANE	2.3	ND
1,2-DICHLOROBENZENE	3.8	ND
1,3-DICHLOROBENZENE	8.0	ND
1,4-DICHLOROBENZENE	6.0	ND
1,1-DICHLOROETHANE	1.8	ND
1,2-DICHLOROETHANE	0.8	ND
1,1-DICHLOROETHENE	3.3	ND
trans-1,2-DICHLOROETHENE	2.5	ND
DICHLOROFLUOROMETHANE	45	ND
1,2-DICHLOROPROPANE	1.0	ND
cis-1,3-DICHLOROPROPENE	8.5	ND
trans-1,3-DICHLOROPROPENE	5.0	ND
METHYLENE CHLORIDE	6.3	ND
1,1,2,2-TETRACHLOROETHANE	0.8	ND
TETRACHLOROETHENE	0.8	ND
1,1,1-TRICHLOROETHANE	0.8	ND
1,1,2-TRICHLOROETHANE	0.5	ND
TRICHLOROETHENE	3	ND
TRICHLOROFLUOROMETHANE	13	ND
VINYL CHLORIDE	4.5	ND

ND = NONE DETECTED

Dana Walker

DANA WALKER
LABORATORY DIRECTOR

QUALITY ASSURANCE LABORATORY
CHAIN OF CUSTODY

COMPANY: ALM SERVICES

PROJECT NAME/NUMBER: La Mesa RV

Q.A. LOG NUMBER 5166 TO 5168

SAMPLE ID	DATE OF SAMPLE	SAMPLE LOCATION	CONT TYPE	SAMPLE TYPE	ANALYSIS REQUIRED	COMMENTS
SE 12	5-14-88	SE	JAR	SOIL	~~[illegible]~~ 418.1 TPH ~~8015 [illegible]~~ OIL	
NW 12-6	5-14-88	NW	"	SOIL	418.1 ORG. LEAD, BTX, SOLVENTS ~~[illegible]~~ TEH OIL 8010 → 601	highest level
EW 8-6	5-14-88	EW	"	SOIL	418.1 TPH DW ~~8015 [illegible]~~ OIL TEH	
					* Customer informed oil not pick up	
					in mod 8015	
					on phone Mark change	analysis to 418.1
					BW	

SEND RESULTS TO ATTN: Bob Alm

PHONE #: 561-6048

MAIL TO

RELINQUISHED BY	DATE/TIME	RECEIVED BY
[signature]	5-16-88 12:55	[signature]
RELINQUISHED BY	DATE/TIME	RECEIVED BY
RELINQUISHED BY	DATE/TIME	RECEIVED BY

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO — HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE.
SIGNED _____ DATE _____

REPORT DATE: 04/04/88 — CASE #: T0945 1H02651

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: J. Buckner — PHONE: (619) 462-5660 — SIGNATURE:
REPRESENTING ☒ ~~OWNER~~/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____ — COMPANY OR AGENCY NAME: La Mesa RV Center
ADDRESS: 7601 Alvarado Rd (STREET) — La Mesa (CITY) — CA (STATE) — 92041 (ZIP)

RESPONSIBLE PARTY
NAME: Above ☐ UNKNOWN — CONTACT PERSON: _____ — PHONE: ( )
ADDRESS: _____ (STREET) _____ (CITY) _____ (STATE) _____ (ZIP)

SITE LOCATION
FACILITY NAME (IF APPLICABLE): _____ — OPERATOR: _____ — PHONE: ( )
ADDRESS: Above (STREET) _____ (CITY) _____ (COUNTY) _____ (ZIP)
CROSS STREET: Fletcher Park Way
TYPE OF AREA ☒ COMMERCIAL ☐ INDUSTRIAL ☐ RURAL ☐ RESIDENTIAL ☐ OTHER _____
TYPE OF BUSINESS ☐ RETAIL FUEL STATION ☐ FARM ☒ OTHER RV Sales + Service

IMPLEMENTING AGENCIES
LOCAL AGENCY — AGENCY NAME: 2 Dept of Health Services — CONTACT PERSON: Vickie Church / Darryl Fowler — PHONE: (619) 236-2222
REGIONAL BOARD — 2 Regional Water Quality Control Board — CONTACT PERSON: Scott Huygenbaye — PHONE: (619) 265-5114

SUBSTANCES INVOLVED
(1) NAME: Used Engine Oil — QUANTITY LOST (GALLONS): _____ ☒ UNKNOWN
(2) _____ ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 11/24/86 — HOW DISCOVERED ☐ ~~INVENTORY CONTROL~~ ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☒ TANK TEST ☒ TANK REMOVAL 02-22-88 ☐ OTHER _____
DATE DISCHARGE BEGAN: _____ ☒ UNKNOWN
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ REMOVE CONTENTS ☐ REPLACE TANK ☒ CLOSE TANK 11-24-86 ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE
HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE: 11/24/86 ☒ OTHER Remove Tank

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☒ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER
TANKS ONLY/CAPACITY: 3-600 GAL. each — AGE 20+ YRS ☐ UNKNOWN
MATERIAL: ☐ FIBERGLASS ☒ STEEL ☐ OTHER _____
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☒ CORROSION ☐ UNKNOWN ☐ SPILL ☐ OTHER _____

CASE TYPE
CHECK ONE ONLY: ☐ UNDETERMINED ☐ SOIL ONLY ☒ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY: ☒ SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) ☐ CLEANUP IN PROGRESS ☐ SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) ☐ NO ACTION TAKEN ☐ POST CLEANUP MONITORING IN PROGRESS ☐ NO FUNDS AVAILABLE TO PROCEED ☐ EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ TREATMENT AT HOOKUP (HU) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT) _____

COMMENTS
Removal of Tanks and Tests cost over $10,000. The contamination soil is to be removed and sent to a hazardous dump site. Amount and cost unknown at this time. Contractor is ALM Services PO Box 2354 Lakeside Cal. 92040 (Bob ALM)

HSC 05 (4/87)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Provide details on tank age; capacity and material if known. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which actions have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.
SIGNATURE - Sign the form in the space provided.
DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies in tact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Water Quality, Underground Tank Program, P. O. Box 100, Sacramento, CA 95801
3. Regional Water Quality Control Board
4. County Board of Supervisors or designee to receive Proposition 65 notifications.
5. Owner/responsible party.

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite [illegible] pitch typewriter).

Department of Health Service
Toxic Substances Control Divisio
Sacramento, Californi

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD981576655 — Manifest Document No.: 05234

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: [illegible] CAMASA, CA

4. Generator's Phone: [illegible]

A. State Manifest Document Number: 87102481

B. State Generator's ID:

5. Transporter 1 Company Name: Triad Marine & Ind'l Cleaning

6. US EPA ID Number: CAD981965734

C. State Transporter's ID: 808013

D. Transporter's Phone: (619) 234-2024

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Nelco Oil Refining Corp. 600 West 12th Street National City CA 92050

10. US EPA ID Number: CAD008352890

G. State Facility's ID:

H. Facility's Phone: (619) 474-7511

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 No.
a. Waste Flammable Liquid NOS Waste Gasoline UN1203	001	TT	00750	G	State 213 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Gasoline 1% - 5%
Waste Oil 5% - 10%
Waste Water 99% - 90%

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Gloves / Face Shield

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: [illegible] — Signature: [illegible] — Month Day Year: [illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gabino Morales — Signature: Gabino Morales — Month Day Year: 02 20 88

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: — Signature: — Month Day Year:

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

1-10-92

December 11, 1991

Mr. James Buckner
La Mesa RV Center
7601 Alvarado Road
La Mesa, California 92041

Attention: Mr. James Buckner

Subject: Environmental Engineering Services
Relating to Unauthorized Release
Case Number T0427/H02651-001
HALLIBURTON NUS Proposal No. P9111053

Dear Mr. Buckner:

In response to your request, HALLIBURTON NUS Environmental Corporation (HALLIBURTON NUS) is pleased to submit this proposal to provide environmental engineering services relating to the unauthorized release (UAR) at the La Mesa RV Center. La Mesa RV is located at 7601 Alvarado Road in La Mesa, California.

The information presented below summarizes our understanding of the circumstances associated with the UAR at the site and proposes a scope of work to address these circumstances.

TECHNICAL UNDERSTANDING AND APPROACH

A representative of HALLIBURTON NUS previously visited the subject site with Mr. Chris Tomlin of Horizon Hoist Company of San Diego. During the survey of the site, Mr. Tomlin indicated that Alm Services, a local tank removal contractor, had removed four underground storage tanks (UST) from the site on February 22, 1988. The four UST's consisted of one 550 gallon used oil tank, two 550 gallon new oil tanks, and one 2000 gallon regular leaded gasoline tank.

While surveying the site, a concrete patch was observed at the location of the former gasoline UST at the southwest corner of the north service garage. In addition, an asphalt patch was observed at the location of the former oil UST on the south side of the southwest corner of the north service garage. An extensive asphalt parking and driveway complex surrounds the service

December 11, 1991
Proposal No. P9111053

and sales buildings. The former UST locations are situated in areas that could potentially disrupt the activities of the dealership during proposed excavation activities.

A survey of areas adjacent to the dealership indicate the site is bordered to the ~~south~~ North by Alvarado Road and Interstate 8, to the west and south by commercial properties and to the east by a residential property. Located immediately east of the residential property is the site of a former gasoline service station that is currently undergoing investigation and remediation activities associated with an unauthorized release at the site.

Review of Correspondence and Laboratory Data

A review of the "Abandoned Underground Tank Report", prepared by Mr. Donn Lipera of the San Diego County Department of Health Services-Hazardous Materials Management Division (DHS-HMMD) confirms that four UST's were removed from the site on February 22, 1988. The report further indicates that all of the tanks possessed holes ranging from pinhole size to three quarters of an inch in diameter. Odors within the excavation were indicated to be slight with some soil discoloration. Groundwater impact was not noted, although groundwater was observed within the excavation at a depth of seven feet below ground surface.

Correspondence from Mr. Bob Alm to Ms. Vicki Church of the DHS-HMMD, dated March 21, 1988 indicates that Alm Services obtained a total of six soil samples from the bottom of the two excavations. Four of the soil samples were obtained from the excavation, formerly containing the used oil tank and the two new oil tanks. A review of the laboratory results of these four soil samples indicates that total recoverable petroleum hydrocarbon (TRPH) concentrations (EPA Test Method 418.1) in the samples ranged from 32 to 2900 milligrams/kilogram (mg/kg). Benzene, toluene, and xylene concentrations (EPA Test Method modified 8020) in one sample were 7.7, 44, and 82 mg/kg , respectively. Two soil samples were obtained from the second excavation, formerly containing a regular leaded gasoline tank. A review of the laboratory results indicates that total petroleum hydrocarbon (TPH) concentrations (EPA Test Method modified 8015) in the samples was 20 and 100 mg/kg. Benzene, toluene, and xylene concentrations in one sample were <0.5, 1.4, and 19 mg/kg (EPA Test Method modified 8020), respectively. Two additional soil samples were obtained from two soil stockpiles generated from the excavation and removal of the four tanks. One soil sample obtained from a 20 cubic yard soil stockpile originating from the oil tank excavation possessed a TRPH concentration of 77 mg/kg. The other soil sample obtained from a 20 cubic yard soil stockpile originating from the gasoline tank excavation possessed a TPH concentration of 20 mg/kg.

ACCURATE Summary

December 11, 1991
Proposal No. P9111053

On May 14, 1988, Mr. Alm reportedly obtained three additional soil samples from the oil tank excavation. A review of the laboratory data for these three soil samples indicates that TRPH concentrations were 250, 340, and <930 mg/kg. Benzene, toluene, xylene and solvent concentrations were below detection limits.

Based on the information summarized above, it is the understanding of HALLIBURTON NUS that the client's objective is to obtain regulatory site closure of the UAR reported for the site. In accordance with current regulatory guidelines, the horizontal and vertical extent of hydrocarbon impacts to the soil at the site must be estimated and potential impacts to groundwater must be addressed. In the event that hydrocarbon impacts in excess of cleanup standards established by regulatory agencies are encountered, mitigation of this impact may be required by regulatory officials. HALLIBURTON NUS would recommend methods for the mitigation and could provide the necessary equipment and expertise to accomplish any required cleanup.

SCOPE OF SERVICES

Based on our understanding of your requirements as conveyed above, we propose to provide environmental engineering services on behalf of La Mesa RV for the purpose of obtaining regulatory closure of the UAR for the subject site. The scope of services proposed is designed to provide a cost effective approach to attempt to satisfy the goal of site closure. However, following regulatory review of the results of the first phase of services, the performance of additional services may be required.

- Provide consultation including a review of the proposed workplan with the appropriate representatives of the DHS-HMMD and the San Diego Regional Water Quality Control Board (RWQCB) prior to the commencement of the field activities. - Estimated man hours = 2 HALLIBURTON NUS

- Prepare a Health and Safety Plan that would identify potential health and safety hazards anticipated during the performance of the excavation activities. The plan would be prepared prior to the commencement of field activities and would be reviewed by all field personnel. - Estimated man hours = 2 HALLIBURTON NUS

- Obtain the services of an underground utility locating service and review available client "As Built" drawings in an effort to identify the presence of underground utilities in proximity to the proposed excavations. - Estimated man hours = 2 HALLIBURTON NUS and 3 contractor

- Notify Underground Service Alert as required by law and obtain a "Ticket Number" at least 48 hours prior to the commencement of excavation activities. - Estimated man hours = 1 HALIBURTON NUS

- Sawcut asphalt and concrete in the areas designated for excavation of the trenches. Estimated man hours = 1 HALLIBUTON NUS and 4 contractor



- Excavate trenches perpendicular to the perimeter of the excavation sidewalls in an attempt to identify the contact between the fill and formational soils. Based on the information obtained during the excavation of the perpendicular trenches, perimeter trenches would be excavated parallel to each sidewall, where possible. Soil samples would be collected at various depths as necessary to aid in the estimation of the extent of possible hydrocarbon impact to the soil. Based on available information, it is estimated that the trenches would extend to the depth of groundwater or a depth of approximately 13 feet below the ground surface, whichever is less. - Estimated man hours = 18 HALLIBURTON NUS and 18 contractor

- Provide site security either with barricades or trench plates. - Estimated man hours = 2 HALLIBURTON NUS

- Perform vapor headspace surveys on soil samples collected from the trenches at each former UST location. An organic vapor analyzer (OVA) would be used to attempt to obtain indicators of the presence of petroleum hydrocarbons. It should be noted that use of the headspace survey is generally more effective on soil impacted by gasoline than on soils containing used oil. - Hours required to perform this task are included as part of the excavation activities as referenced above.

- Obtain soil samples. Soil samples obtained throughout the performance of the field activities would be subjected to analysis by an on-site California Department of Health Services certified mobile laboratory. The results of the laboratory analysis would be used to guide additional trenching activities and provide analytical confirmation of the possible extent of hydrocarbon impact to the soil.

December 11, 1991
Proposal No. P9111053

It is anticipated that approximately 12 soil samples would be obtained and analyzed for the presence of TRPH using EPA Method 418.1. Approximately 12 additional soil samples would be obtained and analyzed for the presence of total petroleum hydrocarbons (TPH) using EPA Method DHS-8015. One soil sample from the used oil trenching would be analyzed for solvents by EPA Test Method 8010 while a soil sample from the gasoline UST trenching would be analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE) by EPA Test Method 8020-modified. Analysis using EPA Test Methods 418.1 and DHS-8015 cost approximately $80 per sample while EPA Test Methods 8010 and 8020-modified cost approximately $100 per sample.

Quality assurance/control procedures would be followed during all excavation and soil sampling activities. Soil samples would be placed in laboratory prepared containers and transported to an on site mobile laboratory for analytical testing. Chain-of-custody documentation would be provided for all soil samples. - Hours required to perform this task are included as part of the excavation activity.

- Segregate soil. Soil excavated during the trenching activities at each former UST location according to origin and by estimates of TRPH and TPH concentrations. The soil would be stockpiled on-site and placed on, and covered with, visqueen in accordance with regulatory protocol. The client would be responsible for disposition of the stockpiled soil. Estimated man hours = 2 HALLIBURTON NUS. At The client's request, HALLIBURTON NUS can assist in arranging with third parties for transportation and disposal of the stockpiled soil. Fees for this service will be additional.

- Provide health and safety monitoring during all trenching/excavation activities. The hours required to perform this task are included as part of the excavation activities.

- Fill trenches with rock/gravel and replace asphalt and concrete at ground surface, whichever is appropriate. The cost for this item is not included in the proposal as the amount of rock/gravel and concrete and asphalt required cannot be determined at this time.

- Prepare a report summarizing the results of the field activities and provide recommendations for additional environmental services, if required. Estimated man hours = 20 HALLIBURTON NUS

- Provide consultation with the client and representatives of the regulatory agencies following completion of the field activities. The purpose of the consultation would be to present the results obtained during the performance of the field activities. - Estimated man hours = 4 HALLIBURTON NUS

Very important to remember

It should be noted that the scope of services referenced above is for a first phase exploration of the possible horizontal and vertical extent of the hydrocarbon impacts to the soil at the site. Based on discussions with regulatory representatives, additional services, consisting of monitoring of the groundwater will be required by regulatory agencies. The nature of the groundwater monitoring activities will be dependent upon the results obtained from the first phase of the exploration activities. HALLIBURTON NUS would keep the client apprised of work progress and the possible need for additional services. No additional services would be performed without the client's consent.

TERMS AND CONDITIONS

The terms and conditions of this agreement are specified in the "Master Environmental Services Agreement" attached as Exhibit "A".

PROJECT STAFFING

This project will be managed by Mr. David Eminhizer, an environmental scientist/geologist with more than 8 years experience as a science professional and more than 6 years as a consultant and site manager in San Diego County.

PROJECT SCHEDULE

HALLIBURTON NUS can begin to provide these services upon contract award and authorization. Based upon the above-referenced Scope of Services, it is anticipated that a report regarding the site trenching activities could be completed within four weeks of the completion of the field activities.

Site visit 8:30 - 9:30 8-28-91

7601 Alvarado Rd La Mesa H02651-001 (T83)

Met w/ Jim Buckner He showed me the locations of former tank pits which were covered w/ concrete & Asphalt patch



Former Exc. Area

H02651-001 Mo. Lahsaie
7601 Alvarado Rd La Mesa
Site visit 8-28-91



Former tank pit

H02651-001 Mo. Lahsaie
7601 Alvarado Rd. La Mesa
Site visit 8-28-91

7601 Alvarado Road / Post Office Box 1670 / La Mesa, CA 92041-0325 / (619) 462-5660

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World's Largest RV Dealer

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HEALTH SERVICES

June 12, 1991

REVIEWED 6/18/91
HMMD

Hazardous Materials Management Division
County of San Diego
P. O. Box 85261
San Diego, CA 92186-5261

Attn: Darryl Fowler
Hazardous Materials Specialist

RE: Your Letter of May 23, 1991
Unauthorized Release #T0427/H02651-001
7601 Alvarado Road, La Mesa, CA 92041

Dear Mr. Fowler:

We were unaware of California Code of Regulations Title 23, Chapter 3, Subchapter 16, Section 2652 (d) prior to your letter.

We have been obtaining estimates from Leighton and Associates, Geotechnical and Environmental Engineering Consultants and Geocon, Environment Consultants, subconsultants to Horizon Hoists Company.

We have reached an agreement with Chris Tomlin of Horizon Hoists and signed a work order for Geocon. They will begin within the first two weeks of July 1991.

If you need more specific information please contact Chris Tomlin care of Horizon Hoist Co., 1991 Arnheim Court, El Cajon, CA 92021 (619) 444-9166.

Sincerely,

Jim Buckner
Director of Fixed Operations

JB:b

cc: RWQCB

HALLIBURTON NUS
Environmental Corporation

16885 WEST BERNARDO DRIVE • SUITE 100 • SAN DIEGO, CALIFORNIA 92127 (619) 451-2131

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ENVIRONMENTAL
HEALTH SERVICES

November 9, 1992

County of San Diego
Hazardous Materials Management Division
P.O. Box 85261
San Diego, CA 92138-5261

Attention: Mr. Lars Skinner

Subject: La Mesa RV Center
7601 Alvarado Road, La Mesa, California
UAR Case No. T0427/H02651-001
Interim Report on Soil Assessment and Mitigation, Dated August 28, 1992

Mr. Skinner:

At the request of Mr. James Buckner, representing La Mesa RV Center, the above-referenced report is released by HALLIBURTON NUS and is provided for your review and comment. A duplicate copy of this report has also been sent to the local office of the RWQCB.

(4 months)

The release of this report was delayed for administrative reasons and should not be interpreted as negligence on the part of La Mesa RV to comply with state and county reporting requirements. Although we recognize that some inconveniences have likely occurred, we hope that they have not impaired the progress of this project.

If you have any questions regarding the information provided, please call the undersigned. Your cooperation on issues regarding this project have been appreciated.

Sincerely,

Colin P. Young, CIH
Manager, San Diego District
Southwest Region

cc.: Mr. James Buckner, La Mesa RV Center
Mr. Corey Walsh, RWQCB-San Diego

INTERIM REPORT ON SOIL

ASSESSMENT AND MITIGATION FOR

LA MESA RV CENTER

7601 ALVARADO ROAD

SAN DIEGO, CALIFORNIA

H02651-001

PREPARED FOR

LA MESA RV CENTER

LA MESA, CALIFORNIA

5-10-93 START REVIEW (1.0, 232)

5-11-93 CONTD.. (.7, 232)

CONTD .. (.7, 232)

PREPARED BY HALLIBURTON NUS ENVIRONMENTAL CORPORATION
16885 West Bernardo Drive, Suite 100
San Diego, California 92127

AUGUST 1992

HALLIBURTON NUS
Environmental Corporation

16885 WEST BERNARDO DRIVE • SUITE 100 • SAN DIEGO, CALIFORNIA 92127 • (619) 451-2131

August 28, 1992
Project No. 2N60

La Mesa RV Center
7601 Alvarado Road
La Mesa, California

Attention: Mr. James Buckner

Subject: La Mesa RV Center
7601 Alvarado Road, La Mesa, California
Unauthorized Release Case No. T0427/H02651-001
Interim Report on Soil Assessment and Mitigation

Gentlemen:

On behalf of La Mesa RV Center and in accordance with the "Proposal" dated December 11, 1992, HALLIBURTON NUS Environmental Corporation (HALLIBURTON NUS) has performed assessment and mitigation services for the subject site located at 7601 Alvarado Road in La Mesa, California.

During 1988, La Mesa RV Center removed four underground storage tanks from the subject property. In December 1991, representatives of La Mesa RV Center retained HALLIBURTON NUS to attempt to assess and mitigate potential hydrocarbon impacts to the soil at the site. The attached "Interim Report" presents a synopsis of the efforts of HALLIBURTON NUS to accomplish those tasks and provide recommendations for additional services.

If there are any questions concerning the contents of this report, please contact the undersigned at your convenience.

Sincerely,

David A. Eminhizer
Site Manager

Peter M. Stang
Registered Geologist RG 5219

REGISTERED GEOLOGIST
PETER M. STANG
NO. 5219
Expires: 6/94
STATE OF CALIFORNIA

(2) Addressee
(1) Hazardous Materials Management Division
Attn: Mr. Lars Skinner
(1) Regional Water Quality Control Board
Attn: Mr. James Munch

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Unauthorized Release Report Form
UST Cleanup Fund Claim Application Form
Appendix B, Workplan
Appendix C, Excavation Laboratory Data
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Appendix E, Soil Disposal Manifests and Receipts

August 28, 1992
Project No. 2N60

INTERIM REPORT ON SOIL ASSESSMENT AND MITIGATION

SECTION ONE: INTRODUCTION AND BACKGROUND

INTRODUCTION

This report presents the results of a soil assessment and mitigation efforts conducted for the unauthorized release (UAR No. T0427/H02651-001) reported for a group of four underground storage tanks (USTs) formerly located at 7601 Alvarado Road in La Mesa, California. La Mesa RV Center operated the USTs at the site at the time of the reported UAR and remain the current occupants of the site. The Assessor's Parcel Number for the property is 469-021-02.

Site Location

The subject site, currently occupied by La Mesa RV Center is located at 7601 Alvarado Road in La Mesa, California. The business is engaged in the sale and maintenance of recreation vehicles. The site is located adjacent to, and on the south side of Alvarado Road. Alvarado Creek (a concrete lined channel) bounds Alvarado Road to the north and Interstate 8 bounds Alvarado Creek to the north. Motel "6" bounds the subject property to the east; a steep bank and residential housing bound the subject property to the south; and a drainage channel and mobile home and trailer park bound the site to the west. A gasoline service station, reportedly the site of a UAR, was formerly located several hundred yards to the east of the subject property. The approximate location of the site is presented on the Vicinity Map, Figure No. 1.

Site Improvements

Located on the site are several office, sales, storage, and service/maintenance structures. These facilities are contained in four separate structures, generally constructed of concrete blocks. Most of the subject site has been paved with asphaltic concrete with areas of soil and grass surfaces only along the south and western boundaries of the property and ranging as a strip with

a width generally ranging between 15 and 30 feet. A chain-link fence bounds the property to the east, south, and west. A wrought-iron fence bounds the property to the north with two gates providing access to the site. Most of the site is under surveillance with video cameras to monitoring site security. The Site Plan, presented on Figure 2, presents an approximate depiction of the site.

BACKGROUND

Preliminary Site Visit

A representative of HALLIBURTON NUS previously visited the subject site with Mr. Chris Tomlin of Horizon Hoist Company of San Diego. During the survey of the site, Mr. Tomlin indicated that Alm Services, a local tank removal contractor, had removed four underground storage tanks (UST) from the site on February 22, 1988. The four USTs consisted of one 550 gallon used oil tank, two 550 gallon new oil tanks, and one 2000 gallon regular leaded gasoline tank.

While surveying the site, a concrete patch was observed at the location of the former gasoline UST at the southwest corner of the north service garage. In addition, an asphalt patch was observed at the location of the former oil UST on the south side of the southwest corner of the north service garage. An extensive asphalt parking and driveway complex surrounds the service and sales buildings.

Review of Correspondence and Laboratory Data

A review of the "Abandoned Underground Tank Report", prepared by Mr. Donn Lipera of the San Diego County Department of Health Services-Hazardous Materials Management Division (DHS-HMMD) confirms that four UST's were removed from the site on February 22, 1988. The report further indicates that all of the tanks possessed holes ranging from pinhole size to three-quarters of an inch in diameter. Odors within the excavation were indicated to be slight

with some soil discoloration. Groundwater impact was not noted, although groundwater was observed within the excavation at a depth of seven feet below ground surface. Following the removal of the USTs from the site, La Mesa RV Center submitted an "Unauthorized Release Report" with the HMMD. Copies of the "Abandoned Underground Tank Report", the "Unauthorized Release Report", and the responsible party's UST Cleanup Fund Claim Form are provided in Appendix A.

Correspondence from Mr. Bob Alm to Ms. Vicki Church of the DHS-HMMD, dated March 21, 1988 indicates that Alm Services obtained a total of six soil samples from the bottom of the two excavations. Four of the soil samples were obtained from the excavation, formerly containing the used oil tank and the two new oil tanks. A review of the laboratory results of these four soil samples indicates that total recoverable petroleum hydrocarbon (TRPH) concentrations (EPA Test Method 418.1) in the samples ranged from 3.2 to 2900 milligrams/kilogram (mg/kg). Benzene, toluene, and xylene concentrations (EPA Test Method modified 8020) in one sample were 7.7, 44, and 82 mg/kg , respectively. Two soil samples were obtained from the second excavation, formerly containing a regular leaded gasoline tank. A review of the laboratory results indicates that total petroleum hydrocarbon (TPH) concentrations (EPA Test Method modified 8015) in the samples was 20 and 100 mg/kg. Benzene, toluene, and xylene concentrations in one sample were <0.5, 1.4, and 19 mg/kg (EPA Test Method modified 8020), respectively. Two additional soil samples were obtained from two soil stockpiles generated from the excavation and removal of the four tanks. One soil sample obtained from a 20 cubic yard soil stockpile originating from the oil tank excavation possessed a TRPH concentration of 77 mg/kg. The other soil sample obtained from a 20 cubic yard soil stockpile originating from the gasoline tank excavation possessed a TPH concentration of 20 mg/kg.

3 MONTHS LATER

On May 14, 1988, Mr. Alm reportedly obtained three additional soil samples from the oil tank excavation. A review of the laboratory data for these three soil samples indicates that TRPH concentrations were 250, 340, and 930 mg/kg. Benzene, toluene, and xylene concentrations

(using EPA Method 8020) and solvent concentrations (using EPA Method 8010) were below detection limits.

Based on the information summarized above, it is the understanding of HALLIBURTON NUS that the client's objective is to obtain regulatory site closure of the UAR reported for the site. In accordance with current regulatory guidelines, the horizontal and vertical extent of hydrocarbon impacts to the soil at the site must be estimated and potential impacts to groundwater must be addressed. In the event that hydrocarbon impacts in excess of cleanup standards established by regulatory agencies are encountered, mitigation of this impact may be required by regulatory officials. HALLIBURTON NUS would recommend methods for the mitigation and could provide the necessary equipment and expertise to accomplish any required cleanup.

SECTION TWO: SCOPE OF SERVICES

BACKGROUND

On January 10, 1992, a meeting was conducted at the office of the HMMD for the purpose of obtaining regulatory input concerning a proposed scope of services presented in a "Workplan for Site Assessment and Mitigation" for the La Mesa RV site by HALLIBURTON NUS. Present at the meeting were Mo Lahsaie and Darryl Fowler of the HMMD, James Munch of the RWQCB, James Buckner of La Mesa RV Center, and David Eminhizer of HALLIBURTON NUS. Based on our understanding of the regulatory requirements and La Mesa RV's desire to pursue assessment and eventual closure of the UAR reported for the site, HALLIBURTON NUS proposed and performed the following scope of services.

SCOPE OF SERVICES

- Provided consultation including a review of the proposed workplan with the appropriate representatives of the DHS-HMMD and the San Diego Regional Water Quality Control Board (RWQCB) prior to the commencement of the field activities.

- Prepared a Health and Safety Plan that identified potential health and safety hazards anticipated during the performance of the excavation activities. The plan, prepared prior to the commencement of field activities, was reviewed by all field personnel.

- Reviewed available client "As Built" drawings in an effort to identify the presence of underground utilities in proximity to the proposed excavations.

- Notified Underground Service Alert as required by law and obtained a "Ticket Number" at least 48 hours prior to the commencement of excavation activities.

- Attempted to excavate trenches perpendicular to the perimeter of the excavation sidewalls for the purpose of identifying the contact between the fill and formational soils. Based on the information obtained during the excavation of the perpendicular trenches, perimeter trenches were to be excavated parallel to each sidewall, where possible. Soil samples were to be collected at various depths as necessary to aid in the estimation of the extent of possible hydrocarbon impact to the soil. Based on available information, it was estimated that the trenches would extend to the depth of groundwater or a depth of approximately 13 feet below the ground surface, whichever was less.

- Provided site security with barricades.

- Performed vapor headspace surveys on soil samples collected from the excavations at each former UST location. An organic vapor analyzer (OVA) was used to attempt to obtain indicators of the presence of petroleum hydrocarbons. It should be noted that use of the headspace survey is generally more effective on soil impacted by gasoline than on soils containing used oil.

- Obtained soil samples throughout the performance of the field activities. The soil samples were subjected to analysis by an on-site California Department of Health Services certified mobile laboratory. The results of the laboratory analysis were used to guide additional excavation activities and provide analytical confirmation of the possible extent of hydrocarbon impact to the soil. It was anticipated that approximately 12 soil samples would be obtained and analyzed for the presence of TRPH using EPA Method 418.1. Approximately 12 additional soil samples would be obtained and analyzed for the presence of total petroleum hydrocarbons (TPH) using EPA Method DHS-8015. One soil sample from the used oil excavation soils was analyzed for solvents by EPA Test Method 8010 while a soil sample from the gasoline UST trenching was analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE) by EPA Test Method 8020-modified.

  Quality assurance/control procedures were followed during all excavation and soil sampling activities. Soil samples were placed in laboratory prepared containers and transported to an on site mobile laboratory for analytical testing. Chain-of-custody documentation was provided for the soil samples. Sampling equipment was washed with an Alconox and tap water solution and rinsed with tap water before each sample was collected.

- Segregated soil excavated during the trenching activities at each former UST location according to origin and by estimates of TRPH and TPH concentrations. The soil was stockpiled on-site and placed on, and covered with, visqueen in

accordance with regulatory protocol. The client was responsible for disposition of the stockpiled soil.

- Provided health and safety monitoring during all trenching/excavation activities.
- Filled excavations with rock/gravel and replaced asphalt at the ground surface, as appropriate.
- Prepared this report summarizing the results of the field activities and provided recommendations for additional environmental services, as necessary.
- Provided consultation with the client and representatives of the regulatory agencies following completion of the field activities.

It should be noted that the scope of services referenced above was for a first phase exploration of the possible horizontal and vertical extent of the hydrocarbon impacts to the soil at the site. Based on discussions with regulatory representatives, additional services, consisting of monitoring of the groundwater will likely be required by regulatory agencies.

SECTION THREE: ASSESSMENT AND MITIGATION

PRE-FIELD ACTIVITIES

Review of Background Information

Information relating to the former UST located on the subject site, and the associated UAR reported for the site, was provided to HALLIBURTON NUS by Mr. Chris Tomlin of Horizon Hoist Company and Mr. James Buckner of La Mesa RV Center. The information reviewed was as follows:

- "Abandoned Underground Tank Report" prepared by Mr. Donn Lipera of the HMMD.

- Field notes prepared by Mr. Bob Alm of Alms Services, the underground storage tank removal contractor who removed the four USTs at the site.

- Laboratory data sheets prepared by Quality Assurance Laboratory of San Diego, California.

In addition to the review of this information, HALLIBURTON NUS surveyed the site and conducted informal interviews with a few of the employees at La Mesa RV Center.

Preparation of a Workplan

A "Workplan for Site Assessment and Mitigation" was prepared and submitted to the HMMD and the RWQCB on January 10, 1992 by HALLIBURTON NUS. The plan was prepared after reviewing the above referenced information and the guidelines presented in the HMMD's "Site Assessment and Mitigation Manual". During the meeting with the regulatory representatives on January 10, 1992, comments offered by the regulatory representatives were incorporated into the workplan.

Preparation of a Health and Safety Plan

A "Health and Safety Plan For La Mesa RV Center, La Mesa, California", was prepared by HALLIBURTON NUS prior to the performance of the field activities. Potential health hazards were addressed and action levels for ambient air monitoring in the field were established. These action levels identified situations in which levels of personal health protection are upgraded or field activities are terminated, pending a review of the potential health risks.

The personal protective equipment recommended in the Health and Safety Plan and utilized during field activities included Level D protection consisting of limited dermal protection including hardhats, steel-toed rubber boots, and chemically protective gloves.

FIELD ACTIVITIES/SOIL EXCAVATION

Introduction

Following completion of the pre-field activities, preparations were made to begin the trenching activities at the site during the week of March 9, 1992. Underground Dig Alert was notified of the intent to excavate at the site, with representatives of the various affected utilities visiting the site on Tuesday, March 10, 1992 and Wednesday, March 11, 1992. No commercial utilities were identified in the areas to be excavated, however, a sewer line was identified to the west of the excavation locations.

With concurrence from the HMMD and the RWQCB, and in accordance with the proposed "Workplan", excavation of soil at the site began on Wednesday, March 11, 1992. A copy of the "Workplan is provided in Appendix B. For the ease of presentation and understanding of the progression of the soil excavation field activities, details of the soil assessment and mitigation effort are presented in chronological order.

Completion of Field Activities/Soil Excavation

Wednesday, March 11, 1992. Following a survey of the site by representatives of potentially affected utilities in the area, and confirmation by these representatives as to the location of utilities in the area, removal of concrete and asphalt from the parking lot area adjacent to the west end of the service bays began by mid-morning. This area is identified on the Site Plan, Figure No. 2, as the former fuel tank location. After the asphalt was removed, a trench was excavated in the approximate center of the former UST location. At this time a

PVC water line connecting the service bays was encountered and cut by the backhoe. The existence of the water line was unknown prior to the initiation of the field activities. The water was shut off and the line repaired prior to continuing with the work with the release of approximately 10 gallons of water during the entire event.

The original "Workplan" called for trenching through the center and around the perimeter of each former UST location, however, upon initial excavation of soil from the area of the former location of the fuel UST, it became apparent that soil impacted with petroleum hydrocarbons had been placed back into the excavation following removal of the UST some three years earlier. The first excavation soil sample (LMRV-GES-1) was obtained from the capillary zone at a depth of approximately eight feet Below Ground Surface (BGS) from the center of the former location of the fuel UST. An analysis of the soil sample for total petroleum hydrocarbons (TPH) by an on-site DHS certified mobile laboratory indicated that the soil sample possessed a TPH concentration of 280 milligrams per kilogram (mg/kg) of gasoline and 130 mg/kg of diesel fuel. While only gasoline was reportedly stored in the fuel UST, the presence of diesel fuel suggests that either the fuel UST or the used oil UST had contained diesel fuel at one time.

Since concentrations of TPH exceeding the cleanup level of 100 mg/kg were encountered upon initial excavation of soil at the site, the client was consulted regarding whether he wished to pursue the trenching only or if he wished to removed soil potentially impacted with petroleum hydrocarbons above the cleanup level established for soil at the site. The client opted for soil removal and instructed HALLIBURTON NUS to proceed with soil removal in the area of the former location of the fuel UST.

Thursday, March 12, 1992. Excavation and removal of soil from the area of the former location of the fuel UST resumed in the morning with soil excavated from an area approximately ten foot square by approximately nine feet BGS, approximately one foot below the groundwater surface. Three soil samples were obtained from the north sidewall of the excavation. Soil sample LMRV-GES-2 was obtained at the east end of the north sidewall, from the capillary zone, at a depth of approximately eight feet BGS. Soil sample LMRV-GES-3 was obtained from

the west end of the north sidewall, from the capillary zone, from a depth of approximately eight feet BGS. Soil sample LMRV-GES-4 was obtained from the center of the north sidewall at a depth of approximately 5.5 feet BGS. The spacing between the samples was approximately six feet. An analysis of the three soil samples for TPH indicated that concentrations of TPH were not measured above the detection limit of the laboratory equipment and methods used.

Soil was removed from the excavation to the west end of the service bays with a vertical wall cut flush with the foundation of the building. Further excavation to the east was not possible without undermining the building. Three soil samples were obtained from the east sidewall of the excavation. Soil sample LMRV-GES-5 was obtained from the north end of the east sidewall, approximately five feet south of soil sample LMRV-GES-2 at a depth of approximately 8.5 feet BGS (the capillary zone). Soil sample LMRV-GES-6 was obtained at the south end of the east sidewall, approximately nine feet south of soil sample LMRV-GES-5 at a depth of approximately nine feet BGS (the capillary zone). Soil sample LMRV-GES-7 was obtained from the center of the east sidewall at a depth of approximately 5.5 feet BGS.

An analysis of soil sample LMRV-GES-5 for TPH indicated that concentrations of TPH were not measured above the detection limit of the equipment and methods used. An analysis of soil sample LMRV-GES-6 for TPH indicated a TPH concentration of 920 mg/kg. Odors indicative of oil were detected in the sample, therefore, this soil sample was also analyzed for total recoverable petroleum hydrocarbons (TRPH) using EPA Method 418.1. A review of the laboratory results indicated a TRPH concentration of 27,000 mg/kg. Soil sample LMRV-GES-7 was analyzed for TPH with a concentration of 27 mg/kg detected.

Three soil samples were obtained from the south sidewall of the excavation. Soil sample LMRV-GES-8 was obtained at the east end of the south sidewall, approximately six feet west of soil sample LMRV-GES- 6 at a depth of approximately 8.5 feet BGS (the capillary zone). Soil sample LMRV-GES-9 was obtained from the west end of the south sidewall, approximately six feet west of soil sample LMRV-GES-8, at a depth of approximately 8.5 feet BGS (the

capillary zone). Soil sample LMRV-GES-10 was obtained from the center of the south sidewall at a depth of approximately 6.5 feet BGS.

An analysis of the soil samples indicated that soil sample LMRV-GES-8 possessed a TPH concentration of 470 mg/kg; soil sample LMRV-GES-9 possessed a TPH concentration of 590 mg/kg; and soil sample LMRV-GES-10 did not possess a TPH concentration above the detection limit of the laboratory equipment and methods used.

The excavation was extended to the west several feet where a sewer pipe was encountered running in a north-south direction and bounding the excavation on the west side. The pipe was estimated to be buried at a depth of approximately five to six feet BGS. The existence of the sewer pipe was not identified by the representative of the responsible sewer authority. No further excavation was attempted to the west to avoid causing damage to the pipe.

Three soil samples were obtained from the west sidewall. Soil sample LMRV-GES-11 was obtained from the south end of the west sidewall, approximately six feet north of soil sample LMRV-GES-9, at a depth of approximately 8.5 feet BGS (the capillary zone). Soil sample LMRV-GES-12 was obtained from the north end of the west sidewall, approximately six feet north of soil sample LMRV-GES-11, at a depth of approximately 8.5 feet BGS (the capillary zone). Soil sample LMRV-GES-13 was obtained from the center of the west sidewall at a depth of approximately 6.5 feet BGS.

An analysis of the three soil samples for TPH indicated that soil sample LMRV-GES-11 possessed a TPH concentration of 980 mg/kg; soil sample LMRV-GES-12 possessed a TPH concentration of 140 mg/kg; and soil sample LMRV-GES-13 did not possess TPH at a concentration above the detection limit of the laboratory equipment and methods used.

Soil samples LMRV-GES-11 and LMRV-GES-12 were also analyzed for TRPH by EPA Method 418.1 with 3,300 mg/kg and 450 mg/kg detected, respectively.

The TPH laboratory results are presented on "Table I, Summary of Laboratory Test Results, Fuel Tank Excavation". The TRPH laboratory test results are presented on Table II, Summary of Laboratory Test Results, Fuel Tank Excavation".

The locations of the soil samples are presented on the Site Excavation Plan, Figure No. 3 and on the excavation cross-sections presented on Figure Nos. 4 and 5. The laboratory test results are presented in Appendix C, Excavation Laboratory Results.

Further excavation of soil from the area of the former location of the fuel UST was terminated at this time pending excavation of soil from the area of the former location of the three oil USTs and further analysis of the results obtained from the completed excavation activities.

After stopping any further soil removal from the first excavation at about noon, the excavation contractor moved to the former location of the oil USTs and proceeded to excavate a trench in the center of the former excavation. Within fifteen minutes, it became apparent that soil impacted with petroleum hydrocarbons had been placed into the excavation following the removal of the three 550 gallon tanks some three years earlier. It was decided by the client that soil removal in this area should be performed the same as in the first excavation.

Starting at around noon, soil was removed from the area formerly containing the three oil USTs. The excavation measured approximately ten feet north-south and 20 feet east-west, and extended to a depth of approximately 13 feet BGS. These dimensions appeared to roughly correspond to the dimensions and location of the original excavation created by the tank removal contractor when the tanks were removed. At about 1800 hours the soil removal was stopped pending the results of soil sampling to be performed on Saturday.

Friday, March 13, 1992. The excavation contractor moved the soil from the fuel UST excavation and stockpiled the soil on asphalt at the southwest corner of the property. This stockpile, identified as Soil Stockpile No. 3 on Figure No. 6, Soil Stockpiles, consisted of approximately 100 cubic yards of soil.

Saturday, March 14, 1992. As a result of logistical constraints, the client decided to have the fuel UST excavation backfilled before proceeding with additional excavation activities. The excavation contractor lined the bottom of the excavation with Typar filter fabric and placed three-quarter inch gravel on the filter fabric to a depth of approximately six to seven feet BGS. Typar filter fabric was placed on top of the gravel and the remaining excavation was backfilled to the ground surface with clean imported fill soil.

While backfilling of the fuel UST was being completed, the bottom of the oil UST excavation was being mucked out in preparation for soil sampling. Between thursday night and Saturday morning, groundwater accumulated in the bottom of the excavation and measured a depth of approximately two feet. While the surface of the water was approximately 11 feet BGS, it was apparent that the source of the water was a perched groundwater zone observed on the top of a heavily cemented zone of gravels, cobbles and boulders, encountered at a depth of approximately 6.5 feet BGS. An approximate one foot thick layer of organic soil was observed on top of the cemented zone with water seeping from this organic layer. No water was observed to be flowing from anywhere in the cemented layer.

Following removal of soil that had sloughed into the excavation, three-quarter inch gravel was placed into the excavation to a depth of approximately ten feet BGS to prevent any further sloughing of soil into the water.

The collection of soil samples started on the north sidewall with soil sample LMRV-OES-1 obtained from the east end of the north sidewall, approximately six feet west of the east end of the excavation, at a depth of approximately eight feet BGS, the depth estimated to be the capillary zone from the work performed in the previous excavation. In this excavation, however, this depth was approximately 1.5 feet below the surface of the cemented zone, and no water was observed in this area. Collection of the soil samples from the cemented layer was extremely difficult as penetration with any mechanical means met with great resistance.

Soil sample LMRV-OES-2 was obtained from the center of the east sidewall, approximately five feet south of soil sample LMRV-OES-1, at a depth of approximately eight feet BGS, from the cemented layer. Two soil samples were obtained from the south sidewall, both at a depth of approximately eight feet BGS, from the cemented layer. Soil sample LMRV-OES-3 was obtained approximately six feet west of soil sample LMRV-OES-2 and soil sample LMRV-OES-4 was obtained approximately thirteen feet west of soil sample LMRV-OES-3.

Analysis of these four soil samples for TRPH using EPA Method 418.1 indicated that these soil samples did not possess TRPH concentrations above the detection limit for the laboratory equipment and methods used. These results were not unexpected due to the high degree of cementation observed in this layer.

Based on observations of the excavation, such as groundwater seeping along the horizontal surface of the cemented zone, and a review of the laboratory data it became evident that the organic layer on the horizontal surface (contact) of the cemented zone was the likely location to observe the potential worst case impact created by the petroleum hydrocarbons in the area of this excavation. Some organic soil was observed in the north sidewall at a depth ranging from four to 6.5 feet, with a concentration of organic material observed between 5.5 and 6.5 feet. Soil sample LMRV-OES-5 was obtained from the north sidewall at a depth of approximately five feet BGS, directly above soil sample LMRV-OES-1. An analysis of this sample for TRPH indicated a concentration of 15 mg/kg. Soil sample LMRV-OES-6 was obtained between soil samples LMRV-OES-1 and LMRV-OES-5, at a depth of slightly more than six feet BGS. This soil sample was obtained from the organic layer, directly on top of the cemented layer. An analysis of this soil sample indicated a TRPH concentration of 8,200 mg/kg, supporting the hypothesis that the petroleum hydrocarbons had flowed along the upper surface of the cemented layer.

Following confirmation of the presence of petroleum hydrocarbons on the surface of the cemented layer, soil sample LMRV-OES-7 was obtained from the center of the east sidewall at a depth of slightly more than 5.5 feet BGS. An analysis of this sample indicated that the sample

did not possess concentrations TRPH above the detection limit of the laboratory equipment or methods used.

Soil samples LMRV-OES-8 and LMRV-OES-9 were obtained from the south sidewall at depth of approximately 5.5 feet BGS, from the organic layer on top of the cemented layer. Soil sample LMRV-OES-8 was obtained from a location directly above the location of soil sample LMRV-OES-3 and soil sample LMRV-OES-9 was obtained from an area directly above soil sample LMRV-OES-4. An analysis of the two soil samples indicated that soil sample LMRV-OES-8 did not possess concentrations of TRPH above the detection limit for the laboratory equipment and methods used and that soil sample LMRV-OES-9 possessed a TRPH concentration of 260 mg/kg.

At this time the excavation was extended around the corner of the service bays in the direction of the former location of the fuel UST. It appeared that the petroleum hydrocarbon impact extended to the south end of the previous excavation, therefore it was decided to connect the oil UST excavation with the now backfilled fuel UST location. Figure No. 3, Site Excavation Plan depicts the locations of the excavations and the connection that was made between the two.

From observations made during the collection and analysis of the soil samples, it was decided to remove the overburden soil from between the two excavations to a depth of approximately five feet and treat the soil as potentially clean. This approximate 80 cubic yards of soil was transported to the southwestern corner of the property and placed into a stockpile designated Soil Stockpile No. 2. The location of the stockpile is presented on the Stockpile Location Map, Figure No. 6. Following removal of the overburden soil, potentially impacted soil was removed to a depth of approximately 10 feet BGS. This soil was placed, along with soil from the oil UST location, on a stockpile located at the southwestern corner of the property. The total volume of this stockpile, designated Soil Stockpile No. 4 was estimated to be approximately 200 cubic yards.

Following removal of the soil to below the depth of the groundwater, soil sample LMRV-OES-10 was obtained from the east sidewall, approximately eight feet BGS, directly beneath the foundation of the service bays. An analysis of this soil sample indicated a TRPH concentration of 15,600 mg/kg. Further excavation in this direction was not possible at this time without undermining the service bay structure.

Soil sample LMRV-OES-11 was obtained from the west sidewall at a location approximately across from the location of soil sample LMRV-OES-10. The soil sample was obtained from a depth of approximately eight feet BGS (the capillary zone). An analysis of the sample indicated a TRPH concentration of 16,000 mg/kg.

Soil sample LMRV-OES-12 was obtained from the west sidewall, approximately nine feet west of soil sample LMRV-OES-9, at a depth of approximately eight feet (the capillary zone). An analysis of this sample indicated a TRPH concentration of 18,000 mg/kg.

Soil sample LMRV-OES-13 was obtained from the west sidewall, approximately nine feet north of soil sample LMRV-OES- 12, at a depth of approximately eight feet BGS (the capillary zone). An analysis of this soil sample indicated a TRPH concentration of 23,000 mg/kg.

Further excavation to the west was not attempted at this time due to the presence of a sewer pipeline.

The last excavating to be performed at the site in this phase was completed on the north sidewall of the oil UST excavation. Approximately three feet of the sidewall was removed in an attempt to estimate the possible extent of the TRPH impact on the surface of the cemented layer in that area. Soil sample LMRV-OES-14 was obtained from the north sidewall, approximately six feet east of the corner of the service bay structure, at a depth of approximately six feet. An analysis of this sample indicated a TRPH concentration of 8,000 mg/kg, relatively consistent with the concentration observed in soil sample LMRV-OES-6, previously obtained from this sidewall.

Soil sample LMRV-OES-15 was obtained from the north sidewall, approximately six feet east of soil sample LMRV-OES-14, from a depth of approximately six feet BGS. An analysis of this soil sample indicated a TRPH concentration of 7,700 mg/kg.

Further excavation in the direction of the service bays was not attempted at this time due to the risk of undermining the structure.

The TRPH laboratory results are presented on "Table III, Summary of Laboratory Test Results, Oil Tank Excavation".

The locations of the soil samples are presented on the Site Excavation Plan, Figure No. 3 and on the excavation cross-sections presented on Figure Nos. 4 and 5. The laboratory test results are presented in Appendix C, Excavation Laboratory Results.

Sunday, March 15, 1992. After completing the excavation and soil sampling activities at approximately 2130 hours the night before, the client opted to have the oil UST excavation backfilled to the ground surface with gravel and clean fill soil and pave the excavations at the surface with asphaltic concrete. The excavation contractor placed gravel to a depth of approximately eight to ten feet BGS and placed Typar filter fabric on top of the gravel. Clean fill soil was then placed and compacted into the excavation and the entire excavated area was paved over with asphaltic concrete. These services were completed by the end of the day with normal operations resuming at the facility the following day.

SUMMARY OF FIELD ACTIVITIES AND LABORATORY RESULTS

Soil Excavation

Overburden and hydrocarbon impacted soil was removed at the site from March 11, 1992 through March 15, 1992. Pre-excavation plans were to excavate trench through the center and around the perimeter of each former UST location, however, conditions encountered at the site necessitated the excavation and removal of soil from each of the former UST locations. The presence of the service bay structure and a sewer pipeline limited the extent to which soil could be excavated. In general, where possible, soil was removed until TPH or TRPH concentrations below the cleanup level were encountered.

Soil samples obtained from the north sidewall of the former location of the fuel UST indicate that the extent of the hydrocarbon impact to the soil in that direction had been reached during the excavation activities. Soil samples obtained from the east and south sidewall of the former location of the oil USTs indicates that in general the excavation approached the limit of the hydrocarbon impact in those directions.

Soil samples obtained from the east excavation sidewall along the service bay structure and along the north excavation sidewall of the former location of the oil USTs indicate that both TPH and TRPH concentrations above the cleanup level exist under the corner of the service bay structure. The zone of this impact appears to be generally limited to the capillary zone, a thickness of approximately one foot on the east sidewall and to a zone approximately one half to one foot thick on top of the cemented layer, at a depth of approximately 5.5 to 6.5 feet BGS. The dip of the cemented layer trends in the area of the former oil USTs towards the northwest, in the direction of the former location of the fuel UST.

Soil samples obtained from the west sidewall of both excavations indicate that both TPH and TRPH concentrations in the capillary fringe along that sidewall exceed the cleanup level established for the site. Additional excavation in that direction would have been performed a had a sewer pipeline not bounded the excavation on that side.

Both excavations were backfilled with gravel, Typar filter fabric, and clean import soil. Following completion of the backfilling, the entire excavation area was paved with asphaltic concrete.

Stockpile Disposition

During May 1988, four underground storage tanks (USTs) were excavated and removed from the subject site. Excavation work performed by the contractor generated a soil stockpile of approximately 30 cubic yard capacity from the former gasoline UST location. This soil was stockpiled on-site in the southwest corner of the property. This stockpile was designated as Soil Stockpile #1.

During the performance of the soil assessment and mitigation activities by HALLIBURTON NUS, three soil stockpiles were generated as the result of the excavation of soil from the former fuel tank excavation, a former used and new oil tank excavation (originally containing three tanks), and the area between the two tanks excavations. The approximately 80 cubic yards of soil excavated from the vadose zone between the two former UST locations was identified as Soil Stockpile No. 2. Approximately 100 cubic yards of soil excavated from the former fuel UST location is identified as Soil Stockpile No. 3. Soil Stockpile No. 4, comprising approximately 200 cubic yards of soil was generated from the excavation of soil from the former used and new oil UST location. The soil stockpiled at the site was placed on an asphalt surface and covered with visqueen pending its disposal following regulatory guidelines. The approximate location of the soil stockpiles is depicted on the Stockpile Location Map, Figure 6.

On March 24, 1992, HALLIBURTON NUS personnel obtained 19 soil samples from the four soil stockpiles. The soil samples were randomly selected from the stockpiles following the soil sampling protocol as outlined in the County of San Diego 1992 SA/M Manual, Soil Sampling, Section 3, pages 3 through 7. Three soil samples were obtained from Stockpile No. 1, containing approximately 20 cubic yards of soil (see Figure 6). Four soil samples were obtained from Soil Stockpile No. 2, containing approximately 80 cubic yards of soil and four soil samples were obtained from Soil Stockpile No. 3, containing approximately 100 cubic yards of soil (see Figure No. 6). Eight soil samples were obtained from Soil Stockpile No. 4, containing approximately 200 cubic yards of soil (see Figure No. 6). The soil samples were obtained using an Alconox washed and tap water rinsed stainless steel hand auger, placed in laboratory supplied glassware, and delivered to an on-site California certified mobile laboratory.

Review of laboratory analyses. The soil samples from Soil Stockpile No. 1 were analyzed for total petroleum hydrocarbons (TPH) by the DHS Method. A review of the results indicates that all three samples did not possess TPH concentrations above the laboratory detection limit of 10 milligrams/kilogram (mg/kg). The soil samples from Soil Stockpile No. 2 were analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1 A review of the laboratory results for these samples indicated TRPH concentrations of 156 mg/kg, 82 mg/kg, 73 mg/kg, and 312 mg/kg. The soil samples from Soil Stockpile No. 3 were analyzed for TPH by the DHS Method. A review of the laboratory results indicated that three of the samples possessed TPH concentrations of less than the laboratory detection limit of 10 mg/kg while one sample possessed a TPH concentration of 153.2 mg/kg. The sample possessing the TPH concentration of 153.2 mg/kg was analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE). A review of the laboratory results indicates concentrations of BTXE of 1.190 mg/kg, .410 mg/kg, 1.390 mg/kg, and 1.180 mg/kg, respectively (EPA Method 8020, modified for DHS).

The soil samples from Soil Stockpile No. 4 were analyzed for TRPH by EPA Method 418.1. A review of the laboratory results indicates TRPH concentrations ranging from 156 mg/kg to 24,700 mg/kg. The soil sample possessing a TRPH concentration of 24,700 mg/kg was

analyzed for Title 22 Metals, purgeable halocarbons (EPA Method 8010), total PCBs (EPA Method 8080), cyanide, and flashpoint. For potential disposal purposes, an additional soil sample was obtained on March 31, 1992 from the location of the highest measured TRPH concentration. This sample was analyzed for pH and sulfide. Copies of the laboratory data sheets are provided in Appendix D.

Please note that in addition to the analyses performed on the soil stockpile samples, one soil sample from the gasoline tank excavation was analyzed for BTXE and organic lead. This sample, possessing the highest measured TPH concentration of the soil samples analyzed from the excavation or the stockpiles, possessed a TPH concentration of 980 mg/kg. A review of the laboratory results indicates BTE concentrations of less than the laboratory detection limit of 1.0 ug/kg and a xylene concentration of 585 ug/kg. The organic lead concentration was less than the laboratory detection limit of 0.5 mg/kg (DHS Method). Copies of these laboratory data sheets are provided in Appendix D.

The TRPH laboratory data for the soil stockpiles is provided on Table IV, Summary of Laboratory Test Results, Soil Stockpile. BTXE laboratory results for a soil sample from the fuel tank excavation and from Soil Stockpile No. 2 are provided on Table V, Summary of Laboratory Test Results, Fuel Tank Excavation and soil Stockpile. Laboratory test results for Title 22 metals on a soil stockpile sample are presented on Table VI, Summary of Laboratory Test Results, Soil Stockpile. Miscellaneous laboratory tests required for soil disposal are presented on Table VII, Summary of Laboratory Test Results, Soil Stockpile.

Stockpile statistics. Statistical analysis performed on the three soil stockpiles indicated that Stockpile Nos. 1, 2, and 3 were suitable for disposal at a Class III Landfill while Stockpile No. 4 was not suitable for Class III Landfill disposal.

Based on the results of the analysis of the soil samples obtained from the four soil stockpiles located on the subject site, La Mesa RV Center requested Hazardous Materials Management Division (HMMD) and Regional Water Quality Control Board (RWQCB) approval for the

disposal of Soil Stockpile Nos. 1, 2, and 3, totaling an estimated 200 cubic yards, at the County of San Diego Class III Landfill at Sycamore Canyon. A "Request for Class III Landfill Disposal of Hydrocarbon Contaminated Soil for 7601 Alvarado Road, La Mesa, California" was prepared and submitted to the HMMD and RWQCB on April 27, 1992.

Following an extended period of time in which La Mesa RV Center waited for permission to dispose of the three soil stockpiles at the Sycamore Canyon Class III Landfill, La Mesa RV Center elected to transport all four soil stockpiles to the Class II Landfill located at the Southwest Disposal facility in Somerton, Arizona. On May 25, 1992, the soil in all four stockpiles was transported and recycled at the Southwest Disposal facility. Copies of the Non-hazardous Waste Data Forms and the receipts for disposal are provided in Appendix E.

SITE GEOLOGY AND HYDROGEOLOGY

Geology

The subject site is located in Mission Valley, adjacent to Alvarado Creek. Located at an elevation of approximately 430 feet mean sea level (MSL), the site has been mapped in "Bulletin 200, Geology of the San Diego Area, California" as consisting of soils of the Poway Group, specifically the Stadium Conglomerate Formation. This formation, consisting mostly of non-marine sandstone and coarse cobble conglomerate is characterized by a cobble conglomerate with a dark yellowish brown coarse-grained sandstone matrix. Dispersed lenses of fossiliferous crossbedded sandstone are present as is general cementation of the soil matrix.

Soil encountered during the performance of the assessment and mitigation effort generally consisted of three to five of feet soils ranging from sandy to clayey in character. In the area of the former location of the oil USTs, this soil was underlain by organic soils possessing a silty fine sand matrix. This organic layer was observed to contain visible pieces of decomposed stems and leaves. This organic layer, generally one foot in thickness was underlain by heavily cemented gravels, cobbles, and boulders. Their appeared to be a general dip of the cemented

layer in a northwesterly direction. The cemented layer was generally encountered at a depth of approximately 6.5 feet BGS and extended to the maximum depth explored, approximately 13 feet BGS.

The area between the two excavations was characterized by what appeared to be a bisection of the previously described soil layers. Erosion of the formational material appeared to occur in an east-west trending direction, the general direction of flow of Alvarado Creek. The channel created by the erosion of the formational materials was then apparently filled with unconsolidated alluvial material consisting generally of coarse sand, gravel, cobbles, and boulders. This material was present from a depth of approximately five feet BGS to the maximum depth explored, approximately ten feet BGS.

The area of the former location of the fuel UST was characterized by a continuation of the channel and unconsolidated material observed in the areas between the two excavations.

The soils discussed in this report are depicted on the profiles of the locations of the soil samples. These profiles are provided on Cross-Sections (A-A' and B-B'), Figure No. 4; and on Cross-Sections (C-C' and D-D'), Figure No. 5.

Hydrogeology

A review of the "Comprehensive Water Quality Control Plan, Basin 9", indicates that the subject site is located in the Lower Sweetwater hydrographic subunit of the San Diego hydrographic unit. This RWQCB document dated 1975, designates the groundwater in this area as having beneficial uses for municipal and domestic supply, agricultural supply, and industrial uses. Potentially beneficial uses of this water are for industrial process water and for groundwater recharge.

General cleanup levels for soil and groundwater in beneficial groundwater use areas have been established by the RWQCB. The cleanup level for TPH in soil is generally 100 mg/kg, and 1.0

ug/l for benzene in groundwater. While these are general guidelines, each case is site specific and other levels may be established by the RWQCB.

Groundwater was generally encountered in the area of the former location of the oil USTs in a perched condition, generally seeping along the surface of the cemented layer. Groundwater was not generally observed in the cemented layer.

Groundwater in the area of the former location of the fuel UST was encountered at a depth of approximately 8.5 to 9 feet BGS. The capillary zone was generally observed at a depth ranging between 8 and 9 feet BGS. Soil of the capillary zone was generally characterized by unconsolidated materials consisting of coarse sands, gravel, cobbles, and scattered boulders.

Groundwater level measurements suggesting a general groundwater flow could not be estimated with the available data; however a general flow of groundwater to the northwest towards Alvarado Creek would be anticipated. The presence on cemented conglomerate material and the observation of groundwater at different depths would suggest the area of the site generally possesses areas of perched groundwater at different depths.

CONCLUSIONS

1. Soil and groundwater at the site was impacted by the release of petroleum hydrocarbons (gasoline, diesel, and new and used oil) on the site. Vadose and capillary zone soils were impacted as the hydrocarbons migrated vertically until they reached the groundwater surface. Soil impacted with petroleum hydrocarbons remain beneath the service bays and to the capillary soils to the west of the excavation.

2. Soil possessing TPH and TRPH concentrations above the cleanup level of 100 mg/kg were encountered and removed at the site with the exception of the two areas mentioned in item No. 1. The remaining volume of hydrocarbon impacted soil in these areas is unknown at this time.

3. Groundwater in the area of the excavations appears to have been impacted with petroleum hydrocarbons. The degree of this impact is unknown at this time.

4. Soil totaling approximately 400 cubic yards was excavated and stockpile on-site. Following regulatory protocol, the soil was statistically characterized and eventually transported off-site under non-hazardous waste data forms to the Southwest Disposal facility in Somerton, Arizona. The soils are reportedly being landfarmed and recycled.

5. The excavations created during the soil assessment and mitigation activities were backfilled with gravel and clean fill and paved over at the ground surface with asphaltic concrete.

RECOMMENDATIONS

1. Conduct a meeting with the appropriate regulatory representatives and discuss the results of the mitigation effort and additional work required at the site to complete the mitigation effort. Prepare and present a workplan to regulatory specialists that details the remaining services to be performed.

2. Perform an additional assessment of the extent of petroleum hydrocarbon impact to the soil and the groundwater at the site. This assessment would likely consist of the excavation of backhoe pits and the collection of soil samples to the west of the previously performed excavation activities. In general, this type of soil sampling will be necessary as a result of the cemented soil conditions and the presence of the hydrocarbon impact in a fairly thin capillary zone. Groundwater samples will likely be obtained through the installation of shallow temporary groundwater monitoring wells. The type of drillrig used to advance these wells must be capable of penetrating difficult soils comprised of cemented gravels, cobbles, and boulders.

3. Soil and groundwater samples should be analyzed for TPH, BTXE, and TRPH.

4. Prepare a final report summarizing the results of the additional assessment services performed following the submission of this report, as appropriate.

REPORT LIMITATIONS

This interim report has been prepared for the use of the La Mesa RV Center and for review by Mr. James Munch of the San Diego Regional Water Quality Control Board and Mr. Lars Skinner of the San Diego County Hazardous Materials Management Division.

The client should recognize that the assessment and mitigation effort including soil excavation and limited sampling and laboratory testing described in this report should not be interpreted as a characterization and statistical evaluation of the entire site but is intended to provide confirmation of the effort to assess and mitigate the hydrocarbon impact to the soil at the site created by the release of petroleum hydrocarbons from the USTs formerly located on the site. The assessment and mitigation of hydrocarbon impacts in the area of the former location of the USTs does not preclude the possibility of the presence of hazardous materials in other areas of the site.

The information obtained in assessing and mitigating the hydrocarbon impacts at the site can vary at different times and different locations and the interpolation or extrapolation of such data results in some degree of uncertainty. Additionally, the client should recognize that regulatory agencies possess the final authority relative to site closures and may require the performance of additional services beyond those proposed or performed and described in this report.

Therefore, the conclusions and recommendations presented in this report should only be considered conclusive with respect to the information contained herein. No guarantee of the results presented in this report is implied or intended. All services performed were conducted in accordance with the local standard of care in the geographic region at the time the services were rendered.

APPENDIX C

EXCAVATION LABORATORY DATA

MOBILE ONE LABORATORIES INC.

REPORT SUMMARY

To: Halliburton NUS, Dave Eminhizer

Project: 2N60

Location: La Mesa RV Center
7601 Alvarado Rd., La Mesa, CA

TOTAL PETROLEUM HYDROCARBONS ANALYSIS
(CA DOHS Method)

Date Received: March 12, 1992
Date Extracted/Analyzed: March 12, 1992
Analyst: R. Johnson

Sample Matrix: soil

Field Number	Amount Found (mg/kg)		Detection Limit (mg/kg)	Carbon Range
LMRV-GES-1	280	gasoline	10	C_6 - C_{12}
	130	diesel	10	C_{12} - C_{22}
LMRV-GES-2	nd		10	
LMRV-GES-3	nd		10	
LMRV-GES-4	nd		10	
LMRV-GES-5	nd		10	
LMRV-GES-6	920	gasoline	10	C_6 - C_{12}
LMRV-GES-7	27	gasoline	10	

HN4RPT

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE/ONE
LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

TPH analysis continued

Field Number	Amount Found (mg/kg)		Detection Limit (mg/kg)	Carbon Range
LMRV-GES-8	470	gasoline	10	C_6 - C_{12}
LMRV-GES-9	590	gasoline	10	C_6 - C_{12}
	170	diesel	10	C_{14} - C_{20}
LMRV-GES-10	nd		10	
LMRV-GES-11	980	gasoline	10	C_6 - C_{12}
LMRV-GES-12	140	gasoline	10	C_6 - C_{12}
LMRV-GES-13	nd		10	

J Pick 3/25/92
Reviewed by: J. Picker/date
HN4RPT

nd = not found above the detection limit

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE ONE LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

418.1 ANALYSIS

Date Received:	March 12, 1992
Date Extracted/Analyzed:	March 13, 1992
Analyst:	R. Johnson
Sample Matrix:	soil

Field Number	Amount Found (mg/kg)	Detection Limit (mg/kg)
LMRV-GES-6	27,000	10
LMRV-GES-11	3,300	10
LMRV-GES-12	450	10

J Picker 3/25/92

Reviewed by: J. Picker/date
HN4RPT

nd = not found above the detection limit

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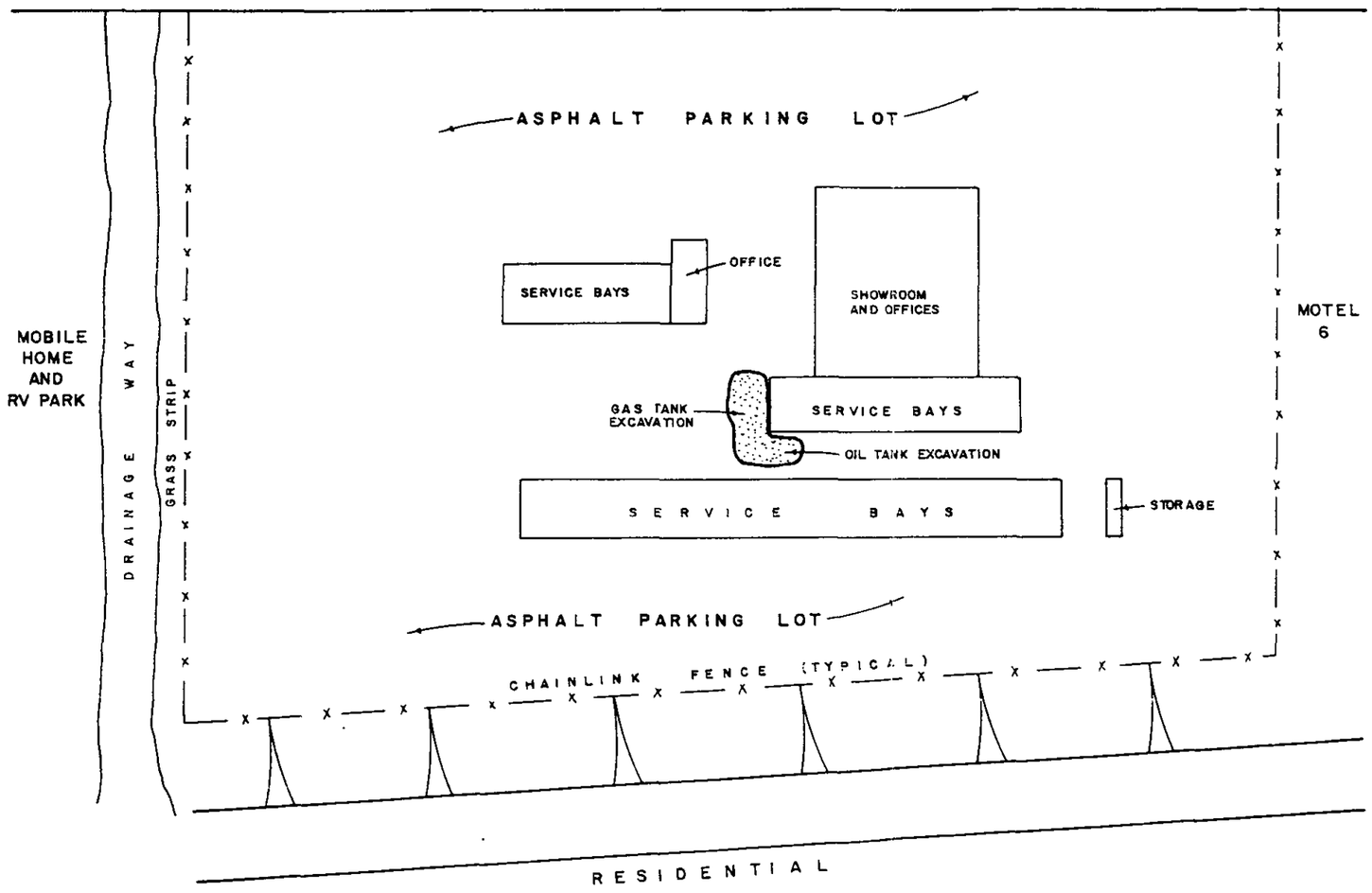


SCALE: 1" = 80'

NOTE MEASUREMENTS ARE APPROXIMATE

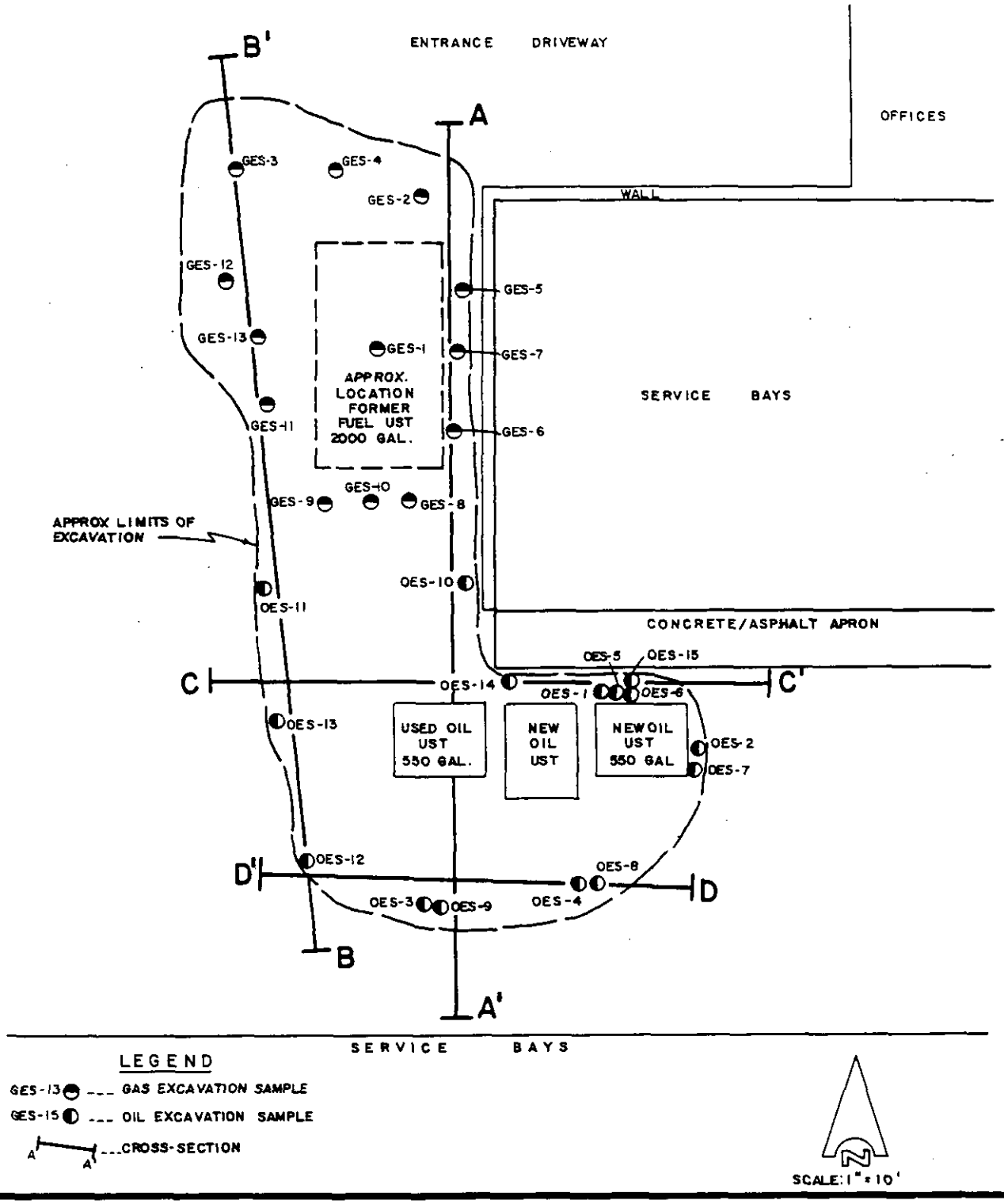
SITE PLAN

LA MESA RV CENTER
LA MESA, CALIF.

PROJECT NO. 2N60
AUGUST 1992 | FIG. NO. 2

HALLIBURTON NUS
Environmental Corporation
16885 WEST BERNARDO DRIVE
SUITE 100
SAN DIEGO, CALIFORNIA 92127

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 3



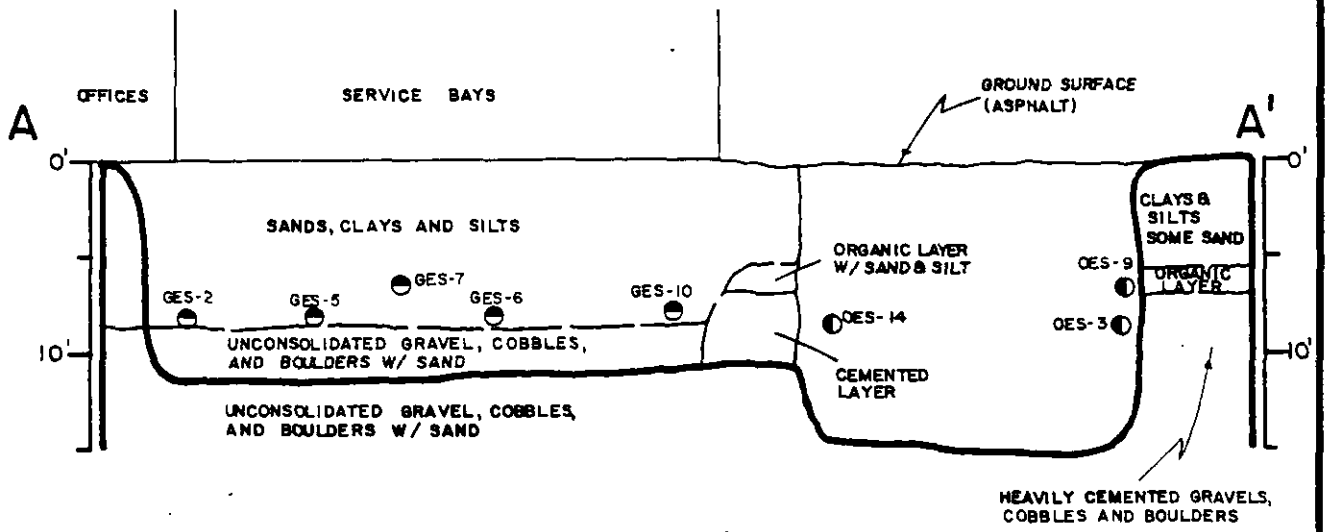
SITE EXCAVATION PLAN

LA MESA RV CENTER

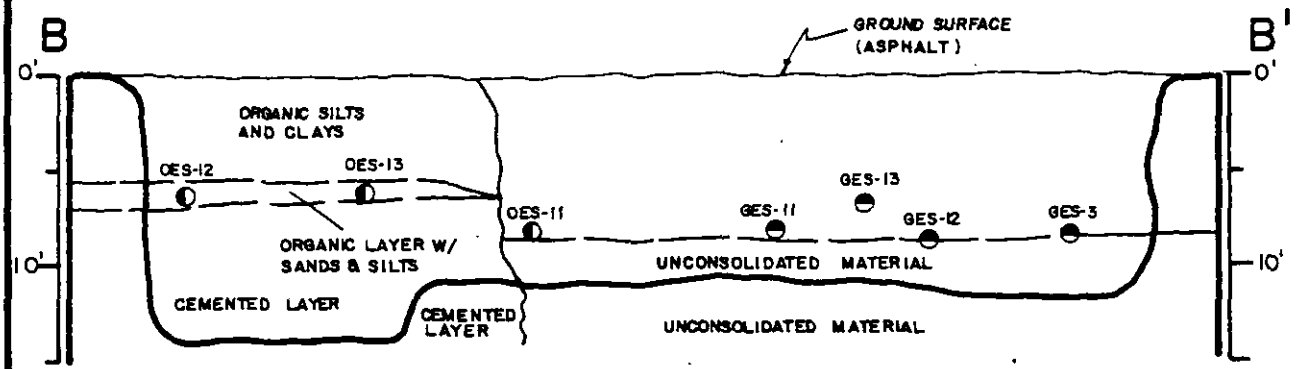
LA MESA, CALIF

HALLIBURTON NUS

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 4



CROSS-SECTION A-A'
(VIEW LOOKING EAST)



CROSS-SECTION B-B'
(VIEW LOOKING WEST)

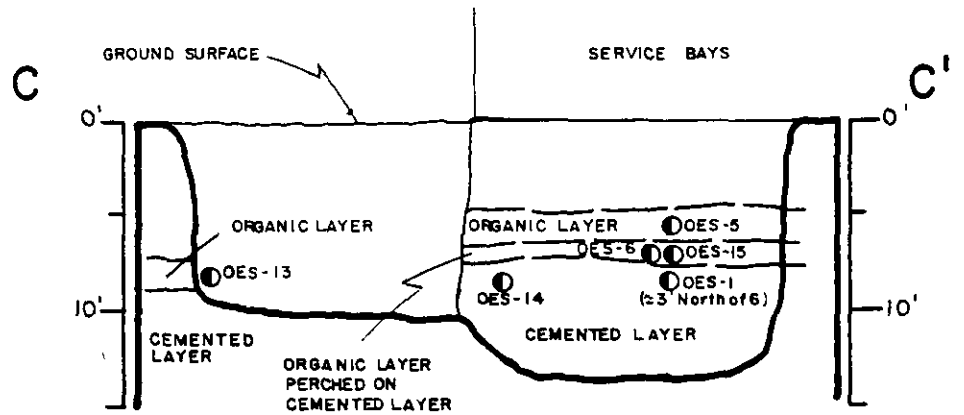
FOR LEGEND SEE FIGURE 3

SCALE: 1" = 10' (HORIZ. = VERT.)

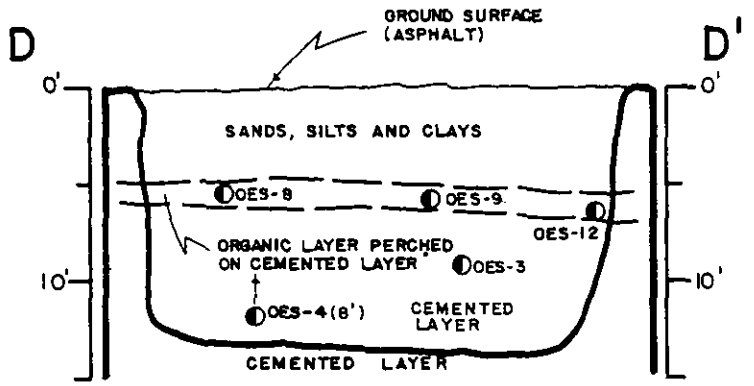
LA MESA RV CENTER
LA MESA, CALIF.

HALLIBURTON NUS

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 5



CROSS-SECTION C-C'
(VIEW LOOKING NORTH)



CROSS-SECTION D-D'
(VIEW LOOKING SOUTH)

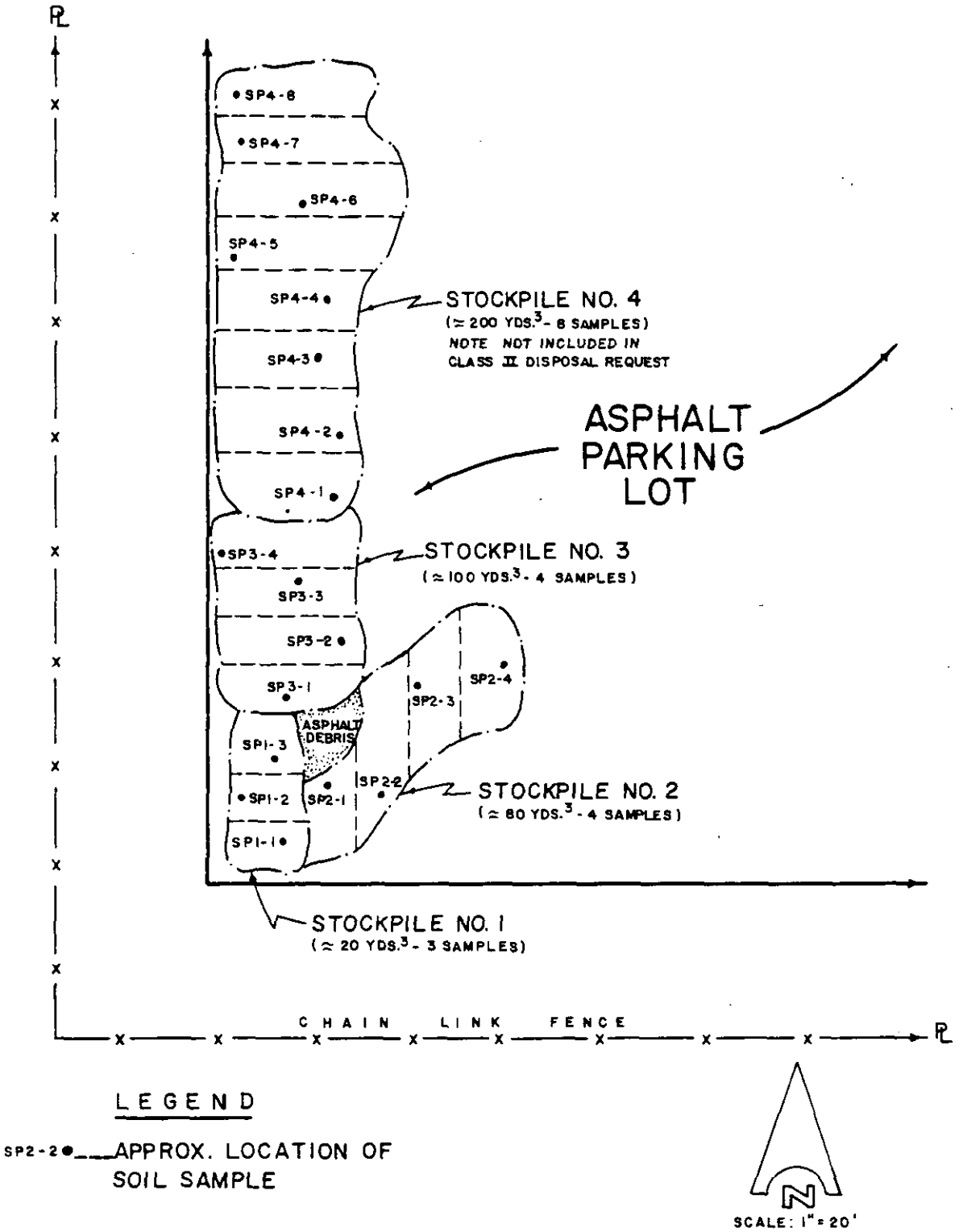
FOR LEGEND SEE FIGURE 3

SCALE: 1" = 10' (HORIZ.=VERT.)

LA MESA RV CENTER

LA MESA, CALIF.

DATE: APRIL 1992 (REV. 1.)	PROJECT NO. 2N60	FIGURE NO. 6



STOCKPILE LOCATION MAP

LA MESA RV CENTER

LA MESA, CALIF.

HALLIBURTON NUS

TABLE I

SUMMARY OF LABORATORY TEST RESULTS
Fuel Tank Excavation
(DHS-TPH Method)

SAMPLE IDENTIFICATION	DEPTH (BGS)[1]	GASOLINE (MG/KG[2])	DIESEL (MG/KG)
LMRV-GES-1	8	280	130
LMRV-GES-2	8	< 10[3] ?	< 10
LMRV-GES-3	8	< 10	< 10
LMRV-GES-4	5	< 10	< 10
LMRV-GES-5	8	< 10	< 10
LMRV-GES-6	9	920	< 10
LMRV-GES-7	5.5	27	< 10
LMRV-GES-8	8.5	470	< 10
LMRV-GES-9	8.5	590	170
LMRV-GES-10	6.5	< 10	< 10
LMRV-GES-11	8.5	980	< 10
LMRV-GES-12	8.5	140	< 10
LMRV-GES-13	6.5	< 10	< 10

TRPH
27,000
3,300
450

1 BGS - Feet Below Ground Surface
2 MG/KG - Milligrams per kilogram
3 < 10 - Concentration not found above the detection limit

Note: < 10 represents equipment/procedure detection limits.

II, III?

TABLE IV

SUMMARY OF LABORATORY TEST RESULTS
Soil Stockpile
(Test Method EPA 418.1)

SAMPLE IDENTIFICATION	DEPTH (BGS[1])	CONCENTRATION (MG/KG[2])	DF[3]
LMRV-SP1-1	2.0	< 10[4]	
LMRV-SP1-2	2.5	< 10	
LMRV-SP1-3	2.5	< 10	
LMRV-SP2-1	2.5	156	
LMRV-SP2-2	2.0	82	
LMRV-SP2-3	2.0	73	
LMRV-SP2-4	1.5	312	
LMRV-SP3-1	1.5	< 10	
LMRV-SP3-2	3.5	< 10	
LMRV-SP3-3	3.0	< 10	
LMRV-SP3-4	2.0	153.2	
LMRV-SP4-1	1.5	2,360	25
LMRV-SP4-2	5.0	4,580	50
LMRV-SP4-3	3.0	2,150	25
LMRV-SP4-4	5.0	2,570	25
LMRV-SP4-5	5.0	4,580	50
LMRV-SP4-6	5.0	1,840	25
LMRV-SP4-7	1.5	24,700	500
LMRV-SP4-8	1.5	156	

1 BGS - Feet Below Ground Surface
2 MG/KG - Milligrams per Kilograms
3 DF - Dilution Factor. The detection limits and analyses results were corrected accordingly.
4 < 10 - Concentration not found above the detection limit

Note: < 10 represents equipment/procedure detection limits.

TABLE V

SUMMARY OF LABORATORY TEST RESULTS
Fuel Tank Excavation and Soil Stockpile
(EPA Test Method 8020)

TARGET COMPOUND	UNITS	SAMPLE[1] LMRV-GES-11	SAMPLE[2] LMRV-SP3-4
BENZENE	ug/kg	<1.0[3]	1,190
TOLUENE	ug/kg	<1.0	410
ETHYLBENZENE	ug/kg	<1.0	1,390
XYLENE	ug/kg	585	1,800
ORG. LEAD[4]	MG/KG	<0.5	N/A

1 Dilution Factor for 8020 analysis method was 10, and the analyses results were corrected accordingly

2 Dilution Factor for 8020 analysis method was 50, and the analyses results were corrected accordingly

3 <1.0 - Concentration not found above the detection limit

4 DHS Analysis Method was utilized - Recommended procedure from "Leaking Underground Fuel Tank Field Manual, May 1988.

N/A Not Analyzed

Note: <1.0 represents equipment/procedure detection limits.

TABLE VI

SUMMARY OF LABORATORY TEST RESULTS
Soil Stockpile Sample LMRV-SP4-7
CCR Title 22 Metals (TTLC)

ANALYSIS	LMRV-SP4-7 (MG/KG[1])
Antimony	<2.50[2]
Arsenic	5.45
Barium	42.9
Beryllium	0.151
Cadmium	<0.400
Chromium	7.30
Cobalt	2.91
Copper	8.47
Lead	26.7
Mercury[3]	<0.050
Molybdenum	0.644
Nickel	1.78
Selenium	<2.50
Silver	<0.200
Thallium	<2.5
Vanadium	33.3
Zinc	52.8

1 MG/KG - Milligrams per Kilogram

2 <2.50 - compound tested for not detected above the analytical method detection limit of 2.50 MG/KG

3 Analysis Method 7471

Note: Test Method 6010 was utilized except were noted

TABLE VII

SUMMARY OF LABORATORY TEST RESULTS
Soil Stockpile

SAMPLE IDENTIFICATION	TARGET COMPOUND	PREP/ANALYSIS	UNITS	RESULT
LMRV-SP4-7	CYANIDE	SW846-9010	MG/KG[1]	0.011
	FLASHPOINT	SW846-1010	DEGREES F°	>212
	TOTAL PCB	3550/8080	MG/KG	<0.05[2]
LMRV-SP4-7A	Ph	SW846-9045		7.33
	SULFIDE	*	MG/KG	0.8

[1] MG/KG - Milligrams per Kilogram

[2] <0.05 - Concentration not found above the detection limit

Note: <0.05 represents equipment/procedure detection limits.

* MOD AOAC 1.013 / STD 4500-C

APPENDIX A

ABANDONED UNDERGROUND TANK REPORT

UNAUTHORIZED RELEASE REPORT FORM

UST CLEANUP FUND CLAIM APPLICATION FORM

HAZARDOUS MATERIALS MANAGEMENT UN..
ABANDONED UNDERGROUND TANK REPORT

EST. # H02651
P.C. # AT 1124

[X] YES FIRE AGENCY [ ] NO

FIRE AGENCY PERMIT # _____

JURISDICTION _____

OF TANKS TO BE ABANDONED FOUR PHONE _____

PHONE _____

SITE NAME/ADDRESS LA MESA RV 7601 ALVARADO RD ZIP 92041

C.G.I. 19 LCL

CONTRACTOR BOB ALM PHONE 561-6048

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
1. Tank ID #					
2. UL #					
3. Capacity (Gallons)	550G	550G	550G	2000G	
4. Material Stored	W.O.	NEW OIL	NEW OIL	REG LEADED GAS	
5. Decontamination:	YES	→	→	→	
Manifest Available?	YES	→	→	→	
6. Tank Inerting: (CGIRDS)	YES	→	→	→	
Dry Ice/Nitrogen (Qty)	10 lbs	→	→	30 lbs	
7. Tank Condition (Holes)	HOLES BOTTOM	HOLES BOTTOM	HOLES	HOLES	
8. Condition of Back Fill & Type	SAND/SOIL DISCOLORED	→	→	SAND/SOIL BACKFILL/GAS ODOR	
9. Condition of Native Soil/Type	CLAY COBBLES	→	→	→	
10. Odors From Excavation?	NONE	→	→	GAS	
11. Ponded Product?	NOT OBSERVED	→	→	→	
12. Ground Water Contamination	SLIGHT ?	→	→	→	
13. Tank Closure In Place	NO	NO	NO	NO	
14. Pipeline Leak Evident?	NO	NO	NO	NO	
15. Reinspection Required?	NO	→	→	→	
16. Reinspection Receipt Available?	N/A	N/A	N/A	N/A	

REMARKS:

1) TANKS CLEANED BY TRIAD - TAKEN TO NRCLD.
2) GROUND WATER OBSERVED AT ≈ 7' IN TANK HOLES.
3) OIL TANKS ALL HAD NUMEROUS HOLES ON THE BOTTOM
4) TANKS TO GO TO PACIFIC STEEL.
5) GAS TANK HAD MANY HOLES IN BOTTOM.

NOTICE: You are hereby notified that on 2/23/88, [illegible] Hazardous Materials Specialist of County Department of Health Services, conducted an inspection for the removal and/or abandonment of FOUR underground storage tanks of hazardous substances. A summary of conditions found is noted as follows:

[ ] No indication of soil or groundwater contamination apparent this date. Excavation may be backfilled.

[X] The conditions noted below must be reported and corrected in accordance with Chapters 6.5 and 6.7 of the California Health and Safety Code and Chapters 9 and 10 of the San Diego County Code.

[ ] Hazardous substance/waste is ponded in the excavation. Immediately take steps to remove the ponded hazardous liquid from the excavation. This liquid is a hazardous waste that shall be properly transported, under manifest, by a licensed hazardous waste hauler to a licensed recycling or disposal facility.

[X] Contaminated soil and/or contaminated groundwater is suspected in the excavation. Determining the extent and impact of this contamination and completing any required clean-up is the responsibility of the tank owner/operator. Within 5 work days, the tank owner/operator or his agent must submit a written UNAUTHORIZED RELEASE REPORT to the Department of Health Services including all of the following information that is known at the time of filing the report:

a. Describe the type, quantity and concentration of the hazardous substance released.
b. Provide the results of all investigations completed at this time to determine the extent of soil, groundwater, or surface water contamination due to the release.
c. Describe the method of cleanup implemented to date, proposed cleanup actions, and approximate costs of actions taken to date.
d. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water. (If any contaminated soil/water is hauled off-site, include copies of the hazard waste manifests).
e. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of proposed activity schedule.

Subsequent mitigation actions will be discussed upon review of the submitted Report and consultation with other appropriate agencies.

- REFER TO REVERSE SIDE FOR ADDITIONAL INFORMATION/REQUIREMENTS -

Received by _____ Hazardous Materials Specialist Signature

Phone # 561-6048

County of San Diego
Department of Health Services
HMMU - 1700 [illegible]
San Diego, CA. 92101-2489
(619) 236-2222

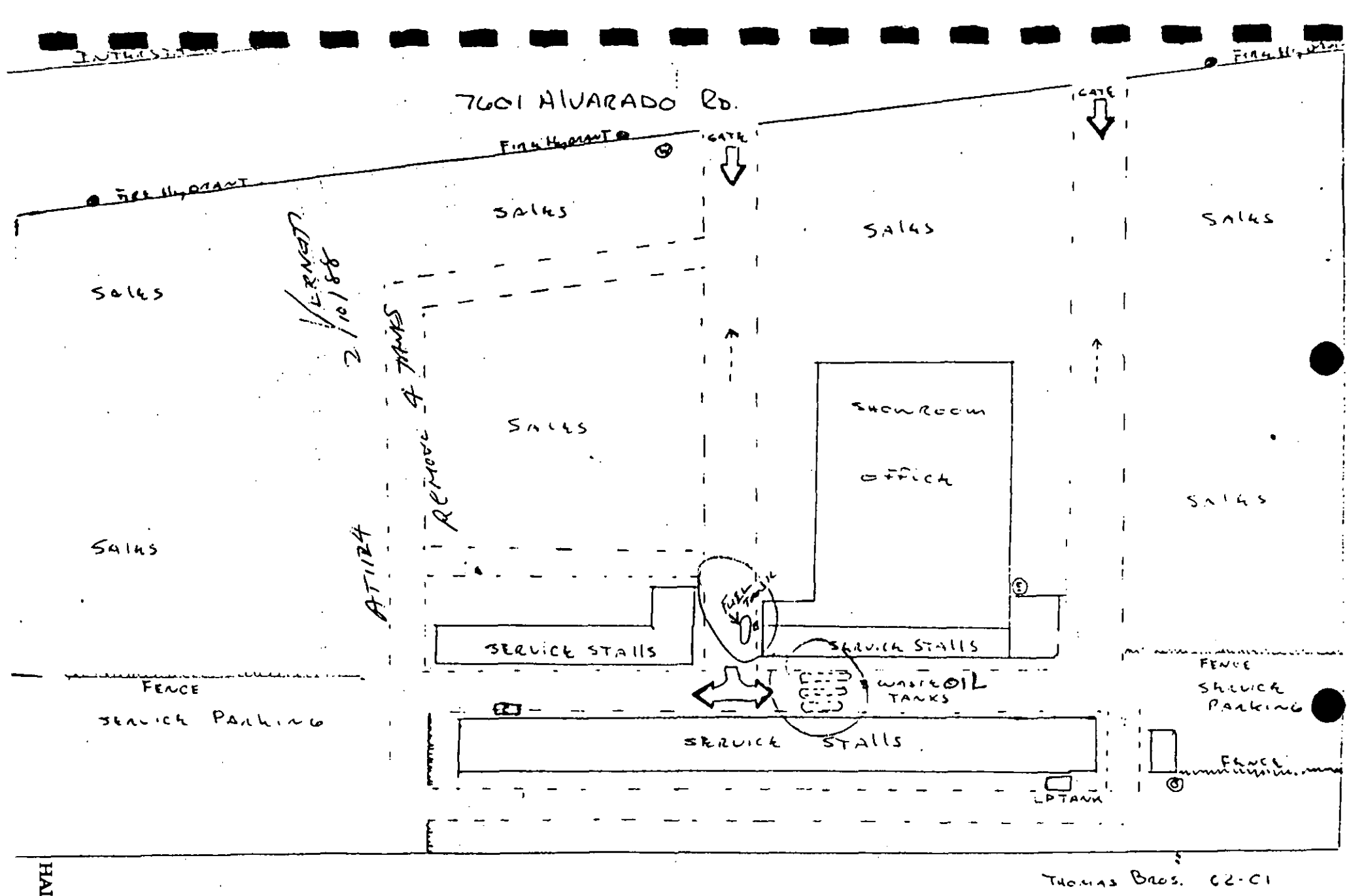
HALLIBURTON NUS

DHS:HM-9160 (11/86)

Field Observations and Notes:

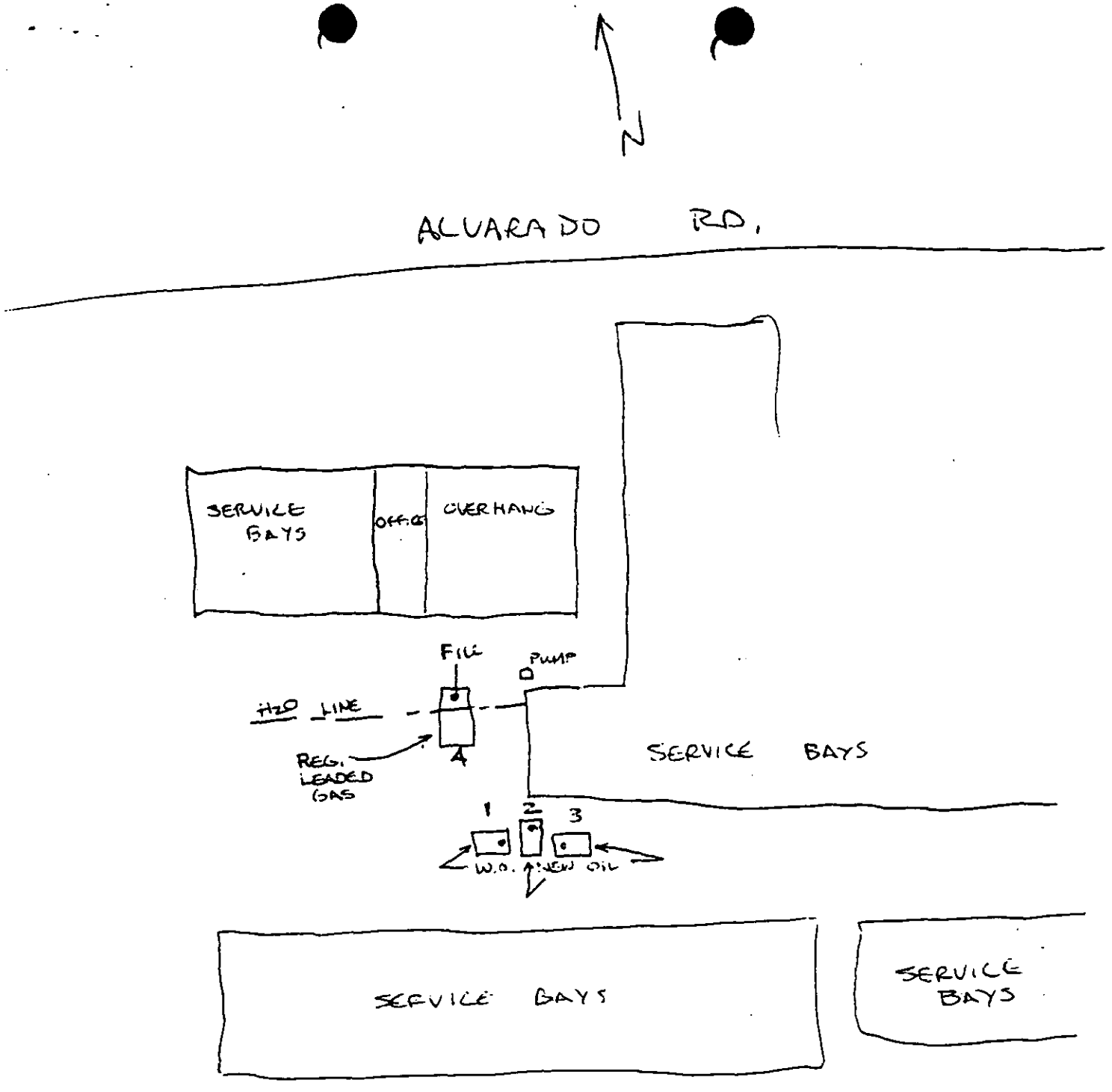
1. Type of hazardous substance released: GASOLINE, W.O., PROD. OIL
2. Is hazardous substance ponded? NOT APPARENT Estimated amount _____
3. Is amount of hazardous substance release known? NO Estimated amount _____
4. Estimated depth to groundwater ≈ 7'
5. Is there an existing or potential beneficial use of the groundwater identified in the Basin Plan? YES
6. Soil conditions:
   a. Is backfill discolored? YES Estimated amount _____
   b. Is backfill saturated? NO Estimated amount _____
   c. Is native soil discolored? SOMEWHAT Estimated amount _____
   d. Is native soil saturated? NO Estimated amount _____
   e. Type of native soil (sandy, clay, etc.) CLAY W/ COBBLES
7. Description of odors from excavation MODERATE GAS
8. Condition of tank (holes, corrosion, deteriorated wrapping, etc.) _____
   ALL TANKS HEAVILY CORRODED WITH MANY HOLES ON THE BOTTOM FROM PINHOLES TO 1/2" - 3/4" IN DIA.
9. Pipeline leak evident? NO
10. Nearby underground vaults or utilities or basements? (Specify) _____
11. Nearby water wells or surface waters? NO
12. Other comments/observations: _____
    SEE ATTACHED DRAWING.

DHS:HM-916 (3/87)



THOMAS BROS. 62-C1

HALLIBURTON NUS


N
ALVARADO RD.
SERVICE BAYS
OFFICE
OVERHANG
FILL
PUMP
H2O LINE
REG. LEADED GAS
4
SERVICE BAYS
1
2
3
W.O.
NEW OIL
SERVICE BAYS
SERVICE BAYS

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO — HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY: I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.

SIGNED _____ DATE _____

REPORT DATE: 04/04/95 — CASE #: T0945-1HQ2651

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: J. BUCKNER — PHONE: (619) 462-5160 — SIGNATURE: [signature]

REPRESENTING: ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____ — COMPANY OR AGENCY NAME: LA MESA RV CENTER

ADDRESS: 2601 ALAMARACHE RD (STREET) — LA MESA (CITY) — CA (STATE) — 92041 (ZIP)

RESPONSIBLE PARTY

NAME: Above ☐ UNKNOWN — CONTACT PERSON: _____ — PHONE: ( )

ADDRESS: Above (STREET) — _____ (CITY) — _____ (STATE) — _____ (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): _____ — OPERATOR: _____ — PHONE: ( )

ADDRESS: Above (STREET) — _____ (CITY) — _____ (COUNTY) — _____ (ZIP)

CROSS STREET: FLETCHER PARKWAY — TYPE OF AREA: ☒ COMMERCIAL ☐ INDUSTRIAL ☐ RURAL ☐ RESIDENTIAL ☐ OTHER _____ — TYPE OF BUSINESS: ☐ RETAIL FUEL STATION ☐ FARM ☒ OTHER RV SALES & SERVICE

IMPLEMENTING AGENCIES

LOCAL AGENCY: - ? City of La Mesa — AGENCY NAME: _____ — CONTACT PERSON: Vickie Church — PHONE: (619) 465-2211

REGIONAL BOARD: - ? Regional Water Quality Control Board — CONTACT PERSON: Dazyl Lawler — PHONE: (619) 265-5114

SUBSTANCE(S) INVOLVED

(1) NAME: Used Engine Oil — QUANTITY LOST (GALLONS): _____ ☐ UNKNOWN

(2) NAME: _____ — QUANTITY LOST (GALLONS): _____ ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 11/24/95 — HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☒ TANK TEST ☒ TANK REMOVAL 2-22-95 ☐ OTHER _____

DATE DISCHARGE BEGAN: _____ ☒ UNKNOWN — METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ REMOVE CONTENTS ☐ REPLACE TANK ☒ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☒ OTHER REMOVE TANK

HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 11/24/95

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☒ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER

TANK(S) ONLY/CAPACITY: 2-600 GAL — AGE 20+ YRS ☐ UNKNOWN

MATERIAL: ☐ FIBERGLASS ☒ STEEL ☐ OTHER _____

CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☒ CORROSION ☐ UNKNOWN ☐ SPILL ☐ OTHER _____

CASE TYPE

CHECK ONE ONLY: ☐ UNDETERMINED ☐ SOIL ONLY ☒ GROUNDWATER ☐ DRINKING WATER (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY: ☒ SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) ☐ CLEANUP IN PROGRESS ☐ SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) ☐ NO ACTION TAKEN ☐ POST CLEANUP MONITORING IN PROGRESS ☐ NO FUNDS AVAILABLE TO PROCEED ☐ EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)

☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ TREATMENT AT HOOKUP (HU) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT) _____

COMMENTS

REMOVAL OF TANKS AND TESTS COST WITH $4,000. THE CONTAMINATED SOIL IS TO BE REMOVED AND SENT FOR HAZARDOUS WASTE SITE. AMOUNT AND COST UNKNOWN AT THIS TIME. CONTRACTOR IS ALAS SERVICES PO BOX 2350 ENCINITAS CA 92046 (760 ALAS)

HSC 05 (5/97)

HALLIBURTON NUS

STATE WATER RESOURCES CONTROL BOARD
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund Program
2014 T Street, Suite 130
Mail: P. O. Box 944212
Sacramento, CA 94244-2120

STATE USE ONLY: (Nov. 1991)

CLAIM NO.	
DATE REC'D	
PRIORITY	REGION

Underground Storage Tank Cleanup Fund
CLAIM APPLICATION

This application provides the required information for placement on the UST Cleanup Fund Priority List. Complete and submit this Application with all required attachments to the address in the above left corner. Only one application is to be submitted per cost. Type or print legibly the required information in the applicable sections below. Refer to the application instructions. Attach additional pages as necessary to explain responses.

I. CLAIMANT IDENTIFICATION

A. CLAIMANT NAME: LA MESA RV CENTER
MAILING ADDRESS: PO BOX 1670
CITY, STATE: LA MESA, CA
ZIP CODE: 91944-1670
TELEPHONE NO.: (619-462-5660

B. CLAIMANT STATUS (CHECK ONE)
[ ] INDIVIDUAL [ ] LOCAL AGENCY
[ ] PARTNERSHIP [XX] CORPORATION
[ ] JOINT VENTURE [ ] OTHER:

C. TAX IDENTIFICATION NO.: 95-2781974
D. CONTACT PERSON: JIM BUCKNER
TELEPHONE NO.: 619,462-5660,X-250

E. IDENTIFY WHETHER CLAIMANT IS FILING AS:
(1) [ ] OWNER OF THE TANK(S) (2) [X] OPERATOR OF THE TANK(S) (3) [ ] BOTH THE OWNER AND OPERATOR OF THE TANK(S)

F. IF FILING AS THE OWNER OR OWNER AND OPERATOR OF THE TANK(S):
DATE SITE WAS ACQUIRED:
DATE SOLD (IF APPLICABLE):
PERSON(S) SOLD TO:
PERSON(S) SITE ACQUIRED FROM (IF AFTER 1/1/84):

NAME:	ADDRESS:	PHONE #:

G. IF FILING AS THE OPERATOR (BUT NOT THE OWNER) OF THE TANK(S):
DATES OF OPERATION: 3-30-71 TO 2-22-88
PERSON(S) THAT OWNED TANK(S) DURING PERIOD OF OPERATION

FROM:	TO:	NAME	ADDRESS:	PHONE #:

H. IDENTIFY TANK OWNER AND OPERATOR AT TIME OF DISCOVERY OF RELEASE

1. NAME OF OWNER: FREDNA L. GUSTAVSON
MAILING ADDRESS: 110 WESTWOOD RD.
CITY, STATE, ZIP CODE: SANTA CRUZ, CA 95060
TELEPHONE NUMBER: ( ) 408-423-6439
2. NAME OF OPERATOR: LA MESA RV CENTER
MAILING ADDRESS: PO BOX 1670
CITY, STATE, ZIP CODE: LA MESA, CA 91944-1670
TELEPHONE NUMBER: (619-462-5660

I. IDENTIFY CURRENT TANK OWNER AND OPERATOR

1. NAME OF OWNER: SAME
MAILING ADDRESS:
CITY, STATE, ZIP CODE:
TELEPHONE NUMBER: ( )
2. NAME OF OPERATOR: SAME
MAILING ADDRESS:
CITY, STATE, ZIP CODE:
TELEPHONE NUMBER: ( )

II. STATEMENT OF COSTS

A. ELIGIBLE CORRECTIVE ACTION COSTS INCURRED TO DATE FOR COMPLETED WORK: (1) $ 3,810.00

B. ESTIMATED ELIGIBLE CORRECTIVE ACTION COSTS TO COMPLETE WORK CURRENTLY UNDERWAY: (2) $ 20,000.00
INDICATE PHASE: (1) [ ] PHASE I (2) [X] PHASE II (3) [ ] PHASE III (4) [ ] PHASE IV

C. ESTIMATED ELIGIBLE CORRECTIVE ACTION COSTS TO COMPLETE NEXT PHASE: (3) $ 50,000.00
INDICATE PHASE: (5) [ ] PHASE I (6) [ ] PHASE II (7) [X] PHASE III (8) [ ] PHASE IV

D. THIRD PARTY COMPENSATION COSTS FOR PERSONAL INJURY/PROPERTY DAMAGE: (4) $
(Submit certified copy of settlement, final judgement, or arbitration award)

E. SUBTOTAL: $ 73,810.00

F. DEDUCTIBLE: $ (10,000)

G. TOTAL COSTS BEING CLAIMED: (5) $ 63,810.00

- HAVE ESTIMATED COSTS BEEN BID? [ ] YES [X] NO

IF NO, IN WHAT MANNER WERE COSTS DERIVED: Consultants assistance on best estimate on initial site investigation (Phase 1)

HALLIBURTON NUS

APPENDIX B

WORKPLAN

December 11, 1991

Mr. James Buckner
La Mesa RV Center
7601 Alvarado Road
La Mesa, California 92041

Attention: Mr. James Buckner

Subject: Environmental Engineering Services
Relating to Unauthorized Release
Case Number T0427/H02651-001
Workplan

Dear Mr. Buckner:

In response to your request, HALLIBURTON NUS Environmental Corporation (HALLIBURTON NUS) is pleased to submit this Workplan proposing environmental engineering services relating to the unauthorized release (UAR) at the La Mesa RV Center. La Mesa RV is located at 7601 Alvarado Road in La Mesa, California.

The information presented below summarizes our understanding of the circumstances associated with the UAR at the site and proposes a scope of work to address these circumstances.

TECHNICAL UNDERSTANDING AND APPROACH

A representative of HALLIBURTON NUS previously visited the subject site with Mr. Chris Tomlin of Horizon Hoist Company of San Diego. During the survey of the site, Mr. Tomlin indicated that Alm Services, a local tank removal contractor, had removed four underground storage tanks (UST) from the site on February 22, 1988. The four UST's consisted of one 550 gallon used oil tank, two 550 gallon new oil tanks, and one 2000 gallon regular leaded gasoline tank.

While surveying the site, a concrete patch was observed at the location of the former gasoline UST at the southwest corner of the north service garage. In addition, an asphalt patch was observed at the location of the former oil UST on the south side of the southwest corner of the north service garage. An extensive asphalt parking and driveway complex surrounds the service

Quality assurance/control procedures would be followed during all excavation and soil sampling activities. Soil samples would be placed in laboratory prepared containers and transported to an on site mobile laboratory for analytical testing. Chain-of-custody documentation would be provided for all soil samples. - Hours required to perform this task are included as part of the excavation activity.

- Segregate soil. Soil excavated during the trenching activities at each former UST location according to origin and by estimates of TRPH and TPH concentrations. The soil would be stockpiled on-site and placed on, and covered with, visqueen in accordance with regulatory protocol. The client would be responsible for disposition of the stockpiled soil.

- Provide health and safety monitoring during all trenching/excavation activities.

- Fill trenches with rock/gravel and replace asphalt and concrete at ground surface, whichever is appropriate.

- Prepare a report summarizing the results of the field activities and provide recommendations for additional environmental services, if required.

- Provide consultation with the client and representatives of the regulatory agencies following completion of the field activities. The purpose of the consultation would be to present the results obtained during the performance of the field activities.

It should be noted that the scope of services referenced above is for a first phase exploration of the possible horizontal and vertical extent of the hydrocarbon impacts to the soil at the site. Based on discussions with regulatory representatives, additional services, consisting of monitoring of the groundwater will be required by regulatory agencies. The nature of the groundwater monitoring activities will be dependent upon the results obtained from the first phase of the exploration activities, consent.

- Notify Underground Service Alert as required by law and obtain a "Ticket Number" at least 48 hours prior to the commencement of excavation activities.

- Sawcut asphalt and concrete in the areas designated for excavation of the trenches.

- Excavate trenches perpendicular to the perimeter of the excavation sidewalls in an attempt to identify the contact between the fill and formational soils. Based on the information obtained during the excavation of the perpendicular trenches, perimeter trenches would be excavated parallel to each sidewall, where possible. Soil samples would be collected at various depths as necessary to aid in the estimation of the extent of possible hydrocarbon impact to the soil. Based on available information, it is estimated that the trenches would extend to the depth of groundwater or a depth of approximately 13 feet below the ground surface, whichever is less.

- Provide site security either with barricades or trench plates.

- Perform vapor headspace surveys on soil samples collected from the trenches at each former UST location. An organic vapor analyzer (OVA) would be used to attempt to obtain indicators of the presence of petroleum hydrocarbons. It should be noted that use of the headspace survey is generally more effective on soil impacted by gasoline than on soils containing used oil. - Hours required to perform this task are included as part of the excavation activities as referenced above.

- Obtain soil samples. Soil samples obtained throughout the performance of the field activities would be subjected to analysis by an on-site California Department of Health Services certified mobile laboratory. The results of the laboratory analysis would be used to guide additional trenching activities and provide analytical confirmation of the possible extent of hydrocarbon impact to the soil. It is anticipated that approximately 12 soil samples would be obtained and analyzed for the presence of TRPH using EPA Method 418.1. Approximately 12 additional soil samples would be obtained and analyzed for the presence of total petroleum hydrocarbons (TPH) using EPA Method DHS-8015. One soil sample from the used oil trenching would be analyzed for solvents by EPA Test Method 8010 while a soil sample from the gasoline UST trenching would be analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE) by EPA Test Method 8020-modified.

On May 14, 1988, Mr. Alm reportedly obtained three additional soil samples from the oil tank excavation. A review of the laboratory data for these three soil samples indicates that TRPH concentrations were 250, 340, and 930 mg/kg. Benzene, toluene, xylene and solvent concentrations were below detection limits.

Based on the information summarized above, it is the understanding of HALLIBURTON NUS that the client's objective is to obtain regulatory site closure of the UAR reported for the site. In accordance with current regulatory guidelines, the horizontal and vertical extent of hydrocarbon impacts to the soil at the site must be estimated and potential impacts to groundwater must be addressed. In the event that hydrocarbon impacts in excess of cleanup standards established by regulatory agencies are encountered, mitigation of this impact may be required by regulatory officials. HALLIBURTON NUS would recommend methods for the mitigation and could provide the necessary equipment and expertise to accomplish any required cleanup.

SCOPE OF SERVICES

Based on our understanding of your requirements as conveyed above, we propose to provide environmental engineering services on behalf of La Mesa RV for the purpose of obtaining regulatory closure of the UAR for the subject site. The scope of services proposed is designed to provide a cost effective approach to attempt to satisfy the goal of site closure. However, following regulatory review of the results of the first phase of services, the performance of additional services may be required.

- Provide consultation including a review of the proposed workplan with the appropriate representatives of the DHS-HMMD and the San Diego Regional Water Quality Control Board (RWQCB) prior to the commencement of the field activities.

- Prepare a Health and Safety Plan that would identify potential health and safety hazards anticipated during the performance of the excavation activities. The plan would be prepared prior to the commencement of field activities and would be reviewed by all field personnel.

- Obtain the services of an underground utility locating service and review available client "As Built" drawings in an effort to identify the presence of underground utilities in proximity to the proposed excavations.

MOBILE/ONE LABORATORIES/INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

418.1 ANALYSIS

Date Received:	March 14, 1992
Date Extracted/Analyzed:	March 14, 1992
Analyst:	R. Johnson
Sample Matrix:	soil

Field Number	Amount Found (mg/kg)	Detection Limit (mg/kg)
LMRV-OES-1	nd	10
LMRV-OES-2	nd	10
LMRV-OES-3	nd	10
LMRV-OES-4	nd	10
LMRV-OES-5	15	10
LMRV-OES-6	8,200	10
LMRV-OES-7	nd	10
LMRV-OES-8	nd	10
LMRV-OES-9	260	10
LMRV-OES-10	15,600	10

HN4RPT

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE ONE LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

418.1 analysis continued

Field Number	Amount Found (mg/kg)	Detection Limit (mg/kg)
LMRV-OES-11	16,000	10
LMRV-OES-12	18,000	10
LMRV-OES-13	23,000	10
LMRV-OES-14	8,000	10
LMRV-OES-15	7,700	10

J Picker 3/25/9~

Reviewed by: J. Picker/date
HN4RPT

nd = not found above the detection limit

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE/ONE LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

TPH ANALYSIS - QC Summary

SPIKED RECOVERIES

Date Analyzed: 03/12/92 Sample size: 10 g F.V.: 10 ml
Sample Matrix: soil

COMPOUND	M3T0312 Found (ppm)	D3T0312 Found (ppm)	Spiked (ppm)	Ave %Rec	QC Limits	%D.	QC Limits
Gasoline	68	75	74	97	(60-130)	9.8	< 15%

Calibration verification was within acceptable limits.

No contamination was found in method blanks at detectable levels.

HN4RPT

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE/ONE LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

Total Recoverable Hydrocarbon Analysis

418.1 - QC Summary

SPIKED RECOVERIES

Date Analyzed: 03/13/92 Sample size: 5 g F.V.: 20 mL
Sample Matrix: soil

Compound	M240313 Found (ppm)	D240313 Found (ppm)	Spiked (ppm)	Ave %Rec	QC Limits	%D	QC Limits
TRPH	105	103	108	96	(60-130)	1.9	< 20%

Calibration verification was within acceptable limits.

No contamination was found in method blanks at detectable levels.

HN4RPT

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 3/11/92 page 1 of 1

Client: Halliburton NUS
~~Address~~: site: La Mesa RV Center
7601 Alvarado Rd.
La Mesa CA
Project: 2N60
Sampler (signature):

Sample No.	Date	Time	Location	Analysis Requested: TPH	Analysis Requested: 418.1	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:	No. of containers	Comments
LMRV-GES-1	3/11/92	1610		X						1	
LMRV-GES-2	3/12/92	1005								1	
LMRV-GES-3		1010								1	
LMRV-GES-4		1015								1	
LMRV-GES-5		1045								1	
LMRV-GES-6		1105			X					1	
LMRV-GES-7		1108								1	
LMRV-GES-8		1125								1	
LMRV-GES-9		1134								1	
LMRV-GES-10		1138								1	

Storage/Shipping Info.: 10 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: David A. Eminhizer	Signature: Becky Johnson	Signature: Becky Johnson	Signature: David A. Eminhizer	Signature:	Signature:
Printed Name: Halliburton NUS	Printed Name: MobileOne Labs	Printed Name: MobileOne Labs	Printed Name: Halliburton NUS	Printed Name:	Printed Name:
Company:	Company:	Company:	Company:	Company:	Company:
Date: 3/12/92 Time: 1715	Date: 3/12/92 Time: 1715	Date: 3/14/92 Time: 2120	Date: 3/14/92 Time: 2120	Date: Time:	Date: Time:

HALLIBURTON NUS
9964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

MOBILE/ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 3/12/92 page 2 of 2

Client: Halliburton NUS
~~Address:~~ Site LaMesa RV Center
7601 Alvarado Rd.
LaMesa CA
Project: 2N60
Sampler (signature):

Sample No.	Date	Time	Location	TPH	418.1					No. of containers	Comments
LMRV-GES-11	3/12/92	1240		X	X					1	
LMRV-GES-12	↓	1245		X	X					1	
LMRV-GES-13	↓	1250		X						1	

Storage/Shipping Info.:

3 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: David A. Emmitzer	Signature: R Johnson	Signature: R Johnson	Signature: David A. Emmitzer	Signature:	Signature:
Printed Name: DAVID A. EMMITZER	Printed Name: Becky Johnson	Printed Name: Becky Johnson	Printed Name: DAVID A. EMMITZER	Printed Name:	Printed Name:
Company: HALLIBURTON NUS	Company: MobileOne labs	Company: MobileOne labs	Company: HALLIBURTON NUS	Company:	Company:
Date: 3/12/92 Time: 1715	Date: 3/12/92 Time: 1715	Date: 3/12/92 Time: 2120	Date: 3/14/92 Time: 2120	Date: Time:	Date: Time:

HALLIBURTON NUS
19964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	MARCH 31, 1992
DATE RECEIVED	MARCH 18, 1992
SAMPLING DATE	MARCH 12, 1992
DATE OF FINAL REVIEW	MARCH 31, 1992
ANALYZED BY	SW MV
SAMPLE TYPE	1 SOIL
PROJECT NUMBER	2N60

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 4963-92C SAMPLE ID: LMRV-GES-11	DF
BENZENE	5030/8020	UG/KG	<1.0	10
TOLUENE	5030/8020	UG/KG	<1.0	10
ETHYLBENZENE	5030/8020	UG/KG	<1.0	10
XYLENE	5030/8020	UG/KG	585	10
ORG. LEAD	DHS	MG/KG	<0.5	2

DHS - RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD MANUAL, MAY 1988

OTHER HEAVIER MOLECULAR WEIGHT HYDROCARBONS DETECTED, NOT QUANTIFIABLE BY METHOD.

DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSES RESULTS WERE CORRECTED ACCORDINGLY.

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

MARCH 30, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #4963-92C THROUGH 4965-92C

DATE EXTRACTED: MARCH 27, 1992 - ORGANIC LEAD

DATE ANALYZED: MARCH 27, 1992 - ORGANIC LEAD

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
ORGANIC LEAD	DHS	108%	118%	0%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL SAMPLE. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
MARCH 30, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #4963-92C THROUGH 4965-92C

DATE ANALYZED: MARCH 24, 1992

EXTRACTION METHOD: 5030
ANALYSIS METHOD: 8020
Concentrations were calculated using a 4 point curve of concentrations 2.5, 5, 10 and 20 ppb.

LABORATORY CONTROL STANDARD
A 15 ppb standard verification was run in the sample set up.

METHOD BLANK
NO TARGET ANALYTES WERE DETECTED IN METHOD BLANK.

COMPOUND	%RECOVERY
Benzene	89%
Toluene	97%
Ethylbenzene	99%
Xylenes	108%

SPIKE DATA
QAL Log #5522-92C was spiked in duplicate with 15 ppb 8020 standard.

COMPOUND	SPIKE % RECOVERY	RELATIVE % DIFFERENCE
Benzene	105%	3%
Toluene	115%	2%
Ethylbenzene	118%	5%
Xylenes	128%*	7%

* LABORATORY-ESTABLISHED CONTROL LIMITS FOR XYLENES:
SPIKE RECOVERY: 70% - 155%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL SAMPLE. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

MOBILE/ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 3/12/92 page 2 of 21

Client: Halliburton NUS
~~Address:~~ Site LaMesa RV Center
7601 Alvarado Rd.
LaMesa CA
Project: 2N60
Sampler (signature):

Sample No.	Date	Time	Location	TPH	418.1	BTEX ONLY	ONHOLD ONLY			No. of containers	Comments
LMRV-GES-11	3/12/92	1240		X	X	X				1	4963-92C } 418.1 + TPH
LMRV-GES-12	↓	1245		X	X		X			1	4964 } already
LMRV-GES-13	↓	1250		X			X			1	4965 } run

Storage/Shipping Info.:

3 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
David A. Eminhizer	R Johnson	R Johnson	David A. Eminhizer	David A. Eminhizer	April Collier
Signature	Signature	Signature	Signature	Signature	Signature
DAVID A. EMINHIZER	Becky Johnson	Becky Johnson	DAVID A. EMINHIZER	DAVID A. EMINHIZER	APRIL COLLIER
Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
HALLIBURTON NUS	Mobile One Labs	Mobile One Labs	HALLIBURTON NUS	HALLIBURTON NUS	QAL
Company	Company	Company	Company	Company	Company
3/12/92 1715	3/12/92 1715	3/12/92 2120	3/14/92 2120	3/18/92 1120	03/18/92 @11:21
Date Time	Date Time	Date Time	Date Time	Date Time	Date Time

HALLIBURTON NUS

19964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

APPENDIX D

STOCKPILE LABORATORY DATA

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	APRIL 9, 1992
DATE RECEIVED	MARCH 31, 1992
SAMPLING DATE	MARCH 31, 1992
DATE OF FINAL REVIEW	APRIL 8, 1992
ANALYZED BY	MM SC
SAMPLE TYPE	1 SOIL
PROJECT NAME	LA MESA RV 2N60

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 5936-92C SAMPLE ID: LMRV-SP4-7A
PH	SW846-9045	UNITS	7.33
SULFIDE	*	MG/KG	0.8

* MOD AOAC 1.013 / STD 4500-C

PETER SHEN
LABORATORY DIRECTOR

PS/ft

2334

Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 3/31/92 Page 1 of 1

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: HALLIBURTON NUS	PROJECT NAME/NUMBER: LAMESA RV 2N60
PROJECT MANAGER: DAVE ENINNIZER	BILLING INFORMATION
ADDRESS: 16855 West Bernardo DR Suite 100, San Diego, CA	BILL TO: SAME
PHONE: (619) 487-8272	ADDRESS:
	PHONE: PO #:

ANALYSIS REQUEST: 7 DAY

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	pH	Sulfide
5936-92C	LMRV-SP4-7A	3/31/92	1435	SOIL		1	X	X

RECEIVED 31 P4 50

SAMPLE INTEGRITY

HOLDING TIME

CORRECT CONTAINER Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:
SIGNATURE: [signature]	3/31/92	SIGNATURE:		SIGNATURE:	
PRINTED NAME: DAVID A ENINNIZER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:
COMPANY: HALLIBURTON NUS	1645	COMPANY:		COMPANY:	
1. RECEIVED BY:	DATE:	**2. RECEIVED BY:**	DATE:	**3. RECEIVED BY:**	DATE:
SIGNATURE: [signature]	3/31/92	SIGNATURE:		SIGNATURE:	
PRINTED NAME: [signature]	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:
COMPANY: QA Lab	1650	COMPANY:		COMPANY:	

SAMPLE RECEIPT	SPECIAL INSTRUCTIONS
RECEIVED ON ICE YES / NO	
TAPE SEAL INTACT YES / NO / NA	
PRESERVATIVE YES / NO	
PRECAUTIONS:	
	TAT REQUESTED: NORMAL 7 DAYS FIRM

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

HALLIBURTON NUS

APRIL 9, 1992

HALLIBURTON NUS ENVIRONMENTAL
TITLE 22 - METALS TTLC
SAMPLE TYPE - SOIL

ANALYSIS	METHOD	LOG NUMBER: 5545-92C SAMPLE ID: LMRV-SP4-7 UNITS: MG/KG
ANTIMONY	6010	<2.50
ARSENIC	6010	5.45
BARIUM	6010	42.9
BERYLLIUM	6010	0.151
CADMIUM	6010	<0.400
CHROMIUM	6010	7.30
COBALT	6010	2.91
COPPER	6010	8.47
LEAD	6010	26.7
MERCURY	7471	<0.050
MOLYBDENUM	6010	0.644
NICKEL	6010	1.78
SELENIUM	6010	<2.50
SILVER	6010	<0.200
THALLIUM	6010	<2.50
VANADIUM	6010	33.3
ZINC	6010	52.8

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	APRIL 9, 1992
ADDITIONAL REQUEST	MARCH 27, 1992
DATE RECEIVED	MARCH 24, 1992
SAMPLING DATE	MARCH 24, 1992
DATE OF FINAL REVIEW	APRIL 8, 1992
ANALYZED BY	SC SW MC EA JM MV
SAMPLE TYPE	1 SOIL

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 5545-92C SAMPLE ID: LMRV-SP4-7
CYANIDE	SW846-9010	MG/KG	0.011
FLASHPOINT	SW846-1010	DEGREES F	>212
TOTAL PCB	3550/8080	MG/KG	<0.05

PETER SHEN
LABORATORY DIRECTOR

PS/ft

APRIL 9, 1992

HALLIBURTON NUS ENVIRONMENTAL
DATE OF EXTRACTION/ANALYSIS: 3/31/92
EXTRACTION METHOD: EPA METHOD 5030
ANALYSIS METHOD: EPA METHOD 8010
PURGEABLE HALOCARBONS
SAMPLE TYPE - SOIL

ANALYSIS	DETECTION LIMIT UG/KG	5545-92C LMRV-SP4-7 UG/KG
DICHLORODIFLUOROMETHANE	45.0	ND
CHLOROMETHANE	2.0	ND
VINYL CHLORIDE	4.5	ND
BROMOMETHANE	29.5	ND
CHLOROETHANE	13.0	ND
TRICHLOROFLUOROMETHANE	12.5	ND
1,1-DICHLOROETHENE	3.3	ND
METHYLENE CHLORIDE	6.0	ND
trans-1,2-DICHLOROETHENE	2.5	ND
1,1-DICHLOROETHANE	1.8	ND
CHLOROFORM	1.3	ND
1,1,1-TRICHLOROETHANE	0.8	ND
CARBONTETRACHLORIDE	3.0	ND
1,2-DICHLOROETHANE	0.8	ND
TRICHLOROETHENE	3.0	ND
1,2-DICHLOROPROPANE	1.0	ND
BROMODICHLOROMETHANE	2.3	ND
2-CHLOROETHYLVINYL ETHER	3.3	ND
cis-1,3-DICHLOROPROPENE	8.5	ND
trans-1,3-DICHLOROPROPENE	5.0	ND
1,1,2-TRICHLOROETHANE	0.5	ND
TETRACHLOROETHENE	0.8	13.0
DIBROMOCHLOROMETHANE	2.3	ND
CHLOROBENZENE	6.0	ND
BROMOFORM	5.0	ND
1,1,2,2-TETRACHLOROETHANE	0.8	ND
1,3-DICHLOROBENZENE	8.0	ND
1,4-DICHLOROBENZENE	6.0	ND
1,2-DICHLOROBENZENE	3.8	ND

SAMPLE DILUTED BY A FACTOR OF 5.
THE DETECTION LIMITS AND ANALYSIS RESULTS WERE CORRECTED ACCORDINGLY
OTHER HEAVIER MOLECULAR WEIGHT HYDROCARBONS DETECTED, NOT QUANTIFIABLE BY METHOD.

ND = NONE DETECTED

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

APRIL 8, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #5545-92C

DATE EXTRACTED: MARCH 30, 1992 - TITLE 22 METALS, PCB
DATE ANALYZED: MARCH 30, 1992 - CYANIDE
MARCH 31, 1992 - FLASHPOINT, MERCURY
APRIL 3, 1992 - PCB, TITLE 22 METALS

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
CYANIDE	SW846-9010	89%	98%	7%
FLASHPOINT	SW846-1010	98%		0%
PCB	3550/8080	105%	91%	6%
TITLE 22 METALS (TTLC)				
ANTIMONY	3050/6010	92%	58%	11%
ARSENIC	3050/6010	102%	78%	6%
BARIUM	3050/6010	91%	76%	17%
BERYLLIUM	3050/6010	94%	80%	12%
CADMIUM	3050/6010	90%	55%	8%
CHROMIUM	3050/6010	92%	60%	15%
COBALT	3050/6010	92%	64%	10%
COPPER	3050/6010	91%	83%	3%
LEAD	3050/6010	92%	40%	0%
MERCURY	7471	102%	88%	17%
MOLYBDENUM	3050/6010	95%	65%	9%
NICKEL	3050/6010	93%	63%	4%
SELENIUM	3050/6010	100%	118%	5%
SILVER	3050/6010	88%	68%	35%*
THALLIUM	3050/6010	90%	54%	21%
VANADIUM	3050/6010	92%	62%	13%
ZINC	3050/6010	92%	63%	1%

* SPIKE CONTAINED HIGH CONCENTRATIONS OF TARGET COMPOUNDS THEREFORE, THE SPIKE PERCENT RECOVERIES WERE HIGH.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES BETWEEN

ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
APRIL 8, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #5545-92C
DATE EXTRACTED: MARCH 31, 1992
DATE ANALYZED: MARCH 31, 1992

EXTRACTION METHOD: EPA 5030
ANALYSIS METHOD: EPA METHOD 8010
METHOD BLANK

NO TARGET ANALYTES WERE DETECTED IN THE METHOD BLANK.

COMPOUND	LABORATORY CONTROL SAMPLE % (15ppb)
CHLOROFORM	101%
TRICHLOROETHANE	100%
CARBONTETRACHLORIDE	103%
1,1-DICHLOROETHANE	73%
CHLOROBENZENE	99%
TETRACHLOROETHENE	103%

SPIKE DATA

Log #5555-92C was spiked in duplicate with a 20 ppb 8010 standard.

COMPOUND	SPIKE %RECOVERY	RELATIVE % DIFFERENCE
CHLOROBENZENE	100%	12%
TRICHLOROETHENE	95%	1%
TETRACHLOROETHENE	92%	17%
1,2-DICHLOROETHANE	96%	8%
CHLOROFORM	84%	11%

A complete list of compounds is available upon request.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

[redacted] 660[redacted]ncy [redacted] Dr[redacted]
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 03[redacted]27[redacted] Page [redacted]

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: HALLIBURTON, NUS	PROJECT NAME/NUMBER: ADD REQ
PROJECT MANAGER: DAVE EMINHIZER	BILLING INFORMATION
ADDRESS: 16885 WEST BERNARDO DRIVE SD CA 92127	BILL TO: SAME
PHONE: (619) 451-2131	ADDRESS:
	PHONE: PO #:

ANALYSIS REQUEST

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	CN - (TOTAL)	FLASHPOINT	8010	PCB (8080)	TITLE 22/TTLC											
15-92	LMRV-SP4-7	03/24/92		SOIL	JAR	1	X	→	→	→	→											

RECEIVED 2 all 12

SAMPLE INTEGRITY

HOLDING TIME	✓	→	→	→	→	→														
CORRECT CONTAINER	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:	SAMPLE RECEIPT	SPECIAL INSTRUCTIONS
SIGNATURE: PHONE	3/27/92	SIGNATURE:		SIGNATURE:		RECEIVED ON ICE YES / NO	
PRINTED NAME: DAVE EMINHIZER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:	TAPE SEAL INTACT YES / NO / NA	
COMPANY: HALLIBURTON	11:12	COMPANY:		COMPANY:		PRESERVATIVE YES / NO	
1. RECEIVED BY:	DATE:	2. RECEIVED BY:	DATE:	3. RECEIVED BY:	DATE:	PRECAUTIONS:	
SIGNATURE: April Collier	3/27/92	SIGNATURE:		SIGNATURE:			
PRINTED NAME: APRIL COLLIER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:		
COMPANY: QAL	11:12	COMPANY:		COMPANY:			TAT REQUESTED: 7-DAY

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

HALLIBURTON NUS

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS
ATTN: DAVE EMINHIZER
16885 W. BERNARDO DR., STE. #100
SAN DIEGO, CA 92127

QUALITY ASSURANCE LABORATORY
MOBILE LAB

(619) 552-3636
6605 Nancy Ridge Drive,
San Diego, CA 92121

Analytical Results Summary

Client Name : Halliburton NUS
Date of Report : March 25, 1992
Sample Date : March 24, 1992
Analysis Date : March 24, 1992
Project Name : La Mesa RV
Sample Type(s) : Soil

Client Mailing Address:

16885 W. Bernardo Dr.
San Diego, CA. 92127
1 (619) 451-2131

Method: DHS Total Petroleum Hydrocarbons
Units: mg/Kg

Log #	Sample I.D.	Hydrocarbon Range - (C4 - C12)
M365-92C	LMRV-SP1-1	<10
M366-92C	LMRV-SP1-2	<10
M367-92C	LMRV-SP1-3	<10
M372-92C	LMRV-SP3-1	<10
M373-92C	LMRV-SP3-2	<10
M374-92C	LMRV-SP3-3	<10
M375-92C	LMRV-SP3-4	153.2

Quality Control Data:

LCS #1	200 ppm	179	89%
MS M372-92C	200 ppm	170	85%
MSD M372-92C	200 ppm	187	RSD=9.6%

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
MOBILE LAB

(619) 552-3636
6605 Nancy Ridge Drive
San Diego, CA 92121

Analytical Results Summary

Client Name : Halliburton NUS
Date of Report : March 25, 1992
Sample Date : March 24, 1992
Analysis Date : March 24, 1992
Project Name : La Mesa RV
Sample Type(s) : Soil

Client Mailing Address:

16885 W. Bernardo Dr.
Suite #100,
San Diego, CA. 92127
1 (619) 451-2131

Method: EPA 418.1
Units: mg/Kg

Log #	Sample I.D.	Total Recoverable Petroleum Hydrocarbons
M368-92C	LMRV-SP2-1	156.0
M369-92C	LMRV-SP2-2	82.0
M370-92C	LMRV-SP2-3	73.0
M371-92C	LMRV-SP2-4	312.0

Quality Control Data:

LCS #1 20 ppm	20.5	103%
LCS #2 20 ppm	21.5	RSD=5%

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE MOBILE LABORATORY
CHAIN OF CUSTODY

COMPANY: HALLIBURTON NUS	SITE CONTACT: DAVE EMINHIZER
PROJECT NAME/NUMBER: LMRV	SAMPLER: SAME

Q.A.LAB LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE LOCATION	CONT TYPE	SAMPLE TYPE	ANALYSIS REQUIRED
M365-92C	LMRV-SP1-1	3/24/92		GLASS	SOIL	TPH
M366-92C	LMRV-SP1-2	"		"	"	TPH
M367-92C	LMRV-SP1-3	"		"	"	TPH
M368-92C	LMRV-SP2-1	"		"	"	TRPH
M369-92C	LMRV-SP2-2	"		"	"	"
M370-92C	LMRV-SP2-3	"		"	"	"
M371-92C	LMRV-SP2-4	"		"	"	"
M372-92C	LMRV-SP3-1	"		"	"	TPH
M373-92C	LMRV-SP3-2	"		"	"	"
M374-92C	LMRV-SP3-3	"		"	"	"
M375-92C	LMRV-SP3-4	"		"	"	"

Lab Departure Time: 0715 Site Arrival: 0745

Site Departure: ____ Estimated Lab Arrival: —

MAIL RESULTS TO HALLIBURTON, NUS
COMPANY: 16885 W. BERNARDO DR.
ADDRESS: STE # 100
STATE: SAN DIEGO CA. ZIP: 92127
ATTN: DAVE EMINHIZER PHONE: 451-2131

RELINQUISHED BY	DATE/TIME	RECEIVED BY
	3/24/92 1645	
RELINQUISHED BY	DATE/TIME	RECEIVED BY

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	MARCH 26, 1992
DATE RECEIVED	MARCH 24, 1992
SAMPLING DATE	MARCH 24, 1992
DATE OF FINAL REVIEW	MARCH 25, 1992
ANALYZED BY	SW MC
SAMPLE TYPE	9 SOIL

MARCH 26, 1992

HALLIBURTON NUS ENVIRONMENTAL
ANALYSES RESULTS
SAMPLE TYPE - SOIL

		ANALYSIS:	TRPH		BENZENE		TOLUENE		ETHYLBENZENE		XYLENE	
		PREP/ANALYSIS	3550		5030		5030		5030		5030	
		METHOD:	EPA 418.1		EPA 8020		EPA 8020		EPA 8020		EPA 8020	
LOG NUMBER	SAMPLE ID	UNITS:	MG/KG	DF	UG/KG	DF	UG/KG	DF	UG/KG	DF	UG/KG	DF
5538-92C	LMRV-SP3-4				1,190	50	410	50	1,390	50	1,800	50
5539-92C	LMRV-SP4-1		2,360	25								
5540-92C	LMRV-SP4-2		4,580	50								
5541-92C	LMRV-SP4-3		2,150	25								
5542-92C	LMRV-SP4-4		2,570	25								
5543-92C	LMRV-SP4-5		4,580	50								
5544-92C	LMRV-SP4-6		1,840	25								
5545-92C	LMRV-SP4-7		24,700	500								
5546-92C	LMRV-SP4-8		156									

TRPH - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSES RESULTS WERE CORRECTED ACCORDINGLY.

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

MARCH 25, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #5538-92C THROUGH 5546-92C

DATE EXTRACTED: MARCH 25, 1992
DATE ANALYZED: MARCH 25, 1992

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
TRPH	3550/418.1	103%	80%	0%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTALBE RANGE IS 80%-120% RECOVERY.
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•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
MARCH 25, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #5538-92C THROUGH 5546-92C

DATE ANALYZED: MARCH 25, 1992

EXTRACTION METHOD: 5030
ANALYSIS METHOD: 8020
Concentrations were calculated using a 4 point curve of concentrations 2.5, 5, 10 and 20 ppb.

LABORATORY CONTROL STANDARD
A 15 ppb standard verification was run in the sample set up.

METHOD BLANK
NO TARGET ANALYTES WERE DETECTED IN METHOD BLANK.

COMPOUND	%RECOVERY
Benzene	80%
Toluene	85%
Ethylbenzene	96%
Xylenes	112%

SPIKE DATA
A QAL Method Blank was spiked in duplicate with 15 ppb 8020 standard.

COMPOUND	SPIKE % RECOVERY	RELATIVE % DIFFERENCE
Benzene	*	*
Toluene	97%	0%
Ethylbenzene	86%	4%
Xylenes	101%	8%

* Method Blank was not spiked with Benzene.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTALBE RANGE IS 80%-120% RECOVERY.
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Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 3/24/92 Page 1 of 1

CUSTOMER INFORMATION

COMPANY: HALLIBURTON, NUS
PROJECT MANAGER: DAVE EMINHIZER
ADDRESS: 16885 W. BERNARDO DR
SAN DIEGO, CA. 92127
PHONE: 619-451-2131
~~504-626-2487-8292~~

PROJECT INFORMATION

PROJECT NAME/NUMBER:

BILLING INFORMATION

BILL TO:
ADDRESS:
PHONE: PO #:

ANALYSIS REQUEST

B/N at Rabbit Lab Prices

24 HR

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	418.1	BTXE
5538 92	LMRV-SP3-4	3/24/92	1130	SOIL	GLASS	1		X
5539	LMRV-SP4-1	"	1548	"	"	1	X	
5540	LMRV-SP4-2	"	1555	"	"	1	X	
5541	LMRV-SP4-3	"	1605	"	"	1	X	
5542	LMRV-SP4-4	"	1610	"	"	1	X	
5543	LMRV-SP4-5	"	1618	"	"	1	X	
5544	LMRV-SP4-6	"	1622	"	"	1	X	
5545	LMRV-SP4-7	"	1628	"	"	1	X	
5546	LMRV-SP4-8	"	1634	"	"	1	X	

STOP ANALYSES IF SAMPLE RESULT IS GREATER THAN 3000 mg/kg - DAVE WILL CALL MIC MORRIS

SAMPLE INTEGRITY

HOLDING TIME
CORRECT CONTAINER

	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
HOLDING TIME	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
CORRECT CONTAINER	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY	DATE:	3. RELINQUISHED BY:	DATE:
SIGNATURE:	3/24/92	SIGNATURE:	3/24/92	SIGNATURE:	
PRINTED NAME: DAVID A. EMINHIZER	TIME: 1645	PRINTED NAME: TOM RICH	TIME: 1739	PRINTED NAME:	TIME:
COMPANY: HALLIBURTON NUS		COMPANY: QA LAB		COMPANY:	
1. RECEIVED BY:	DATE: 3/24/92	2. RECEIVED BY:	DATE: 3/24/92	3. RECEIVED BY:	DATE:
SIGNATURE:	TIME: 1645	SIGNATURE:	TIME: 1816	SIGNATURE:	TIME:
PRINTED NAME: TOM RICH		PRINTED NAME:		PRINTED NAME:	
COMPANY: QA LAB		COMPANY:		COMPANY:	

SAMPLE RECEIPT	
RECEIVED ON ICE	YES / NO
TAPE SEAL INTACT	YES / NO / N/A
PRESERVATIVE	YES / NO
PRECAUTIONS:	

SPECIAL INSTRUCTIONS

TAT REQUESTED: URGENT

HALLIBURTON NUS

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

APPENDIX E

SOIL DISPOSAL MANIFESTS AND RECEIPTS

SOUTHWEST DISPOSAL

RECEIPT OF SOILS AND LANDFARM COMMENCEMENT ADVISORY LETTER

May 28, 1992

To Whom It May Concern:

Soils received by Southwest Disposal on 5-21-92, from La Mesa R.V. Center at 7601 Alvarado Road in La Mesa CA are currently in the process of being landfarmed. Once these soils have reached below California non-hazardous levels (non-detect per STLC, TTLC) they will be used for cover material and roadbase, thus establishing them as a recycled and reused solid waste.

Test results of your soils current level can be made available upon your request. There is a $250.00 charge for testing. You may contact our Montebello office for information concerning testing of landfarmed soils at (213) 724-3918.

The aforementioned soils pertain to Non-Hazardous Data Form numbers: 11283, 11285, 11276, 11278, 11286, 11279, 11281, 11282, 11280, 11291, 11289, 11277.

Sincerely,

Harold A. Arsenian
Hazardous Waste Coordinator

1228 S. 14TH STREET • MONTEBELLO CA 90640 • (213)724-3918
PO BOX 967 • YUMA AZ 85366-0967 • (602)341-9123

NO. 11276

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa, Ca 91941

PHONE NO. 619 462-5600

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE — 5/20/92 DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt Trans.

ADDRESS 350 S. Maple Suite E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona, Ca. 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

HAL SLUNGER — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-21-92 DATE

TRUCK, UNIT, I.D. NO. 202-227

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy. 95 & County 15½

☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO 602-341-9123

DARREL EVANS — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-21-92 DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11277

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91941

PHONE NO. 619-462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE — 5/20/92 DATE

TRANSPORTER

NAME Hoyt Trans. EPA I.D. NO. [redacted]

ADDRESS 350 S. Maple Suite E SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona, Ca 91720 PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 61 62

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME Southwest Disposal EPA I.D. NO. [redacted]

ADDRESS Hwy 95 + County 15½ DISPOSAL METHOD

CITY, STATE, ZIP Somerton Az. 85350 ☐ LANDFILL ☑ OTHER Treatment

PHONE NO. 602-341-9123

DARREN EVANS — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-21-92 DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

HALLIBURTON NUS

#4

NO. 11278

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91941

PHONE NO. 619.462-5160

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt Trans.

ADDRESS 350 S. Maple Suite E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona, Ca. 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 5

ROBERT E. ATKINS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 & County 15½

☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO. 602-341-9123

ROB DARRIN EVANS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11279

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. 5W052192

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa, Ca. 91941

PHONE NO. 619-462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt Trans.

ADDRESS 350 S. Maple Suite E.

CITY, STATE, ZIP Corona, Ca 91720

SERVICE ORDER NO. _____

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 440

DON FARIS Don Faris 5/21/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

ADDRESS Hwy 95 + County 15½

CITY, STATE, ZIP Somerton, Az. 85350

PHONE NO. 602-341-9123

DISPOSAL METHOD

☐ LANDFILL ☑ OTHER Treatment

DARREN EVONS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

#9

NO. 11280

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME La Mesa RV Center — EPA I.D. NO. [redacted]

ADDRESS 7601 Alvarado Rd. — PROFILE NO. [redacted]

CITY, STATE, ZIP La Mesa Ca. 91944 — PHONE NO. 619, 462-5660

CONTAINERS: No. 1 — VOLUME _____ — WEIGHT 23tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil — GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead HIC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME Holt Trans. — EPA I.D. NO. [redacted]

ADDRESS 350 S. Maple Suite E. — SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca. 91720 — PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. T301 60TR — 5/21/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME Southwest Disposal — EPA I.D. NO. [redacted]

ADDRESS Hwy 95 & County 15½ — DISPOSAL METHOD: ☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO. 602-341-9123

DARREN EVANS — 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

#7

NO. 11281

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

ADDRESS 7601 Alvarado Rd.

PROFILE NO. [redacted]

CITY, STATE, ZIP La Mesa Ca. 91944

PHONE NO. 619 462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	7 pm 2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt. Trans.

ADDRESS 350 S. Maple Suite

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 50

Greg Lopez 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 + County 15 1/2

☐ LANDFILL ☑ OTHER _____

CITY, STATE, ZIP Somerton, Az. 85350

Treatment

PHONE NO. 602-341-9123

DARREN EVANS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11282

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91941

PHONE NO. 619-462-5160

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

James R. Kimbrell 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt Trans.

ADDRESS 350 S. Maple Suite E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca. 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 40-

Traci A. Ballard 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy. 95 + County 15 1/2

☐ LANDFILL ☑ OTHER _____

CITY, STATE, ZIP Somerton Az 85350

Treatment

PHONE NO. 602-341-9123

Darren Evans 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11283

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91944

PHONE NO. 619-462-5601

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hart Trans.-Surrance

ADDRESS 350 S. Maple Suite E

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca. 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 556

Michael J Clay 5/21/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

DISPOSAL METHOD

NAME Southwest Disposal

ADDRESS Hwy 95 + County 15 1/2

☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO 602-341-9123

Darren Evans 5-21-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

HALLIBURTON NUS

NO. 11285

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

ADDRESS 7601 Alvarado Rd.

PROFILE NO. [redacted]

CITY, STATE, ZIP La Mesa Ca. 91944

PHONE NO. 619.462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hout Trans.

ADDRESS 350 S. Maple Suite E

SERVICE ORDER NO. 12781

CITY, STATE, ZIP Corona Ca. 91720

PICK UP DATE 5-21-92

PHONE NO. 714-734-3191

60-50T TRUCK, UNIT, I.D. NO. 307629

Frank Rodriguez [signature] 5/21/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 + County 15 1/2

☐ LANDFILL ☑ OTHER _____

CITY, STATE, ZIP Somerton Az. 85350

Treatment

PHONE NO. 602-341-9123

DARREN EVANS [signature] 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11286

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91944

PHONE NO. 619.462-5600

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE — 5/20/92 DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hart. Trans.

ADDRESS 360 S. Maple Suite E

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca. 91720

PICKUP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 10-10A

Peter Minetti — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-20-92 DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 + County 15 1/2

☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO. 602-311-9173

Darren Evans — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-21-92 DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HW/DF NONE

DISCREPANCY

NO. 11289

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA CA 91944

PHONE NO. 619 462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA, CA 91720

PICK UP DATE 5-21-92

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 5-4

DUANE ULRICH Duane Ulrich 5/21/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS HWY 95 & COUNTY 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

DARLENE EVANS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HW/DF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11291

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619 462-5600

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HEIT TRANS.

ADDRESS 350 S. Maple Suite E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. CT3T12

Edward J Richardson 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS Hwy 95 & County 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

DARREN EVANS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

SOUTHWEST DISPOSAL

RECEIPT OF SOILS
AND
LANDFARM COMMENCEMENT
ADVISORY LETTER

May 28, 1992

To Whom It May Concern:

Soils received by Southwest Disposal on 5-22-92, from La Mesa R.V. Center at 7601 Alvarado Road in La Mesa CA are currently in the process of being landfarmed. Once these soils have reached below California non-hazardous levels (non-detect per STLC, TTLC) they will be used for cover material and roadbase, thus establishing them as a recycled and reused solid waste.

Test results of your soils current level can be made available upon your request. There is a $250.00 charge for testing. You may contact our Montebello office for information concerning testing of landfarmed soils at (213) 724-3918.

The aforementioned soils pertain to Non-Hazardous Data Form numbers: 11292, 11295, 11296, 11299, 11297, 11298, 11293, 11294.

Sincerely,

Harold A. Arsenian
Hazardous Waste Coordinator

1228 S. 14TH STREET • MONTEBELLO CA 90640 • (213)724-3918
PO BOX 967 • YUMA AZ 85366-0967 • (602)341-9123

HALLIBURTON NUS

NO. 11292

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD.

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619,462-5260

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME HOYT TRANS.

EPA I.D. NO. [redacted]

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

CT-6 TRUCK, UNIT, I.D. NO. T-10

GREG KNOTH 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME SOUTHWEST DISPOSAL

EPA I.D. NO. [redacted]

ADDRESS HWY 95 & COUNTY 15 1/2

DISPOSAL METHOD

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP ~~[illegible]~~ SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

Melanie Davis 5/22/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3005

NO. 11293

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619-462-5600

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

James R. Kimbrell

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE

5/20/92 — DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 440

DON FARIS — TYPED OR PRINTED FULL NAME & SIGNATURE

Don Faris 5/22/92 — DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS Hwy 95 & County 15 1/2

☐ LANDFILL ☒ OTHER TREATMENT

CITY, STATE, ZIP Somerton, AZ 85350

PHONE NO. 602-341-9123

S. SCOTT MAGANA

TYPED OR PRINTED FULL NAME & SIGNATURE

22 MAY 92 — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3086

NO. 11294

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619.462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS.

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA, CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

HAL HULSINGER 5-22-92

TRUCK, UNIT, I.D. NO. 202-227

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS HWY 95 & COUNTY 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

S. SCOTT MANAGER

5-22-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

HALLIBURTON NUS

NO. 11295

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

ADDRESS 7601 ALVARADO RD

PROFILE NO. [redacted]

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619,462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUTE E.

SERVICE ORDER NO. 12782

CITY, STATE, ZIP CORONA, CA 91720

PICK UP DATE 5-22-92

PHONE NO. 714-734-3191

60 SOT 307629 FRANK RODRIGUEZ 5-22-92

TRUCK, UNIT, I.D. NO. TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS Hwy 95 & County, 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123 S. SCOTT MAGAÑA

22 MAY 92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3001

NO. 11296

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD.

CITY, STATE, ZIP LA MESA, CA 91941

PHONE NO. 619 462-5060

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA, CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 10-10A

PETER MINETTI 5-21-9

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS HWY 95 & COUNTY 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON, AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

S. SCOTT MAGAÑA

TYPED OR PRINTED FULL NAME & SIGNATURE

21 MAY 92

DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3004

NO. 11297

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619,462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE

5/20/92 — DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. #5 #3

ROBERT E. ATKINS — TYPED OR PRINTED FULL NAME & SIGNATURE

5-21-92 — DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS HWY 95 & COUNTY 15 1/2

☐ LANDFILL ☒ OTHER TREATMENT

CITY, STATE, ZIP SOMERTON, AZ. 85350

PHONE NO. 602-341-9123

S. SCOTT MACARO

TYPED OR PRINTED FULL NAME & SIGNATURE

MAR 92 — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3003

NO. 11298

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619.462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS.

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA CA 91720

PICK UP DATE 5-22-92

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. S-4

DUANE W. RICH — 5-22-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 & County 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP Somerton, AZ 85350

TREATMENT

PHONE NO. 602-341-9123

S. Scott MAGANN

22 MAY 92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3002 Yellow

NO. 11299

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LA MESA RV CENTER — EPA I.D. NO. [redacted]

ADDRESS 7601 ALVARADO RD. — PROFILE NO. 5005292

CITY, STATE, ZIP LA MESA, CA 91941 — PHONE NO. 619,462-5060

CONTAINERS: No. 1 — VOLUME ____ — WEIGHT 23 TONS.

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER ____

WASTE DESCRIPTION Contaminated Soil — GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE — 5/20/92 DATE

TRANSPORTER

NAME HOYT TRANS. — EPA I.D. NO. [redacted]

ADDRESS 350. S. MAPLE SUITE E. — SERVICE ORDER NO. ____

CITY, STATE, ZIP CORONA CA 91720 — PICK UP DATE ____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 61 & 62 — Don Neva — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-22-92 DATE

TSD FACILITY

NAME SOUTHWEST DISPOSAL — EPA I.D. NO. [redacted]

ADDRESS HWY 95 & COUNTY 15 1/2 — DISPOSAL METHOD: ☐ LANDFILL ☒ OTHER ____

CITY, STATE, ZIP SOMERTON AZ. 85350 — TREATMENT

PHONE NO. 602-341-9123 S. SCOTT MAGAÑA

TYPED OR PRINTED FULL NAME & SIGNATURE — 22 MAY 92 DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

SOUTHWEST DISPOSAL

RECEIPT OF SOILS
AND
LANDFARM COMMENCEMENT
ADVISORY LETTER

May 28, 1992

To Whom It May Concern:

Soils received by Southwest Disposal on 5-25-92, from La Mesa R.V. Center at 7601 Alvarado Road in La Mesa CA are currently in the process of being landfarmed. Once these soils have reached below California non-hazardous levels (non-detect per STLC, TTLC) they will be used for cover material and roadbase, thus establishing them as a recycled and reused solid waste.

Test results of your soils current level can be made available upon your request. There is a $250.00 charge for testing. You may contact our Montebello office for information concerning testing of landfarmed soils at (213) 724-3918.

The aforementioned soils pertain to Non-Hazardous Data Form numbers: 11300.

Sincerely,

Harold A. Arsenian
Hazardous Waste Coordinator

1228 S. 14TH STREET • MONTEBELLO CA 90640 • (213)724-3918
PO BOX 967 • YUMA AZ 85366-0967 • (602)341-9123

NO. 11300

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LA MESA RV CENTER — EPA I.D. NO. [redacted]

ADDRESS 7601 ALVARADO RD. — PROFILE NO. [redacted]

CITY, STATE, ZIP LA MESA, CA 91944 — PHONE NO. 619.462-5660

CONTAINERS: No. 1 — VOLUME — WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION CONTAMINATED Soil — GENERATING PROCESS VST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.009	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS:

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME HOYT TRANS. — EPA I.D. NO. [redacted]

ADDRESS 350 S. MAPLE SUITE E. — SERVICE ORDER NO.

CITY, STATE, ZIP CORONA, CA 91720 — PICK UP DATE

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 30

Erica Lopez — Erica Lopez — 5-22-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME SOUTHWEST DISPOSAL — EPA I.D. NO. [redacted]

ADDRESS Hwy 95 & County 15½ — DISPOSAL METHOD

CITY, STATE, ZIP Somerton Az 85350 — ☐ LANDFILL ☒ OTHER TREATMENT

PHONE NO. 602-341-9123

[illegible] — 5/25/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

SOUTHWEST DISPOSAL

RECEIPT OF SOILS
AND
LANDFARM COMMENCEMENT
ADVISORY LETTER

May 28, 1992

To Whom It May Concern:

Soils received by Southwest Disposal on 5-23-92, from La Mesa R.V. Center at 7601 Alvarado Road in La Mesa CA are currently in the process of being landfarmed. Once these soils have reached below California non-hazardous levels (non-detect per STLC, TTLC) they will be used for cover material and roadbase, thus establishing them as a recycled and reused solid waste.

Test results of your soils current level can be made available upon your request. There is a $250.00 charge for testing. You may contact our Montebello office for information concerning testing of landfarmed soils at (213) 724-3918.

The aforementioned soils pertain to Non-Hazardous Data Form numbers: 11301.

Sincerely,

Harold A. Arsenian
Hazardous Waste Coordinator

1228 S. 14TH STREET • MONTEBELLO CA 90640 • (213)724-3918
PO BOX 967 • YUMA AZ 85366-0967 • (602)341-9123

NO. 11301

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LA MESA RV CENTER — EPA I.D. NO. [redacted]

ADDRESS 7001 ALVARADO RD. — PROFILE NO. [redacted]

CITY, STATE, ZIP LA MESA CA 91944 — PHONE NO. 619 462-5060

CONTAINERS: No. 1 — VOLUME — WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION CONTAMINATED SOIL — GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS:

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — 5/20/92
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME HOYT TRANS. — EPA I.D. NO. [redacted]

ADDRESS 350 S. MAPLE SUITE E. — SERVICE ORDER NO.

CITY, STATE, ZIP CORONA CA 91720 — PICK UP DATE 5-22-92

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 80

Mike Hoyt — 5-22-92
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME SOUTHWEST DISPOSAL — EPA I.D. NO. [redacted]

ADDRESS HWY 95 & COUNTY 15 1/2 — DISPOSAL METHOD

CITY, STATE, ZIP SOMERTON AZ. 85350 — ☐ LANDFILL ☒ OTHER TREATMENT

PHONE NO. 602-341-9123

Melissa Mejia — 5/23/92
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

HALLIBURTON NUS

RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

TICKET#: 2108 DATE: 08-23-92 TIME 17:08
CUSTOMER 0
FLOW# 2 JOB 0 PO#

GROSS 29.40TON
TARE 19.37TON

NET 10.03TON

RATE 1 $8.50 PER TON -MINIMUM DUE:
$0.00

CUSTOMER SIGNATURE:

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
T TKT#: 8151 DATE: 05-25-92 TIME 08:59
CUSTOMER 0
TRUCK# 1 JOB 0 PO#

GROSS 40.00TON
TARE 15.23TON

NET 24.77TON

RATE @ $8.50 PER TON -MINIMUM DUE:
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****
CEIVED AT:
OUTHERN SANITATION
MA ARIZONA
****
WT TKT#: 1 DATE: 05-21-92 TIME 23:36
STOMER C
UCK# 1 JOB 0 PO#

GEE 38.56TON
RE 16.34TON

22.22TON

TE @ $0.00 PER TON -AMOUNT DUE :
$0.00

STOMER SIGNATURE:
****

[redacted]

****

RECEIVED AT:
SOUTHERN SANITATION
[redacted] ARIZONA

****

[redacted] 3 DATE: 05-21-92 TIME 23:47
CUSTOMER 0

[redacted] 0 JOB 0 PO#

[redacted] 39.79TON
[redacted] 19.58TON

[redacted] 20.21TON

[redacted] $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:

****

****
RECEIVED AT:
NORTHERN SANITATION
YUMA ARIZONA

****
TKT#: 4 DATE: 05-21-92 TIME 23:54
CUSTOMER 0
LOG# 0 JOB 0 PO#

GROSS	36.10TON
TARE	15.12TON

NET	20.98TON

RATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
AT TKT#: 5 DATE: 05-21-92 TIME 23:57
CUSTOMER 0
TRUCK# A JOB 0 PO#

GOSS	38.00TON
TARE	15.32TON
NET	22.68TON

RATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****

RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****

WT TKT#: 2 DATE: 05-21-92 /TIME 23:42
CUSTOMER
TRUCK# 5 JOB 0 PO#

GROSS	38.85TON
TARE	14.64TON
NET	24.21TON

RATE 1 $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:

****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
T.T.T#: 12 DATE: 05-22-92 TIME 00:41
CUSTOMER 0
[illegible] 11 COS 0 PO#

GROSS	39.18TON
TARE	16.51TON
NET	22.67TON

RATE $ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

RECEIVED AT:
SOUTHERN SANITATION
[illegible] ARIZONA

TKT#: 5 DATE: 05-21-92 TIME 23:58
CUSTOMER 0
[illegible] 5 JOB 0 PO#

GROSS	36.29TON
TARE	17.72TON
NET	18.57TON

RATE 3 $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
MA ARIZONA

****
TKT#: 9 DATE: 05-22-92 TIME 00:36
CUSTOMER 0
[illegible] 9 JOB 0 PO#

[illegible]	39.75TON
[illegible]	15.06TON

[illegible]	24.69TON

[illegible]TE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****
ECEIVED AT:
OUTHERN SANITATION
UMA ARIZONA

****
T TKT#: 8 DATE: 08-22-92 TIME 00:34
USTOMER 0
RUCK# 7 JOB 0 PO#

ROSS 37.14TON
ARE 15.27TON

ET 21.87TON

ATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

USTOMER SIGNATURE:
****

HALLIBURTON NUS

****
EDEIVED AT:
SOUTHERN SANITATION
UMA ARIZONA

****
T TKT#: 7 DATE: 05-22-92 TIME 00:32
USTOMER 0
ROD # 8 JOB 0 PO#

ROSS	35.29TON
TARE	15.79TON

ET	19.50TON

ATE 8 $0.00 PER TON -AMOUNT DUE :
$0.00

USTOMER SIGNATURE:
****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
[illegible] DATE: 05-22-92 TIME 00:39
CUSTOMER 0
TRUCK# 12 JOB 0 PO#

GROSS	36.55TON
TARE	16.13TON
NET	20.42TON

RATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
[illegible]MA ARIZONA

****
[illegible] TKT#: 10 DATE: 05-22-92 TIME 00:37
[illegible]STOMER 0
[illegible] # 10 JOB 0 PO#

[illegible]OSS	37.65TON
[illegible]ARE	15.62TON

[illegible]	22.03TON

[illegible]ATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

[illegible]STOMER SIGNATURE:
********** **********

HALLIBURTON NUS

[redacted]

[redacted]
[redacted]
[redacted]

[redacted]
[redacted]
[redacted]

[redacted]

[redacted]

****
ECEIVED AT:
OUTHERN SANITATION
MA ARIZONA

****
T TKT#: 8033 DATE: 05-22-92 TIME 10:12
STOMER 0
OB# 3000 JOB 0 PO#

ROSS	35.52TON
TARE	15.29TON
T	20.23TON

ATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

USTOMER SIGNATURE:
****

****
EIVED AT:
ERN SANITATION
ARIZONA

****
T#: 3036 DATE: 05-22-91 TIME 11:03
MER 0
M 3001 JOB 0 PO#

35.57TON
14.64TON

20.93TON

3 $0.00 PER TON -AMOUNT DUE :
$0.00

OMER SIGNATURE:
****

HALLIBURTON NUS

****

VEL AT:
THERA SANITATION
ARIZONA

****

KT#: 5041 DATE: 05-22-92 TIME 11:14
MER 0
3102 JOB 0 PO#

37.99TON
16.28TON

21.71TON

@0.00 PER TON -AMOUNT DUE :
$0.00

OMER SIGNATURE:
****

HALLIBURTON

[redacted]

[redacted]

[redacted]

****
EIVED AT:
THERN SANITATION
A ARIZONA

****
TKT#: 8069 DATE: 05-22-92 TIME 13:02
STOMER 0
CK# 3003 JOB 0 PO#

EE	36.09TON
E	16.13TON

	19.96TON

E @ $0.00 PER TON -AMOUNT DUE :
$0.00

TOMER SIGNATURE:
****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
T TXT#: 5094 DATE: 05-22-92 TIME 14:20
USTOMER 0
TTLON# 3005 JOB 0 PO#

GROSS	38.93TON
TARE	17.79TON

NET	21.14TON

RATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YMA ARIZONA

****
TNT#: 8096 DATE: 05-22-92 TIME 14:02
CUSTOMER 0
[illegible]

GROSS	33.33TON
TARE	15.37TON
	17.96TON

[illegible] $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

HALLIBURTON NUS
Environmental Corporation

16885 WEST BERNARDO DRIVE • SUITE 100 • SAN DIEGO, CALIFORNIA 92127 • (619) 451-2131

April 27, 1992

County of San Diego
Department of Health Services
Environmental Health Services (HMMD)
1255 Imperial Avenue, 3rd Floor
San Diego, California 92101

Attention: Mr. Mo Lahsaieza

Subject: La Mesa RV Center
Assessment Case No. T0427/H02651-001
Request for Class III Landfill Disposal
of Hydrocarbon Contaminated Soil

Gentlemen:

At the request of Mr. James Buckner, on behalf of the owners of the La Mesa RV Center, HALLIBURTON NUS Environmental Corporation (HALLIBURTON NUS) has provided environmental engineering consultation services for the subject property. The property is located at 7601 Alvarado Road in La Mesa, California. The approximate location of the site is depicted on the Vicinity Map, Figure 1.

HALLIBURTON NUS is presently preparing a report that contains the results of site exploration activities that were performed by HALLIBURTON NUS during March 1992. The report will likely be completed in May 1992. The purpose of this letter is to request Class III landfill disposal of three soil stockpiles generated during tank rmoval activities (February 1988) and site assessment and mitigation activities performed during March 1992. In accordance with the County of San Diego "Site Assessment and Mitigation Manual", prepared by the Department of Health Services, Environmental Health Services in January 1992, HALLIBURTON NUS has provided those items listed in "Stockpile Soil Sampling Protocol", Section 3, page 6, item 6 for each of the three soil stockpiles.

April 27, 1992
Project No. 2N60

BACKGROUND

During May 1988, four underground storage tanks (UST's) were excavated and removed from the subject site. These included one gasoline tank and three tanks used for the storage of either new or used oil. Excavation work performed by the contractor generated a soil stockpile of approximately 20 cubic yard capacity from the former gasoline UST location. This soil was stockpiled on-site in the southwest corner of the property. For the purposes of this letter, this stockpile will be referred to as Soil Stockpile No. 1.

During the recent performance of soil assessment and mitigation activities by HALLIBURTON NUS, three additional soil stockpiles were generated as the result of the excavation of soil from the previously referenced gasoline tank excavation, the former used and new oil tank excavation (originally containing three tanks), and the vadose zone between the two excavations. Approximately 80 cubic yards of soil excavated from the vadose zone between the two former UST locations is identified in this letter as Soil Stockpile No. 2. Approximately 100 cubic yards of soil excavated from the former gasoline UST location is identified in this letter as Soil Stockpile No. 3. Soil Stockpile No. 4, comprising approximately 200 cubic yards of soil generated from the excavation of soil from the former used and new oil UST location, while mentioned in this letter, was not found suitable for Class III landfill disposal and is not included in this request for Class III landfill disposal. Each of the stockpiles at the site was placed on an asphalt surface and covered with visqueen pending its disposal following regulatory guidelines. The approximate location of the soil stockpiles is depicted on the Stockpile Location Map, Figure 2.

On March 24, 1992, HALLIBURTON NUS personnel obtained 19 soil samples from the four soil stockpiles. The soil samples were randomly selected from the stockpiles following the soil sampling protocol as outlined in the County of San Diego 1992 SA/M Manual, Soil Sampling, Section 3, pages 3 through 7. Three soil samples were obtained from Stockpile No. 1, containing approximately 20 cubic yards of soil (see Figure 2).

April 27, 1992
Project No. 2N60

Four soil samples were obtained from Soil Stockpile No. 2, containing approximately 80 cubic yards of soil and four soil samples were obtained from Soil Stockpile No. 3, containing approximately 100 cubic yards of soil (see Figure No. 2). Eight soil samples were obtained from Soil Stockpile No. 4, containing approximately 200 cubic yards of soil (see Figure No. 2). The soil samples were obtained using an Alconox washed and tap water rinsed stainless steel hand auger, placed in laboratory supplied glassware, and delivered to an on-site California Department of Health Services (CDHS) Certified mobile laboratory.

REVIEW OF LABORATORY ANALYSES

The soil samples from Soil Stockpile No. 1 were analyzed for total petroleum hydrocarbons (TPH) by the DHS Method. A review of the results indicates that all three samples did not possess TPH concentrations above the laboratory detection limit of 10 milligrams/kilogram (mg/kg). The soil samples from Soil Stockpile No. 2 were analyzed for total recoverable petroleum hydrocarbons (TRPH) using EPA Method 418.1 A review of the laboratory results for these samples indicates TRPH concentrations of 156 mg/kg, 82 mg/kg, 73 mg/kg, and 312 mg/kg. The soil samples from Soil Stockpile No. 3 were analyzed for TPH using CDHS Method 8015. A review of the laboratory results indicates that three of the four samples possessed TPH concentrations of less than the laboratory detection limit of 10 mg/kg while one sample possessed a TPH concentration of 153.2 mg/kg. The sample possessing the TPH concentration of 153.2 mg/kg was also analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE) using EPA Method 8020, modified for CDHS. A review of the laboratory results indicates concentrations of BTXE of 1.190 mg/kg, .410 mg/kg, 1.390 mg/kg, and 1.180 mg/kg, respectively.

The soil samples from Soil Stockpile No. 4 were analyzed for TRPH using EPA Method 418.1. A review of the laboratory results indicates TRPH concentrations ranging from 156 mg/kg to 24,700 mg/kg. The soil sample possessing a TRPH concentration of 24,700 mg/kg was also analyzed for Title 22 Metals, purgeable halocarbons (EPA Method 8010), total PCB's (EPA Method 8080), cyanide, and flashpoint. For potential

disposal purposes, an additional soil sample was obtained on March 31, 1992 from the location of the highest measured TRPH concentration and analyzed for pH and sulfide. Copies of the laboratory data sheets are provided in Appendix A.

Mr. Mo Lahsaieza of the HMMD indicated that analysis of excavation soil samples for BTXE and organic lead would be useful in assisting in characterizing the soil stockpiles. Please note that in addition to the analyses performed on the soil stockpile samples, one soil sample from the gasoline tank excavation was analyzed for BTXE and organic lead. This sample, possessing the highest measured TPH concentration of the soil samples analyzed from the excavation or the stockpiles, possessed a TPH concentration of 980 mg/kg. A review of the laboratory results indicates BTE concentrations of less than the laboratory detection limit of 1.0 ug/kg and a xylene concentration of 585 ug/kg. The organic lead concentration was less than the laboratory detection limit of 0.5 mg/kg (DHS Method). Copies of these laboratory data sheets are provided in Appendix A.

STOCKPILE STATISTICS

Soil Stockpile No. 1. Since the TPH concentrations of soil samples obtained from Soil Stockpile No. 1 were not above the laboratory detection limits for the method employed, and the organic lead concentration from one excavation soil sample was not above laboratory detection limits, no further statistical analysis of Soil Stockpile No. 1 is likely necessary. Please note that due to the age of the soil stockpile, which is greater than four years, and that relatively low levels of BTXE were observed in the soil samples, analysis of any soil samples from this stockpile for BTXE was deemed unnecessary by Mr. Mo Lahsaieza of the County of San Diego Hazardous Materials Management Division (HMMD). Based on this information, La Mesa RV Center requests regulatory approval for disposal of Soil Stockpile No. 1 at the County of San Diego Class III Landfill at Sycamore Canyon. The "Request For Class III Landfill Disposal of Hydrocarbon Contaminated Soil" form for Soil Stockpile No. 1 is enclosed.

Soil Stockpile No. 2. A total of four soil samples were obtained from Soil Stockpile No. 2 and analyzed for TRPH. The sample mean was calculated to be 155.75, the sample variance at 12233.58, the sample standard deviation at 110.606, the degrees of freedom

at 3, and the standard error of the mean was 55.30. Please refer to the "Stockpile Statistics Worksheet" provided in Appendix B for the completed required calculations. Given that the generally accepted regulatory threshold for disposal of TRPH impacted soil at Class III Landfills is 2000 mg/kg, and soil from Soil Stockpile No. 2 is below this threshold, La Mesa RV Center requests regulatory approval for disposal of Soil Stockpile No. 2 at the County of San Diego Class III Landfill at Sycamore Canyon. The "Request For Class III Landfill Disposal of Hydrocarbon Contaminated Soil" form for Soil Stockpile No. 2 is enclosed.

Soil Stockpile No. 3. A total of four soil samples were obtained from Soil Stockpile No. 3 and analyzed for TPH. The sample mean was calculated to be 38.30, the sample variance at 5867.56, the standard deviation at 76.60, the degrees of freedom at 3, and the standard error of the mean at 38.30. Please refer to the "Stockpile Statistics Worksheet" provided in Appendix B for the completed required calculations. Given that the generally accepted regulatory threshold for disposal of TPH impacted soil at Class III Landfills is 100 mg/kg, and soil from Soil Stockpile No. 3 is below this threshold, La Mesa RV Center requests regulatory approval for disposal of Soil Stockpile No. 3 at the County of San Diego Class III Landfill at Sycamore Canyon. The "Request For Class III Landfill Disposal of Hydrocarbon Contaminated Soil" form for Soil Stockpile No. 2 is enclosed.

Soil Stockpile No. 4. A total of eight soil samples were obtained from Soil Stockpile No. 4 and analyzed for TRPH. A review of the laboratory results of these analyses indicates that the concentration of TRPH in this soil stockpile exceeds the threshold concentration allowed for the disposal of TRPH impacted soil at County Class III landfills. Based on these results, La Mesa RV Center is planning to dispose of this soil stockpile at an approved Class II landfill. Additional analyses were performed on the soil from this stockpile and the results were submitted to the In-koo-pah Indian Reservation for their acceptance of the soil for disposal at their facility. A representative of the La Mesa RV Center has indicated that the Indian Reservation has accepted the soil for disposal.

April 27,1992
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Based on the results of the analysis of the soil samples obtained from the four soil stockpiles located on the subject site, La Mesa RV Center requests HMMD and Regional Water Quality Control Board (RWQCB) approval for the disposal of Soil Stockpile Nos. 1, 2, and 3, totaling an estimated 200 cubic yards, at the County of San Diego Class III Landfill at Sycamore Canyon. If there are any questions regarding the above information, please contact the undersigned at your convenience.

Sincerely,

David A. Eminhizer
Site Manager, San Diego District
Southwest Region

Colin Young
Manager, San Diego District
Southwest Region

DAE

(1) Addressee
(1) La Mesa RV Center
Attention: Mr. James Buckner
(1) Regional Water Quality Control Board
Attention: Mr. Jim Munch

Enclosures: Appendix A
Appendix B
"Requests For Class III Landfill Disposal of Hydrocarbon Contaminated Soil"

REQUEST FOR CLASS III LANDFILL DISPOSAL

OF

HYDROCARBON CONTAMINATED SOIL

FOR

7601 ALVARADO ROAD

LA MESA, CALIFORNIA

Prepared for:

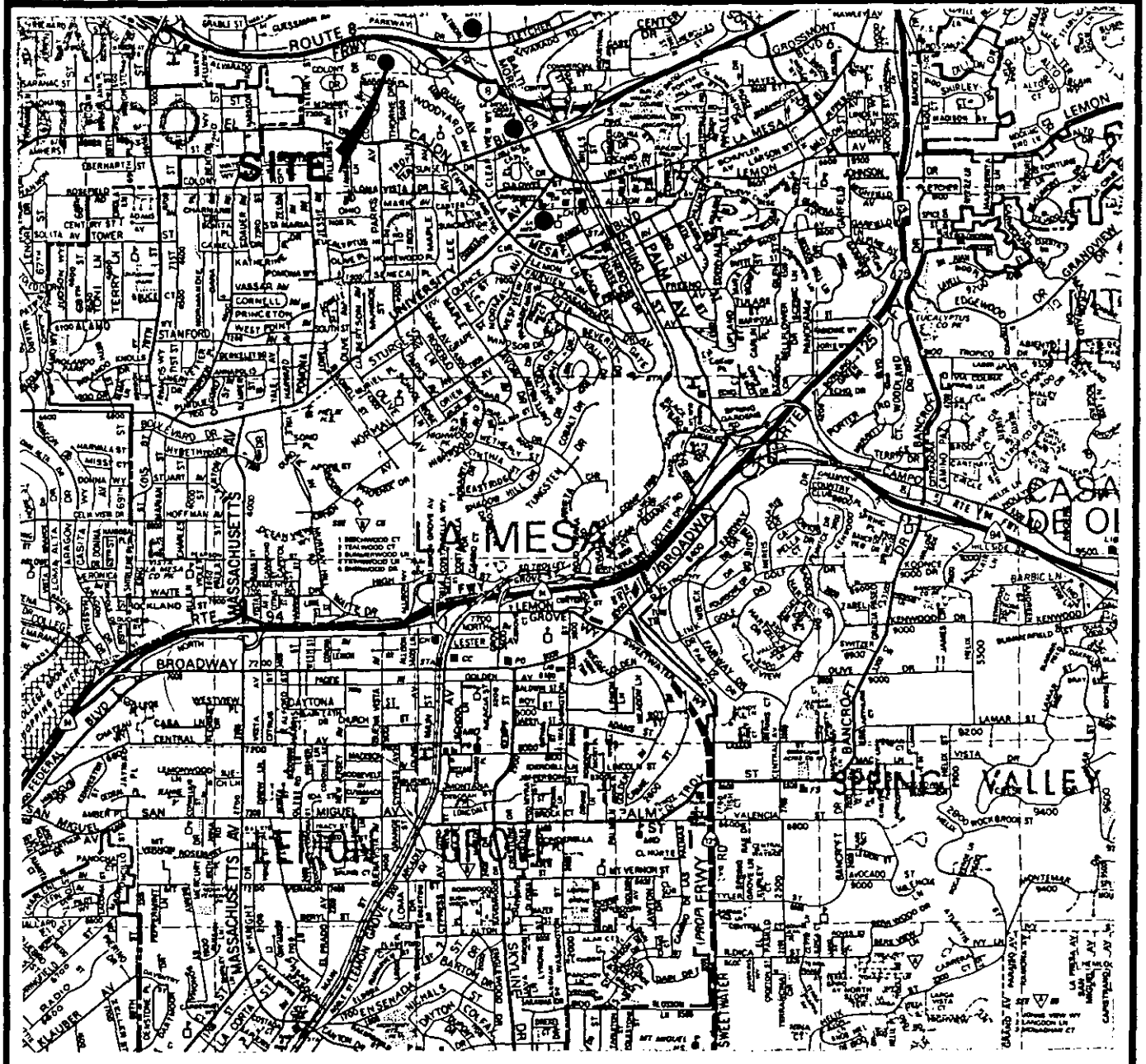
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION

Prepared by:

HALLIBURTON NUS ENVIRONMENTAL CORPORATION
16885 West Bernardo Drive, Suite 100
San Diego, California

APRIL 1992

DATE APRIL 1992 (REV. 0)	PROJECT NO. 2N60	FIGURE NO. 1



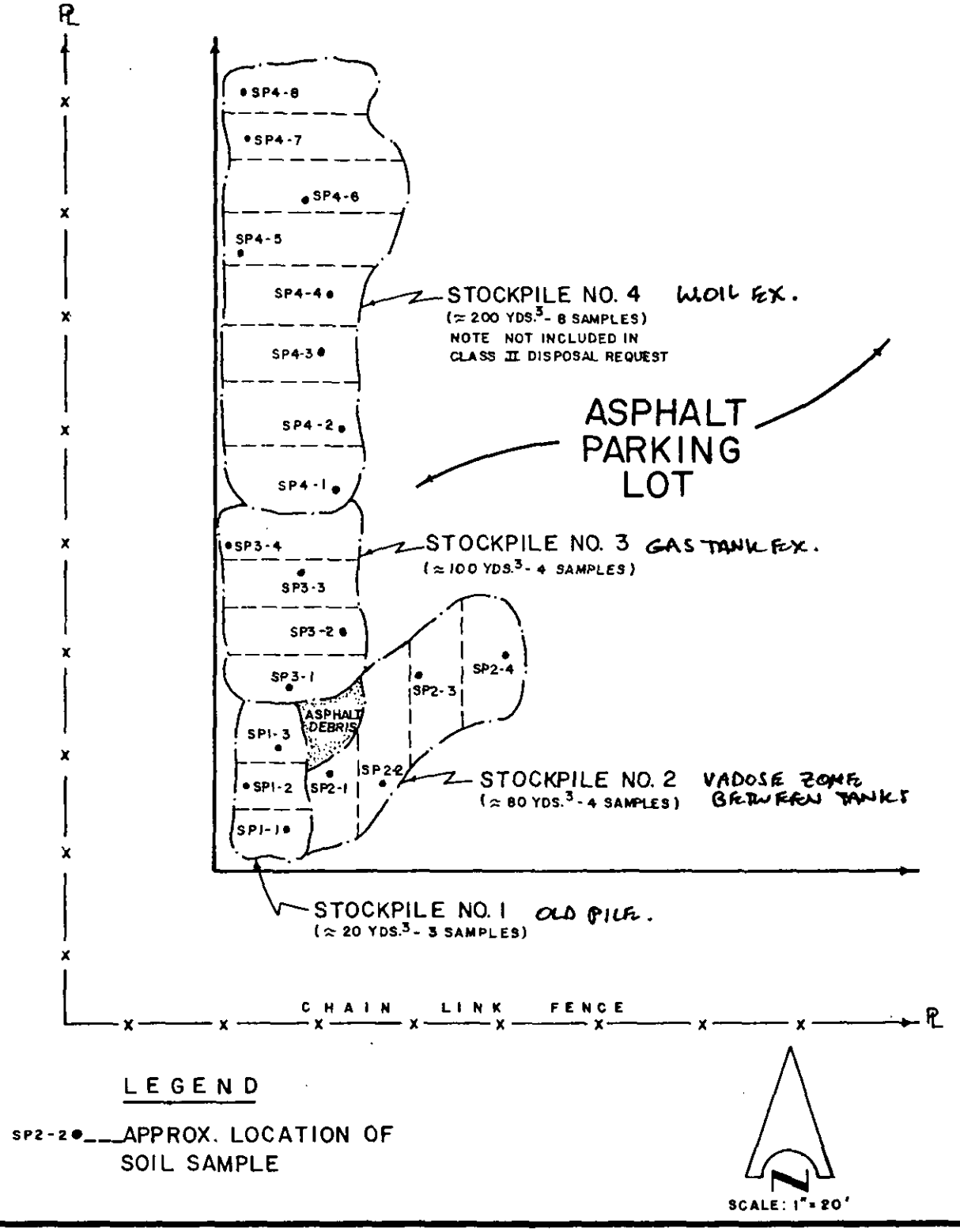
REF. MAP : 1989 SAN DIEGO THOMAS BROS. GUIDE PG. 62

SCALE : 1" = 2900'

VICINITY MAP

LA MESA RV CENTER
LA MESA, CALIF.

DATE: APRIL 1992 (REV. 0)	PROJECT NO. 2N60	FIGURE NO. 2



STOCKPILE LOCATION MAP

LA MESA RV CENTER

LA MESA, CALIF.

APPENDIX A

Laboratory Data Sheets

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS
ATTN: DAVE EMINHIZER
16885 W. BERNARDO DR., STE. #100
SAN DIEGO, CA 92127

QUALITY ASSURANCE LABORATORY
MOBILE LAB

(619) 552-3636
6605 Nancy Ridge Drive,
San Diego, CA 92121

Analytical Results Summary

Client Name : Halliburton NUS
Date of Report : March 25, 1992
Sample Date : March 24, 1992 ✓
Analysis Date : March 24, 1992
Project Name : La Mesa RV
Sample Type(s) : Soil

Client Mailing Address:

16885 W. Bernardo Dr.
San Diego, CA. 92127
1 (619) 451-2131

Method: DHS Total Petroleum Hydrocarbons
Units: mg/Kg

Log #	Sample I.D.	Hydrocarbon Range - (C4 - C12)
M365-92C	LMRV-SP1-1	<10
M366-92C	LMRV-SP1-2	<10
M367-92C	LMRV-SP1-3	<10
M372-92C	LMRV-SP3-1	<10
M373-92C	LMRV-SP3-2	<10
M374-92C	LMRV-SP3-3	<10
M375-92C	LMRV-SP3-4	153.2

Quality Control Data:

	LCS #1	200 ppm	179	89% ✓
MS	M372-92C	200 ppm	170	85% ✓
MSD	M372-92C	200 ppm	187	RSD=9.6% ✓

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
MOBILE LAB

(619) 552-3636
6605 Nancy Ridge Drive
San Diego, CA 92121

Analytical Results Summary

Client Name : Halliburton NUS
Date of Report : March 25, 1992
Sample Date : March 24, 1992 ✓
Analysis Date : March 24, 1992
Project Name : La Mesa RV
Sample Type(s) : Soil

Client Mailing Address:

16885 W. Bernardo Dr.
Suite #100,
San Diego, CA. 92127
1 (619) 451-2131

Method: EPA 418.1
Units: mg/Kg

Log #	Sample I.D.	Total Recoverable Petroleum Hydrocarbons
M368-92C	LMRV-SP2-1	156.0
M369-92C	LMRV-SP2-2	82.0
M370-92C	LMRV-SP2-3	73.0
M371-92C	LMRV-SP2-4	312.0

Quality Control Data:

LCS #1 20 ppm	20.5	103% ✓
LCS #2 20 ppm	21.5	RSD=5%

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE MOBILE LABORATORY
CHAIN OF CUSTODY

COMPANY: HALLIBURTON NUS	SITE CONTACT: DAVE EMINHIZER
PROJECT NAME/NUMBER: LMRV	SAMPLER: SAME

Q.A.LAB LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE LOCATION	CONT TYPE	SAMPLE TYPE	ANALYSIS REQUIRED
M365-92C	LMRV-SP1-1	3/24/92		GLASS	SOIL	TPH
M366-92C	LMRV-SP1-2	"		"	"	TPH
M367-92C	LMRV-SP1-3	"		"	"	TPH
M368-92C	LMRV-SP2-1	"		"	"	TRPH
M369-92C	LMRV-SP2-2	"		"	"	"
M370-92C	LMRV-SP2-3	"		"	"	"
M371-92C	LMRV-SP2-4	"		"	"	"
M372-92C	LMRV-SP3-1	"		"	"	TPH
M373-92C	LMRV-SP3-2	"		"	"	"
M374-92C	LMRV-SP3-3	"		"	"	"
M375-92C	LMRV-SP3-4	"		"	"	"

Lab Departure Time: 0715	Site Arrival: 0745
Site Departure: —	Estimated Lab Arrival: —

MAIL RESULTS TO HALLIBURTON, NUS COMPANY: 16885 W BERNARDO DR. ADDRESS: STE #100 STATE: SAN DIEGO CA. ZIP: 92127 ATTN: DAVE EMINHIZER PHONE: 451-2131	RELINQUISHED BY	DATE/TIME	RECEIVED BY
		3/24/92 1645	
	RELINQUISHED BY	DATE/TIME	RECEIVED BY

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	MARCH 26, 1992
DATE RECEIVED	MARCH 24, 1992 ✓
SAMPLING DATE	MARCH 24, 1992
DATE OF FINAL REVIEW	MARCH 25, 1992
ANALYZED BY	SW MC
SAMPLE TYPE	9 SOIL

MARCH 26, 1992

HALLIBURTON NUS ENVIRONMENTAL
ANALYSES RESULTS
SAMPLE TYPE - SOIL

		ANALYSIS:	TRPH		BENZENE		TOLUENE		ETHYLBENZENE		XYLENE	
		PREP/ANALYSIS	3550		5030		5030		5030		5030	
		METHOD:	EPA 418.1		EPA 8020		EPA 8020		EPA 8020		EPA 8020	
LOG NUMBER	SAMPLE ID	UNITS:	MG/KG	DF	UG/KG	DF	UG/KG	DF	UG/KG	DF	UG/KG	DF
5538-92C	LMRV-SP3-4				1,190	50	410	50	1,390	50	1,800	50
5539-92C	LMRV-SP4-1		2,360	25								
5540-92C	LMRV-SP4-2		4,580	50								
5541-92C	LMRV-SP4-3		2,150	25								
5542-92C	LMRV-SP4-4		2,570	25								
5543-92C	LMRV-SP4-5		4,580	50								
5544-92C	LMRV-SP4-6		1,840	25								
5545-92C	LMRV-SP4-7		24,700	500								
5546-92C	LMRV-SP4-8		156									

TRPH - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSES RESULTS WERE CORRECTED ACCORDINGLY.

PETER SHEN
LABORATORY DIRECTOR

PS/Et

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

MARCH 25, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #5538-92C THROUGH 5546-92C

DATE EXTRACTED: MARCH 25, 1992
DATE ANALYZED: MARCH 25, 1992

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
TRPH	3550/418.1	103%	80%	0%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTALBE RANGE IS 80%-120% RECOVERY.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS 75%-125% RECOVERY.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
MARCH 25, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #5538-92C THROUGH 5546-92C

DATE ANALYZED: MARCH 25, 1992

EXTRACTION METHOD: 5030
ANALYSIS METHOD: 8020
Concentrations were calculated using a 4 point curve of concentrations 2.5, 5, 10 and 20 ppb.

LABORATORY CONTROL STANDARD
A 15 ppb standard verification was run in the sample set up.

METHOD BLANK
NO TARGET ANALYTES WERE DETECTED IN METHOD BLANK. ✓

COMPOUND	%RECOVERY
Benzene	80%
Toluene	85%
Ethylbenzene	96%
Xylenes	112%

SPIKE DATA
A QAL Method Blank was spiked in duplicate with 15 ppb 8020 standard.

COMPOUND	SPIKE % RECOVERY ✓	RELATIVE % DIFFERENCE ✓
Benzene	*	*
Toluene	97%	0%
Ethylbenzene	86%	4%
Xylenes	101%	8%

* Method Blank was not spiked with Benzene.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTALBE RANGE IS 80%-120% RECOVERY.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS 75%-125% RECOVERY.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 3/24/92 Page 1 of 1

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: HALLIBURTON, NUS	PROJECT NAME/NUMBER:
PROJECT MANAGER: DAVE EMINHIZER	BILLING INFORMATION
ADDRESS: 16885 W. BERNARDO DR	BILL TO:
SAN DIEGO, CA. 92127	ADDRESS:
PHONE: 619-451-2131 ~~584-2672~~ 487-8292	PHONE: PO #:

Bill at Mobile Lab Prices

24 HR

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	418.1	BTXE
5538-92c	LMRV-SP3-4	3/24/92	1130	SOIL	GLASS	1		X
5539	LMRV-SP4-1	"	1548	"	"	1	X	
5540	LMRV-SP4-2	"	1555	"	"	1	X	
5541	LMRV-SP4-3	"	1605	"	"	1	X	
5542	LMRV-SP4-4	"	1610	"	"	1	X	
5543	LMRV-SP4-5	"	1618	"	"	1	X	
5544	LMRV-SP4-6	"	1622	"	"	1	X	
5545	LMRV-SP4-7	"	1628	"	"	1	X	
5546	LMRV-SP4-8	"	1634	"	"	1	X	

24 PG 18

RECEIVED

SAMPLE INTEGRITY

	418.1	BTXE														
HOLDING TIME	✓	✓														
CORRECT CONTAINER	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:
SIGNATURE: [signature]	3/24/92	SIGNATURE: [signature]	3/24/92	SIGNATURE:	
PRINTED NAME: DAVID A. EMINHIZER	TIME: 1645	PRINTED NAME: TOM RICH	TIME: 1739	PRINTED NAME:	TIME:
COMPANY: HALLIBURTON NUS		COMPANY: QA LAB		COMPANY:	
1. RECEIVED BY:	DATE: 3/24/92	2. RECEIVED BY:	DATE: 3/24/92	3. RECEIVED BY:	DATE:
SIGNATURE: [signature]		SIGNATURE: [signature]		SIGNATURE:	
PRINTED NAME: TOM RICH	TIME: 1645	PRINTED NAME: John Evan Evan	TIME: 1816	PRINTED NAME:	TIME:
COMPANY: QA LAB		COMPANY: QA Lab		COMPANY:	

SAMPLE RECEIPT	
RECEIVED ON ICE	YES / NO
TAPE SEAL INTACT	YES / NO / N/A
PRESERVATIVE	YES / NO
PRECAUTIONS:	

SPECIAL INSTRUCTIONS

STOP ANALYSES IF SAMPLE RESULT IS GREATER THAN 3000 mg/kg - DAVE WILL CALL MIC - MORNING

TAT REQUESTED: URGENT

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	APRIL 9, 1992
DATE RECEIVED	MARCH 31, 1992
SAMPLING DATE	MARCH 31, 1992
DATE OF FINAL REVIEW	APRIL 8, 1992
ANALYZED BY	MM SC
SAMPLE TYPE	1 SOIL
PROJECT NAME	LA MESA RV 2N60

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 5936-92C SAMPLE ID: LMRV-SP4-7A
PH	SW846-9045	UNITS	7.33
SULFIDE	*	MG/KG	0.8

* MOD AOAC 1.013 / STD 4500-C

PETER SHEN
LABORATORY DIRECTOR

PS/ft

2334

Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 3/31/92 Page 1 of 1

CUSTOMER INFORMATION

COMPANY: HALLIBURTON NUS
PROJECT MANAGER: DAVE ERINNIZER
ADDRESS: 16855 West Bernardo DR
Suite 100, San Diego, CA
PHONE: (619) 487-8272

PROJECT INFORMATION

PROJECT NAME/NUMBER: LA MESA RV 8N60

BILLING INFORMATION

BILL TO: SAME
ADDRESS:
PHONE: PO #:

ANALYSIS REQUEST

NUMBER OF CONTAINERS: 1 pt Sulfide

7 DAY

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE
5936-92	LMRV-SP4-7A	3/31/92	1435	Soil	

HOLDING TIME

SAMPLE INTEGRITY

CORRECT CONTAINER

Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
	X	X																	

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:	SAMPLE RECEIPT	SPECIAL INSTRUCTIONS
SIGNATURE:	3/31/92	SIGNATURE:		SIGNATURE:		RECEIVED ON ICE YES / NO	
PRINTED NAME: DAVID A ERINNIZER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:	TAPE SEAL INTACT YES / NO / NA	
COMPANY: HALLIBURTON NUS	1645	COMPANY:		COMPANY:		PRESERVATIVE YES / NO	
1. RECEIVED BY:	DATE:	2. RECEIVED BY:	DATE:	3. RECEIVED BY:	DATE:	PRECAUTIONS:	
SIGNATURE:	3/31/92	SIGNATURE:		SIGNATURE:			
PRINTED NAME:	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:		TAT REQUESTED: NORMAL
COMPANY:	1650	COMPANY:		COMPANY:			

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

7 DAYS FIRM

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	APRIL 9, 1992
ADDITIONAL REQUEST	MARCH 27, 1992
DATE RECEIVED	MARCH 24, 1992
SAMPLING DATE	MARCH 24, 1992
DATE OF FINAL REVIEW	APRIL 8, 1992
ANALYZED BY	SC SW MC EA JM MV
SAMPLE TYPE	1 SOIL

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 5545-92C SAMPLE ID: LMRV-SP4-7
CYANIDE	SW846-9010	MG/KG	0.011
FLASHPOINT	SW846-1010	DEGREES F	>212
TOTAL PCB	3550/8080	MG/KG	<0.05

PETER SHEN
LABORATORY DIRECTOR

PS/ft

APRIL 9, 1992

HALLIBURTON NUS ENVIRONMENTAL
TITLE 22 - METALS TTLC
SAMPLE TYPE - SOIL

ANALYSIS	METHOD	LOG NUMBER: 5545-92C SAMPLE ID: LMRV-SP4-7 UNITS: MG/KG
ANTIMONY	6010	<2.50
ARSENIC	6010	5.45
BARIUM	6010	42.9
BERYLLIUM	6010	0.151
CADMIUM	6010	<0.400
CHROMIUM	6010	7.30
COBALT	6010	2.91
COPPER	6010	8.47
LEAD	6010	26.7
MERCURY	7471	<0.050
MOLYBDENUM	6010	0.644
NICKEL	6010	1.78
SELENIUM	6010	<2.50
SILVER	6010	<0.200
THALLIUM	6010	<2.50
VANADIUM	6010	33.3
ZINC	6010	52.8

PETER SHEN
LABORATORY DIRECTOR

PS/ft

APRIL 9, 1992

HALLIBURTON NUS ENVIRONMENTAL
DATE OF EXTRACTION/ANALYSIS: 3/31/92
EXTRACTION METHOD: EPA METHOD 5030
ANALYSIS METHOD: EPA METHOD 8010
PURGEABLE HALOCARBONS
SAMPLE TYPE - SOIL

ANALYSIS	DETECTION LIMIT UG/KG	5545-92C LMRV-SP4-7 UG/KG
DICHLORODIFLUOROMETHANE	45.0	ND
CHLOROMETHANE	2.0	ND
VINYL CHLORIDE	4.5	ND
BROMOMETHANE	29.5	ND
CHLOROETHANE	13.0	ND
TRICHLOROFLUOROMETHANE	12.5	ND
1,1-DICHLOROETHENE	3.3	ND
METHYLENE CHLORIDE	6.0	ND
trans-1,2-DICHLOROETHENE	2.5	ND
1,1-DICHLOROETHANE	1.8	ND
CHLOROFORM	1.3	ND
1,1,1-TRICHLOROETHANE	0.8	ND
CARBONTETRACHLORIDE	3.0	ND
1,2-DICHLOROETHANE	0.8	ND
TRICHLOROETHENE	3.0	ND
1,2-DICHLOROPROPANE	1.0	ND
BROMODICHLOROMETHANE	2.3	ND
2-CHLOROETHYLVINYL ETHER	3.3	ND
cis-1,3-DICHLOROPROPENE	8.5	ND
trans-1,3-DICHLOROPROPENE	5.0	ND
1,1,2-TRICHLOROETHANE	0.5	ND
TETRACHLOROETHENE	0.8	13.0
DIBROMOCHLOROMETHANE	2.3	ND
CHLOROBENZENE	6.0	ND
BROMOFORM	5.0	ND
1,1,2,2-TETRACHLOROETHANE	0.8	ND
1,3-DICHLOROBENZENE	8.0	ND
1,4-DICHLOROBENZENE	6.0	ND
1,2-DICHLOROBENZENE	3.8	ND

SAMPLE DILUTED BY A FACTOR OF 5.
THE DETECTION LIMITS AND ANALYSIS RESULTS WERE CORRECTED ACCORDINGLY
OTHER HEAVIER MOLECULAR WEIGHT HYDROCARBONS DETECTED, NOT QUANTIFIABLE BY METHOD.

ND = NONE DETECTED

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

APRIL 8, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #5545-92C

DATE EXTRACTED: MARCH 30, 1992 - TITLE 22 METALS, PCB
DATE ANALYZED: MARCH 30, 1992 - CYANIDE
MARCH 31, 1992 - FLASHPOINT, MERCURY
APRIL 3, 1992 - PCB, TITLE 22 METALS

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
CYANIDE	SW846-9010	89%	98%	7%
FLASHPOINT	SW846-1010	98%		0%
PCB	3550/8080	105%	91%	6%
TITLE 22 METALS (TTLC)				
ANTIMONY	3050/6010	92%	58%	11%
ARSENIC	3050/6010	102%	78%	6%
BARIUM	3050/6010	91%	76%	17%
BERYLLIUM	3050/6010	94%	80%	12%
CADMIUM	3050/6010	90%	65%	8%
CHROMIUM	3050/6010	92%	60%	15%
COBALT	3050/6010	92%	64%	10%
COPPER	3050/6010	91%	83%	3%
LEAD	3050/6010	92%	40%	0%
MERCURY	7471	102%	88%	17%
MOLYBDENUM	3050/6010	95%	65%	9%
NICKEL	3050/6010	93%	63%	4%
SELENIUM	3050/6010	100%	118%	5%
SILVER	3050/6010	88%	68%	35%*
THALLIUM	3050/6010	90%	54%	21%
VANADIUM	3050/6010	92%	62%	13%
ZINC	3050/6010	92%	63%	1%

* SPIKE CONTAINED HIGH CONCENTRATIONS OF TARGET COMPOUNDS THEREFORE, THE SPIKE PERCENT RECOVERIES WERE HIGH.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
APRIL 8, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #5545-92C
DATE EXTRACTED: MARCH 31, 1992
DATE ANALYZED: MARCH 31, 1992

EXTRACTION METHOD: EPA 5030
ANALYSIS METHOD: EPA METHOD 8010
METHOD BLANK

NO TARGET ANALYTES WERE DETECTED IN THE METHOD BLANK.

COMPOUND	LABORATORY CONTROL SAMPLE % (15ppb)
CHLOROFORM	101%
TRICHLOROETHANE	100% ✓
CARBONTETRACHLORIDE	103%
1,1-DICHLOROETHANE	73%
CHLOROBENZENE	99%
TETRACHLOROETHENE	103%

SPIKE DATA

Log #5555-92C was spiked in duplicate with a 20 ppb 8010 standard.

COMPOUND	SPIKE ✓ %RECOVERY	RELATIVE ✓ % DIFFERENCE
CHLOROBENZENE	100%	12%
TRICHLOROETHENE	95%	1%
TETRACHLOROETHENE	92%	17%
1,2-DICHLOROETHANE	96%	8%
CHLOROFORM	84%	11%

A complete list of compounds is available upon request.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

...ity Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 03-27-92 Page 1 of 1

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: HALLIBURTON, NUS	PROJECT NAME/NUMBER: ADD REQ
PROJECT MANAGER: DAVE EMINHIZER	BILLING INFORMATION
ADDRESS: 16885 WEST BERNARDO DRIVE SD CA 92127	BILL TO: SAME
	ADDRESS:
PHONE: (619) 451-2131	PHONE: PO #:

ANALYSIS REQUEST

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	CN-(TOTAL)	FLASHPOINT	8010	PCB (8080)	TITLE 22/TTLC												
315-92	LMRV-SP4-7	03/24/92	-	SOIL	JAR	1	X	→															

SAMPLE INTEGRITY

HOLDING TIME	✓	→																					
CORRECT CONTAINER	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:	SAMPLE RECEIPT	SPECIAL INSTRUCTIONS
SIGNATURE: PHONE	03/27/92	SIGNATURE:		SIGNATURE:		RECEIVED ON ICE YES / NO	
PRINTED NAME: DAVE EMINHIZER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:	TAPE SEAL INTACT YES / NO / NA	
COMPANY: HALLIBURTON	11:12	COMPANY:		COMPANY:		PRESERVATIVE YES / NO	
1. RECEIVED BY:	DATE:	2. RECEIVED BY:	DATE:	3. RECEIVED BY:	DATE:	PRECAUTIONS:	
SIGNATURE: April Collier	03/27/92	SIGNATURE:		SIGNATURE:			
PRINTED NAME: APRIL COLLIER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:		
COMPANY: QAL	11:12	COMPANY:		COMPANY:			TAT REQUESTED: 7-DAY

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	MARCH 31, 1992
DATE RECEIVED	MARCH 18, 1992
SAMPLING DATE	MARCH 12, 1992
DATE OF FINAL REVIEW	MARCH 31, 1992
ANALYZED BY	SW MV
SAMPLE TYPE	1 SOIL
PROJECT NUMBER	2N60

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 4963-92C SAMPLE ID: LMRV-GES-11	DF
BENZENE	5030/8020	UG/KG	<1.0	10
TOLUENE	5030/8020	UG/KG	<1.0	10
ETHYLBENZENE	5030/8020	UG/KG	<1.0	10
XYLENE	5030/8020	UG/KG	585	10
ORG. LEAD	DHS	MG/KG	<0.5	2

DHS - RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD MANUAL, MAY 1988

OTHER HEAVIER MOLECULAR WEIGHT HYDROCARBONS DETECTED, NOT QUANTIFIABLE BY METHOD.

DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSES RESULTS WERE CORRECTED ACCORDINGLY.

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

MARCH 30, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #4963-92C THROUGH 4965-92C

DATE EXTRACTED: MARCH 27, 1992 - ORGANIC LEAD

DATE ANALYZED: MARCH 27, 1992 - ORGANIC LEAD

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
ORGANIC LEAD	DHS	108%	118%	0%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL SAMPLE. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
MARCH 30, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #4963-92C THROUGH 4965-92C

DATE ANALYZED: MARCH 24, 1992

EXTRACTION METHOD: 5030
ANALYSIS METHOD: 8020
Concentrations were calculated using a 4 point curve of concentrations 2.5, 5, 10 and 20 ppb.

LABORATORY CONTROL STANDARD
A 15 ppb standard verification was run in the sample set up.

METHOD BLANK
NO TARGET ANALYTES WERE DETECTED IN METHOD BLANK.

COMPOUND	%RECOVERY
Benzene	89%
Toluene	97%
Ethylbenzene	99%
Xylenes	108%

SPIKE DATA
QAL Log #5522-92C was spiked in duplicate with 15 ppb 8020 standard.

COMPOUND	SPIKE % RECOVERY	RELATIVE % DIFFERENCE
Benzene	105%	3%
Toluene	115%	2%
Ethylbenzene	118%	5%
Xylenes	128%*	7%

* LABORATORY-ESTABLISHED CONTROL LIMITS FOR XYLENES:
SPIKE RECOVERY: 70% - 155%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL SAMPLE. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
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Y 2334

MOBILE/one LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 3/12/92 page 21 of 21

Client: Halliburton NUS
~~Address:~~ site LaMesa RV Center
7601 Alvarado Rd.
La Mesa CA
Project: 2N60
Sampler (signature):

Sample No.	Date	Time	Location	TPH	418.1	BTEX ONLY	ONHOLD ONLY			No. of containers	Comments
LMRV-GES-11	3/12/92	1240		X	X	X				1	4963-92C } 418.1 + TPH
LMRV-GES-12	↓	1245		X	X		X			1	4964 } already
LMRV-GES-13	↓	1250		X			X			1	4965 } run

Storage/Shipping Info.:

3 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
David A. Eminhizer	R Johnson	R Johnson	David A. Eminhizer	David A. Eminhizer	April Collier
Signature	Signature	Signature	Signature	Signature	Signature
DAVID A. EMINHIZER	Becky Johnson	Becky Johnson	DAVID A. EMINHIZER	DAVID A. EMINHIZER	APRIL COLLIER
Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
HALLIBURTON NUS	Mobile One labs	Mobile One labs	HALLIBURTON NUS	HALLIBURTON NUS	QAL
Company	Company	Company	Company	Company	Company
3/12/92 1715	3/12/92 1715	3/12/92 2120	3/14/92 2120	3/18/92 1120	03/18/92 @11:21
Date Time	Date Time	Date Time	Date Time	Date Time	Date Time

RECEIVED 93 MAR 18 A11:21

19964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

APPENDIX B

Stockpile Statistics Worksheets

STOCKPILE STATISTICS WORKSHEET
SIMPLE RANDOM SAMPLING AND SYSTEMATIC RANDOM SAMPLING

SOIL STOCKPILE NO. 2

1	List sample results from laboratory	1 156	2 82	3 73
	Analytical Method 418.1 (TRPH)	4 312	5 —	6 —
	Units (i.e. mg/kg) mg/Kg	7 —	8 —	9 —
2	Determine number of sample values n		n = 4	
3	Calculate sample mean With n = number of sample measurements $\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$		$\bar{x} = \frac{(156+82+73+312)}{4} =$ 155.75	
4	Calculate sample variance $s^2 = \frac{\sum_{i=1}^{n} x_i^2 - \frac{(\sum_{i=1}^{n} x_i)^2}{n}}{n-1}$		$s^2 = \frac{(133733.0 - 97032.25)}{3} =$ 12233.58	
5	Calculate sample standard deviation $s = \sqrt{s^2}$		s = 110.606	
6	Calculate degrees of freedom $df = n-1$		df = 3	
7	Calculate standard error of the mean $s_{\bar{x}} = \frac{s}{\sqrt{n}}$		$s_{\bar{x}} = \frac{110.606}{\sqrt{4}} = 55.30$	
8	Obtain student's 't' value corresponding to the degree of freedom value determined in #6 above. (See attached Table reproduced on the back of this page.)		t_{20} = 1.638	
9	Calculate the confidence interval $CI = \bar{x} \pm t_{20}\, s_{\bar{x}}$		$CI = 155.75 \pm 1.638 \times 55.30$ $= 155.75 - 90.58 =$ 65.17, 246.33	
10	Obtain regulatory threshold for the contaminant of concern RT		RT = 2000	
11	Calculate $\Delta = RT - \bar{x}$		$\Delta = 2000 - 155.75 =$ 1844.25	
12	Estimate minimum number of samples $n_{min} = \frac{t_{20}^2\, s^2}{\Delta^2}$		$n_{min} = \frac{(1.638)^2 \cdot 12233.58}{\Delta^2} =$ 0.00965	

PLEASE NOTE: In accordance with the California Code of Regulations, Title 22, Section 66694, the HMMD follows the sampling guidelines set forth in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Third Edition", U.S. Environmental Protection Agency, 1986. This worksheet is based on information found in Volume II, Part III, Chapter 9, of "SW-846" and is provided as an aid for stockpile characterization. For circumstances requiring data manipulation beyond that indicated on the worksheet, refer to "SW-846".

STOCKPILE STATISTICS WORKSHEET
SIMPLE RANDOM SAMPLING AND SYSTEMATIC RANDOM SAMPLING

SOIL STOCKPILE NO. 3

1	List sample results from laboratory	1 <10	2 <10	3 <10
	Analytical Method TPH BY DHS METHOD	4 153.2	5 —	6 —
	Units (i.e. mg/kg) mg/kg	7 —	8 —	9 —
2	Determine number of sample values n		$n = 4$	
3	Calculate sample mean With n = number of sample measurements $\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$		$\bar{x} = \frac{(0+0+0+153.2)}{4} = 38.30$	
4	Calculate sample variance $s^2 = \frac{\sum_{i=1}^{n} x_i^2 - \frac{(\sum_{i=1}^{n} x_i)^2}{n}}{n-1}$		$s^2 = \frac{23470.24 - 5867.56}{3} = 5867.56$	
5	Calculate sample standard deviation $s = \sqrt{s^2}$		$s = 76.60$	
6	Calculate degrees of freedom $df = n-1$		$df = 4-1 = 3$	
7	Calculate standard error of the mean $s_{\bar{x}} = \frac{s}{\sqrt{n}}$		$s_{\bar{x}} = \frac{76.60}{\sqrt{4}} = 38.30$	
8	Obtain student's 't' value corresponding to the degree of freedom value determined in #6 above. (See attached Table reproduced on the back of this page.)		$t_{20} = 1.638$	
9	Calculate the confidence interval $CI = \bar{x} \pm t_{20} s_{\bar{x}}$		$CI = 38.30 \pm 1.638(38.30) = -24.435, 101.035$	
10	Obtain regulatory threshold for the contaminant of concern RT		$RT = 100$	
11	Calculate $\Delta = RT - \bar{x}$		$\Delta = 100 - 38.30 = 61.70$	
12	Estimate minimum number of samples $n_{min} = \frac{t_{20}^2 s^2}{\Delta^2}$		$n_{min} = \frac{(1.638)^2(5867.56)}{\Delta^2} = 4.135$	

PLEASE NOTE: In accordance with the California Code of Regulations, Title 22, Section 66694, the HMMD follows the sampling guidelines set forth in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Third Edition", U.S. Environmental Protection Agency, 1986. This worksheet is based on information found in Volume II, Part III, Chapter 9, of "SW-846" and is provided as an aid for stockpile characterization. For circumstances requiring data manipulation beyond that indicated on the worksheet, refer to "SW-846".

REQUEST FOR CLASS III LANDFILL DISPOSAL OF HYDROCARBON CONTAMINATED SOIL

Soil Stockpile No. 1

I. SITE LOCATION

Site Name	Office Use Only: H 02651
La Mesa RV Center	
Site Address	**City** **Zip**
7601 Alvarado Road	La Mesa , CA 92041

II. GENERATOR OF WASTE

Generator Name	
La Mesa RV Center	
Mailing Address	**City/State** **Zip**
7601 Alvarado Road	La Mesa, CA 92041

III. SOIL CHARACTERIZATION

Amount of Soil (Cubic Yards)	This is an:	Number of Samples Analyzed:
20	☒ Estimate ☐ Actual	3

IV. CONSTITUENTS

	Concentration (MG/KG)					TPH by DOHS LUFT/EPA 8015 Conc. (MG/KG)	TRPH by IR (418.1) Conc. (MG/Kg)
	Benzene	Toluene	Xylene	Ethylbenzene	Organic Lead		
Mean		NOT ANALYZED				Non-Detect 10	
Range						Non-Detect	

(Check only one)
Soil disposition: ☒ Stock Pile ☐ In Place ☐ Drums ☐ Boring ☐ Other

Type of Contaminant: ☒ Gasoline ☐ Diesel ☐ Oil/Hydraulic Fluid ☐ Other _____

The following must be enclosed in the attached document dated: 4 27 92

1) All laboratory results in compliance with the "San Diego sampling and analysis requirements", documents. Section III, SA/M Manual, January 1991 or the most recent version.
2) Chain of Custodies.
3) Statistical Calculations: Table of Data Values, Mean, Range, Variance Standard Deviation, Appropriate Number of Samples, 80% Confidence Interval Upper and Lower Limit.
4) Plot Plan of Site/Soil Locations.
5) Plot Plan of Sample Locations.

V. Based on historical and present use of the site and completion of San Diego Sampling and laboratory analysis requirements, it is our opinion that the petroleum hydrocarbon contaminated soil is suitable for Class III landfill disposal. We request the above described soil be disposed of at Sycamore Canyon Landfill with concurrence of the landfill operator.

Consultant's Signature _____ Date 4-27-92

David A. Eminhizer
Consultant's Name (Please Print)

HALLIBURTON NUS Environmental Corporation
Consultants Company

Generator's Signature _____ Date 4-28-92

VI. This request, manifest and all receipts must be returned to the HMMD to complete the site closure process.

VII. Based on the data provided and providing it is true, accurate and representative of the soil described above, the HMMD and the RWQCB consider this soil to be suitable for disposal at Class III landfill.

HMMD Authorized Representative _____ Date _____

RWQCB Authorized Representative _____ Date _____

REQUEST FOR CLASS III LANDFILL DISPOSAL OF HYDROCARBON CONTAMINATED SOIL

I. SITE LOCATION

Soil Stockpile No. 2

Site Name	Office Use Only: H 02651
La Mesa RV Center	
Site Address	**City** / **Zip**
7601 Alvarado Road	La Mesa, CA 92041

II. GENERATOR OF WASTE

Generator Name	
La Mesa RV Center	
Mailing Address	**City/State** / **Zip**
7601 Alvarado Road	La Mesa, CA 92041

III. SOIL CHARACTERIZATION

Amount of Soil (Cubic Yards)	This is an:	Number of Samples Analyzed:
80	☒ Estimate ☐ Actual	4

IV. CONSTITUENTS

	Concentration (MG/KG)					TPH by DOHS LUFT/EPA 8015 Conc. (MG/KG)	TRPH by IR (418.1) Conc. (MG/Kg)
	Benzene	Toluene	Xylene	Ethylbenzene	Organic Lead		
Mean	NOT ANALYZED						155.75
Range						73 - 312	

(Check only one)
Soil disposition: ☒ Stock Pile ☐ In Place ☐ Drums ☐ Boring ☐ Other

Type of Contaminant: ☐ Gasoline ☐ Diesel ☒ Oil/Hydraulic Fluid ☐ Other _____

The following must be enclosed in the attached document dated: 4 / 27 / 92

1) All laboratory results in compliance with the "San Diego sampling and analysis requirements", documents. Section III, SA/M Manual, January 1991 or the most recent version.
2) Chain of Custodies.
3) Statistical Calculations: Table of Data Values, Mean, Range, Variance Standard Deviation, Appropriate Number of Samples, 80% Confidence Interval Upper and Lower Limit.
4) Plot Plan of Site/Soil Locations.
5) Plot Plan of Sample Locations.

V. Based on historical and present use of the site and completion of San Diego Sampling and laboratory analysis requirements, it is our opinion that the petroleum hydrocarbon contaminated soil is suitable for Class III landfill disposal. We request the above described soil be disposed of at Sycamore Canyon Landfill with concurrence of the landfill operator.

David A. Eminhizer — 4-27-92
Consultant's Signature — Date

David A. Eminhizer
Consultant's Name (Please Print)

HALLIBURTON NUS Environmental Corporation
Consultants Company

[signature] — 4-28-92
Generator's Signature — Date

VI. This request, manifest and all receipts must be returned to the HMMD to complete the site closure process.

VII. Based on the data provided and providing it is true, accurate and representative of the soil described above, the HMMD and the RWQCB consider this soil to be suitable for disposal at Class III landfill.

HMMD Authorized Representative — Date

RWQCB Authorized Representative — Date

REQUEST FOR CLASS III LANDFILL DISPOSAL OF HYDROCARBON CONTAMINATED SOIL

I. SITE LOCATION

Soil Stockpile No. 3

Site Name	Office Use Only: H 02651
La Mesa RV Center	
Site Address	**City** **Zip**
7601 Alvarado Road	La Mesa, CA 92041

II. GENERATOR OF WASTE

Generator Name	
La Mesa RV Center	
Mailing Address	**City/State** **Zip**
7601 Alvarado Road	La Mesa, CA 92041

III. SOIL CHARACTERIZATION

Amount of Soil (Cubic Yards)	This is an:	Number of Samples Analyzed:
100	☒ Estimate ☐ Actual	4

IV. CONSTITUENTS

	Concentration (MG/KG)					TPH by DOHS LUFT/EPA 8015 Conc. (MG/KG)	TRPH by IR (418.1) Conc. (MG/Kg)
	Benzene	Toluene	Xylene	Ethylbenzene	Organic Lead		
Mean	1.190	.410	1.800	1.390	Non-Detect	38.30	
Range	ONLY ONE SAMPLE ANALYZED FOR BTXE				ND.	to 153.2	

(Check only one)
Soil disposition: ☒ Stock Pile ☐ In Place ☐ Drums ☐ Boring ☐ Other

Type of Contaminant: ☒ Gasoline ☐ Diesel ☐ Oil/Hydraulic Fluid ☐ Other _____

The following must be enclosed in the attached document dated: 4 | 27 | 92

1) All laboratory results in compliance with the "San Diego sampling and analysis requirements", documents. Section III, SA/M Manual, January 1991 or the most recent version.
2) Chain of Custodies.
3) Statistical Calculations: Table of Data Values, Mean, Range, Variance Standard Deviation, Appropriate Number of Samples, 80% Confidence Interval Upper and Lower Limit.
4) Plot Plan of Site/Soil Locations.
5) Plot Plan of Sample Locations.

V. Based on historical and present use of the site and completion of San Diego Sampling and laboratory analysis requirements, it is our opinion that the petroleum hydrocarbon contaminated soil is suitable for Class III landfill disposal. We request the above described soil be disposed of at Sycamore Canyon Landfill with concurrence of the landfill operator.

David A. Eminhizer — 4-27-92
Consultant's Signature — Date

David A. Eminhizer
Consultant's Name (Please Print)

HALLIBURTON NUS Environmental Corporation
Consultants Company

[signature] — 4-28-92
Generator's Signature — Date

VI. This request, manifest and all receipts must be returned to the HMMD to complete the site closure process.

VII. Based on the data provided and providing it is true, accurate and representative of the soil described above, the HMMD and the RWQCB consider this soil to be suitable for disposal at Class III landfill.

HMMD Authorized Representative — Date

SENT TO CLASS II → COPY OF MANIFEST?

RWQCB Authorized Representative — Date

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER: (619) 699-2418

RECEIVED
JAN 3 11 11 AM '94
ENVIRONMENTAL
HEALTH SERVICES

December 29, 1993

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

1-6 - REVIEWED, LEFT ATTN'Y. MSG.

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report as required by your October 26, 1993 letter and official notice. This update will cover activities occurring since my last update of November 29,1993.

A workplan for additional site assessment activities prepared by Environmental Business Solutions on behalf of La Mesa RV was submitted on November 29, 1993. By your letter of December 9, 1993 the Site Assessment and Mitigation Division (SA/M) approved La Mesa RV's workplan with minor changes and conditions. La Mesa RV plans to utilize the suggested changes contained in that letter.

The drilling and installation of wells has been scheduled with the subcontractor, Tri-County Drilling. However, we are informed that due to a large volume of site assessment activities underway in the San Diego County area, the drilling rig which will be used pursuant to the approved workplan will not first become available until February 10 and 11, 1994. We have scheduled the rig for use on the site on those two dates. Consequently, we must request an extension of the date within which the report of site activities must be provided to your office.

Your December 9, 1993 letter required a report to be submitted

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

APPROVED, BUT NOTHING PAST THIS.

not later than January 30, 1994 to SA/M and the Regional Water Quality Control Board. We request that this date be extended an additional sixty days to March 30, 1994 to permit sampling activities to be performed, laboratory results to be analyzed and a formal report to be prepared. Please advise at your earliest convenience.

Additionally, in light of the schedule of activities described above, La Mesa RV requests that it be permitted to return to a ninety-day reporting schedule pursuant to Title 23, C.C.R. § 2652.

We thank you in advance for your courtesy and cooperation in this matter. If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER: (619) 699-2418

RE[illegible]ED
Nov 29 3 12 PM '93
[illegible]L
HEAL[illegible]ICES

November 29, 1993

HAND DELIVERED

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Update Report and Work Plan Submittal

Dear Mr. Skinner:

This office has been retained by La Mesa RV Center to assist it in its efforts to respond to the County's official notices and comply with the requirements to conduct site assessment and mitigation activities with respect to the above-described unauthorized release. La Mesa RV Center requests that the County direct further communications concerning this matter to my attention.

This letter is intended to serve as an update report as required by your October 26, 1993 official notice and prior correspondence. This letter will also serve as the transmittal of the enclosed work plan describing the additional site assessment activities as required by your June 2, 1993 and October 26, 1993 official notices.

By correspondence dated July 12, 1993 and your telephone conversation of July 6, 1993, Mr. Jim Buckner of La Mesa RV provided a partial response to the requirements of the June 2, 1993 letter. Thereafter, Mr. Buckner contacted a number of prospective consultants in an attempt to obtain bids for preparation of a work plan. However, Mr. Buckner was unable to obtain the requisite three bids and therefore, subsequently retained our services to assist in this endeavor.

Over the past thirty days we have prepared a request for proposal regarding preparation of a work plan and the conducting of site assessment activities to determine the lateral and vertical extent of contamination at the site. We obtained bids from several consultants and ultimately awarded the contract to Environmental Business Solutions, Inc.

Enclosed you will find a work plan dated November 24, 1993, prepared by Environmental Business Solutions, which I believe you will find self explanatory. La Mesa RV Center is prepared to begin implementation of the site assessment activities described in the work plan upon approval of the work plan by the County of San Diego, Site Assessment and Mitigation Division.

If you have any questions concerning this update report or the enclosed work plan, please do not hesitate to contact me.

Very truly yours,

Stephen L. Marsh

Enclosure

cc: Joe McWalters, RWQCB
Diana Romero, SWRCB (without enclosures)
Jim Buckner, LMRV
Dan Johnson, EBS

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

November 24, 1993 Copy No. 4
Project Number: 93E1163.1

Mr. Lars Skinner
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
Post Office Box 85261
San Diego, California 92186-5261

RE: Workplan Describing the Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division for the La Mesa RV Center - 7601 Alvarado Road, La Mesa, California (site)

Dear Mr. Skinner:

Environmental Business Solutions, Inc. (EBS) is pleased to present this workplan for your consideration relative to the requirements of the Site Assessment and Mitigation Division (SAM) for the above-referenced site.

EBS has prepared this written workplan which is intended to satisfy the requirements of the SAM prior to performing additional soil and groundwater investigation at the site. This workplan describes the site background, the procedures to be utilized during the field investigation, the type of laboratory analyses to be performed on soil and groundwater samples, and the type of report to be prepared.

Background

We understand that four underground storage tanks (USTs) of various capacities were previously located at the site and were recently removed. The underground tanks were reported to store new and used oil, and gasoline. The USTs were located immediately west and south of a service-bay building at the site (Figure 1). The four USTs at the site were reported to consist of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

The USTs were reported to have been removed by a contractor, Alm Services (Alm), in February, 1988. The "Abandoned Underground Tank Report" prepared for the site by the County inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs removal, although groundwater was observed at a depth of approximately seven feet below grade in the excavation.

Correspondence from Alm to the County in March of 1988 indicates that six soil samples from the USTs excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May of 1988, Alm was reported to have collected an additional three samples from the new and used oil USTs excavation. Detectable concentrations of TRPH were found in each of the three samples.

In March of 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted a multi-day exploratory excavation program at the site. We understand approximately 400 cubic yards of soil was excavated from the vicinity of the former gasoline and oil USTs. Numerous confirmation samples were collected during the excavation program (see Figure 1), but we understand that confirmation samples indicate that soil with elevated concentrations of both TPH and TRPH remains in the vicinity of the excavation (including laterally underneath the service bay building). We also understand that Halliburton concluded that groundwater in the area of the excavations may be impacted.

In preparing this workplan, EBS personnel reviewed two letters addressed to Mr. James Buckner from you. In addition, we contacted you to go over the contents of the letters and to discuss additional site assessment activities at the site. In addition to the above-described activities, personnel of EBS visited the site to confirm site conditions. The site visit took place on November 9, 1993.

The program described in this proposal has been designed in general accordance with the requirements of the SAM, our site visit, the data gathered and interpreted in preparing this workplan, as well as our professional judgment and experience in this type of investigation.

OBJECTIVES

The objectives of this proposed scope of services are to:

- Further assess the extent of petroleum hydrocarbon impacted soil in the vicinity of former gasoline, and new and used oil USTs at the site;
- To assess the groundwater depth, gradient and flow direction; and,
- To assess the degree of likelihood that the shallow groundwater at the site has or has not been impacted by petroleum hydrocarbons.

SCOPE OF SERVICES

The scope of services that will be used to meet the objectives includes the following Phases:

Phase I **Preparation of a Workplan and Site Health and Safety Plan, Groundwater Monitoring Well Design, Preparation of Well Permits, Subcontractor Management and Scheduling, and Utility Search and Mark Out**

EBS has prepared this written workplan which is intended to satisfy SAM requirements. This workplan is intended to describe the field procedures to be utilized in the field investigation, including the type of laboratory analyses to be performed on the soil and groundwater samples, and soil and groundwater sample collection methods. This workplan includes the proposed location for additional soil borings and groundwater monitoring wells (Figure 1). The soil boring program has been designed to assess the lateral and vertical extent of petroleum impacted soil in the vicinity of the former USTs. The groundwater monitoring wells are to be placed in locations

designed to reflect the anticipated groundwater flow direction at the site, and to detect a possible release into the groundwater from the former USTs.

A health and safety plan for the site will be prepared to reflect the current work scope. A health and safety plan for work conducted at the site and workers within the "exclusion" zone is required pursuant to the regulations found in 29 Code of Federal Regulations (CFR) Part 1910.120. As such, a health and safety plan will be prepared which will outline the potential chemical and physical hazards that may be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards will be detailed in this plan. EBS and contracted personnel involved with the proposed field work will be required to sign this document in order to encourage proper health and safety practices.

Prior to drilling the soil borings and installing the monitoring wells, the monitoring wells must be designed and one permit per well (or soil boring which intersects groundwater) will be completed and submitted to the SAM for approval along with the required fee. The permits will reflect monitoring well designs and completions in accordance with California Department of Water Resource and San Diego County requirements. The permits will be signed by the appropriately licensed professional and submitted with the required fee to the SAM.

Prior to mobilizing for field work, EBS will notify and schedule the appropriate subcontractors including but not limited to, the laboratory, the drilling company, the surveyor, the concrete coring company, concrete masons, Underground Service Alert (USA), and the well material supply company. In addition, prior to drilling soil borings, time is included for EBS to work with USA and a private underground utility search company to attempt to locate subsurface utilities and improvements at the site to minimize the likelihood of drilling into an underground utility.

Phase II **Drilling and Sampling of Seven Soil Borings and the Conversion of Three Soil Borings to Groundwater Monitoring Wells**

Drilling and Sampling Seven Soil Borings

Seven soil borings will be drilled, logged, and sampled to depths of between 15 and 20 feet below grade at the site (or until a depth where soil samples with non-detectable concentrations of petroleum hydrocarbons are found). Three borings will be drilled to depths of 20 feet below grade (or until refusal is met) in the vicinity of the western and southern perimeter of excavation at the site. These soil borings will be converted to groundwater monitoring wells (MW1, MW2, and MW3, see Figure 1). Four soil borings (B1 through B4) will be drilled near the former new and used oil UST locations (see Figure 1).

The location of these borings has been designed to provide additional information about the possible migration of petroleum hydrocarbons west, south and east from the former new and used oil and gasoline USTs area.

We anticipate that one of the soil borings (B3) will be drilled inside the building at the site, to the east of the former gasoline UST and to the north of the former used and new oil USTs.

The drilling program at the site will be monitored by a professional geologist from EBS. Our on-site representative will be either a State-certified Engineering Geologist (CEG), or a Registered Geologist (RG) with over 10 years of experience in field investigation programs.

A brief presentation of the rationale for soil boring/groundwater monitoring well locations is presented below. The proposed soil boring/groundwater monitoring well locations are presented on the attached Figure 1.

Soil Boring/Monitoring Well No.	Location/Rationale
B1	Located in the immediate vicinity west of soil sample OES-13 (23,000 mg/kg) and near OES-11 (16,000 mg/kg) and OES-12 (18,000 mg/kg). To assess the vertical extent, migration and concentration of petroleum hydrocarbons near the above-mentioned soil sample locations.
B2	Located near the northeastern portion of the excavation near the former new and used oil USTs. Located near soil samples OES-15 (7,700 mg/kg) and OES-6 (8,200 mg/kg). To assess the lateral and vertical migration of petroleum hydrocarbons in this area.
B3	Located inside the RV service bay. To assess the potential horizontal migration of gasoline to the east of soil samples GES-6 and GES-8 (920 and 470 mg/kg, respectively) and to assess the possible migration of petroleum east of soil sample OES-10 (15,600 mg/kg) and to the north of the new and used oil USTs area.
B4	Located near soil sample GES-6 (920 mg/kg). To assess the vertical migration and extent of gasoline-impacted soil in this area.
MW1	Located west of the former gasoline UST. To assess the potential occurrence of impacted soil to the west of soil samples OES-9 and OES-11 and to provide an assessment of groundwater quality in the inferred downgradient direction from the former gasoline UST.
MW2	Located west of the used and new oil USTs excavation area. To assess the lateral extent of impacted soil to the west of samples OES-11, 12, and 13 and to provide an assessment of the groundwater

	quality to the west of the former new and used oil USTs.
MW3	Located south of the former new and used oil USTs. This soil boring/monitoring well is intended to provide baseline information about the possible migration of contaminants in the soil and groundwater to the south of the used and new oil UST area. This monitoring well is also intended to provide control on the assessment of gradient and groundwater flow direction at the site.

We will drill six soil borings outside using a truck-mounted Canterra 450 high-torque drill rig. The one boring inside the building will be drilled using a Simco 3000 truck-mounted drill rig (the boring inside the building will require the use of the Simco 3000 drill rig because of the low overhead clearance). Because difficult drilling conditions are anticipated at the site, EBS solicited drilling bids from three different drilling companies. We selected the bid from Tri-County Drilling based on their representations of having a high probability of success in drilling in the anticipated difficult-to-drill conditions at the site (Stadium Conglomerate).

Should site drilling conditions allow, the first soil boring drilled at the site will be profiled utilizing continuous coring. This should greatly assist in our assessment of the subsurface soil conditions at the site. In particular, it should assist us in our assessment of possible zones of greater or lesser permeability which could affect the migration of petroleum hydrocarbons in the subsurface soil or groundwater.

Because groundwater is reported at relatively shallow depths, and some distinct soil lithologies were reported at depths of five to six and eight to ten feet below grade, we anticipate collecting soil samples from soil borings at approximately 5, 8, 10, 15 and 20 feet below grade or at significant lithologic changes.

Each of the borings not converted to a groundwater monitoring well will be backfield with an approved grout. As required by San Diego County guidelines, either pre-steam washed augers will be on-site or a steam cleaner will be on-site to steam wash the augers between soil borings to minimize the likelihood of "cross-contaminating" the borings and to minimize the potential for a "false positive" in the soil samples analyzed.

During the drilling of the soil borings, soil samples will be collected, when possible, with a split-spoon type or similar sampler. Soil samples will be driven into brass or stainless steel tubes. The tubes will be covered with teflon sheeting, tightly closed with end caps, and taped for handling and transportation activities. The sample containers will be packed in ice-filled coolers or stored in the refrigerator of the on-site mobile laboratory. Chain-of-custody procedures will be implemented for sample tracking. A written analytical report will be provided by the laboratory upon the completion of the sample testing. Please note that site conditions may not allow for the collection of drive samples. If this is the case, we will make best efforts to collect representative samples from the subsurface.

Installation of Three Groundwater Monitoring Wells

Three groundwater monitoring wells (wells) will be installed at the site to the west and south of the former USTs. The well placements will be designed to investigate the possible impact to groundwater from a petroleum hydrocarbon release from the former USTs. Based upon a review of the United States Geologic Survey La Mesa Quadrangle Map, and the groundwater information provided by Halliburton for the site, we anticipate a groundwater depth of approximately 9 to 10 feet and a regional flow direction roughly corresponding with Alvarado Creek, generally towards the west.

Based on the reported depth to groundwater at the site, we anticipate the wells be drilled to a maximum depth of approximately 20 feet below grade. The wells will be constructed using four-inch diameter PVC casing and screen. The surface completion will consist of a flush-mounted traffic-rated road box. As required by the San Diego County, a well permit will be obtained prior to drilling the wells. Soil cuttings generated from drilling of the wells will be placed in 55 gallon drums and labeled and left on site.

During well installation, the wells will be developed in general accordance with SAM guidelines. Within approximately one week of well development, the newly installed wells will be purged and sampled in general accordance with SAM guidelines. Development and purging water will be placed in appropriately labeled drums and stored on site.

Surveying of Groundwater Monitoring Wells

The well locations and elevations will be surveyed by a licensed surveyor to allow an assessment of the depth to groundwater and hydraulic gradient. Both vertical and horizontal control will be surveyed to 1/100 of a foot.

Monitoring, Purging and Sampling of Groundwater Monitoring Wells

After surveying, the wells will be monitored using an electronic interface probe. This instrument is capable of detecting both product and groundwater, with a reported accuracy of 1/100 of a foot. The depth to water and depth to and thickness of product (if present) will be measured and recorded. A clear bailer will be lowered into each well to collect a sample of groundwater to visually evaluate the presence of product.

In order to prepare for sampling, we anticipate that each well will be purged using a submersible pump. Purged water will be placed in appropriate drums, labeled, and left on site. After one volume of water is purged, groundwater levels will be monitored. If the wells are interpreted to be slow recharging, groundwater samples will be collected after two hours of purging. Otherwise, samples will be collected after three borehole volumes of water have been removed. Samples will be collected using a disposable bailer. Samples will be decanted into appropriately preserved volatile organic analysis (VOA) vials, capped, sealed, labeled, and placed on ice. The samples will be delivered to a State certified hazardous waste laboratory using chain-of-custody documentation.

Sample Analyses

EBS will retain a mobile laboratory to conduct on-site analytical testing. This way, should impacted soil extend further vertically or laterally than target depths or soil boring locations, additional soil samples can be collected while personnel and equipment are already mobilized at the site. As many as four soil samples from each boring (including at least one sample collected from within the field interpreted saturated zone) will be analyzed for total petroleum hydrocarbons (TPH) in general accordance with modified EPA Method 8015 and for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1 Based on our understanding of the June 2, 1993 letter to James Buckner, all additional samples collected from the site must be analyzed for both TPH and TRPH.

In addition, the soil sample with highest reported TRPH concentration from a soil boring in the vicinity of the former new and used oil USTs will be analyzed for polychlorinated biphenyls, chlorinated solvents, benzene, toluene, ethylbenzene and xylenes, (BTEX) and organic lead. This sample will be analyzed in general accordance with EPA methods 8010, 8020, and 8080, and the Department of Health Services Method for organic lead. These additional analyses are also based on our understanding of the June 2, 1993 letter to Mr. James Buckner. & HIGHEST TPH FOR 8020, O.Pb.

One water sample per well will be collected and will be analyzed for total petroleum hydrocarbons in general accordance with modified EPA Method 8015 and BTEX in general accordance with EPA Method 8020. One water sample per well will also be analyzed for total lead, in general accordance with SAM guidelines.

Phase III **Data Evaluation, Figure and Table Preparation, Soil Boring and Monitoring Well Log Preparation and Report Preparation**

Based on the findings of the field investigation and laboratory results from the above scope of services and the historical findings provided by the Client, an assessment report (Report) will be written in general accordance with SAM guidelines. The Report will include laboratory reports, chain-of-custodies, permits, illustrations reflecting the sampled subsurface, logs of the soil borings and construction "as builts" of the wells, tabulated analytical results, and appropriate support documentation. The report will include an assessment of the depth of groundwater, groundwater flow direction, gradient, and the impact to shallow soil and groundwater from TPH and BTEX.

The Report will be peer reviewed and signed by a California Certified Engineering Geologist.

In addition to the above described report, in order to comply with the requirements of the well/soil boring permits, a "thirty day" report will be prepared and submitted to the SAM.

Estimated Schedule

We estimate that the total time necessary to complete the above phased scope of services is approximately 30 to 35 working days.

EBS appreciates the opportunity to provide you with a workplan on this important project. Should you have any questions regarding this letter please contact the undersigned at (619) 571-5500.

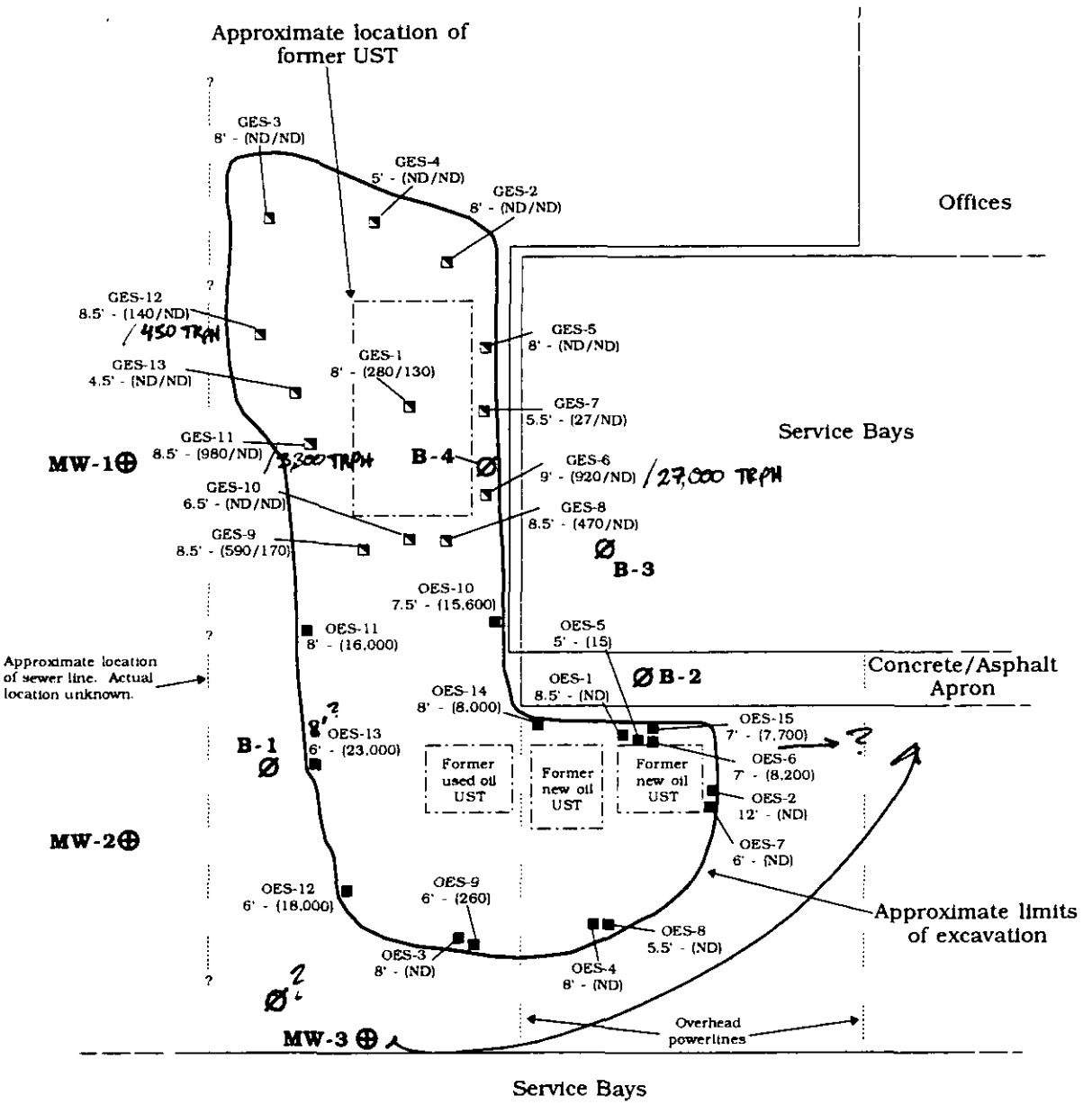
Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Daniel E. Johnson
Principal

Barry S. Pulver, CEG 1364
Principal

DEJ7/93E11631.wkp

cc: Stephen L. Marsh, Luce, Forward, Hamilton & Scripps
Joe McWalters, RWQCB
James Buckner, La Mesa RV



LEGEND

⊕	**Proposed monitoring well.**
Ø	**Proposed soil boring location.**
OES-9 6' - (260)	**Soil sample collected by Halliburton NUS from the oil UST excavation area. Indicates sample number, depth and Total Recoverable Petroleum Hydrocarbon (TRPH) concentration in mg/kg. ND = not detected at the laboratory detection limit of 10 mg/kg.**
GES-6 9' - (920/ND)	**Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area. Indicates sample number, depth and Total Petroleum Hydrocarbon (TPH) concentration in mg/kg (gas/diesel). ND = not detected at the laboratory detection limit of 10 mg/kg.**

Approximate Scale in Feet

0 12 24

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Site Plan** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93P1165.1 **Figure 1**



Overview of site. View to northeast.

Environmental Business Solutions, Inc.	Photographic Plate La Mesa R.V. Center 7601 Alvarado Road La Mesa, California	Project No. 93E1165.1	Figure 2

7601 Alvarado Road, Post Office Box 1670 / La Mesa, CA 91944-1670 / (619) 462-5660

H0265I-001

LA MESA RV CENTERS
World's Largest RV Dealer

RECEIVED
JUL 14 11 23 AM '93
COUNTY OF SAN DIEGO
HEALTH SERVICES

July 12, 1993

Lars Skinner
Hazardous Materials Specialist
Site Assessment and Mitigation Div.
County of San Diego
Department of Health Services
P O Box 85261
San Diego, CA 92186-5261

RE: Your letter of June 2, 1993 and our telephone conversation of July 6, 1993

Dear Mr. Skinner:

Enclosed are copies of the Chain of Custody LMRV-OES 1 thru 15 and summary tables II and III.

The estimated 400 cubic yards of soil was all hauled to the Class II site in Arizona. The weight was 460.99 tons. The explanation for the low conversion number of 1.15 may have something to do with the fact that some of the soil was dry from laying there since May 1988, along with the estimate of 400 cubic yards being high.

I left a message on your voice mail today requesting a copy of the consultants list. I have called Odgen, (no response) and Woodward Clyde, (not interested), hope I'll have better luck with list.

SENT 7-15 (.3)

Sincerely,

Jim Buckner
Director of Fixed Operations

JB:b

Encls:

TABLE II

SUMMARY OF LABORATORY TEST RESULTS
Fuel Tank Excavation
(Test Method EPA 418.1)

SAMPLE IDENTIFICATION	DEPTH (BGS[1])	CONCENTRATION (MG/KG[2])
LMRV-GES-6	8.0	27,000
LMRV-GES-11	8.0	3,300
LMRV-GES-12	8.0	450

1 BGS - Feet Below Ground Surface
2 MG/KG - Milligrams per kilogram

Note: Equipment/procedure detection limits were 10 MG/KG.

TABLE III

SUMMARY OF LABORATORY TEST RESULTS
Oil Tank Excavation
(Test Method EPA 418.1)

SAMPLE IDENTIFICATION	DEPTH (BGS[1])	CONCENTRATION (MG/KG[2])
LMRV-OES-1	7.5	<10[3]
LMRV-OES-2	12	<10
LMRV-OES-3	12	<10
LMRV-OES-4	12	<10
LMRV-OES-5	5	15
LMRV-OES-6	6	8,200
LMRV-OES-7	6	<10

1 BGS - Feet Below Ground Surface
2 MG/KG - Milligrams per kilogram
3 <10 - Concentration not found above the detection limit

Note: <10 represents equipment/procedure detection limits.

07-08-1993 09:08AM FROM MOBILE ONE LABORATORIES TO 4613053 P.02

MOBILE/ONE LABORATORIES, INC.

CHAIN-OF-CUSTODY RECORD

Date 3/14/92 page 1 of 2

Client: Halliburton NUS
Address: Site La Mesa RV Center
7601 Alvarado Dr
La Mesa CA
Project: 2N60
Sampler (signature):

Analysis Requested

Sample No.	Date	Time	Location	418						No. of containers	Comments
LMRV-OES-1	3/14/92	1225		X						1	
LMRV-OES-2		1240		X						1	
LMRV-OES-3		1255		X						1	
LMRV-OES-4		1305		X						1	
LMRV-OES-5		1315		X						1	
LMRV-OES-6		1715		X						1	
LMRV-OES-7		1728		X						1	
LMRV-OES-8		1735		X						1	
LMRV-OES-9		1739		X						1	
LMRV-OES-10		1922		X						1	

Storage/Shipping Info.: 10 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
[signature]	[signature]	[signature]	[signature]		
Signature	Signature	Signature	Signature	Signature	Signature
DAVID A. EMINHIZER	Becky Johnson	Becky Johnson	DAVID A. EMINHIZER		
Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
HALLIBURTON NUS	Mobile One Labs	Mobile One Labs	HALLIBURTON NUS		
Company	Company	Company	Company	Company	Company
4/92	3/14/92	3/14/92 2115	3/14/92 2115		
Time	Date Time	Date Time	Date Time	Date Time	Date Time

4 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

MOBILE/one LABORATORIES, INC.

CHAIN-OF-CUSTODY RECORD

Date 3/14/92 Page 2 of 2

Client: Halliburton NUS
Address: site La Mesa RV Center
7601 Alvarado Dr
La Mesa CA
Project: 2N60
Sampler (signature):

Analysis Requested

Sample No.	Date	Time	Location	418.1						No. of containers	Comments
LMRV-OES-11	3/14/92	1930		X						1	
LMRV-OES-12		2015		X						1	
LMRV-OES-13		2025		X						1	
LMRV-OES-14		2100		X						1	
LMRV-OES-15		2102		X						1	

Storage/Shipping Info.:

5 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RECEIVED ~~RELINQUISHED~~ BY	RELINQUISHED ~~RECEIVED~~ BY	RELINQUISHED BY	RECEIVED BY
[signature]	[signature]	[signature]	[signature]		
Signature	Signature	Signature	Signature	Signature	Signature
David A. Emmerer	Becky Johnson	David A. Emmerer	Becky Johnson		
Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Halliburton NUS	Mobile One Labs	Halliburton	Mobile One Labs		
Company	Company	Company	Company	Company	Company
3/14/92	3/14/92	3/14/92 2115	3/14/92 2115		
Time	Date Time	Date Time	Date Time	Date Time	Date Time

TOTAL

64 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO OFFICE

RECEIVED
JAN 3 2 01 PM '95
HEALTH SERVICES

December 30, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Ninety-Day Update Report

Dear Mr. Skinner:

I am writing to provide a ninety-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of September 30, 1994.

We previously submitted a report of site assessment activities prepared by Environmental Business Solutions, as required. Subsequently, all purge water and soil cuttings were disposed of under permit and in accordance with applicable requirements. A report of these activities was submitted. According to the conclusions and recommendations of the report of Environmental Business Solutions, it would appear that no further action is required at this time. We continue to await your concurrence.

All additional required applicable information remains unchanged. Our next update report will be due on March 30, 1995.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO OFFICE

September 30, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Ninety-Day Update Report

Dear Mr. Skinner:

I am writing to provide a ninety-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of June 30, 1994.

We previously submitted a report of site assessment activities prepared by Environmental Business Solutions, as required. Subsequently, all purge water and soil cuttings were disposed of under permit and in accordance with applicable requirements. A report of these activities was submitted. According to the conclusions and recommendations of the report of Environmental Business Solutions, it would appear that no further action is required at this time. We await your concurrence.

All additional required applicable information remains unchanged. Our next update report will be due on December 30, 1994.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO OFFICE

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JUL 5 1 05 PM '94
HEAL... ...CES

June 30, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of May 31, 1994.

During our telephone conversation on Tuesday, you advised you have no objections to our returning to a 90-day reporting schedule. Therefore, we will do so. Accordingly, our next report will be due on September 30, 1994.

You also suggested I contact Mark Fitzmaurice of SA/M since the case was being transferred to him. I spoke to Mr. Fitzmaurice Thursday, and he advised me that the matter has not yet been transferred to him and that I should continue reporting to you. Therefore, until further notice, we will continue to submit all communications to your attention.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO OFFICE

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MAY 31 2 21 PM '94
ENVIRONMENTAL
HEALTH SERVICES

May 31, 1994

HAND DELIVERED

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of April 30, 1994.

Enclosed please find a Report of Disposal of Soil Cuttings and Groundwater prepared by Environmental Business Solutions. This report summarizes the disposal activities which took place on the site between March 18, 1994 and April 21, 1994.

All purge water and soil removed during previous site assessment activities have now been removed from the site.

At your request, we have been providing periodic status update reports on a 30-day reporting schedule pursuant to Title 23, C.C.R. § 2652. In light of the nature of activities at the site in compliance with applicable regulations, we request that we be returned to the usual 90-day reporting schedule. If you approve, our next report will be due August 30, 1994.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

Enclosure

cc: Vincente R. Rodriguez, RWQCB w/encl.
James Buckner, La Mesa RV w/encl.
Daniel Johnson, EBS, Inc. w/o encl.

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Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

May 17, 1994
Project Number: 93E1163.1

Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 W. Broadway, Suite 2600
San Diego, CA 92101

RE: Disposal of Soil Cuttings and Purged Groundwater
La Mesa R. V. Center, 7601 Alvarado Road, La Mesa, California (site)

Dear Mr. Marsh:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter describing the disposal of soil cuttings and purged groundwater generated from the assessment that EBS recently performed at the subject site. The work described in this letter was conducted by EBS in response to your request and authorization, and in general accordance with Agreement For Services 93E1163.1, Change Order Number 3 and the contract between EBS and La Mesa R. V. Center, Inc. (client). The contract was fully executed on February 3, 1994.

BACKGROUND

The site assessment activities performed by EBS included the drilling of nine soil borings, converting three of the soil borings to groundwater monitoring wells (wells), and the sampling of the three wells. Soil cuttings from the soil borings and groundwater removed from the wells during well development and pre-sampling purging were placed in drums, labeled (including data on the material stored in each drum), sealed, and stored along the western wall of the service bay.

On March 3, 1994, Change Order Number 3 was submitted for the disposal of soil cuttings and purged groundwater. The change order was approved on March 11, 1994. Work in Change Order Number 3 included:

- Collecting one composite soil sample from the drums and testing the sample using TCLP procedures for chrome, lead, and cadmium;
- Preparation and submission of an application for batch discharge to the San Diego Industrial Waste Program (IWP);
- Disposal of the drummed groundwater into the sanitary sewer; and,
- Transportation by Alternative Disposal, Inc., of the drummed soil to the Pen-Rob facility in Joseph City, Arizona, for treatment and disposal.

Collecting one composite soil sample from the drums and testing the sample using TCLP procedures for chrome, lead, and cadmium

On March 18, 1994, a representative from EBS visited the site and collected one composite soil sample. The sample was collected from drums containing soil from soil borings B-4 and B-1, the soil borings with

the highest reported concentration of total recoverable petroleum hydrocarbons. Approximately equal volumes of soil were removed from each drum, mixed, and packed into a laboratory-supplied jar. The jar was labeled, sealed, and placed in an ice chest containing blue ice. A "Chain of Custody" form was filled out.

The soil sample was submitted to Analytical Technologies, Inc. (ATI) for analysis. As requested by Pen-Rob, a TCLP extract of the sample was made, and the extract tested for chrome, lead, and cadmium in general accordance with EPA Method 6010. As indicated on the attached laboratory test report, the sample was reported to contain no detectable concentrations of chrome, lead, and cadmium.

Preparation and submission of an application for batch discharge to the San Diego Industrial Waste Program (IWP)

On April 1, 1994, a Groundwater Discharge Authorization Request was submitted to Mr. Toby Shipley of the IWP. On April 11, 1994, the request was approved. A copy of the request is attached.

Disposal of purged groundwater and soil cuttings

On April 21, 1994, a representative from EBS was present at the site to assist in the disposal of the purged groundwater and soil cuttings. Four drums of purged groundwater were moved to the recreational vehicle sewage holding tank clean out located in the southwest portion of the site. Water from the drums was removed with a five-gallon bucket and placed into the sewer inlet at the disposal site. Approximately 100 gallons of water were disposed.

Approximately 15 drums of soil were loaded onto a truck provided by Alternative Disposal, Inc. A representative of La Mesa R. V. Center, Inc. was present to sign the necessary papers. All of the drums were transported to the Pen-Rob facility for treatment. A copy of the Non-Hazardous Waste Data Form is attached.

It was a pleasure working on you with this important project. If we may provide any further assistance, please do not hesitate to contact us.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver
Principal

Daniel E. Johnson
Principal

BSP10/93E11631.lt1

Attachments

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

March 30, 1994
Project Number: 93E1163.1

Copy No. 5

La Mesa R. V. Center, Inc,
c/o Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 West Broadway, Suite 2600
San Diego, CA 92101

RE: Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (site)

Dear Mr. Marsh:

Environmental Business Solutions, Inc. (EBS) is pleased to submit this report which summarizes the soil and groundwater assessment recently conducted at the subject site (Figure 1). The work described in this Report was conducted by EBS in response to your request and authorization and in general accordance with Agreement For Services 93P1163.1 and Change Order's 1, 2, and 3 to the contract between EBS and La Mesa R. V. Center, Inc. (client). The contract was fully executed on February 3, 1994.

BACKGROUND

It is our understanding that four underground storage tanks (USTs) of various capacities were previously located at the site and were recently removed. The underground tanks were reported to store new and used oil and gasoline. The USTs were located immediately to the west and south of a service-bay building at the site (Figure 2). The four USTs at the site were reported to consist of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

The USTs were reported to have been removed by a contractor, Alm Services (Alm), in February, 1988. The "Abandoned Underground Tank Report" prepared for the site by the County inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs removal, although groundwater was observed at a depth of approximately seven feet below grade in the excavation.

Correspondence from Alm to the County in March of 1988 indicates that six soil samples from the USTs excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May of 1988, Alm was reported to have collected an additional three samples from the new and used oil USTs excavation. Detectable concentrations of TRPH were found in each of the three samples.

In March of 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted a multi-day exploratory excavation program at the site. We understand that approximately 400 cubic yards of soil were excavated from the vicinity of the former gasoline and oil USTs. Numerous confirmation samples were collected during the excavation program (see Figure 2 and Tables 1 and 2), but we understand that confirmation samples indicated that soil with elevated concentrations of both TPH and TRPH remains in the vicinity of the excavation (including laterally underneath the service bay building).

We also understand that Halliburton concluded that groundwater in the area of the excavations may be impacted.

It is our understanding, based on review of a letter issued by the SAM on June 2, 1993, that the SAM had requested an additional assessment of the lateral and horizontal extent of petroleum-hydrocarbon-bearing soil and an assessment of groundwater quality.

Site Identification

Site Name:	La Mesa R. V. Center
Site Address:	7601 Alvarado Road, La Mesa, California 92401
SAM Case No.:	T0427/H02651-001
A. P. N.:	469-021-02

Site Location/Description

The site is located south of Interstate 8 in the commercial/retail section of La Mesa, California (Figure 1). Currently the site is used for the sales and service of recreational vehicles. Site improvements include offices, showrooms, service bay areas, and associated driveways and parking areas.

OBJECTIVES

The objectives of the scope of services were to:

- Further assess the vertical and horizontal extent of petroleum-hydrocarbon-bearing soil in the vicinity of the former gasoline, and new and used USTs at the site;
- To assess the groundwater depth, gradient, and flow direction; and,
- To assess the degree of the likelihood that the shallow groundwater at the site has, or has not, been impacted by petroleum-hydrocarbons.

SCOPE OF SERVICES

The scope of services that was developed to meet the objectives included the following phases:

Preparation of a Workplan and Site Health and Safety Plan, Groundwater Monitoring Well Design, Preparation of Well Permits, and Utility Search and Mark Out

EBS prepared a written workplan which was intended to satisfy SAM requirements. The workplan described the field procedures to be utilized in the field investigation, including the type of laboratory analyses to be performed on the soil and groundwater samples, and the soil and groundwater sample collection methods. The workplan included the proposed location for additional soil borings and groundwater monitoring wells. On November 24, 1993, the workplan was submitted to the SAM. On December 3, 1993, the SAM issued a letter stating that the workplan was approved on the condition that the soil sample with the highest reported TPH concentration be analyzed for volatiles in general accordance with EPA Method 8020 and organic lead, that

monitoring well MW-3 be located to the east of the former USTs, and that one additional soil boring be drilled and sampled. A copy of the SAM approval letter is attached in the Appendix.

A health and safety plan for the site was prepared to reflect the current work scope. A health and safety plan for work conducted at the site and workers within the "exclusion" zone is required pursuant to the regulations found in 29 Code of Federal Regulations (CFR) Part 1910.120. As such, a health and safety plan was prepared which outlined the potential chemical and physical hazards that may have to be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards were detailed in this plan. EBS and contracted personnel involved with the proposed field work were required to sign this document in order to encourage proper health and safety practices.

Prior to drilling the soil borings and installing the monitoring wells, the monitoring wells were designed and one permit per well (or soil boring which intersects groundwater) was completed and submitted to the SAM for approval along with the required fee. The permits were submitted to the SAM on January 20, 1994. The permits were approved by the SAM on February 3, 1994. A copy of the approved well permit is attached in the Appendix.

Prior to mobilizing for field work, EBS notified the Underground Service Alert (USA). USA issued ticket number 698190 for the fieldwork and notified Cox Cable, Helix Water District, Pacific Bell, San Diego Gas and Electric, the City of San Diego Water District, the County of San Diego Water Authority, and the City of La Mesa. In addition, EBS used the services of a private underground utility search company to attempt to locate subsurface utilities and improvements at the site to minimize the likelihood of drilling into an underground utility.

Field Activities

TECH. USED TO AVOID AERATION OF SAMPLES—?

On February 10 and 11, 1994, eleven soil borings (B-1, B-1A, B-2, B-3, B-4, B-4A, B-5, B-6, MW-1, MW-2, and MW-3) were drilled, logged, and sampled to depths of between 15 and 20 feet below grade at the site. Groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed in three of the soil borings. Because of the anticipated difficulty in drilling conditions, a Canterra 450 High Torque drill rig was used. Initially, the soil borings were drilled using hollow-stem augers. However, because of refusal encountered at approximately 10 feet below grade, the drill rig was converted to air percussion to continue the drilling operation. It should be noted that soil borings B-2 and B-3 were drilled using a Simco 2000 drill rig. This drill rig was used because of limited access in these two locations.

When possible, soil samples were collected at five-foot intervals using a split-spoon sampler. Due to difficult drilling and sampling conditions, it was not possible to continuously core the first soil boring drilled as originally planned. Additionally, due to difficult drilling and sampling conditions, no sample recoveries were obtained from the soil boring in which well MW-2 was installed. The soil samples were used for description and for laboratory testing. Soil samples were logged by a California certified engineering geologist who described samples in general accordance with the Unified Soil Classification System. Soil boring and well logs are attached in the Appendix. Samples for laboratory testing were tightly packed into laboratory supplied glass jars, sealed, labeled, double bagged and placed in an ice-filled cooler or stored in the refrigerator of an on-site mobile laboratory provided by Transglobal Environmental Geochemistry (TEG). Chain-of-Custody procedures were implemented for sample tracking.

Soil borings were backfilled using appropriate grout. As stipulated by San Diego County guidelines, a steam cleaner was on site to steam clean the augers between soil borings to minimize the likelihood of "cross-contaminating" a given boring and to minimize the potential for a "false-positive" in the soil samples analyzed.

Sampling equipment was cleaned using a four bucket wash; a tri sodium phosphate (TSP) water cleaner, two tap water rinses, and a final spray rinse with deionized water. Decontamination water from the steam cleaning and sampling wash was placed in drums, labeled, and left on site. Soil cuttings were placed in DOT rated 55-gallon drums, labeled, and left on site.

Three wells (MW-1, MW-2, and MW-3) were installed using four-inch diameter screen and casing. It was originally planned to install the wells to a depth of approximately 20 feet below grade. After the drilling of the soil borings in which wells MW-1 and MW-2 were to be installed, the lower five feet of each of the boreholes (approximately 15 to 20 feet below grade) collapsed, and sealed off the lower five feet of the soil boring. Therefore, wells MW-1 and MW-2 were installed to a depth of approximately 15 feet below grade. It should be noted that a distinctive cemented gravel layer was encountered in wells MW-1 and MW-2 at a depth of approximately 15 feet below grade. This same layer was encountered during the drilling of the soil boring in which well MW-3 was installed. In this boring, the cemented gravel layer was encountered at a depth of approximately eight feet below grade. Well MW-3 was terminated at a depth of approximately 15 feet below grade. Well construction diagrams are presented on the attached logs.

After the sand pack was placed and before bentonite was poured, the wells were developed using a surge block. Development water was removed from the casing using a bailer and poured into drums, labeled, and left on site. After the development was completed additional sand was placed, as needed, and the bentonite seal installed.

On February 17, 1994, the three wells were monitored, purged, and sampled. The wells were monitored using an electronic interface probe, which is capable of detecting both water and product. In addition, a bailer was lowered into each well to visually assess the presence of free product. Free product was not observed or detected. The wells were purged using a hand bailer. All downhole sampling and monitoring equipment was cleaned using a four bucket wash; a TSP-water cleaner, two tap rinses, and a final spray rinse with deionized water. Decontamination water was placed in drums, labeled, and left on site. Three borehole volumes of water were removed and placed in a drum, labeled, and left on site. After the water levels in the wells recharged to at least 80 percent of the pre-purging level, a water sample was collected using a disposable bailer. The water samples were decanted into laboratory-supplied containers, capped, labeled and placed in an ice-filled cooler. Chain-of-custody procedures were implemented for sample tracking. The samples were delivered to TEG and Analytical Technologies, Inc. (ATI) for analysis.

On February 26, 1994, Hopwood Surveying, a licensed land surveyor, established relative elevations for the top of the casing (TOC) for each well and also established the horizontal location of each well and soil boring.

Laboratory Analysis

All soil samples were tested for TPH as gasoline and diesel in general accordance with modified EPA Method 8015 (California DOHS Method) and TRPH in general accordance with EPA Method 418.1. The soil sample with the highest reported TRPH concentration (sample B1-10') was also tested for volatile halogenated and aromatic hydrocarbons in general accordance with EPA Method 8010/8020, organic lead in general accordance with EPA Method 6010, and organochlorine pesticides and PCBs in general accordance with EPA Method 8080. Soil sample laboratory test results are attached in the Appendix.

All groundwater samples were tested for TPH as gasoline and diesel in general accordance with modified EPA Method 8015 (California DOHS Method), and benzene, toluene, ethylbenzene, and xylenes (BTEX) in general accordance with EPA Method 8020. The groundwater sample collected from well MW-2 was also tested for total lead in general accordance with EPA Method 7421. Laboratory test results are attached in the appendix.

FINDINGS

Site Geology and Hydrogeology

As mapped by Kennedy (1975, Geology of the San Diego Metropolitan Area, California: C.D.M.G. Bull. 200), the site is interpreted to be underlain by the Eocene Stadium Conglomerate. Geologic materials encountered during our assessment include fill soils, topsoil, and Alluvium. A brief description of these units is presented below:

- Fill

  Fill soil was encountered in all the soil borings. These deposits generally consisted of dark gray brown gravelly silty sand (SM), black silty gravelly sand (SW), and yellow brown clayey sand (SC). Fill soil was observed to extend to a maximum depth of approximately eight feet below grade.

- Topsoil

  Topsoil was encountered in soil borings and wells B-1, B-3, B-4, B-5, MW-1, and MW-2. Topsoil generally consisted of a dark brown silty sand/sandy silt (SM/ML). Topsoil was encountered to a maximum depth of approximately 12 feet below grade.

- Alluvium

  Alluvium was encountered in all soil borings and wells. These deposits generally consisted of red brown gravel/silty gravel (GW/GM), yellow brown gravelly clayey sand (SC) and a distinctive and cemented yellow brown gravelly clayey sand (SC). It should be noted that the cemented layer was encountered in all soil borings and wells, and appeared to be dipping towards the west.

As interpreted from maps prepared by the Regional Water Quality Control Board, San Diego Region (RWQCB) Comprehensive Water Quality Control Plan Report, dated 1979, the site is located within the Chollas Hydrologic Subarea (8.22) of the San Diego Mesa Hydrologic Area (8.20) of the Pueblo San Diego Hydrologic Unit (8.00). As stated in the RWQCB Resolution No. 91-79, this basin does not have any existing or potential municipal and industrial beneficial uses of groundwater. It should be noted that the site is located near the northern boundary of the Chollas Hydrologic Subarea, and that the basin interpreted to be to the north (Mission San Diego Hydrologic Subarea) has potential beneficial municipal groundwater uses.

✓ w/ JRO

As shown on Table 3, the shallow groundwater beneath the site is generally encountered at a depth of approximately four and one half to nine feet below grade. The shallow groundwater is interpreted to generally flow towards the west (Figure 3) at a gradient of approximately 0.08 (eight feet of elevation difference for every 100 feet of horizontal distance). It should be noted that the interpreted flow direction is away from the Mission San Diego Hydrologic Subarea. - PARALLEL -

The shallow groundwater at the site is interpreted to be a perched water table. As previously stated, there was a cemented zone that was encountered during the drilling activities. It is our professional opinion that this cemented zone is a confining layer on which the shallow groundwater is perched. Figure 4 is an interpretation of the groundwater conditions at the site.

maybe..

Soil Sample Analytical Results

Total Petroleum Hydrocarbons as Gasoline and Diesel

Thirty soil samples were tested for TPH as gasoline (TPH_g) and diesel (TPH_d) in general accordance with modified EPA Method 8015. As shown on Table 4, and Figures 5, 6, 7, 8, and 9, soil samples with reported concentrations of TPH_g and TPH_d were only collected from soil borings B-1, B-4 and well MW-1.

Soil boring B-1 is located 15 feet southwest of the former gasoline UST. Soil samples collected from soil boring B-1 had reported TPH_g concentrations ranging from 66 to 174 milligrams/kiliograms (mg/kg), and TPH_d concentrations ranging from 131 to 271 mg/kg. It should be noted that the soil sample collected from a depth of approximately 15 feet below grade was reported to have no detectable concentrations of TPH_g and TPH_d.

Soil boring B-4 is located in the reported location of former gasoline UST. Soil samples collected from soil boring B-4 had reported TPH_g concentrations ranging from 14 to 82 mg/kg. It should be noted that the soil samples collected from below a depth of approximately 15 feet below grade were reported to have no detectable concentrations of TPH_g. Only one soil sample collected from soil boring B-4 was reported to have detectable TPH_d concentrations. The soil sample collected at a depth of approximately eight feet below grade was reported to have a TPH_d concentration of 87 mg/kg.

Well MW-1 is located approximately 15 feet west of the former gasoline UST. Only two soil samples collected from well MW-1 were reported to have a detectable TPH_g concentration. The soil samples collected from depths of approximately eight and ten feet below grade had reported TPH_g concentrations of 17 and 36 mg/kg, respectively. Only two soil samples collected from well MW-1were reported to have detectable TPH_d concentrations. The soil samples collected at depths of approximately eight and ten feet below grade were reported to have TPH_d concentrations of 14 and 29 mg/kg, respectively.

Total Recoverable Petroleum Hydrocarbons

Thirty soil samples were tested for TRPH in general accordance with EPA Method 418.1. As shown on Table 4, and Figures 5, 6, 7, 8, and 9, soil samples collected from all soil borings and wells, with the exception of soil boring B-5, had reported TRPH concentrations. Reported TRPH concentrations ranged from 11 to 9,140 mg/kg. It should be noted that the samples with the highest reported TRPH concentrations were collected from soil boring B-1, located to the west, in the interpreted downgradient direction of the former used and new oil USTs. It should also be noted that the soil samples collected from well MW-3, located to the east, upgradient of the former used and new oil USTs had reported TRPH concentrations of less than 100 mg/kg.

Benzene, Toluene, Ethylbenzene, and Xylenes

The soil sample with the highest reported TPH_g and TRPH concentrations (soil sample B1-10') was also tested for BTEX in general accordance with EPA Method 8020. It should be noted that this soil sample was collected near the field interpreted water table. As shown on the attached laboratory test report, this soil sample was reported to have no detectable BTEX concentrations.

Aromatic Hydrocarbons

Soil sample B1-10' was also tested for aromatic hydrocarbons in general accordance with EPA Method 8010. As shown on the attached laboratory test report, this soil sample was reported to have no detectable concentrations of aromatic hydrocarbons.

PCBs and Organochlorine Pesticides

Soil sample B1-10' was also tested for PCBs and organochlorine pesticides in general accordance with EPA Method 8080. As shown on the attached laboratory test report, this soil sample was reported to have no detectable concentrations of PCBs or organochlorine pesticides.

Organic Lead

Soil sample B1-10' was also tested for organic lead in general accordance with EPA Method 6010. As shown on the attached laboratory test report, this soil sample was reported to have an organic lead concentration of 1.5 mg/kg.

Groundwater Sample Test Results

Total Petroleum Hydrocarbons as Gasoline and Diesel

Groundwater samples were tested for TPH_g and TPH_d in general accordance with modified EPA Method 8015. As shown on Table 5, all three water samples were reported to have no detectable concentrations of TPH_g and TPH_d.

Benzene, Toluene, Ethylbenzene, and Xylenes

Each groundwater sample was tested for BTEX in general accordance with EPA Method 8020. As shown on Table 5, all three water samples were reported to have no detectable BTEX concentrations.

Total Lead

The groundwater sample collected from well MW-2 was tested for total lead by ATI in general accordance with EPA Method 7421. As shown on the attached laboratory test report, the sample collected from well MW-2 had a reported total lead concentration of 0.002 mg/l.

DISCUSSION

Assessment of the Vertical and Horizontal Extent of Petroleum-Hydrocarbon-Bearing Soil

Gasoline and Diesel-Bearing Soil

As shown on Figures 5, 6, 7, 8, and 9, the extent of gasoline and diesel-bearing soil has been interpreted to be limited to the immediate vicinity of the former gasoline UST pit. The basis for this interpretation is presented below:

- The northern extent of gasoline and diesel-bearing soil is estimated using the laboratory test results from soil samples GES-3, GES-4, and GES-2. As shown on Figure 5 and on Table 4, these soil samples were collected from approximately five to eight feet below grade and were reported to have no detectable TPH_g and TPH_d concentrations.

- The eastern extent of gasoline and diesel-bearing soil is estimated using the laboratory test results from soil samples GES-5, GES-7 and the soil samples collected from soil boring B-3. As shown on Figure 5 and on Table 4, with the exception of soil sample GES-7, all these soil

samples were reported to have no detectable concentrations of TPH. Soil sample GES-7 was reported to have a TPH_g concentration of 27 mg/kg.

Review of laboratory test results and observations made during the drilling activities indicate that the released fuel travelled along the top of the cemented layer which appears to dip towards the west. Therefore, this augments our professional opinion that the eastern extent of fuel-bearing soil is limited.

- The southern extent of gasoline and diesel-bearing soil is estimated using the laboratory test results from soil boring B-5. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring B-5 were reported to have no detectable concentrations of TPH.

  It should be noted that soil boring B-5 was drilled south of the excavation, approximately 35 feet south of the former gasoline UST. It is our professional opinion that the southern extent of fuel-bearing soil is to the north of soil boring B-5.

- The western extent of gasoline-bearing soil can be estimated using the laboratory test results from soil boring B-6 and well MW-1. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring B-6, located in an interpreted downgradient location from the former USTs, were reported to have no detectable concentrations of TPH_g and TPH_d. As shown on Figure 5 and on Table 4, only three soil samples collected from well MW-1, located in an interpreted downgradient location from the former USTs were reported to have detectable concentrations of TPH_g and TPH_d, and these three soil samples were reported to have TPH_g and TPH_d concentrations of less than 29 mg/kg.

  It should be noted that soil boring B-6 was drilled approximately 50 feet to the west of the former gasoline UST. It is our professional opinion that the western extent of fuel-bearing soil is well to the east of soil boring B-6.

The vertical extent of gasoline and diesel-bearing soil is interpreted to extend to a maximum depth of approximately 15 feet below grade. As shown on Figures 5, 6, 7, 8, and 9, and on Table 4, it is our professional opinion that the cemented layer has limited the vertical migration of gasoline and diesel fuel into the subsurface.

TRPH-Bearing Soil

- The southern extent of TRPH-bearing soil (soil with TRPH concentrations greater than 1,000 mg/kg) is estimated using the laboratory test results from soil boring B-5. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring B-5 were reported to have no detectable concentrations of TRPH.

  It should be noted that soil boring B-5 was drilled south of the excavation, approximately 10 feet south of the former oil USTs. It is our professional opinion that the southern extent of TRPH-bearing soil is to the north of soil boring B-5.

- The eastern extent of TRPH-bearing soil is estimated using the laboratory test results from well MW-3. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring MW-3 were reported to have TRPH concentrations of less than 100 mg/kg.

- The western extent of gasoline-bearing soil can be estimated using the laboratory test results

from soil boring B-6. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring B-6, located in an interpreted downgradient location from the former USTs were reported to have TRPH concentrations of less than 100 mg/kg.

It should be noted that soil boring B-6 was drilled approximately 50 feet to the west of the former oil USTs. It is our professional opinion that the western extent of TRPH-bearing soil is well to the east of soil boring B-6.

Assessment of Groundwater Quality at the Site

Three wells have been installed and sampled at the site. Groundwater monitoring wells MW-1 and MW-2 are located adjacent to, and in the interpreted downgradient direction from the former gasoline and oil USTs. Well MW-3 is located adjacent to, and upgradient from the former gasoline and oil USTs. As shown on Table 5, all of the groundwater samples were reported to have no detectable TPH_g, TPH_d, and BTEX concentrations.

Because groundwater samples collected from the downgradient wells were reported to have no detectable BTEX concentrations, it is our professional opinion that there is a low likelihood that the shallow groundwater at the site has been impacted by petroleum-hydrocarbons.

Based on a review of the laboratory test results of the collected groundwater samples, and the observed westerly shallow groundwater flow direction, it is our professional opinion that there is a low likelihood that the shallow groundwater at the site is a source of groundwater degradation to the Mission San Diego Hydrologic Subarea. As stated previously, the Mission San Diego Hydrologic Subarea is interpreted to be located up and crossgradient from the site.

CONCLUSIONS

Based on the data reviewed and obtained as part of this assessment, current regulatory guidelines, and our experience, in our professional judgement we have made the following conclusions:

- The horizontal extent of gasoline and diesel-bearing soil is generally limited to the immediate vicinity of the former UST excavation at the site. Gasoline and diesel-bearing soil extends to a maximum depth of approximately 15 feet below grade.

- The horizontal extent of TRPH-bearing soil (soil with TRPH concentrations greater than 1,000 mg/kg) has generally been assessed. Using available data, the western, southern, and eastern limits of TRPH-bearing soil have been inferred. The maximum extent of TRPH-bearing soil has been inferred to extend approximately 30 feet in the interpreted downgradient direction from the former oil USTs.

- Shallow groundwater at the site is interpreted to exist as a perched groundwater table. Groundwater generally occurs at a depth of approximately five to eight feet below grade. Locally, groundwater generally flows towards the west at a gradient of 0.08.

- Groundwater samples collected from wells at the site indicate that there is a low likelihood that groundwater at the site has been impacted with petroleum-hydrocarbons.

RECOMMENDATION

- This report should be sent to the SAM and RWQCB for review. Upon SAM and RWQCB review of this report, we recommend that you request a meeting with representatives of the SAM and RWQCB to discuss establishing site action levels for TRPH and TPH in soil.

It has been a pleasure working with you on this project. If we may provide any further assistance, please do not hesitate to contact us.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG 1364
Principal

Daniel E. Johnson
Principal

Enclosures
BSP9/93E11631.rpt

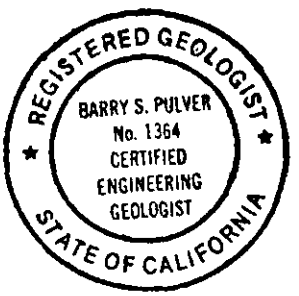


TABLE 1

SOIL SAMPLE TEST RESULTS - GASOLINE UST EXCAVATION

SAMPLES COLLECTED BY HALLIBURTON NUS ENVIRONMENTAL CORP. IN MARCH 1992

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
NORTH WALL	GES-2	8	---	<10	<10
	GES-3	8	---	<10	<10
	GES-4	5	---	<10	<10
EAST WALL	GES-5	8	---	<10	<10
	GES-6	9	27,000	920	<10
	GES-7	5.5	---	27	<10
SOUTHERN EDGE	GES-8	8.5	---	470	<10
	GES-9	8.5	---	590	170
	GES-10	6.5	---	<10	<10
WEST WALL	GES-11	8.5	3,300	980	<10
	GES-12	8.5	450	140	<10
	GES-13	6.5	---	<10	<10
BOTTOM	GES-1	8	---	280	130

Notes:

1. Samples tested by Mobile One laboratories, Inc. for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, and total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

2. --- = Not tested

TABLE 2

SOIL SAMPLE TEST RESULTS - OIL UST EXCAVATION

SAMPLES COLLECTED BY HALLIBURTON NUS ENVIRONMENTAL CORP. IN MARCH 1992

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)
NORTH WALL	OES-1	8.5	<10
	OES-5	5	15
	OES-10	7.5	15,600
	OES-14	8	8,000
	OES-15	7	7,700
	OES-16	6	8,200
EAST WALL	OES-2	12	<10
	OES-7	6	<10
SOUTH WALL	OES-3	12	<10
	OES-9	6	260
	OES-4	12	<10
	OES-8	5.5	<10
WEST WALL	OES-11	8	16,000
	OES-12	6	18,000
	OES-13	6	23,000

Notes:

1. Samples tested by Mobile One laboratories, Inc. for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1.

TABLE 3

GROUNDWATER MONITORING RESULTS

WELLS MONITORED BY EBS ON FEBRUARY 17, 1994

WELL NUMBER	DEPTH TO WATER	DEPTH TO PRODUCT	TOC-ELEV	ELEV-GW
MW-1	8.01	***	97.93	89.92
MW-2	8.71	***	98.53	89.82
MW-3	4.65	***	98.89	94.24

Notes:

1. All measurements in feet.
2. TOC-ELEV = Relative elevation of the top of casing in feet. TOC-ELEV from survey performed by Hopwood Surveying on February 26. 1994.
3. ELEV-GW = Relative elevation of groundwater as measured in well in feet.
4. *** = Product not encountered in well.

TABLE 4

SOIL SAMPLE TEST RESULTS

SOIL SAMPLES COLLECTED BY EBS ON FEBRUARY 10 AND 11, 1994

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
SOIL BORING B-1	B1-5'	5	31	<10	<10
	B1-8'	8	8,430	66	131
	B1-10'	10	9,140	174	271
	B1-12'	12	6,680	77	131
	B1A-15'	15	433	<10	<10
SOIL BORING B-2	B2-5'	5	19	<10	<10
	B2-8'	8	35	<10	<10
SOIL BORING B-3	B3-5'	5	<10	<10	<10
	B3-8'	8	<10	<10	<10
	B3-10'	10	904	<10	<10
	B3-15'	15	17	<10	<10
SOIL BORING B-4	B4-5'	5	<10	<10	<10
	B4-8'	8	3,750	82	87
	B4-10'	10	366	<10	<10
	B4-11'	11	956	14	<10
	B4A-15'	15	187	<10	<10
	B4A-20'	20	27	<10	<10
SOIL BORING B-5	B5-5'	5	<10	<10	<10
	B5-10'	10	<10	<10	<10
SOIL BORING B-6	B6-5'	5	96	<10	<10
	B6-8'	8	97	<10	<10

Notes:

1. Soil samples collected by EBS on February 10 and 11, 1994, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

TABLE 4 (CONTINUED)

SOIL SAMPLE TEST RESULTS

SOIL SAMPLES COLLECTED BY EBS ON FEBRUARY 10 AND 11, 1994

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
WELL MW-1	MW1-5'	5	<10	<10	<10
	MW1-8'	8	761	17	14
	MW1-10'	10	962	<10	29
	MW1-15'	15	206	<10	<10
	MW1-20'	20	59	<10	<10
WELL MW-3	MW3-5'	5	52	<10	<10
	MW3-8'	8	27	<10	<10
	MW3-10'	10	11	<10	<10
	MW3-15'	15	83	<10	<10

Notes:

1. Soil samples collected by EBS on February 10 and 11, 1994, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

TABLE 5

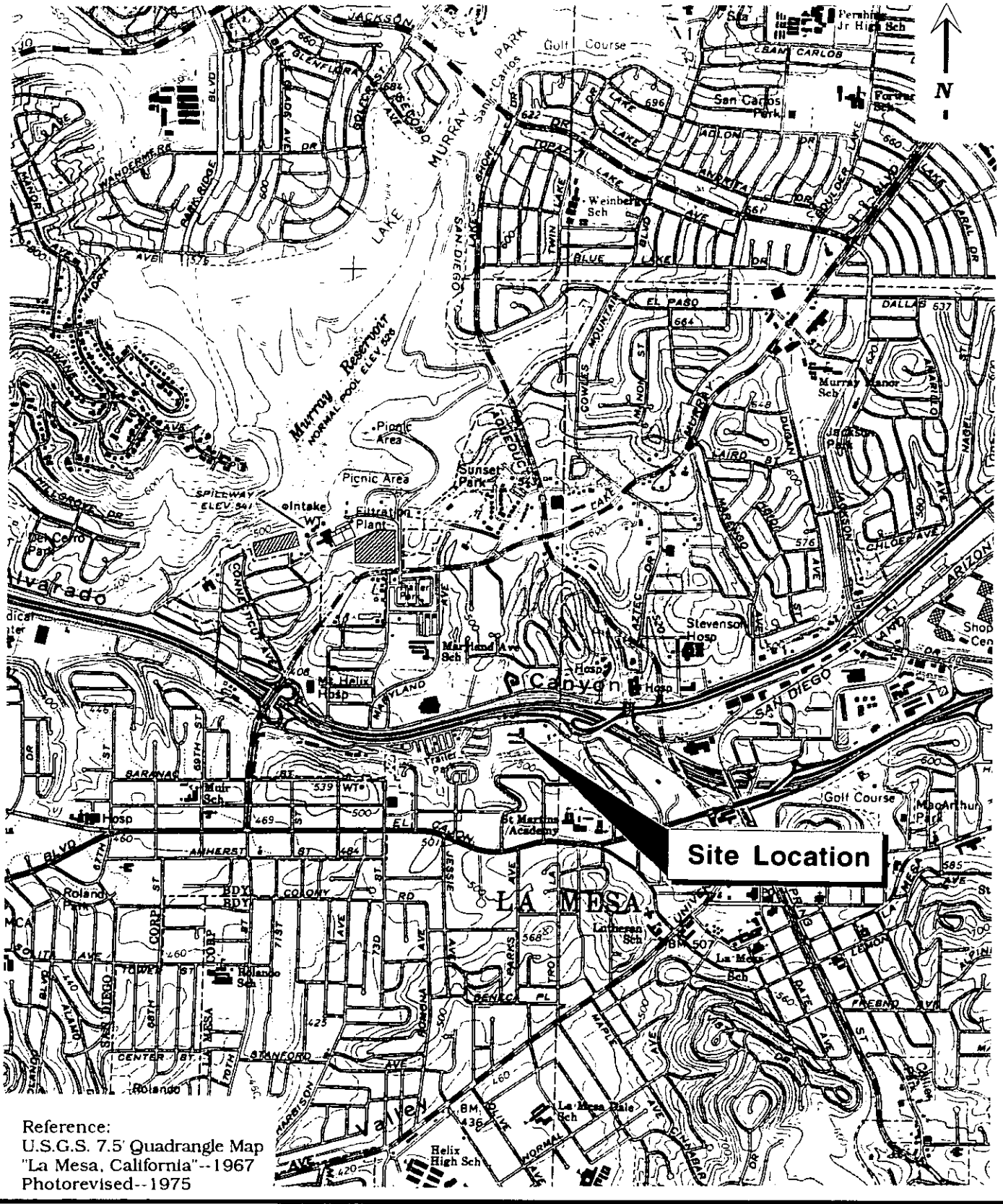
GROUNDWATER SAMPLE TEST RESULTS
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND DIESEL
AND BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES

SAMPLES COLLECTED BY EBS ON FEBRUARY 17, 1994

WELL NUMBER	TPH_g (µg/l)	TPH_d (µg/l)	BENZENE (µg/l)	TOLUENE (µg/l)	ETHYL-BENZENE (µg/l)	XYLENES (µg/l)
MW-1	<500	<500	<0.5	<0.5	<0.5	<0.5
MW-2	<500	<500	<0.5	<0.5	<0.5	<0.5
MW-3	<500	<500	<0.5	<0.5	<0.5	<0.5

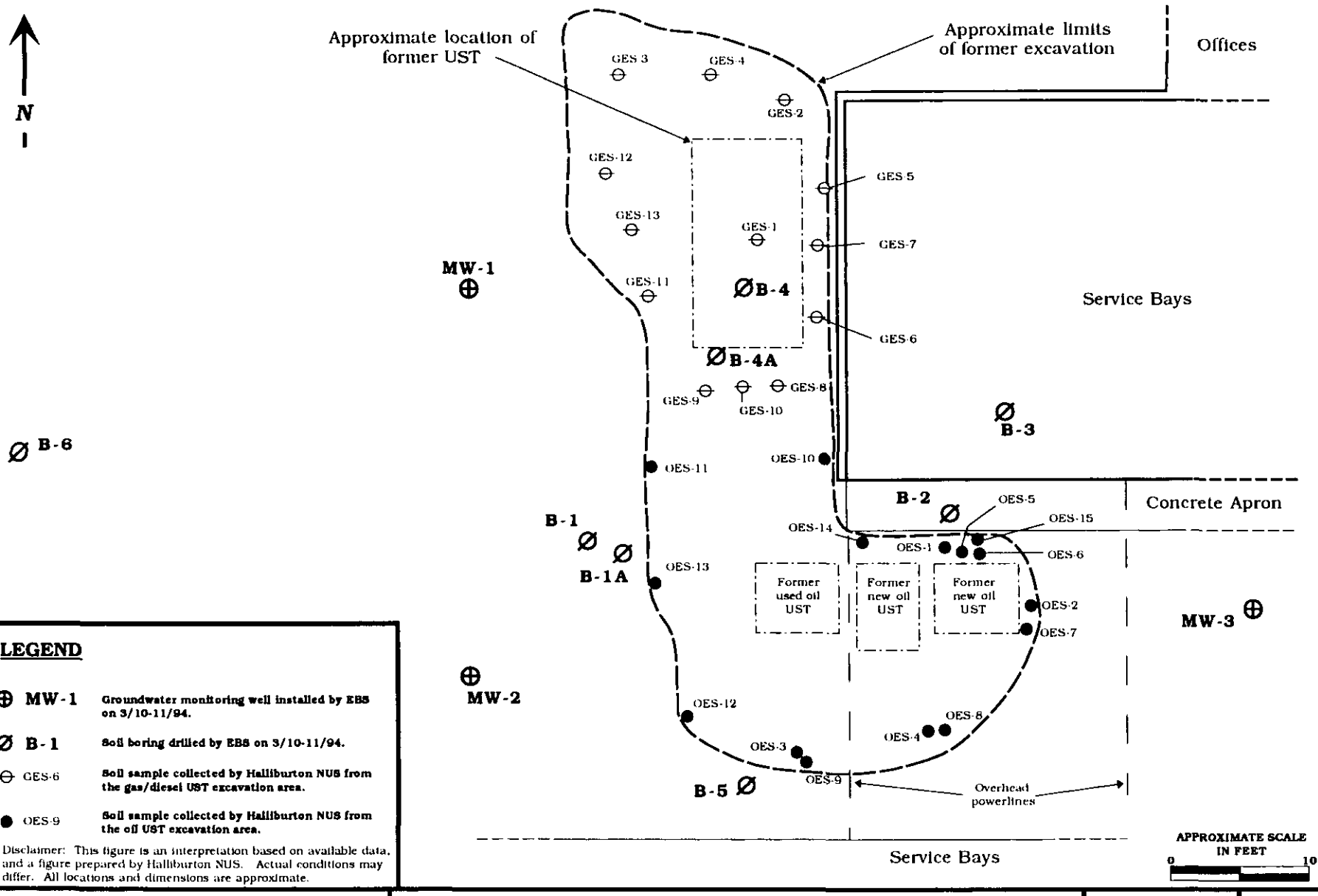
Notes:

1. Samples tested by Transglobal Environmental Geochemistry, Inc. for total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015, and for benzene, toluene, ethylbenzene, and xylenes in general accordance with EPA Method 8020.



Reference:
U.S.G.S. 7.5' Quadrangle Map
"La Mesa, California"--1967
Photorevised--1975

Environmental Business Solutions, Inc.	**Site Location Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.1** **Figure 1**



LEGEND

⊕ MW-1	Groundwater monitoring well installed by EBS on 3/10-11/94.
Ø B-1	Soil boring drilled by EBS on 3/10-11/94.
⊖ GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
● OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

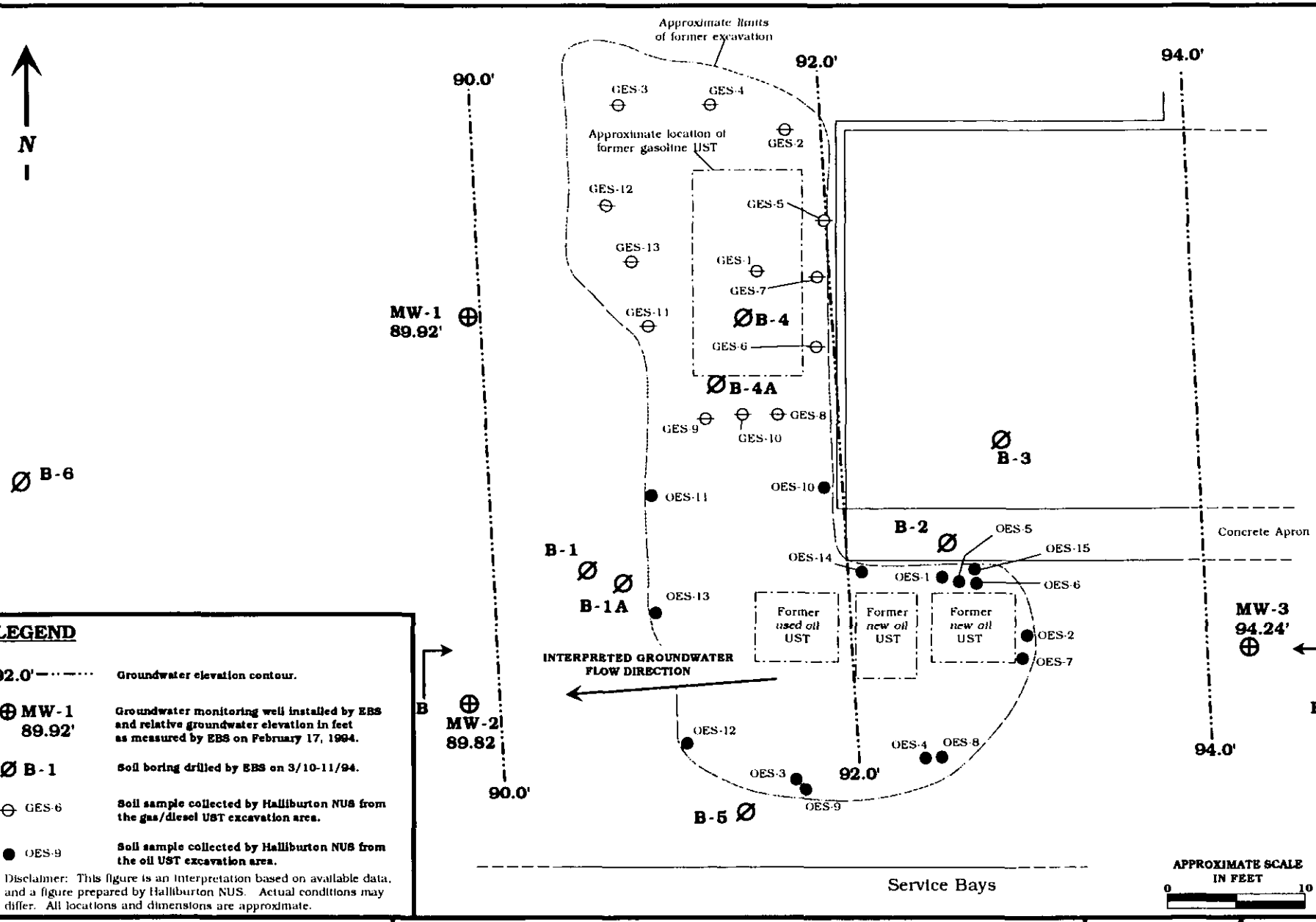
Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.

Site Plan

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.	Figure
93E1163.1	2



LEGEND

92.0'	Groundwater elevation contour.
⊕ MW-1 89.92'	Groundwater monitoring well installed by EBS and relative groundwater elevation in feet as measured by EBS on February 17, 1994.
Ø B-1	Soil boring drilled by EBS on 3/10-11/94.
⊖ GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
● OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

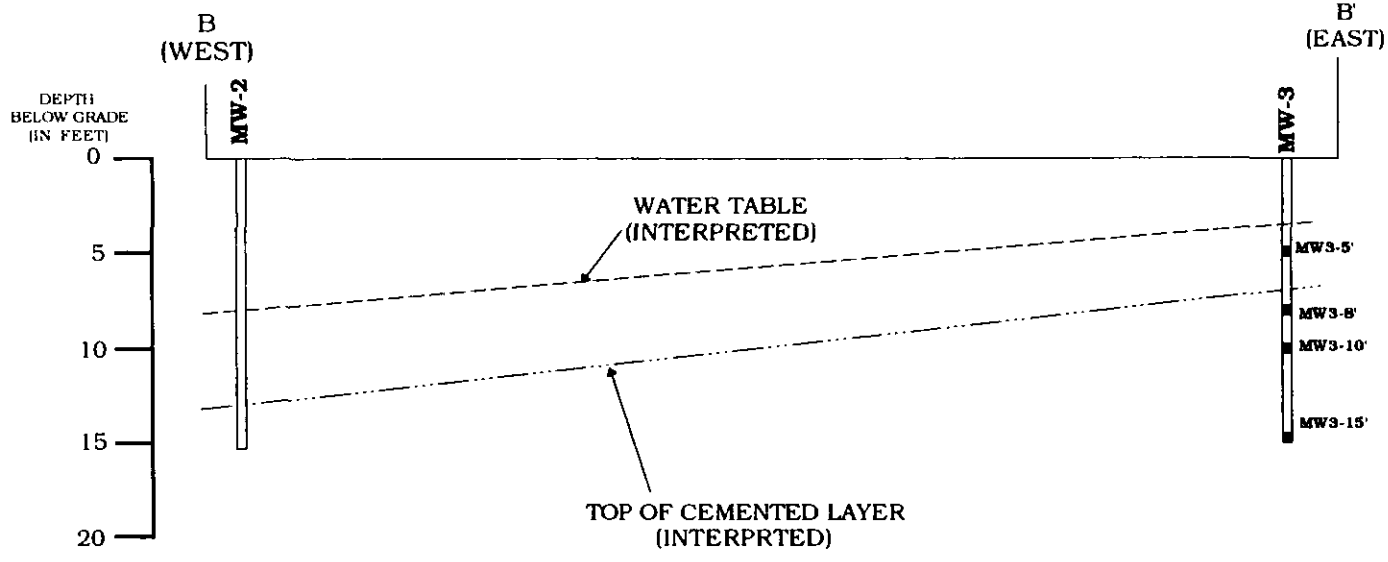
Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.

Groundwater Gradient Map

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.	Figure
93E1163.1	3



LEGEND

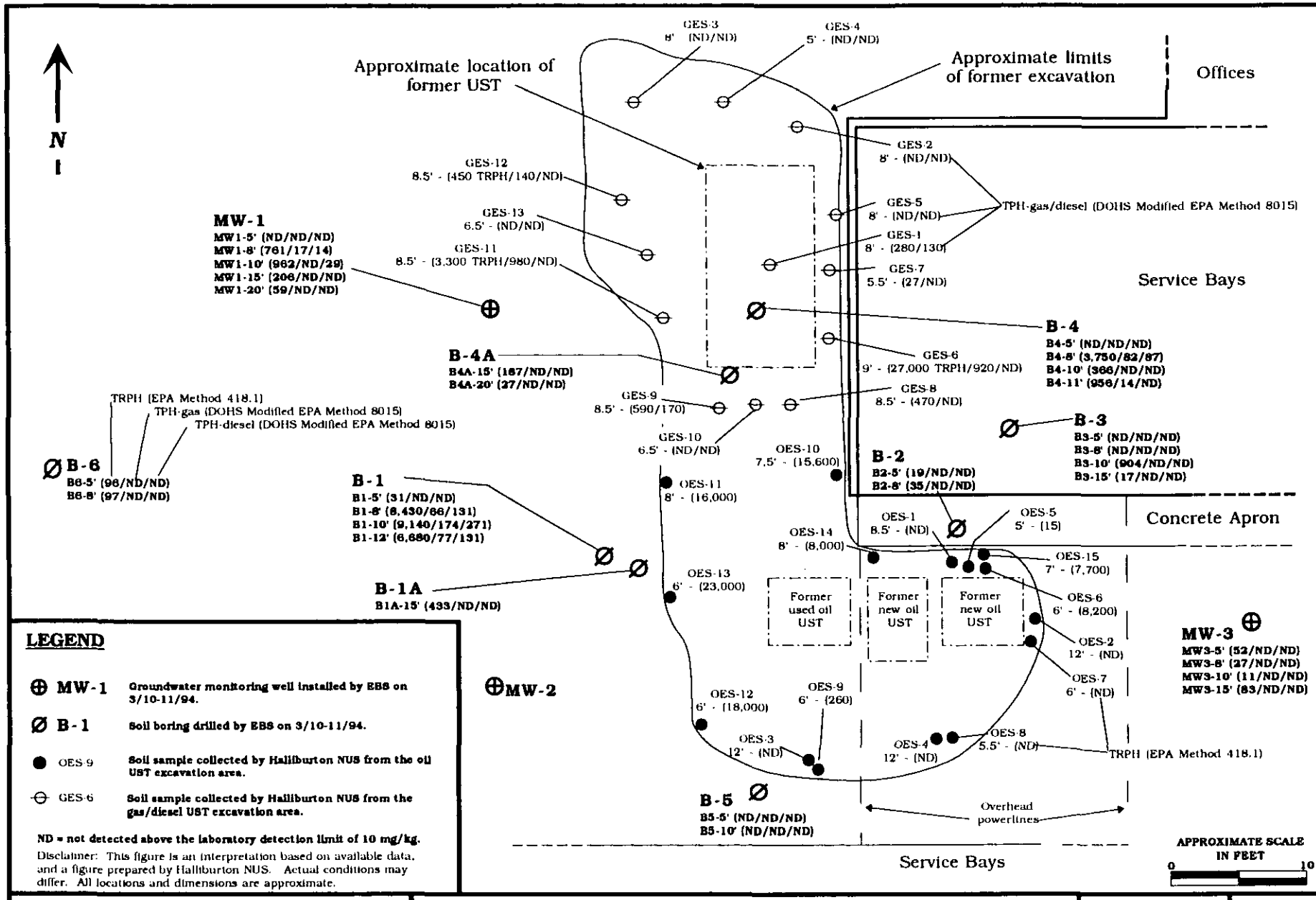
■ MW1-8' Soil sample collected by EBS during drilling of monitoring well/soil boring

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Schematic Representation of Groundwater and Cemented Layer** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 4



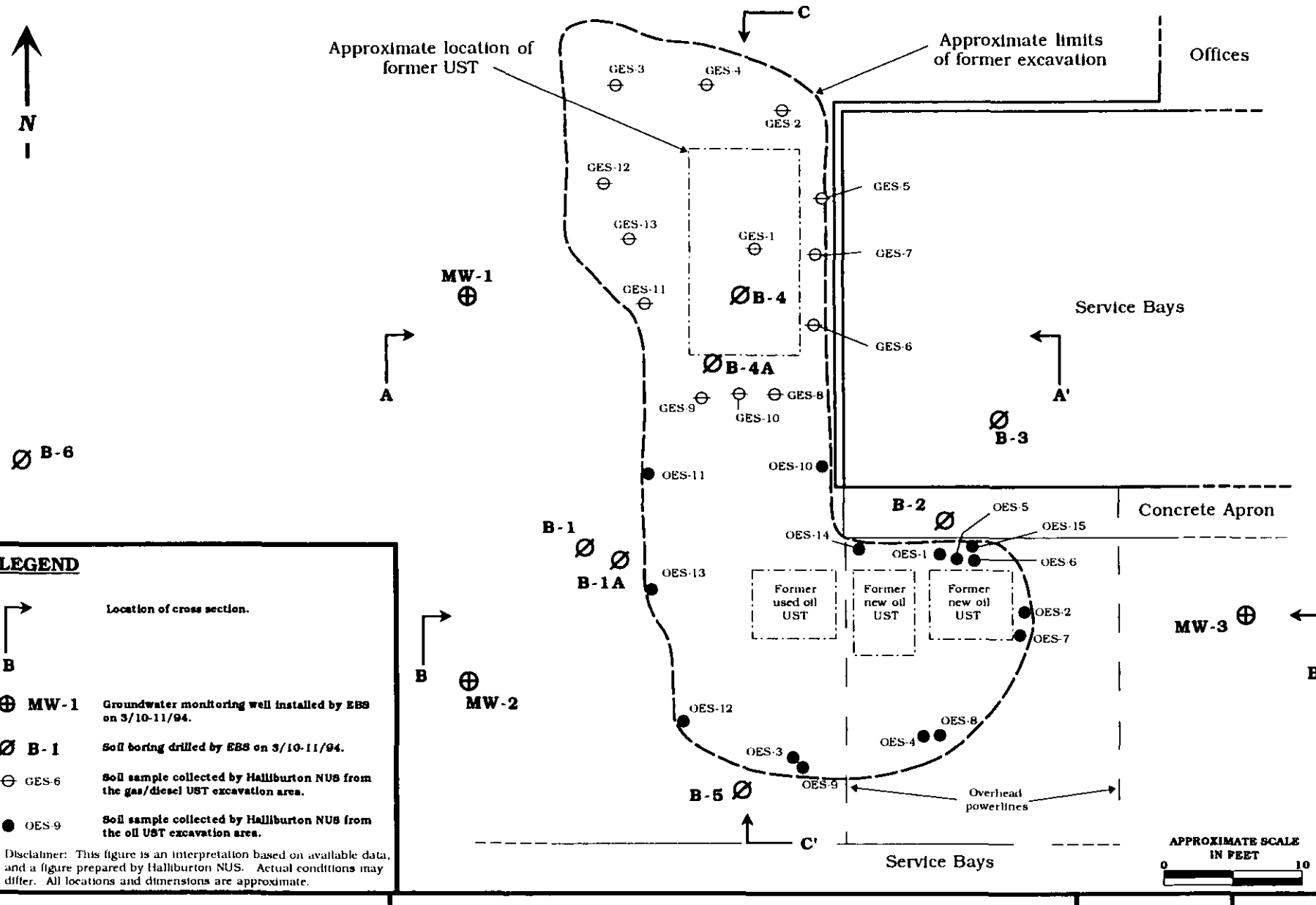
LEGEND

- ⊕ MW-1 — Groundwater monitoring well installed by EBS on 3/10-11/94.
- Ø B-1 — Soil boring drilled by EBS on 3/10-11/94.
- ● OES-9 — Soil sample collected by Halliburton NUS from the oil UST excavation area.
- ⊖ GES-6 — Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.

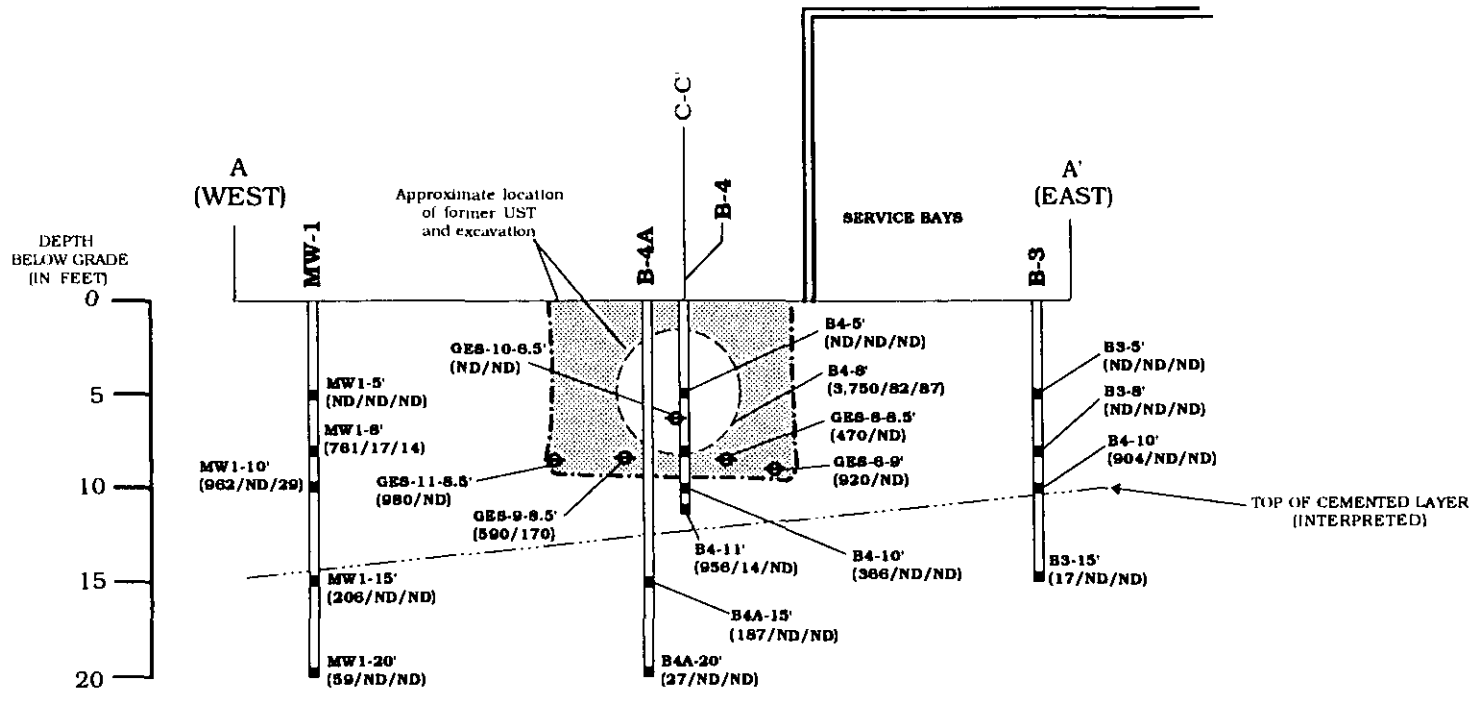
ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Soil Sample Test Results** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 5



Environmental Business Solutions, Inc.	**Site Plan with Cross Section Locations** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 6



LEGEND

MW1-8' (761/17/14) — Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

GES-6-9' (920/ND) — Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

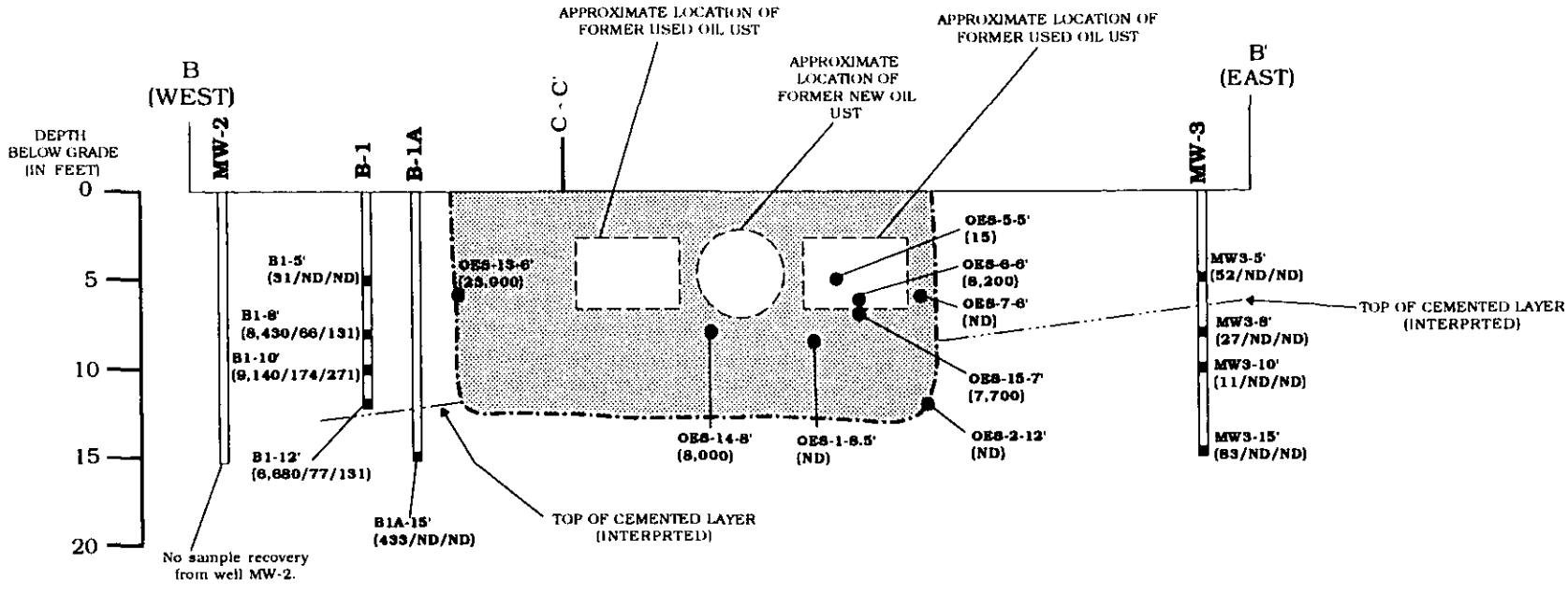
APPROXIMATE SCALE IN FEET

0 10 20

Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Cross Section A - A'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.1**	**Figure** **7**



LEGEND

■ **MW1-8' (761/17/14)** — Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

⊖ **GES-6 (920/ND)** — Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

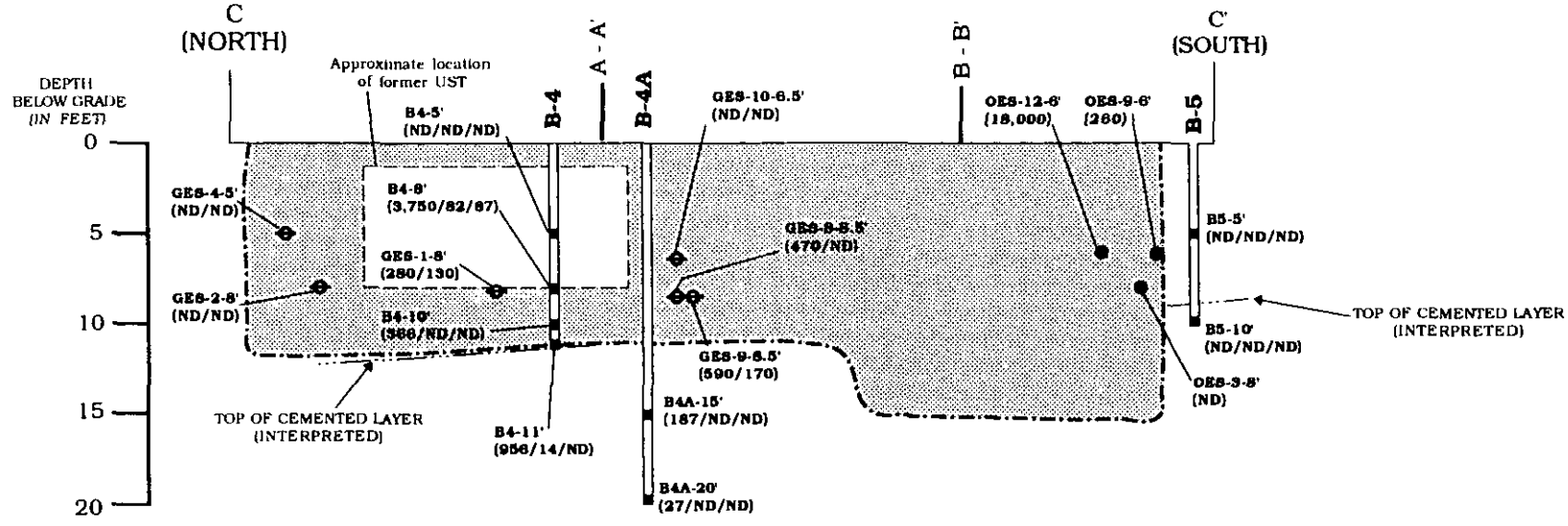
APPROXIMATE SCALE IN FEET

0 10 20

Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Cross Section B - B'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.1**	**Figure** **8**



LEGEND

■ MW1-8' (761/17/14)	Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.
⊖ GES-6 (920/ND)	Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.
● OES-9 6' - (260)	Soil sample collected by Halliburton NUS during UST removal from the oil UST excavation area. Indicatesd sample number, depth in feet below grade and TRPH concentration in ppm. ND = not detected above laboratory detection limits.

Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Cross Section C - C'** **La Mesa R.V. Center** 7601 Alvarado Road *La Mesa, California*	**Project No.** 93E1163.1	**Figure** 9

WORKPLAN APPROVAL LETTER

RECEIVED
DEC 17 1993
Environmental Business Solutions Inc

ROBERT K. ROSS, M.D.
DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

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SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
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December 9, 1993

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

The staff of the Site Assessment and Mitigation Division (SAM) have reviewed this case. This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the workplan dated November 24, 1993.

The workplan prepared by Dan Johnson/Environmental Business Solutions (EBS) covers one of the following phases of corrective action:

Interim Remedial Action	( )
Preliminary Site Assessment	(X)
Soil and Water Investigation	( )
Corrective Action Plan Implementation	( )
Verification Monitoring	( )

The workplan proposing to continue the soil and ground water investigation has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(X) approved with the following changes or conditions:

- The soil sample with the highest result for total petroleum hydrocarbons (TPH) must also be analyzed for volatiles by method 8020, and organic lead.

  The final report must include cross-sections of the soil contamination that depict the delineation achieved.

- The location proposed for MW-3 may not allow for accurate calculation of the ground water flow direction, based on the locations of wells MW-1 and 2 and the suspected local gradient to the north/northwest. It is recommended that well MW-3 be relocated to the east of sample points OES-15 and OES-6, approximately ten feet east of the edge of the previous excavation. This will also allow for lateral delineation of soil contamination in this area.

  However, there is still a requirement for lateral delineation of soil contamination in the vicinity of the previous location proposed for MW-3, i.e., to the south of OES-9 and OES-12. It is recommended that a soil boring, rather than a well, be placed at this location, in order to define the horizontal limits of soil contamination in this direction.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Chapter 6.75, Article 6).

Please submit a report describing the results of the activities described in the workplan to SAM and the Regional Water Quality Control Board (RWQCB) by January 30, 1994.

Please call me at (619) 338-2396, if you have any questions.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

LS:gl

cc: Vincente Rodríguez, RWQCB
Dan Johnson, EBS
Stephen Marsh, Luce, Forward, Hamilton, & Scripps

SOIL BORING AND WELL LOGS

Major Soil Divisions			Group Symbol	Descriptions
Coarse Grained Soils (>50 % of material is larger than No. 200 sieve.)	GRAVELS (% gravel > % sand.)	Clean Gravels (<5 % fines)	GW	Well graded gravels, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		Gravel With Fines (>15 % fines)	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS (% sand ≥ % gravel.)	Clean Sands (<5 % fines)	SW	Well graded sands or gravelly sands, little or no fines.
			SP	Poorly graded sands, little or no fines.
		Sands With Fines (>15 % fines)	SM	Silty sands, sand-silt mixtures, non-plastic fines.
			SC	Clayey sands, sand-clay mixtures, plastic fines.
Fine Grained Soils (> 50 % of material is smaller than No. 200 sieve.)	SILTS AND CLAYS (Liquid limit is <50 %)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit is >50 %)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
Highly Organic Soils			Pt	Peat and other highly organic soils.

FINES	SAND			GRAVEL		COBBLES	BOULDERS
(Silt or Clay)	Fine	Medium	Coarse	Fine	Coarse		

U.S.Standard Sieve Sizes #200 1/64" 1/8" 1/4" 3/4" 3" 12" Particle Size Limits

Environmental Business Solutions, Inc.

Soil Classification Legend

(Adapted from the Unified Soil Classiification Standard - USCS)

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-1*

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SW		**Pavement:** Asphaltic concrete.	
			1			**Fill:** Black silty gravelly sand, medium sand, subrounded gravel to 4", mottled texture, damp.	
			2				
			3				
			4				
			5				
B1-5'	31/ND/ND	50	6				
			7			**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
B1-8'	8,430/66/131	24	8			▼ 8 feet below grade: Water encountered during drilling.	
			9	SM/ML			
B1-10'	9,140/174/271	55	10				
			11				
			12			**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
B1-12'	6,680/77/131	50/4"	13	SC			
			14				
B1A-15'	433/ND/ND	50/3"	15			Borehole terminated at 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			16				
			17			* Log is compilation of log B-1 (auger to 12' below grade) and log B-1A (air percussion to 15' below grade). Soil sample B1A-15' was collected on 2/11/94. Caving below 12' prohibited sample retrieval. On 2/11/94 a hollow stem auger was used to clean out the hole and collect soil sample B1A-15'.	
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/24/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-2

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/Mike

Date Drilled: 2-11-94

Date Drafted: 2-25-94

Drill Rig/Sampling Method: Simco 2000/California Split Spoon

Borehole Dia.: 10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete	
			1				
			2			**Fill:** Dark grey brown silty sand, occasional fine subangular gravel, mottled texture damp.	
			3	SM			
			4				
			5			∅ 5 feet below grade: Water encountered.	
B2-5'	19/ND/ND	75	6				
			7				
B2-8'	35/ND/ND	50/3"	8	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			9				
			10			Auger refusal at 9 feet below grade. Groundwater encountered at 5 feet below grade at time of drilling. Backfilled with bentonite.	
			11				
			12				
			13				
			14				
			15				
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG #1364 Date: 3/24/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-3

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/Mike

Date Drilled: 2-11-94

Date Drafted: 2-25-94

Drill Rig/Sampling Method: Simco 2000/California Split Spoon

Borehole Dia.: 10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SM		**Pavement:** Concrete.	
			1			**Fill:** Dark grey brown silty sand, occasional fine subangular gravel, mottled texture, damp.	
			2				
			3				
			4				
B3-5'	ND/ND/ND	35	5				
			6				
			7	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
B3-8'	ND/ND/ND	32	8			@ 8 feet below grade: Water encountered.	
			9				
B3-10'	904/ND/ND	43	10	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			11				
			12				
			13				
			14				
B3-15'	17/ND/ND	50/4"	15			Borehole terminated at 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

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Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-4 *

Client: La Mesa R.V. Center | Job No: 93E1163.1 | Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SC		**Pavement:** Asphaltic concrete.	
			1			**Fill:** Modedrate yellowish brown, gravelly clayey sand, moist.	
			2				
			3				
			4				
B4-5'	ND/ND/ND	15	5			@ 5 feet below grade: Geofabric in sampler.	
			6				
			7	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
B4-8'	3,750/82/87	45	8			@ 8 feet below grade: Water encountered.	
			9				
B4-10'	366/ND/ND	50/1"	10			**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
B4-11'	956/14/ND	50/3"	11				
			12			@ 12 feet below grade: Auger refusal, drilled B-4A with air percussion.	
			13				
			14				
B4A-15'	187/ND/ND	50/5"	15	SC			
			16				
			17				
			18				
			19				
B4A-20'	27/ND/ND	50/6"	20			Borehole terminated at 20 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			21				
			22			* Log is compilation of log B-4 (auger to 12 feet below grade) and log B-4A (air percussion from 12 to 15 feet below grade). Soil boring B-4A was drilled on 2/11/94.	
			23				
			24				
			25				
			26				
			27				

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Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-5

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SC		**Pavement:** Asphaltic concrete.	
			1				
			2			**Fill:** Modedrate yellowish brown, gravelly clayey sand, moist.	
			3				
			4	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
B5-5'	ND/ND/ND	55	5				
			6				
			7			@ 7 feet below grade: Auger refusal, converted to air percussion.	
			8			@ 8 feet below grade: Water encountered.	
			9				
B5-10'	ND/ND/ND	50/3"	10	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			11				
			12				
			13				
			14				
		85/2"	15				
			16			Borehole terminated at 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-6

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled: 2-10-94

Date Drafted: 2-25-94

Drill Rig/Sampling Method: Canterra Drill Rig/California Split Spoon

Borehole Dia.: 10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete.	
			1				
			2			**Fill:** Modedrate yellowish brown, gravelly clayey sand moist.	
			3	SC			
			4				
B6-5'	96/ND/ND	50/3"	5				
			6			▼ 6 feet below grade: Water encountered. Drillers comment: "very hard".	
			7	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			8				
B6-8'	97/ND/ND	50/5"	9			Refusal due to caving at 9 feet below grade. Groundwater encountered at 6 feet below grade at time of drilling. Backfilled with bentonite.	
			10				
			11				
			12				
			13				
			14				
			15				
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

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Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

WELL LOG

Number: MW-1

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"	4"	

SAMPLE LOG		BOREHOLE LOG					WELL LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SC		**Pavement:** Asphaltic concrete.	
			1				
			2				
			3			**Fill:** Moderate yellowish brown, gravelly clayey sand, moist.	
			4				
			5				
MW1-5'	ND/ND/ND	90	6	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
			7				
			8			@ 8 feet below grade: Water encountered.	
MW1-8'	761/17/14	50/3"	9	GW/GM			
			10			**Alluvium:** Red brown gravel/silty gravel, course sub-angular gravel, wet.	
MW1-10'	962/ND/29	50/3"	11				
			12				
			13				
			14				
MW1-15'	206/ND/ND	50/3"	15	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			16				
			17				
			18				
			19				
MW1-20'	59/ND/ND	50/4"	20			Borehole terminated at 20 feet below grade and caved to 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Well installed on 2/11/94.	
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: [signature] License #: CEG #1364 Date: 3/24/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

WELL LOG

Number: MW-2

Client: La Mesa R.V. Center	Job No: 93E1163.1	Sheet: 1 of 1	
EBS Rep: Barry S. Pulver	Location: 7601 Alvarado Road La Mesa, California	Drilling Company/Driller: Tri-County Drilling/James	
Date Drilled: 2-10-94	Date Drafted: 2-25-94	Drill Rig/Sampling Method: Canterra Drill Rig/California Split Spoon	Borehole Dia.: 10" / Casing Dia.: 4" / Surface Elevation:

SAMPLE LOG		BOREHOLE LOG					WELL LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete.	
			1				
			2	SC			
			3			**Fill:** Modedrate yellowish brown, gravelly clayey sand moist.	
			4				
		15	5			***Topsoil:*** *Dark brown, silty sand/sandy silt, occassional* sub-angular gravel, root fragments, massive texture, damp to wet.	
			6	SM/ML			
			7				
			8			*@ 8 feet below grade: Water encountered.*	
			9				
			10			**Alluvium:** Red brown gravel/silty gravel, course sub-angular gravel, wet. No recovery of sample.	
			11	GW/GM			
			12				
			13				
			14				
			15				
			16			**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented. No recovery of sample.	
			17				
			18	SC			
			19				
			20				
			21			Borehole terminated at 20 feet below grade and caved to 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Caving below 8 feet below grade prevented collection of soil samples. Well installed on 2/10/94.	
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

WELL LOG

Number: MW-3

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
2-11-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"	4"	

SAMPLE LOG		BOREHOLE LOG					WELL LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** *Asphaltic concrete.*	
			1			**Fill:** Dark grey brown silty sand, occasional fine subangular gravel, mottled texture, damp.	
			2				
			3				
			4				
			5			**Alluvium:** Red brown gravel/silty gravel, course sub-angular gravel, wet.	
MW3-5'	52/ND/ND	90	6			@ 5 feet below grade: Water encountered.	
			7				
			8				
MW3-8'	27/ND/ND	50/5"	9			**Alluvium:** Moderate yellow brown gravelly clayey sand, medium sand, fine to course subangular gravel, cemented.	
			10				
MW3-10'	11/ND/ND	50/5"	11	SC			
			12				
			13				
			14				
MW3-15'	83/ND/ND	50/3"	15				
			16			Borehole terminated at 15 feet below grade. Groundwater encountered at 5 feet below grade at time of drilling. Well installed on 2/11/94.	
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: [signature] License #: CEG #1364 Date: 3/24/94

Reviewed By: _____ License #: _____ Date: _____

LABORATORY REPORTS
SOIL

teg

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY, INC.

February 12, 1994

Mr. Barry Pulver
Environmental Business Solutions, Inc.
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

PROJECT FILE
Project No 93E1163.1
DO NOT REMOVE

RECEIVED
FEB 23 1994
Environmental Business Solutions, Inc

SUBJECT: DATA REPORT - LA MESA R.V. CENTER, 7601 ALVARADO RD., SAN DIEGO, CA - EBS PROJECT #93E1163.1

TEG Project #940210T3

Mr. Pulver:

Please find enclosed a data report for soil samples from the above referenced project for Environmental Business Solutions. The samples were analyzed in TEG's California DOHS certified mobile laboratories (CERT #1317). TEG personnel conducted the following analyses:

- 30 soils for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015.
- 30 soils for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included on the tables.

TEG appreciates the opportunity to provide analytical services to Environmental Business Solutions for this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Sheri W. Hartman

Ms. Sheri Hartman
President

TRANSGLOBAL
ENVIRONMENTAL
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ENVIRONMENTAL BUSINESS SOLUTIONS PROJECT #93E1163.1
La Mesa R.V. Center
7601 Alvarado Rd.
San Diego, CA

TEG Project #940210T3

TRPH (EPA Method 418.1) & TPH (DOHS Mod. EPA Method 8015) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
METHOD BLANK	02/10/94	ND	ND	ND
METHOD BLANK	02/11/94	ND	ND	ND
B4-5'	02/10/94	ND	ND	ND
B4-8'	02/10/94	3,750	82	87
B4-10'	02/10/94	366	ND	ND
B4-11'	02/10/94	956	14	ND
B4A-15'	02/11/94	187	ND	ND
B4A-20'	02/11/94	27	ND	ND
B1-5'	02/10/94	31	ND	ND
B1-8'	02/10/94	8,430	66	131
B1-10'	02/10/94	9,140	174	271
B1-12'	02/10/94	6,680	77	131
B1A-15'	02/11/94	433	ND	ND
B5-5'	02/10/94	ND	ND	ND
B5-10'	02/10/94	ND	ND	ND
B5-10' DUP	02/10/94	ND	ND	ND
MW1-5'	02/11/94	ND	ND	ND
MW1-8'	02/11/94	761	17	14
MW1-8' DUP	02/11/94	768	36	25
MW1-10'	02/11/94	962	ND	29
MW1-15'	02/11/94	206	ND	ND
MW1-20'	02/11/94	59	ND	ND
B2-5'	02/11/94	19	ND	ND
B2-8'	02/11/94	35	ND	ND
B3-5'	02/11/94	ND	ND	ND
B3-8'	02/11/94	ND	ND	ND
B3-10'	02/11/94	904	ND	ND
B3-15'	02/11/94	17	ND	ND
MW3-5'	02/11/94	52	ND	ND
MW3-8'	02/11/94	27	ND	ND
MW3-10'	02/11/94	11	ND	ND
MW3-15'	02/11/94	83	ND	ND
B6-5'	02/11/94	96	ND	ND
B6-8'	02/11/94	97	ND	ND
DETECTION LIMITS		10	10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

TRANSGLOBAL
ENVIRONMENTAL
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RECEIVED
MAR 04 1994
Environmental Business Solutions, Inc.

ENVIRONMENTAL BUSINESS SOLUTIONS, INC.
PROJECT #93E1163.1
La Mesa RV, La Mesa, CA

TEG Project #940210T3

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8010/8020) ANALYSES OF SOILS

	BLANK	BLANK	B1-10'	B1-10' RERUN
DATE RECEIVED			02/11/94	02/25/94
DATE EXTRACTED			02/14/94	02/25/94
DATE ANALYZED	02/14/94	02/28/94	02/14/94	02/28/94
FREON 12	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd
FREON 11	nd	nd	nd	nd
1,1 DiCHLORO ETHENE	nd	nd	nd	nd
METHYLENE CHLORIDE	nd	nd	nd	nd
1,2 Trans DiCHLORO ETHENE	nd	nd	nd	nd
1,1 DiCHLORO ETHANE	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd
1,2 Cis DiCHLORO ETHENE	nd	nd	nd	nd
1,1,1 TriCHLORO ETHANE	nd	nd	nd	nd
CARBON TetraCHLORIDE	nd	nd	nd	nd
1,2 DiCHLORO ETHANE	nd	nd	nd	nd
TriCHLORO ETHENE	nd	nd	nd	nd
1,2 DiCHLORO PROPANE	nd	nd	nd	nd
BROMO DiCHLORO METHANE	nd	nd	nd	nd
Cis DiCHLORO PROPENE	nd	nd	nd	nd
Trans DiCHLORO PROPENE	nd	nd	nd	nd
1,1,2 TriCHLORO ETHANE	nd	nd	nd	nd
TetraCHLORO ETHENE	nd	nd	nd	nd
TetraCHLORO ETHANE	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	0.712	0.644
TOTAL XYLENES	nd	nd	1.455	1.368
SURROGATE RECOVERY (%)	100.5%	99.6%	89.5%	106.1%

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 0.050 MG/KG FOR EACH COMPOUND

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)

ANALYSES PERFORMED BY: MS. STACIE WISSLER

DATA REVIEWED BY: MS. SHERI HARTMAN Sheri Hartman 3/3/94

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

ENVIRONMENTAL BUSINESS SOLUTIONS PROJECT #93E1163.1
La Mesa R.V. Center
7601 Alvarado Rd.
San Diego, CA

TEG Project #940210T3

TRPH (EPA Method 418.1) & TPH (DOHS Mod. EPA Method 8015) ANALYSES OF SOILS

	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
QA/QC DATA - MATRIX SPIKE ANALYSIS				
Spiked Conc.	02/10/94	500	200	500
Measured Conc.		524	177	410
% Recovery		104.8%	88.5%	82.0%
Spiked Conc.	02/10/94	500	200	500
Measured Conc.		534	186	454
% Recovery		106.8%	93.0%	90.8%
RPD		1.9%	5.0%	10.2%
Spiked Conc.	02/11/94	500	200	500
Measured Conc.		499	181	509
% Recovery		99.8%	90.5%	101.8%
Spiked Conc.	02/11/94	500	200	500
Measured Conc.		507	185	465
% Recovery		101.4%	92.5%	93.0%
RPD		1.6%	2.2%	9.0%

ACCEPTABLE RECOVERY LIMITS: 65% TO 135%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)

ANALYSES PEFORMED BY: MR. WES ROBB

DATA REVIEWED BY: MS. SHERI HARTMAN Sheri W Hartman 2/14/94

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

ANALYTICAL PROCEDURES

SAMPLE PREPARATION

Waters

Separate water aliquots are extracted for TPH analysis (gasoline and diesel) by liquid-liquid extraction with freon 113 using a modified EPA Method 3510. For volatile aromatics and chlorinated hydrocarbons (EPA 601 & 602), water samples are purged of volatiles in a Tekmar LSC-2000 purge & trap following EPA Method 5030.

Soils

Soil samples are extracted with methanol for volatile chlorinated hydrocarbon compounds (EPA 8010) and with freon 113 for volatile aromatic hydrocarbon compounds (EPA 8020) and fuel compounds (DOHS approved EPA 8015m) by hand-shaking for 2 minutes and sonification for 10 minutes.

GAS CHROMATOGRAPHY

Volatile Chlorinated Hydrocarbons

Water samples and soil extracts are purged in a Tekmar LSC-2000 purge & trap, and backflushed into a Shimadzu 14A gas chromatograph equipped with megabore capillary columns and photoionization detector (PID) and Hall electrolytic detectors following EPA Methods 601/8010 and 602/8020.

Volatile Aromatic Hydrocarbons (BTEX) & Total Fuel Hydrocarbons (TPH)

An aliquot of the soil extract is injected on-column into a Shimadzu gas chromatograph equipped with megabore capillary columns, photoionization (PID) and flame ionization detectors (FID).

TOTAL RECOVERABLE HYDROCARBONS

Extracts are scrubbed with silica gel and measured on a BUCK 404 Infrared Analyzer following EPA 418.1 protocols.

DATA ACQUISITION & PROCESSING

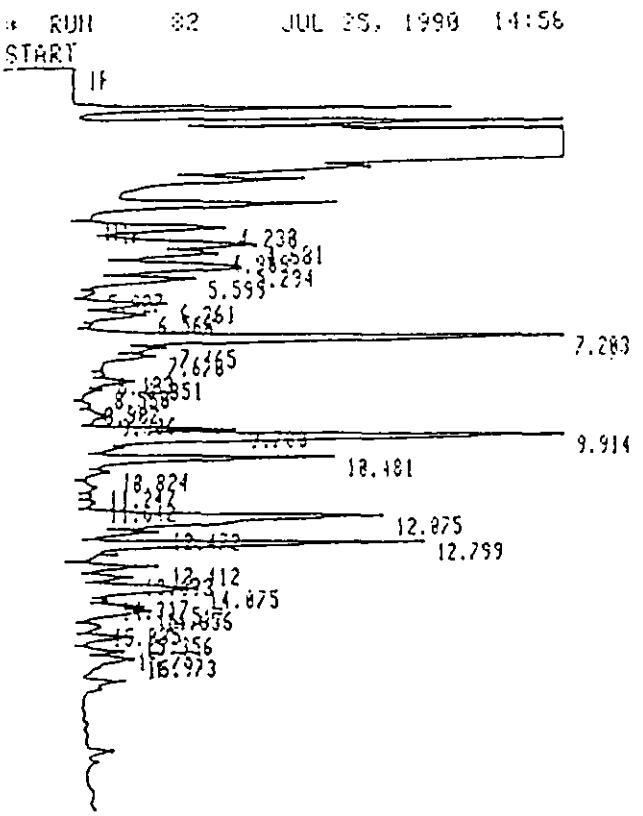
Data from the gas chromatographs are integrated and plotted by Hewlett-Packard 3393A computing integrators. Separate chromatograms are printed for each detector. The resulting chromatograms are inspected at the end of each run and the data entered into an IBM-compatible computer for on-site processing and evaluation.

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

TOTAL PETROLEUM HYDROCARBONS (EPA 8015m)

GASOLINE



STOP

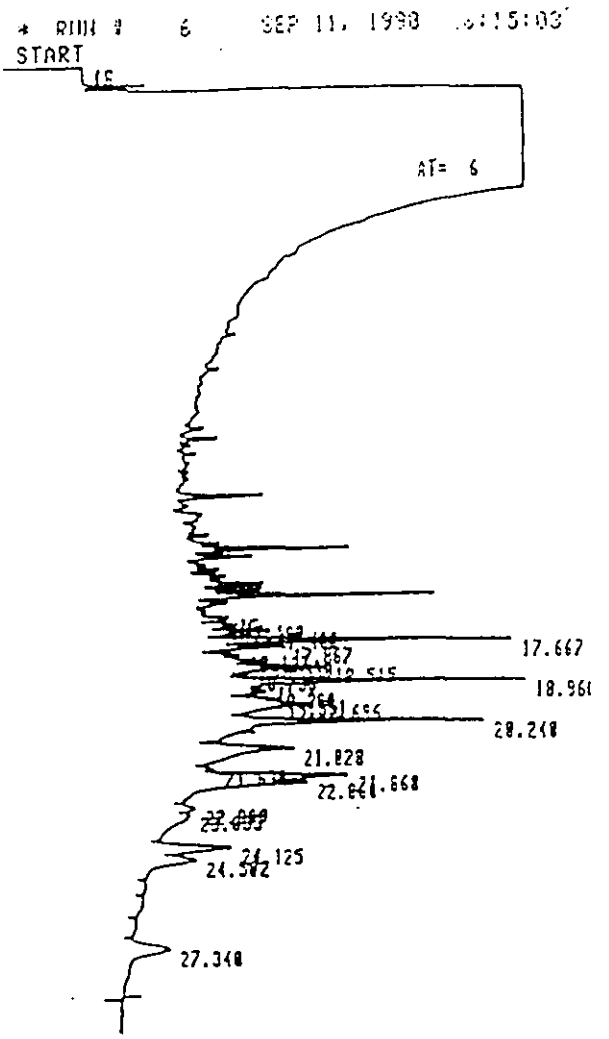
Closing signal file M:SIGNAL .BHC

RUN# 82 JUL 25, 1998 14:58:41

SIGNAL FILE: M:SIGNAL.BHC

EPA METHOD 8015

DIESEL



TIMETABLE STOP

Closing signal file M:SIGNAL .BHC

RUN# 6 SEP 11, 1998 18:15:03

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS
ADDRESS: 8799 Balboa Suite 290 San Diego CA 92123
PHONE: 571 5500 FAX: 571 5357
CLIENT PROJECT #: 93611631 PROJECT MANAGER: D. Johnson

DATE: 2/10/94 PAGE 1 OF 1
TEG PROJECT #: 9410210T3
LOCATION: La Mesa R.V.
COLLECTOR: B. Pulver DATE OF COLLECTION: 2/10/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Number
B4-5'			Soil	Jar				X		X												
B4-8'								X		X												
B4-10'								X		X												
B4-11'								X		X										(1)		
B1-5'								X		X												
B1-8'								X		X												
B1-10'								X		X										8010, 8020, 8080 BTEX, LEAD		
B1-12'								X		X										(2)		
B5-5'								X		X												
B5-10'								X		X												

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME
Wesley C. Pulver 2/10/94 1530

SAMPLE DISPOSAL INSTRUCTIONS
☐ TEG DISPOSAL @ $2.00 each ☒ Return ☐ Pickup

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS
CHAIN OF CUSTODY SEALS Y/N/NA
SEALS INTACT? Y/N/NA
RECEIVED GOOD COND./COLD
NOTES:

LABORATORY NOTES:
If problem with analysis, call Mike Bsp

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: CBS

ADDRESS: 8799 Balboa Suite 290 S.D. CA 92123

PHONE: 571-5500 FAX: 571 5357

CLIENT PROJECT #: 15E1163.1 PROJECT MANAGER: D. JOHNSON

DATE: 2/10/94 PAGE 1 OF 3

TEG PROJECT #: 9402103

LOCATION: LA MESA R.V., 7601 ALVARADO RD, S.D.

COLLECTOR: B. PULVER DATE OF COLLECTION: 2/11/94

Sample Number	Depth	Time	Sample Type	Container Type*	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Number
MW1-5	5'		SOIL	JAR				X			X										1	
MW1-8	8'		"	"																	1	
MW1-10	10'		"	"																	1	
B1A-15	15'		"	"																	1	
MW1-15	15'		"	"																	1	
MW1-20	20'		"	"																	1	
B3-5	5'		"	"																	1	
B3-8	8'		"	"																	1	
B3-10	10'		"	"																	1	
B4A-15	15'		"	"																	1	
B3-15	15'		"	"																	1	
MW3-5	5'		"	"																	1	
MW3-8	8'		"	"																	1	
B2-5	5'		"	"																	1	
MW3-10	10'		"	"																	1	
B2-8	8'		"	"																	1	
MW3-15	15'		"	"																	1	
B6-5	5'		"	"																	1	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	2/11/94	[signature]	2/11/94
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☒ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	18
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS

ADDRESS: 8799 BALBOA SUITE 290 S.D. CA 92123

PHONE: 571-5500 FAX: 571-5357

CLIENT PROJECT #: 93E1163.1 PROJECT MANAGER: D JOHNSON

DATE: 2/11/94 PAGE 2 OF 2

TEG PROJECT #: 9402103

LOCATION: LAMEA RV, 7601 ALVARADO RD, SD

COLLECTOR: B. PULVER DATE OF COLLECTION: 2/11/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Number
B6-8	8'		SOIL	TAR				X		X										1	
BAA-20'	20'		"	"				X		X										1	

RELINQUISHED BY: (Signature) DATE/TIME 2/11/94 RECEIVED BY: (Signature) DATE/TIME

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) 2/11/94 DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☒ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	2
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

Att #1 402169

CLIENT: EBS
ADDRESS: 8799 Balboa Suite 290 San Diego
PHONE: 5715560 FAX: 571-5357
CLIENT PROJECT #: 9381139.4 PROJECT MANAGER: B. Pulver

DATE: 2 14 94 PAGE 1 OF 1
TEG PROJECT #: 940210-T3
LOCATION: —
COLLECTOR: Pulver DATE OF COLLECTION: 2/9/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS						FIELD NOTES	Total Number Of Containers	Laboratory Note Number
B1 10'	10'		Soil	4oz. Jar										X		X										1	
																									4°C		

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	2/14/94 1450		
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
		[signature]	2/14/94 14..

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☑ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y/N
NOTES:	

LABORATORY NOTES:
Bill to EBS
CC Report to TEG.

RECEIVED
MAR 01 1994
Environmental Business Solutions, Inc.

Analytical Technologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

PROJECT FILE
Project No. _____
DO NOT REMOVE

ATI I.D.: 402169

February 28, 1994

ENVIRONMENTAL BUSINESS SOLUTIONS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

Project Name: (NONE)
Project # :

Attention: B. PULVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
February 14, 1994	1	SOIL

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

The results of these analyses and the quality control data are enclosed.

ROBERT L MANRIQUEZ
PROJECT MANAGER

M. E. SHIGLEY
LABORATORY MANAGER

cc: JULIE BAILEY
TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY
432 N. CEDROS
SOLANA BEACH, CA 92075

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

Report Date: February 28, 1994
ATI I.D. : 402169

ATI #	Client Description	Matrix	Date Collected
1	B1 10'	SOIL	10-FEB-94

---TOTALS---

Matrix	# Samples
SOIL	1

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D.: 402169

Analysis	Technique/Description
EPA 6010 (LEAD, ORGANIC)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 8080 (ORGANOCHLORINE PESTICIDES & PCB'S)	GC/ELECTRON CAPTURE DETECTOR

Analytical Technologies, Inc.

METALS RESULTS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D.: 402169

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	B1 10'	SOIL	10-FEB-94	14-FEB-94

Parameter	Units	1
ORGANIC LEAD	MG/KG	1.5

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

DUP/MS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D. : 402169

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
ORGANIC LEAD	402169-01	MG/KG	1.5	2.6	54@R	7.0	5.2	106

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

@R RPD LIMIT IS 67% FOR INORGANIC RESULTS LESS THAN TEN TIMES THE REPORTING DETECTION LIMIT.

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D. : 402169

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
ORGANIC LEAD	44276	MG/KG	<0.3	4.3	5.3	81

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : EPA 8080 (ORGANOCHLORINE PESTICIDES & PCB'S)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 402169
Project # :
Project Name: (NONE)

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	B1 10'	SOIL	10-FEB-94	15-FEB-94	25-FEB-94	1.00

Parameter	Units	1
ALDRIN	MG/KG	<0.0050
ALPHA-BHC	MG/KG	<0.0050
BETA-BHC	MG/KG	<0.0050
GAMMA-BHC (LINDANE)	MG/KG	<0.0050
DELTA-BHC	MG/KG	<0.0050
CHLORDANE	MG/KG	<0.050
2,4'-DDD	MG/KG	<0.010
2,4'-DDE	MG/KG	<0.010
2,4'-DDT	MG/KG	<0.010
4,4'-DDD	MG/KG	<0.010
4,4'-DDE	MG/KG	<0.010
4,4'-DDT	MG/KG	<0.010
DIELDRIN	MG/KG	<0.010
ENDOSULFAN I	MG/KG	<0.0050
ENDOSULFAN II	MG/KG	<0.010
ENDOSULFAN SULFATE	MG/KG	<0.010
ENDRIN	MG/KG	<0.010
ENDRIN KETONE	MG/KG	<0.010
HEPTACHLOR	MG/KG	<0.0050
HEPTACHLOR EPOXIDE	MG/KG	<0.0050
METHOXYCHLOR	MG/KG	<0.050
TOXAPHENE	MG/KG	<0.10
AROCLOR-1016	MG/KG	<0.050
AROCLOR-1221	MG/KG	<0.050
AROCLOR-1232	MG/KG	<0.050
AROCLOR-1242	MG/KG	<0.050
AROCLOR-1248	MG/KG	<0.050
AROCLOR-1254	MG/KG	<0.050
AROCLOR-1260	MG/KG	<0.050
SURROGATES		
DBC	%	93

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8080 (ORGANOCHLORINE PESTICIDES & PCB'S)
Blank I.D. : 28988
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D. : 402169
Date Extracted: 15-FEB-94
Date Analyzed : 25-FEB-94
Dil. Factor : 1.00

Parameters	Units	Results
ALDRIN	MG/KG	<0.0050
ALPHA-BHC	MG/KG	<0.0050
BETA-BHC	MG/KG	<0.0050
GAMMA-BHC (LINDANE)	MG/KG	<0.0050
DELTA-BHC	MG/KG	<0.0050
CHLORDANE	MG/KG	<0.050
2,4'-DDD	MG/KG	<0.010
2,4'-DDE	MG/KG	<0.010
2,4'-DDT	MG/KG	<0.010
4,4'-DDD	MG/KG	<0.010
4,4'-DDE	MG/KG	<0.010
4,4'-DDT	MG/KG	<0.010
DIELDRIN	MG/KG	<0.010
ENDOSULFAN I	MG/KG	<0.0050
ENDOSULFAN II	MG/KG	<0.010
ENDOSULFAN SULFATE	MG/KG	<0.010
ENDRIN	MG/KG	<0.010
ENDRIN KETONE	MG/KG	<0.010
HEPTACHLOR	MG/KG	<0.0050
HEPTACHLOR EPOXIDE	MG/KG	<0.0050
METHOXYCHLOR	MG/KG	<0.050
TOXAPHENE	MG/KG	<0.10
AROCLOR-1016	MG/KG	<0.050
AROCLOR-1221	MG/KG	<0.050
AROCLOR-1232	MG/KG	<0.050
AROCLOR-1242	MG/KG	<0.050
AROCLOR-1248	MG/KG	<0.050
AROCLOR-1254	MG/KG	<0.050
AROCLOR-1260	MG/KG	<0.050
SURROGATES		
DBC	%	96

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

AT Lab 402169

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS

ADDRESS: 8799 Balboa Suite 290 San Diego

PHONE: 5715580 FAX: 571-5357

CLIENT PROJECT #: PROJECT MANAGER: B. Pulver

DATE: 2 14 94 PAGE 1 OF 1

TEG PROJECT #: 940210.T3

LOCATION: — 2/14/94 for Kim (TEG)

COLLECTOR: Pulver DATE OF COLLECTION: 2/10/94

	Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS					FIELD NOTES	Total Number Of Containers	Laboratory Number
01	B1 10'	10'		Soil	402 Jar								X		X										1	
																								4°C		

RELINQUISHED BY: (Signature) DATE/TIME 2/14/94 1450 RECEIVED BY: (Signature) DATE/TIME

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME 2/14/94 14:

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:
Bill to EBS
CC Report to TEG.

ACCESSION #: 402169

INITIALS: LM

SAMPLE CONDITION UPON RECEIPT CHECKLIST (FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)			
1	Does this project require special handling according to NEESA Levels C, D, AFOEHL or CLP protocols? If yes, complete a) thru c) a) Cooler temperature _____ b) pH sample aliquoted: yes / no / n/a c) LOT #'s: _____	YES	(NO)
2	Are custody seals present on cooler?	YES	(NO)
	If yes, are seals intact? (N/A)	YES	NO
3	Are custody seals present on sample containers?	YES	(NO)
	If yes, are seals intact? (N/A)	YES	NO
4	Is there a Chain-Of-Custody (COC)*?	(YES)	NO
5	Is the COC* complete? Relinquished: (yes/no) Requested analysis: (yes/no)	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: (yes/no) Sample ID's: (yes/no) Date sampled: (yes/no) Matrix: (yes/no) # containers: (yes/no)	(YES)	NO
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Cooler temperature: 4°		
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: _____

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted: _____

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : EPA 8080 (ORGANOCHLORINE PESTICIDES & PCB'S)
MSMSD # : 59690
Client : ENVIRONMENTAL BUSINESS SOLUTIONS

Project # :
Project Name: (NONE)

ATI I.D. : 402169
Date Extracted: 15-FEB-94
Date Analyzed : 25-FEB-94
Sample Matrix : SOIL
REF I.D. : REAGENT SOIL

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
ALDRIN	MG/KG	<0.0050	0.027	0.022	81	0.024	89	9
GAMMA-BHC (LINDANE)	MG/KG	<0.0050	0.027	0.024	89	0.026	96	8
4,4'-DDT	MG/KG	<0.010	0.067	0.066	99	0.066	99	0
DIELDRIN	MG/KG	<0.010	0.067	0.071	106	0.074	110	4
ENDRIN	MG/KG	<0.010	0.067	0.080	119	0.082	122	2
HEPTACHLOR	MG/KG	<0.0050	0.027	0.022	81	0.024	89	9

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

LABORATORY REPORTS
WATER

teg

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY, INC.

February 21, 1994

Mr. Barry Pulver
Environmental Business Solutions, Inc.
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

PROJECT FILE
Project No. 93E1163.1
DO NOT REMOVE

SUBJECT: **DATA REPORT - LA MESA R.V. - EBS PROJECT #93E1165.1**

RECEIVED
MAR 02 1994
Environmental Business Solutions Inc

TEG Project #940217-8

Mr. Pulver:

Please find enclosed a data report for water samples from the above referenced site for Environmental Business Solutions. All samples were analyzed in TEG's California DOHS certified mobile laboratory (CERT #1839). TEG personnel conducted the following analyses:

- 3 waters for volatile aromatic hydrocarbons (BTEX) by EPA Method 8020.
- 3 waters for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015.

The results of the analyses are summarized in the attached table. Applicable detection limits and QA/QC data are included on the table.

TEG appreciates the opportunity to provide analytical services to Environmental Business Solutions for this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Sheri Hartman

Ms. Sheri Hartman
President

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

ENVIRONMENTAL BUSINESS SOLUTIONS
Project #93E1165.1
La Mesa R.V.

TEG Project #940217-8

TPH (DOHS Mod. EPA Method 8015) & BTEX (EPA Method 8020) ANALYSES OF WATERS

SAMPLE NUMBER	DATE ANALYZED	TPH-GAS C5-C11 (ug/l)	TPH-DIESEL C12-C24 (ug/l)	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZ (ug/l)	XYLENES (ug/l)
METHOD BLANK	02/18/93	ND	ND	ND	ND	ND	ND
MW-1	02/18/93	ND	ND	ND	ND	ND	ND
MW-2	02/18/93	ND	ND	ND	ND	ND	ND
MW-2 dup	02/18/93	ND	ND	ND	ND	ND	ND
MW-3	02/18/93	ND	ND	ND	ND	ND	ND
DETECTION LIMITS (ug/l)		500	500	0.5	0.5	0.5	0.5

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

QA/QC DATA - MATRIX SPIKE ANALYSIS - WATERS (ug/l)

Spiked Conc.	02/18/93	2000	5000	100.0	100.0	100.0	300.0
Measured Conc.		2010	6026	85.9	99.8	105.4	316.2
% Recovery		100.5%	120.5%	85.9%	99.8%	105.4%	105.4%
Spiked Conc.	02/18/93	2000	5000	100.0	100.0	100.0	300.0
Measured Conc.		2325	5964	89.3	100.8	101.5	324.3
% Recovery		116.3%	119.3%	89.3%	100.8%	101.5%	108.1%
RPD		14.5%	1.0%	3.9%	1.0%	3.8%	2.5%

ACCEPTABLE RECOVERY LIMITS: 65% TO 135%

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1839)

ANALYSES PEFORMED BY: MS. STACIE WISSLER

DATA REVIEWED BY: MS. SHERI HARTMAN Sheri Hartman 2/23/93

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

teg

ANALYTICAL PROCEDURES

SAMPLE PREPARATION

Waters

Separate water aliquots are extracted for TPH analysis (gasoline and diesel) by liquid-liquid extraction with freon 113 using a modified EPA Method 3510. For volatile aromatics and chlorinated hydrocarbons (EPA 601 & 602), water samples are purged of volatiles in a Tekmar LSC-2000 purge & trap following EPA Method 5030.

Soils

Soil samples are extracted with methanol for volatile chlorinated hydrocarbon compounds (EPA 8010) and with freon 113 for volatile aromatic hydrocarbon compounds (EPA 8020) and fuel compounds (DOHS approved EPA 8015m) by hand-shaking for 2 minutes and sonification for 10 minutes.

GAS CHROMATOGRAPHY

Volatile Chlorinated Hydrocarbons

Water samples and soil extracts are purged in a Tekmar LSC-2000 purge & trap, and backflushed into a Shimadzu 14A gas chromatograph equipped with megabore capillary columns and photoionization detector (PID) and Hall electrolytic detectors following EPA Methods 601/8010 and 602/8020.

Volatile Aromatic Hydrocarbons (BTEX) & Total Fuel Hydrocarbons (TPH)

An aliquot of the soil extract is injected on-column into a Shimadzu gas chromatograph equipped with megabore capillary columns, photoionization (PID) and flame ionization detectors (FID).

TOTAL RECOVERABLE HYDROCARBONS

Extracts are scrubbed with silica gel and measured on a BUCK 404 Infrared Analyzer following EPA 418.1 protocols.

DATA ACQUISITION & PROCESSING

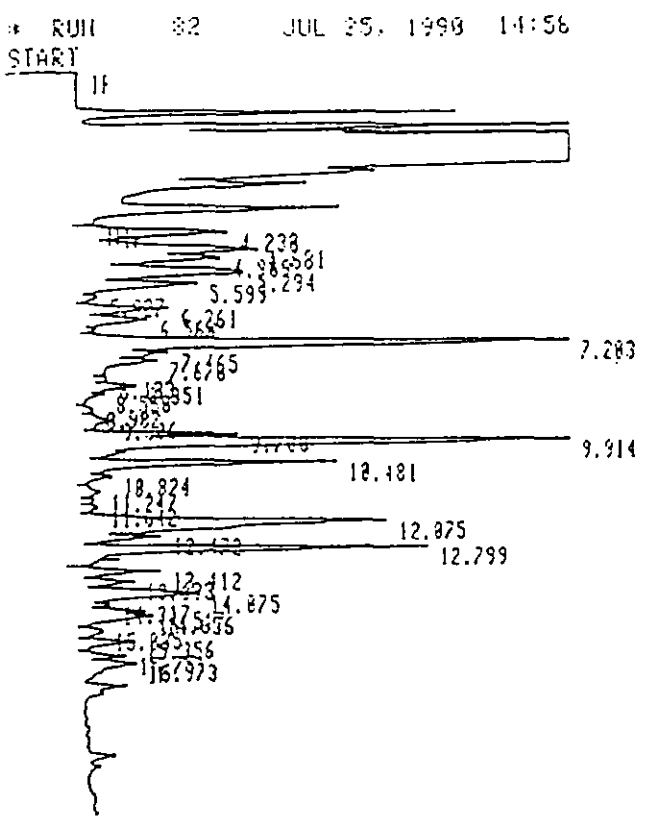
Data from the gas chromatographs are integrated and plotted by Hewlett-Packard 3393A computing integrators. Separate chromatograms are printed for each detector. The resulting chromatograms are inspected at the end of each run and the data entered into an IBM-compatible computer for on-site processing and evaluation.

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

TOTAL PETROLEUM HYDROCARBONS (EPA 8015m)

GASOLINE



STOP

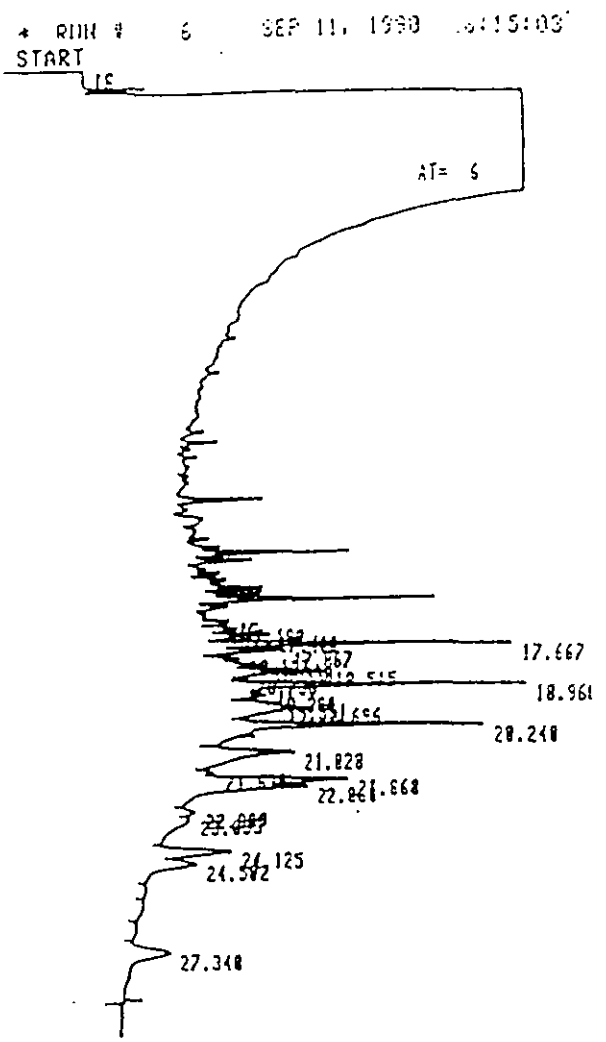
Closing signal file M:SIGNAL .BHC

RUN# 82 JUL 25, 1990 14:58:41

SIGNAL FILE: M:SIGNAL.BHC

EPA METHOD 8015

DIESEL



TIMETABLE STOP

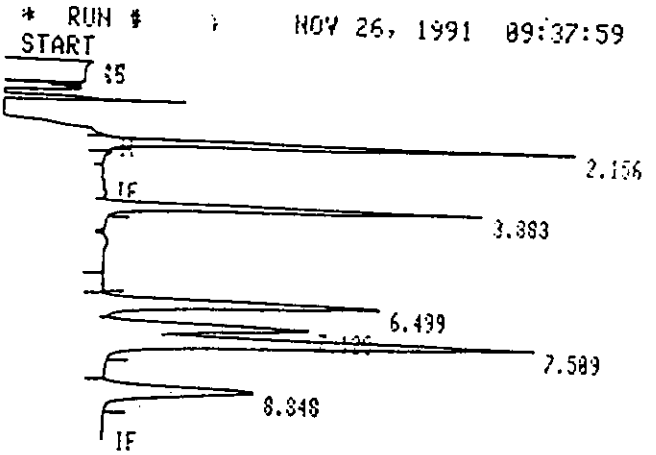
Closing signal file M:SIGNAL .BHC

RUN# 6 SEP 11, 1990

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

VOLATILE AROMATIC HYDROCARBONS (EPA 602/8020)



TIMETABLE STOP

Closing signal file M:SIGNAL .BNC

RUN# 4 NOV 26, 1991 09:37:59

SIGNAL FILE: M:SIGNAL.BNC

EPA8020M

ESTD

RT	TYPE	AREA	WIDTH	HEIGHT
2.156	BB	413165	.094	73440
3.883	PB	366094	.137	44456
6.499	BB	387750	.200	32291
7.128	BB	208464	.173	19467
7.509	BB	545349	.200	45373
8.848	BB	278847	.265	17522

RT	CAL#	PPM SOIL	NAME
2.156	1R	1.195	BENZENE
3.883	2R	1.221	TOLUENE
6.499	3R	1.201	CHLOROBENZ
7.128	4R	1.232	ETHYLBENZ
7.509	5R	2.342	M&P XYLENE
8.848	6R	1.250	O XYLENE

TOTAL AREA=2199569
MUL FACTOR=1.0000E+00

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

teg GEOCHEMISTRY, INC.

CLIENT: EBS
ADDRESS: 8799 BALBOA STE 290
PHONE: 571-5500 FAX: 571-5357
CLIENT PROJECT #: 938165.1 PROJECT MANAGER: Bong Pulver

DATE: 2-17-94 PAGE 1 OF 1
TEG PROJECT #: 94217-8
LOCATION: La Mesa R.V.
COLLECTOR: Chris Spangler DATE OF COLLECTION:

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Lab Number
MW1			H_2O	1/0ml VOA	X					X											
MW2			↓	↓	X					X											
MW3			↓	↓	X					X											

RELINQUISHED BY: (Signature) DATE/TIME: 2-17-94 / 6:17 RECEIVED BY: (Signature) Julie Bailey DATE/TIME: 2/17/94/1644

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☑ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	12
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	yes
NOTES:	

LABORATORY NOTES:

ASAP

AMENDED REPORT

Analytical Technologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 402223

March 18, 1994

RECEIVED
MAR 21 1994
Environmental Business Solutions Inc.

ENVIRONMENTAL BUSINESS SOLUTIONS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

Project Name: LA MESA RV
Project # : 93E1163.1

Attention: BARRY PULVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
February 17, 1994	3	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

Please note the corrected project number, as requested.

ROBERT L MANRIQUEZ
PROJECT MANAGER

for M. E. SHIGLEY
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

Report Date: March 18, 1994
ATI I.D. : 402223

ATI #	Client Description	Matrix	Date Collected
1	MW2	WATER	17-FEB-94
2	MW1	WATER	17-FEB-94
3	MW3	WATER	17-FEB-94

---TOTALS---

Matrix	# Samples
WATER	3

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D.: 402223
Project Name: LA MESA RV

Analysis	Technique/Description
EPA 7421 (LEAD)	ATOMIC ABSORPTION/GRAPHITE FURNACE

Analytical Technologies, Inc.

METALS RESULTS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D.: 402223
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	MW2	WATER	17-FEB-94	17-FEB-94

Parameter	Units	1
LEAD	MG/L	0.002

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

DUP/MS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 402223
Project Name: LA MESA RV

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
LEAD	402223-01	MG/L	0.002	<0.002	0	2.04	2.00	102

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 402223
Project Name: LA MESA RV

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
LEAD	44382	MG/L	<0.002	2.05	2.00	103

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

ACCESSION #: 402223

INITIALS: DH 2/17/94

SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NEESA Levels C, D, AFOEHL or CLP protocols? If yes, complete a) thru c) a) Cooler temperature _____ b) pH sample aliquoted: yes / no / n/a c) LOT #'s: _____	YES	NO
2	Are custody seals present on cooler?	YES	NO
	If yes, are seals intact? (NA)	YES	NO
3	Are custody seals present on sample containers?	YES	NO
	If yes, are seals intact? (NA)	YES	NO
4	Is there a Chain-Of-Custody (COC)*?	YES	NO
5	Is the COC* complete? Relinquished: yes/no Requested analysis: yes/no	YES	NO
6	Is the COC* in agreement with the samples received? # Samples: yes/no Sample ID's: yes/no Date sampled: yes/no Matrix: yes/no # containers: yes/no	YES	NO
7	Are the samples preserved correctly?	YES	NO
8	Is there enough sample for all the requested analyses?	YES	NO
9	Are all samples within holding times for the requested analyses?	YES	NO
10	Cooler temperature: 6°C.		
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	YES	NO
12	Are samples requiring no headspace, headspace free? N/A	YES	NO 2/17/94
13	Are VOA 1st stickers required? DH 2/17/94	YES	NO
14	Are there special comments on the Chain of Custody which require client contact?	YES	N/A DH 2/17/94
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: _____

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted: _____

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

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

Chain of Custody

DATE_____ PAGE____ OF____

PROJECT MANAGER: Barry Pulver
COMPANY: EBS
ADDRESS: 8799 BALBOA AVE STE. 290
S.D. 92123

BILL TO: Same
COMPANY:
ADDRESS:

Chris Spengler (619) 571-5500
SAMPLERS (Signature) PHONE NUMBER

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID
MW 1	2-17-94			02
MW 2	1			01
MW 3				03

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

Petroleum Hydrocarbons 418.1	Oil and Grease 413.2	Gasoline (MOD 8015/DOHS)	Diesel (MOD 8015/DOHS)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil)	MOD 8015 (Unknown)	BTXE (8020)	Chlorinated Hydrocarbons (8010)	Aromatic Hydrocarbons (8020)	Chlorinated/Aromatic Hydrocarbons (8010/8020)	Organic Pb	Pesticides/PCB (8080)	Base/NEU/Acid Cmpds GC/MS (8270)	Volatile Cmpds GC/MS (8240)	Polynuclear Aromatic (8310)	CCR Metals	Priority Pollutant Metals									Number of Containers
1L (H2SO4)/100g	1L (H2SO4)/100g	4 oz (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	500ml/50g	1L/50g	1L/100g	2X40ml (HCl)/100g	1L/100g	500ml/100g	500ml/100g									
																Total Lead									
																X	ONLY ONE								
																X	WILL BE								
																X	TESTED								

Verbal from Barry Pulver EBS 2/22/94 KC

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER: 93E1165.1		TOTAL NUMBER OF CONTAINERS	3
PROJECT NAME: LA MESA RV		CHAIN OF CUSTODY SEALS Y/N/NA	N
PURCHASE ORDER NUMBER: ———		SEALS INTACT? Y/N/NA	NA
VIA:		RECEIVED GOOD COND/COLD	Y/Cool
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☒2WK		LAB NUMBER	407223

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments: Only one to be tested for total lead depending on TPH results from TEG. We will call.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 5:07	Signature: Time:	Signature: Time:
Printed Name: Chris Spengler Date: 2-17-94	Printed Name: Date:	Printed Name: Date:
Company: EBS	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 5:07
Printed Name: Date:	Printed Name: Date:	Printed Name: Lucia Mendez 2/17/94
Company:	Company:	Analytical Technologies, Inc.

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

AnalyticalTechnologies, Inc.

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

Chain of Custody

DATE_____ PAGE____ OF____

PROJECT MANAGER: Barry Pulver
COMPANY: EBS
ADDRESS: 8799 Balboa Ave Ste. 290
S.D. 92123

BILL TO: Same
COMPANY:
ADDRESS:

SAMPLERS: (Signature) (619) 571-5500 PHONE NUMBER

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

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID
MW 1	2-17-94			02
MW 2	1			01
MW 3				03

Petroleum Hydrocarbons 418.1	Oil and Grease 413.2	Gasoline (MOD 8015/DOHS)	Diesel (MOD 8015/DOHS)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil)	MOD 8015 (Unknown)	BTXE (8020)	Chlorinated Hydrocarbons (8010)	Aromatic Hydrocarbons (8020)	Chlorinated/Aromatic Hydrocarbons (8010/8020)	Organic Pb	Pesticides/PCB (8080)	Base/NEU/Acid Cmpds GC/MS (8270)	Volatile Cmpds GC/MS (8240)	Polynuclear Aromatic (8310)	CCR Metals	Priority Pollutant Metals	Total Lead	Number of Containers
1L (H_2SO_4)/100g	1L (H_2SO_4)/100g	4 oz (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	500ml/50g	1L/50g	1L/100g	2X40ml (HCl)/100g	1L/100g	500ml/100g	500ml/100g		
																X	ONLY ONE	
																X	WILL BE	
																X	TESTED	
												Verbal from Barry Pulver EBS 2/22/94 KR						

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	93E1165.1	TOTAL NUMBER OF CONTAINERS	3
PROJECT NAME:	LA MESA RV	CHAIN OF CUSTODY SEALS Y/N/NA	N
PURCHASE ORDER NUMBER:	—	SEALS INTACT? Y/N/NA	NA
VIA:		RECEIVED GOOD COND/COLD	1/60
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☒2WK		LAB NUMBER	407223

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments: Only one to be tested for total lead depending on TPH results from TEG. We will call.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 5:07	Signature: Time:	Signature: Time:
Printed Name: Date: Chris Spengler 2-17-94	Printed Name: Date:	Printed Name: Date:
Company: EBS	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 2/17/94 5:07
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: Lance Mendoza 2/17/94
Company:	Company:	Analytical Technologies, Inc.

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

LABORATORY TEST REPORT

PROJECT FILE
PROJECT NO.
DO NOT REMOVE

Analytical Technologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 403290

March 29, 1994

RECEIVED
MAR 30 1994
Environmental Business Solutions, Inc.

ENVIRONMENTAL BUSINESS SOLUTIONS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

Project Name: LMRV
Project # : 93E1163.1

Attention: B. PULVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
March 18, 1994	1	SOIL

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

ROBERT L MANRIQUEZ
PROJECT MANAGER

M. E. SHIGLEY
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LMRV

Report Date: March 29, 1994
ATI I.D. : 403290

ATI #	Client Description	Matrix	Date Collected
1	DRUM B-4	SOIL	18-MAR-94
2	DRUM B-4/TCLP 01	TCLP EXTRACT	18-MAR-94

---TOTALS---

Matrix	# Samples
SOIL	1
TCLP EXTRACT	1

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : *ENVIRONMENTAL BUSINESS SOLUTIONS*
Project # : 93E1163.1 ATI I.D.: 403290
Project Name: LMRV

Analysis	Technique/Description
EPA 6010 (CADMIUM)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (CHROMIUM)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (LEAD)	INDUCTIVELY COUPLED ARGON PLASMA

Analytical Technologies, Inc.

METALS RESULTS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D.: 403290
Project Name: LMRV

Sample #	Client ID	Matrix	Date Sampled	Date Received
2	DRUM B-4/TCLP 01	TCLP EXTRACT	18-MAR-94	18-MAR-94

Parameter	Units	2
CADMIUM	MG/L	<0.005
CHROMIUM	MG/L	<0.01
LEAD	MG/L	<0.03

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

DUP/MS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 403290
Project Name: LMRV

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
CADMIUM	403290-02	MG/L	<0.005	<0.005	0	1.98	2.00	99
CHROMIUM	403290-02	MG/L	<0.01	<0.01	0	1.93	2.00	97
LEAD	403290-02	MG/L	<0.03	<0.03	0	1.99	2.00	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 403290
Project Name: LMRV

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
CADMIUM	45207	MG/L	<0.005	1.95	2.00	98
CHROMIUM	45207	MG/L	<0.01	1.91	2.00	96
LEAD	45207	MG/L	<0.03	1.97	2.00	99

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

ACCESSION #: 403290

INITIALS: LJ

SAMPLE CONDITION UPON RECEIPT CHECKLIST (FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)			
1	Does this project require special handling according to NEESA Levels C, D, AFOEHL or CLP protocols? If yes, complete a) thru c) a) Cooler temperature _____ b) pH sample aliquoted: yes / no / n/a c) LOT #'s: _____	YES	(NO)
2	Are custody seals present on cooler?	YES	(NO)
	If yes, are seals intact? N/A	YES	NO
3	Are custody seals present on sample containers?	(YES)	NO
	If yes, are seals intact?	(YES)	NO
4	Is there a Chain-Of-Custody (COC)*?	(YES)	NO
5	Is the COC* complete? Relinquished: (yes)/no Requested analysis: (yes)/no	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: (yes)/no Sample ID's: (yes)/no Date sampled: (yes)/no Matrix: (yes)/no # containers: (yes)/no	(YES)	NO
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Cooler temperature: 7.6°C		
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? (N/A)	YES	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: Sample Jar Sealed with black electrical Tape.

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted: _____

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

AnalyticalTechnologies, Inc.

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

Chain of Custody

DATE 3/18/94 PAGE 1 OF 1

PROJECT MANAGER: B. Pulver
COMPANY: EBS
ADDRESS: 8799 Balboa, Suite 290
San Diego CA 92123

BILL TO: Above
COMPANY:
ADDRESS:

SAMPLERS: (Signature) (619) 571-5200 PHONE NUMBER

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID
Drum B-4	3/18/94		Soil	01

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

Petroleum Hydrocarbons 418.1	Oil and Grease 413.2	Gasoline (MOD 8015/DOHS)	Diesel (MOD 8015/DOHS)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm(water), 50ppm(Soil)	MOD 8015 (Unknown)	BTXE (8020)	Chlorinated Hydrocarbons (8010)	Aromatic Hydrocarbons (8020)	Chlorinated/Aromatic Hydrocarbons (8010/8020)	Organic Pb	Pesticides/PCB (8080)	Base/NEU/Acid Cmpds GC/MS (8270)	Volatile Cmpds GC/MS (8240)	Polynuclear Aromatic (8310)	CCR Metals	Priority Pollutant Metals	X TCLP - Chrom, Lead, Selenium								Number of Containers
1L (H2SO4)/100g	1L (H2SO4)/100g	4 oz (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	500ml/50g	1L/50g	1L/100g	2X40ml (HCl)/100g	1L/100g	500ml/100g	500ml/100g									
																	X								1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NUMBER: 93E1163.1	TOTAL NUMBER OF CONTAINERS	1
PROJECT NAME: LMRV	CHAIN OF CUSTODY SEALS Y/N/NA	Y
PURCHASE ORDER NUMBER:	SEALS INTACT? Y/N/NA	Y
VIA:	RECEIVED GOOD COND/COLD	Y/Y
TAT: ☐24HR ☐48HRS ☐72HRS ☒1WK ☐2WK	LAB NUMBER 403290	

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 3:30	Signature: Time: 7:30	Signature: Time:
Printed Name: Date: Barry Pulver 3/18/94	Printed Name: Date: Chris Sylvester 3/18/94	Printed Name: Date:
Company: EBS	Company: EBS	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time: 7:35	Signature: Time:	Signature: Time:
Printed Name: Date: Chris Sylvester 3/18/94	Printed Name: Date:	Printed Name: Date: Lisa Jenkins 3-18-94
Company: EBS	Company:	Analytical Technologies, Inc.

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

GROUNDWATER BATCH DISCHARGE AUTHORIZATION REQUEST

Return to: Industrial Waste Program
2799 Caminito Chollas, M.S. 48
San Diego, Ca 92105
Phone (619) 527-7600
Fax (619) 527 7675

CITY OF SAN DIEGO
METROPOLITAN WASTEWATER DEPARTMENT
Industrial Waste Pretreatment Program

Groundwater Batch Discharge Authorization Request

Mailing Information

Attention: Steven Tousdale

Company: Environmental Business Solutions

Street: 8799 Balboa Av. Suite 290

City: San Diego State: CA Zip: 92123

APPROVED
INDUSTRY
DATE 4/11/94

Facility Information

Facility Contact: Steven Tousdale Title: Asst. Staff Geologist

Phone: 571-5500 Fax: 571-5357

Facility Name: La Mesa R.V. Center

Facility Address: 7601 Alvarado Road, La Mesa CA 92041

Billing Address (if different):

Wastewater Information

Describe process generating wastewater: Purged groundwater from three groundwater monitoring wells

List known and suspected contaminants: Non-detect for Benzene, Toluene, Ethylbenzene, Xylenes and Total Petroleum Hydrocarbons

Describe any wastewater pretreatment methods used: N/A

Volume of wastewater to be discharged: Approx. 400 Gallon Flow 25 gal/min

Description of discharge point, include address and map as needed: Sewer hook-up used for Recreational Vehicle Sewage Holding Tank clean out

Proposed Date(s) of Discharge: 4-11-94 Time: 9:00 am

Lab Analysis

Attach a copy of lab analysis. For hydrocarbon only contaminated sites, analysis must include: Oil & Grease for TPH, Total Lead, Benzene, and Flash Point. For sites with contamination other than hydrocarbons, please contact the Industrial Waste Program for guidance prior to having the analysis performed. *Samples used for analysis must be representative of the wastewater to be discharged.*

Approval does not relieve the discharger of obligations regarding compliance with any and all applicable local, State, and Federal pretreatment standards or hazardous waste disposal requirements including any such standards or requirements that may become effective after the issuance of approval.

Signature [signature] Date 4-11-94

* ACTI . REPORT *

3 EBS. INC.

MODE	CONNECTION TEL	CONNECTION ID	USAGE T	PAGES
RX G3	619 527 7675	MWWD Ind Waste	00'57	01(00)

NON-HAZARDOUS WASTE DATA FORM

№ 5311

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME La Mesa RV Center

ADDRESS 7601 Alvarado Road

CITY, STATE, ZIP La Mesa, Ca 91941

EPA I.D. NO E.B.S.

PHONE (619) 462-5660

CONTAINERS: No. 15 VOLUME 4.05 yards WEIGHT 13,000

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☒ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil

GENERATING PROCESS Drilling

COMPONENTS OF WASTE	PPM	#	COMPONENTS OF WASTE	PPM	#
1. soil		100%	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME ALTERNATIVE DISPOSAL, INC.

EPA I.D. NO CAD982525024

ADDRESS 2674 Via Alicia

SERVICE ORDER NO.

CITY, STATE, ZIP Fallbrook, CA 92028

PICK UP DATE 04-21-94

PHONE NO. 619-723-5871

TRUCK UNIT I.D. NO. 440301

Kent Phillips 04-21-94

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Pan-Rob, Inc.

EPA I.D. NO AZ[illegible]

ADDRESS P.O. Drawer G

DISPOSAL METHOD ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP Joseph City, Az 86032

PHONE NO. (602) 288-3605

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/CD		HWDF NONE

DISCREPANCY

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO

RE[illegible]ED
MAY 3 2 57 PM '94
HEA[illegible]DES

April 30, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of March 30, 1994.

On April 21, 1994 Environmental Business Solutions accomplished removal and disposal of the soil cuttings and purge water, which has been temporarily stored on site, after obtaining all necessary permits. We expect that a report of those activities will be prepared by E.B.S. and we will provide a copy to SA/M with our next report.

Additionally, at your request, we will continue to provide periodic status update reports on a thirty-day reporting schedule pursuant to Title 23, C.C.R. § 2652. Accordingly, our next report will be due May 30, 1994.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO

March 30, 1994

4-5: ✓ FILE, START REVIEW (Z32, 2.0)

HAND DELIVERED

(Z32, 1.8) 1-17-95. RE-REVIEWED FILE, START RPT. REVIEW, DISCUSSED W/ MP.
- GW. @ 45-9 ft. BG.
- GRADIENT .08 TO WEST.
- STADIUM CONGLOMERATE - SILTY GRAVEL, CLAYEY SAND.
- TALK TO MP. ABOUT HIS CHEVRON SITE NEXT-DOOR. H12687-001 (7651 ALVARADO)

1-18-95 CONTINUE REVIEW
- NEED SOIL ( ) CONTOUR MAP
- " EST. OF R, MAX. ( ), VOL. STILL IN-PLACE.
- SOME AREAS OF ADDNL. DELIN.
- MORE GW-SAMPLING - INCLUDE TRPH.
- EXCAVATED/BACKFILLED—?
- DISCUSS W/ MP. → LOOK FOR PATHS IN GW. TOO.

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report (Z32, 3.5)

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of February 28, 1994. (Z90, 2.0)
- FINISH REVIEW
- START LTR.

Enclosed please find a full report of site assessment activities prepared by Environmental Business Solutions, as you required. This report contains all information necessary to constitute our 30-day status report.

Additionally, at your request, we will continue to provide periodic status update reports on a thirty-day reporting schedule pursuant to Title 23, C.C.R. § 2652. Accordingly, our next report will be due April 30, 1994.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

Enclosure

cc: Vincente R. Rodriguez, RWQCB w/encl.
James Buckner, La Mesa RV w/encl.
Daniel Johnson, EBS, Inc. w/o encl.

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER: (619) 699-2418

RECEIVED
MAR 1 12 49 PM '94
ENVIRONMENTAL
HEALTH SERVICES

February 28, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of January 28, 1994.

The drilling and installation of wells, pursuant to the approved workplan for additional site assessment activities prepared by Environmental Business Solutions with your suggested changes, was completed as scheduled on February 10 and 11, 1994. Additionally, samples of groundwater were taken and tested on February 18, 1994. Preliminary test results indicate that groundwater is not impacted.

We will submit a full report of site assessment activities, as required, on or before March 30th.

Additionally, at your request, we will continue to provide periodic status update reports on a thirty-day reporting schedule pursuant to Title 23, C.C.R. § 2652. Accordingly, our next report will accompany the site assessment report.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

C:\DMS\SLM.DIR\0122523.WP

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER: (619) 699-2418

RECEIVED
FEB 2 10 40 AM '94
ENVIRONMENTAL
HEALTH SERVICES

January 28, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of December 29, 1993.

The drilling and installation of wells, pursuant to the approved workplan for additional site assessment activities prepared by Environmental Business Solutions with your suggested changes, is scheduled to take place February 10 and 11, 1994.

Your December 9, 1993 letter required a report to be submitted not later than January 30, 1994 to SA/M and the Regional Water Quality Control Board. On January 6, 1994 you telephonically approved our request that this date be extended an additional sixty days to March 30, 1994. We will submit a full report of site assessment activities on or before March 30th.

Additionally, at your request, we will continue to provide periodic status update reports on a thirty-day reporting schedule pursuant to Title 23, C.C.R. § 2652. Accordingly, our next report is due Feb. 28, 1994.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

C:\DMS\SLM.DIR\0122523.WP

7601 Alvarado Road / Post Office Box 1670 / La Mesa, CA 91944-1670 / (619) 462-5660

LA MESA RV CENTERS
World's Largest RV Dealer.

May 25, 1995

Ms. Carol Spangenberg
Site Assessment & Mitigation Division
County of San Diego
Department of Environmental Health
P.O. Box 85261
San Diego, CA 92186-5261

Re: 7601 Alvarado Road, La Mesa, CA
Permit HO 2651-001

Dear Ms. Spangenberg:

Please release information regarding our address to Mr. Michael Habib, Tomaski Investment Properties, 9332 Fuerte Drive, La Mesa, CA 91941.

We understand that any meetings you have with him will be billed to us, as well as time used preparing for any meetings and photocopy charges, if any.

If there are any questions, please contact me at 462-5660, Fax #462-5328.

Sincerely,

Jim Buckner
Director of Fixed Operations

JB:ac

cc: Michael Habib

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

May 23, 1995
Project Number: 93E1163.1

Ms. Carol Spangenberg
Site Assessment and Mitigation Division
County of San Diego
Department of Environmental Health
P.O. Box 85261
San Diego, California 92186-5261

RE: Well Purging/Sampling Logs for the La Mesa RV Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Ms. Spangenberg:

As you requested, please find enclosed copies of the Well Purging/Sampling Logs for the above-referenced Site. The Logs are for wells MW-1, MW-2, and MW-3, which were sampled on March 28, 1995.

Should you have any questions regarding these documents, please call us at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Stephen W. Blanchard
Staff Hydrogeologist

Enclosures

SB2/1163trns.deh

8799 Balboa Avenue • Suite 290 • San Diego, California 92123 • Tel. (619) 571-5500 • Fax (619) 571-5357

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 73E1163.1	Well No.: MW-1
Site Address: 7601 Alvarado Road, La Mesa	Date: 3/28/95	By: CEH

PURGING DATA

DTW: 7.65	Casing Dia.: 4"	Time purging started: 1400	Vol. purged: 7 gal
DTB: 15.05	Borehole Dia.: 8"	Time purging ended: 1407	Measured by:
SZ: 7.4	Depth to screen:	Purging method: bailer	DTW_p: —

Borehole volume: BV = SZ x f = 7.4 x 1.1 = 8.1 gallons x 3 = _____ gallons

$DTW_\beta = DTW_p - [(DTW_p - DTW) \times 0.8] = 14.2 - [(14.2 - 7.65) \times 0.8] = 8.95$

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
1407		14.2		well dry. 4630 (cond.) / 75 (temp) / 7.60 (pH)
1607		13.01	NO	sampled

SAMPLING DATA

Sample No. MW-1	Date: 3/28/95	Time: 1607
Lab: ATI	COC #:	How delivered: vehicle
Vials: 7	Preservation: various	Tests: TRPH, TPH, BTEX, PAH

Notes:
DTW = Depth to water DTW_p = DTW after purging DTW_{80} = DTW at 80% recharge
DTW = Depth to bottom SZ = Saturated volume
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: ~~1.5~~ 1.1

WELL NO. MW-1

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93E1163.1	Well No.: MW-2
Site Address: 7601 Alvarado Road, La Mesa	Date: 3/28/95	By: CEH

PURGING DATA

DTW: 8.28	Casing Dia.: 4"	Time purging started: 1410	Vol. purged: 7 gal
DTB: 15.03	Borehole Dia.: 8"	Time purging ended: 1415	Measured by:
SZ: 6.75	Depth to screen:	Purging method: bailer	DTW_p: —

Borehole volume: BV = SZ x f = 6.75 x 1.1 = 7.4 gallons x 3 = _____ gallons

$DTW_{.8} = DTW_p - [(DTW_p - DTW) \times 0.8] = [14.25 - [(14.25 - 8.28) \times 0.8] = 9.47$

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
1415		14.25		well dry. 4940 cond. / 68.9 Temp. / 6.87 pH
1615		12.52	no	sampled

SAMPLING DATA

Sample No. MW-2	Date: 3/28/95	Time: 1615
Lab: ATL	COC #:	How delivered: vehicle
Vials: 7	Preservation: various	Tests: TRPH, TPH, BTEX, PAH

Notes:
DTW = Depth to water DTW_p = DTW after purging DTW_{80} = DTW at 80% recharge
DTW = Depth to bottom SZ = Saturated volume
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: ~~1.5~~ 1.1

WELL NO. MW-2

8799 Balboa Avenue • Suite 290 • San Diego, California 92123 • Tel. (619) 571-5500 • Fax (619) 571-5357

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93E1163.1	Well No.: MW-3
Site Address: 7601 Alvarado Road, La Mesa	Date: 3/28/95	By: CEH

PURGING DATA

DTW: 4.56	Casing Dia.: 4"	Time purging started: 1420	Vol. purged: 10 gal.
DTB: 14.71	Borehole Dia.: 8"	Time purging ended: 1425	Measured by:
SZ: 10.15	Depth to screen:	Purging method: bailer	DTW_p: —

Borehole volume: BV = SZ x f = 10.15 x 1.1 = 11.2 gallons x 3 = _____ gallons

$DTW_{.8} = DTW_p - [(DTW_p - DTW) \times 0.8] = 13.9 - [(13.9 - 4.56) \times 0.8] = 6.43$

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
1425		13.9		welldry. 3740 cond. / 69.7 Temp. / 6.86 pH
1625		11.93	No	sampled

SAMPLING DATA

Sample No. MW-3	Date: 3/28/95	Time: 1625
Lab: ATI	COC #:	How delivered: vehicle
Vials: 7	Preservation: various	Tests: TRPH, TPH, BTEX, PAH

Notes:
DTW = Depth to water DTW_p = DTW after purging $DTW_{.80}$ = DTW at 80% recharge
DTW = Depth to bottom SZ = Saturated volume
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: ~~1.5~~ 1.1

WELL NO. MW-3

RECEIVED
MAY 25 2 39 PM '95
ENVIRONMENTAL
HEALTH SERVICES

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

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MAY 16 1 59 PM '95
ENVIRONMENTAL HEALTH SERVICES

May 11, 1995
Project Number: 93E1163.1

Mr. Toby Shipley
Industrial Waste Program
9192 Topaz Way
San Diego, California 92123-1119

RE: Disposal of Groundwater Monitoring Well Purge Water at the Property Located at 215 East Main Street, El Cajon, California (Site)

Dear Mr. Shipley:

On May 9, 1995, EBS disposed of approximately 24 gallons of groundwater monitoring well purge water at the Site. This purge water was discharged to the sewer in accordance with the approved Groundwater Batch Discharge Authorization (enclosed).

If you have any questions regarding this matter, please contact us at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG
Principal

Charles E. Houser, RG
Senior Staff Geologist

CEH4/93E11631.ltr

cc: James Buckner, La Mesa RV
Carol Spangenberg, SAM
Enclosures

8799 Balboa Avenue • Suite 290 • San Diego, California 92123 • Tel. (619) 571-5500 • Fax (619) 571-5357

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

RECEIVED
MAY 1 5 09 PM '95

TRANSMITTAL LETTER

TO: Ms. Carol Spangenberg
Site Assessment and Mitigation Division
County of San Diego
Department of Environmental Health
P.O. Box 85261
San Diego, California 92186-5261

Date: May 1, 1995
Project Number: 93E1163

SITE: La Mesa RV, Inc., 7601 Alvarado Road, La Mesa , California

ENCLOSED PLEASE FIND:

Quarterly Groundwater Monitoring Report for the First Quarter 1995 and Workplan Describing Additional Site Assessment Activities

Should you have any questions regarding this transmittal, please call the undersigned at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Stephen W. Blanchard

Enclosure

8799 Balboa Avenue • Suite 290 • San Diego, California 92123 • Tel. (619) 571-5500 • Fax (619) 571-5357

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

H 02651-001

May 1, 1995
Project Number: 93E1163.1

Copy No. ____

Mr. James Buckner
La Mesa RV, Inc.
c/o Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 W. Broadway, Suite 2600
San Diego, California 92101

RE: Quarterly Groundwater Monitoring Report for the First Quarter 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa RV Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Mr. Buckner:

Environmental Business Solutions, Inc. (EBS) is pleased to present this Quarterly Groundwater Monitoring Report for the first quarter 1995 pursuant to the requirements of the SAM for the above-referenced Site (Figure 1). The work described in this report was conducted in general accordance with the Scope of Services Change Number 4 to Exhibit "1" to the Consulting Agreement (Contract) between EBS and La Mesa RV, Inc. (Client). The Contract was fully executed on February 3, 1994.

EBS has prepared this written workplan which is intended to satisfy the requirements of the SAM prior to performing an additional soil investigation at the Site. This workplan describes the Site background, the procedures to be followed during the field investigation, the type of laboratory analyses to be performed on soil samples, and the type of report to be prepared.

BACKGROUND

The following background information is from previously reported data and reports prepared by others and by EBS. Four underground storage tanks (USTs) of various capacities were recently removed from the Site. The USTs stored new oil, used oil, and gasoline. The USTs were located immediately to the west and south of a service bay building at the Site (Figure 2). The four USTs consisted of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

The USTs were removed in February 1988 by Alm Services (Alm). The "Abandoned Underground Tank Report" prepared for the Site by the county inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs' removal, although groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Correspondence from Alm to the County of San Diego in March 1988 indicates that six soil samples from the UST excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May 1988, Alm was reported to have collected an additional three samples from the new and used oil UST excavation. Detectable concentrations of TRPH were found in each of the three samples.

In March 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted a multi-day exploratory excavation program at the Site. Approximately 400 cubic yards of soil was excavated from the former vicinity of the USTs. Numerous confirmation samples were collected during the excavation program (Figures 2 and 5). Confirmation samples indicated that soil with concentrations of both TPH and TRPH remains in the vicinity of the excavation.

In February 1994, subsequent to the approval of a workplan, EBS conducted a soil and groundwater investigation at the Site. During this investigation, 11 soil borings were drilled, 3 of which were converted to groundwater monitoring wells MW1, MW2, and MW3 (Figure 2). Portions of the borings were drilled using air percussion drilling methods. To reduce the potential for aeration effects from the circulation of air down the boring during drilling, samples were collected with a split-spoon sampler driven 12 to 18 inches ahead of the bit, and only the lowermost sample tube was submitted to the laboratory for analysis to improve the likelihood that the sample was representative of the subsurface conditions.

Based on the soil sample results, the horizontal extent of gasoline-bearing and diesel-bearing soil was interpreted to be generally limited to the immediate vicinity of the former UST excavation, and to a maximum depth of approximately 15 feet below grade. The horizontal extent of TRPH-bearing soil was concluded to generally have been assessed, and was interpreted to extend a maximum of approximately 30 feet downgradient from the former oil USTs. Groundwater was detected in the wells at depths ranging from approximately 5 to 8 feet below grade, and was interpreted to be perched water. Groundwater sample results were reported to be below laboratory detection limits for TPH as gasoline (TPH_g) and as diesel (TPH_d), and for benzene, toluene, ethylbenzene, and total xylenes (BTEX).

GROUNDWATER MONITORING CONDUCTED BY ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

On March 28, 1995, EBS personnel monitored the wells at the Site. Depth-to-water measurements were taken, and the potential presence of free floating product was monitored with an electronic interface probe with a manufacturer's reported accuracy of 1/100 of a foot. Free floating petroleum product was not detected in any of the three wells nor observed in a clear bailer lowered in the wells. The locations and elevations of the wells were previously surveyed by Hopwood Surveying, a licensed surveyor.

As shown on the attached Table 1, shallow groundwater was encountered at depths ranging from approximately 4.5 to 8 feet below grade. Based on the depth-to-groundwater measurements and the information from the licensed surveyor, a groundwater flow direction for the Site was estimated by solving a three-point problem. The shallow groundwater is interpreted to generally flow towards the west (Figure 3) with a gradient of approximately 0.07. The estimated groundwater flow direction and gradient are consistent with the previous groundwater flow direction estimated by EBS.

After being monitored, each well was prepared for sampling by the removal of approximately 1 borehole volume of water with a bailer. All three wells were interpreted to be slow-recharging wells. Sampling equipment was cleaned between wells with a soapy water wash and a tap water rinse. Purged water from the wells was placed in drums, labeled, and left on-site. Approximately 24 gallons of purged groundwater

was generated. EBS is in the process of obtaining permission to dispose of the purged water to the sanitary sewer. Samples were collected approximately 2 hours after purging was completed. The water samples were collected with a single-use disposable bailer. Groundwater samples were decanted into volatile organics analysis (VOA) vials, capped with Teflon-lined caps, sealed, labeled, and placed on ice. The samples were delivered to Analytical Technologies, Inc. (ATI), a state-certified hazardous waste laboratory, under chain-of-custody protocol.

The samples were tested for the following:

- TRPH in general accordance with EPA Method 418.1;
- TPH_g and TPH_d in general accordance with modified EPA Method 8015 (California Department of Health Services Method);
- BTEX and methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020; and
- Polynuclear aromatic hydrocarbons (PAHs) in general accordance with EPA Method 8310.

The laboratory results from ATI indicated that TPH_g, TPH_d, BTEX, and PAHs were not detected. TRPH was detected in all three groundwater samples. TRPH concentrations were reported to range from 410 to 1,000 micrograms/liter (µg/l). Table 2 presents the latest and historical groundwater sampling results, and Figure 4 illustrates the latest groundwater sampling results. The laboratory report is included in the attached Appendix.

WORKPLAN

It is our understanding, based on review of a letter issued by the SAM on February 7, 1995, that the SAM has requested additional assessment of the vertical and horizontal extent of petroleum hydrocarbon-bearing soil.

The program described in this proposed workplan has been designed in general accordance with the requirements of the SAM, the data gathered and interpreted in preparing this workplan, as well as our professional judgment and experience in this type of investigation.

Objective

The objective of this proposed scope of services is to:

- Further assess the extent of petroleum hydrocarbon-bearing soil in the vicinity of the former gasoline and new and used oil USTs at the Site.

Scope of Services

The scope of services that will be used to meet the objective includes the following Phases:

Phase I **Preparation of a Workplan and Site Health and Safety Plan, Preparation of Soil Boring Permits, Subcontractor Management and Scheduling, and Utility Search and Mark Out**

EBS has prepared this written workplan which is intended to satisfy SAM requirements. This workplan is intended to describe the field procedures to be followed in the field investigation, including the type of laboratory analyses to be performed on the soil samples, and soil sample collection methods. This workplan includes the proposed locations and rationale for additional soil borings and sample locations (Figure 5). The soil boring program has been designed to further assess the lateral and vertical extent of petroleum hydrocarbon-bearing soil in the vicinity of the former UST locations.

The existing health and safety plan for the Site will be revised to reflect the current work scope. A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120. Therefore, a health and safety plan will be prepared which will outline the potential chemical and physical hazards that may be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards will be detailed in this plan. EBS and contracted personnel involved with the proposed field work will be required to sign this document in order to encourage proper health and safety practices.

Because the soil borings are anticipated to intersect groundwater, soil boring permits will be prepared and submitted to the SAM with the appropriate fee. The permits will be signed by the appropriately licensed professional.

Prior to mobilizing for field work, EBS will notify and schedule the appropriate subcontractors including but not limited to, the laboratory, the drilling company, the surveyor, the concrete coring company, concrete masons, Underground Service Alert (USA), and the material supply company. In addition, before the soil borings are drilled, EBS will work with USA and a private underground utility search company to attempt to locate subsurface utilities and improvements at the Site to minimize the likelihood of drilling into an underground utility.

Phase II **Drilling and Sampling of Four Soil Borings**

Drilling of Four Soil Borings

Four soil borings will be drilled, logged, and sampled to depths of approximately 20 feet below grade, or until refusal is met. The borings will be drilled in the vicinity of the western and southwestern perimeter of the former excavation at the Site. The proposed locations of the borings have been designed to provide additional information about the possible migration of petroleum hydrocarbons west and northeast of the former USTs at the Site.

The following is a brief presentation of the rationale for soil boring locations. The proposed soil boring locations are illustrated on the attached Figure 5.

Soil Boring No.	Location/Rationale
B-7	Located west/northwest of soil sample GES-11 (3,300 mg/kg of TRPH) and well MW-1 (59 to 962 mg/kg of TRPH). To further assess the vertical and lateral extent and concentration of petroleum hydrocarbons downgradient from the above-mentioned soil sample/well locations.
B-8	Located west of soil sample OES-11 (16,000 mg/kg of TRPH) and boring B-1 (31 to 9,140 mg/kg of TRPH). To further assess the lateral and vertical extent of petroleum hydrocarbons downgradient from the above-mentioned soil sample/boring locations.
B-9	Located adjacent to borings B-1 and B-1A. To assess the vertical extent of petroleum hydrocarbons beneath the 15-foot sample in B-1A (433 mg/kg of TRPH).
B-10	Located southwest of soil samples OES-12 and OES-13 (18,000 and 23,000 mg/kg of TRPH, respectively). To further assess the vertical and lateral extent of petroleum hydrocarbons in the vicinity of the above-mentioned soil samples.

An additional soil boring to assess the vertical extent of petroleum hydrocarbons beneath the bottom of B-4 is not proposed. Soil boring B-4A is located approximately 5 feet from boring B-4 and had two soil samples collected from a greater depth than the bottom of B-4. Therefore, it is our opinion that this data may be used to assess the vertical extent of petroleum hydrocarbons beneath B-4.

The soil borings are anticipated to be drilled by using an air rotary rig with a dual-wall drilling system or with driven casing. This type of rig will be used due to the difficult drilling conditions encountered previously at the Site (colluvium and alluvium with abundant gravel and cobble). In addition, caving occurred in some of the borings, resulting in difficulties in collecting samples. Sample collection is anticipated to be more efficient if a dual-wall or driven casing system is used. A qualified, licensed drilling contractor will be selected at a later date.

We anticipate collecting soil samples from soil borings at approximately 5, 8, 10, 15 and 20 feet below grade and at interpreted significant lithologic changes. The 8-foot sample is intended to provide data at the interpreted water table, but its depth may vary depending on the boring location.

The soil borings will be backfilled with an approved grout. As required by San Diego County guidelines, either pre-steam washed augers or down-hole air percussion drilling equipment will be on-site or a steam cleaner will be on-site to steam wash the augers or down-hole air percussion drilling equipment between soil borings to minimize the likelihood of "cross-contaminating" the borings and to minimize the potential for a "false positive" in the soil samples analyzed. All soil cuttings generated from drilling will be placed in 55-gallon drums, which will be labeled and left on-site pending laboratory analysis results.

A California-registered geologist will be on Site to observe the drilling activity, and describe collected soil samples in general accordance with the United Soil Classification System. During the drilling of the soil borings, soil samples will be collected, when possible, with a split-spoon type or similar sampler. Soil samples will be driven into brass or stainless steel tubes. The tubes will be covered with Teflon sheeting,

tightly closed with end caps, and delivered immediately to an on-site mobile laboratory. The sample containers will be packed in ice-filled coolers. Chain-of-custody procedures will be implemented for sample tracking. A written analytical report will be provided by the laboratory upon the completion of the sample testing. Please note that based on previous drilling, Site conditions may not allow for the collection of drive samples. If this is the case, we will attempt to collect representative samples from the subsurface.

Sample Analyses

EBS will retain a mobile laboratory to conduct on-site analytical testing of soil samples. This way, should impacted soil extend further vertically or laterally than target depths or soil boring locations, additional soil samples can be collected while personnel and equipment are already mobilized at the Site. As many as four soil samples from each boring (including at least one sample collected from within the field-interpreted saturated zone) will be analyzed for TPH_g and TPH_d in general accordance with modified EPA Method 8015 (California Department of Health Services Method), and for TRPH in general accordance with EPA Method 418.1

In addition, the one soil sample with the highest reported TPH concentration per soil boring will be analyzed for BTEX in general accordance with EPA Method 8020. Based on previous soil sampling results for polychlorinated biphenyls (PCBs), chlorinated solvents, and total lead, analyses for other constituents are not proposed.

Phase III Data Evaluation, Figure and Table Preparation, Soil Boring Log Preparation, and Report Preparation

Based on the findings of the field investigation and laboratory results from the above scope of services and the historical findings provided by the Client, an assessment report (Report) will be written in general accordance with SAM guidelines. The Report will include laboratory reports, chain-of-custody documents, permits, illustrations reflecting the sampled subsurface, logs of the soil borings, tabulated analytical results, and appropriate support documentation. The Report will include a description of the work performed, discussion of the results, and our conclusions and recommendations as deemed appropriate. In addition, the report will include figures illustrating the extent of petroleum hydrocarbon-impacted soil and the ratio of TPH to TRPH concentrations, and an explanation of petroleum hydrocarbon distribution and migration, in general accordance with SAM guidance as presented in the letter to Mr. Buckner, dated February 7, 1995.

The Report will be peer reviewed and signed by a California Certified Engineering Geologist.

In addition to the above-described Report, in order to comply with the requirements of the soil boring permits, a "thirty day" report will be prepared and submitted to the SAM.

Estimated Schedule

We estimate that the total time necessary to complete the above phased scope of services is approximately 30 to 35 working days.

EBS appreciates the opportunity to provide you with a Quarterly Groundwater Monitoring Report and workplan on this important project. Should you have any questions regarding this letter, please contact the undersigned at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Daniel E. Johnson
Principal

Barry S. Pulver, CEG 1364
Principal

Stephen W. Blanchard
Staff Geologist

SB1/93E11631.wp2

cc: Carol Spangenberg, SAM
Joe McWalters, RWQCB

TABLES

TABLE 1

GROUNDWATER MONITORING RESULTS

WELL NUMBER	DATE	DEPTH TO WATER	DEPTH TO PRODUCT	TOC-ELEV	ELEV-GW
MW-1	3/28/95	7.65	***	97.93	90.28
MW-1	2/17/94	8.01	***	97.93	89.92
MW-2	3/28/95	8.28	***	98.53	90.25
MW-2	2/17/94	8.71	***	98.53	89.82
MW-3	3/28/95	4.56	***	98.89	94.33
MW-3	2/17/94	4.65	***	98.89	94.24

Notes:

1. All measurements in feet.
2. TOC-ELEV = Elevation of the top of casing in feet above mean sea level (msl). TOC-ELEV from survey performed by Hopwood Surveying on February 26, 1994.
3. ELEV-GW = Elevation of groundwater as measured in well in feet (msl).
4. *** = Product not encountered in well.

Table does not include all analytes referenced

TABLE 2

GROUNDWATER SAMPLE TEST RESULTS
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS, TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND DIESEL AND BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND MTBE

WELL NUMBER	SAMPLE DATE	TRPH (µg/l)	TPH_G (µg/l)	TPH_D (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)	MTBE (µg/l)
MW-1	3/28/95	410	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
MW-1	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
MW-2	3/28/95	1,000	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
MW-2	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
MW-3	3/28/95	950	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
MW-3	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---

Notes:

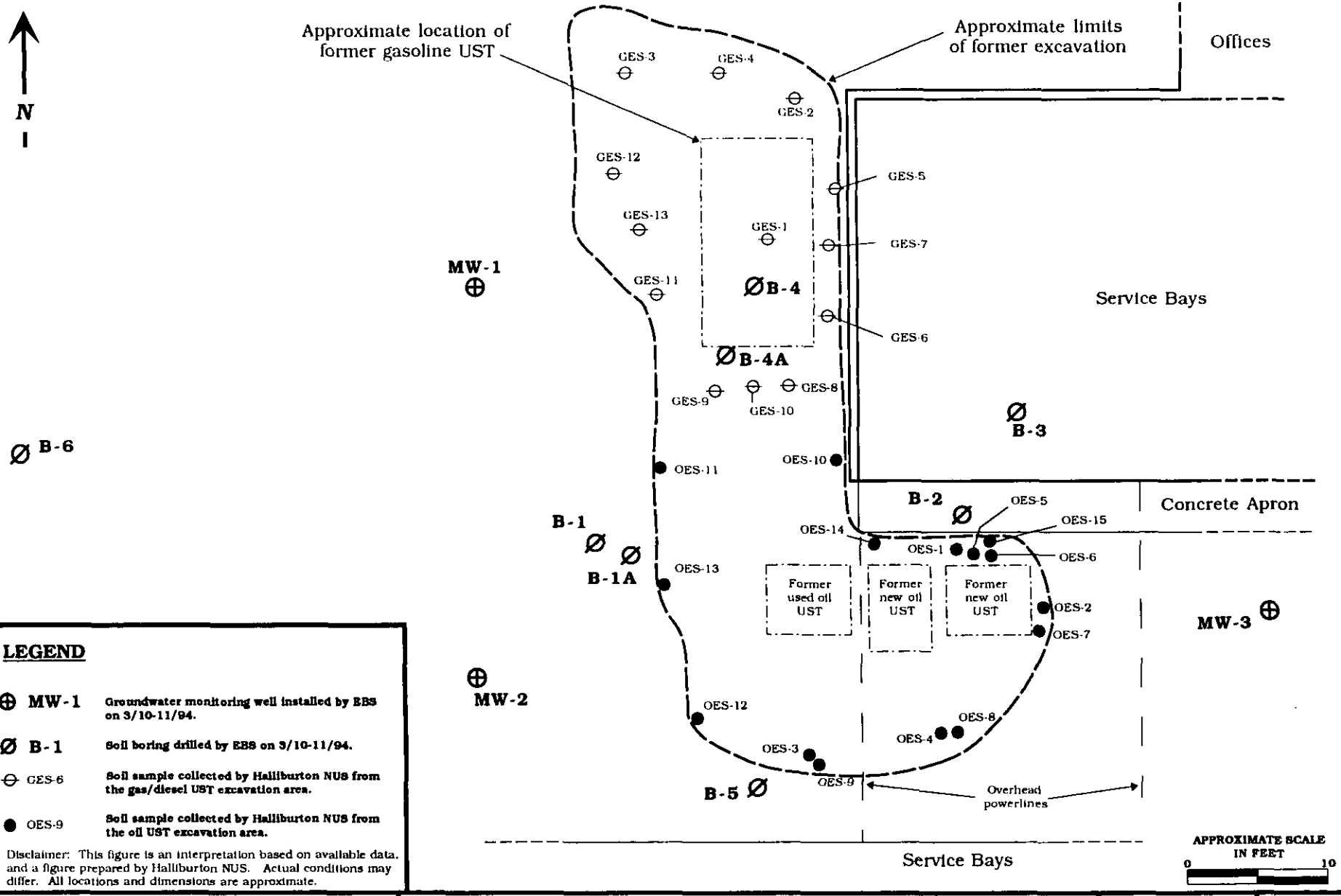
1. Samples collected on February 17, 1994, tested by Transglobal Environmental Geochemistry, and samples collected on March 28, 1995, tested by Analytical Technologies, Inc. Samples were tested for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_G) and as diesel (TPH_D) in general accordance with modified EPA Method 8015, and for benzene (B), toluene (T) ,ethylbenzene (E), total xylenes (X), and methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020.

2. --- = Sample not tested for corresponding constituent.

FIGURES



Environmental Business Solutions, Inc.	**Site Location Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1 **Figure 1**

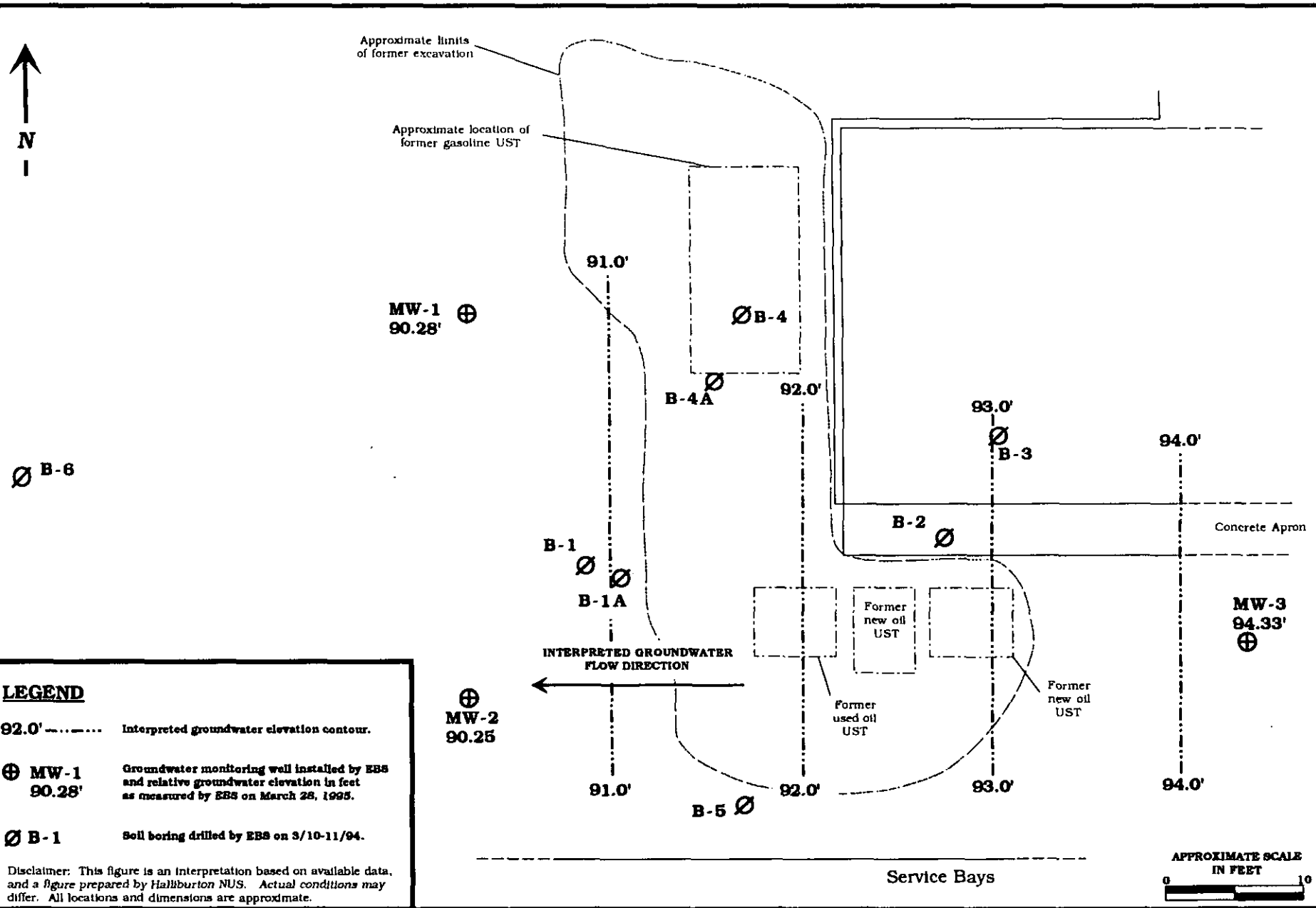


LEGEND

⊕ MW-1	Groundwater monitoring well installed by EBS on 3/10-11/94.
Ø B-1	Soil boring drilled by EBS on 3/10-11/94.
⊖ GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
● OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Site Plan** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 2



LEGEND

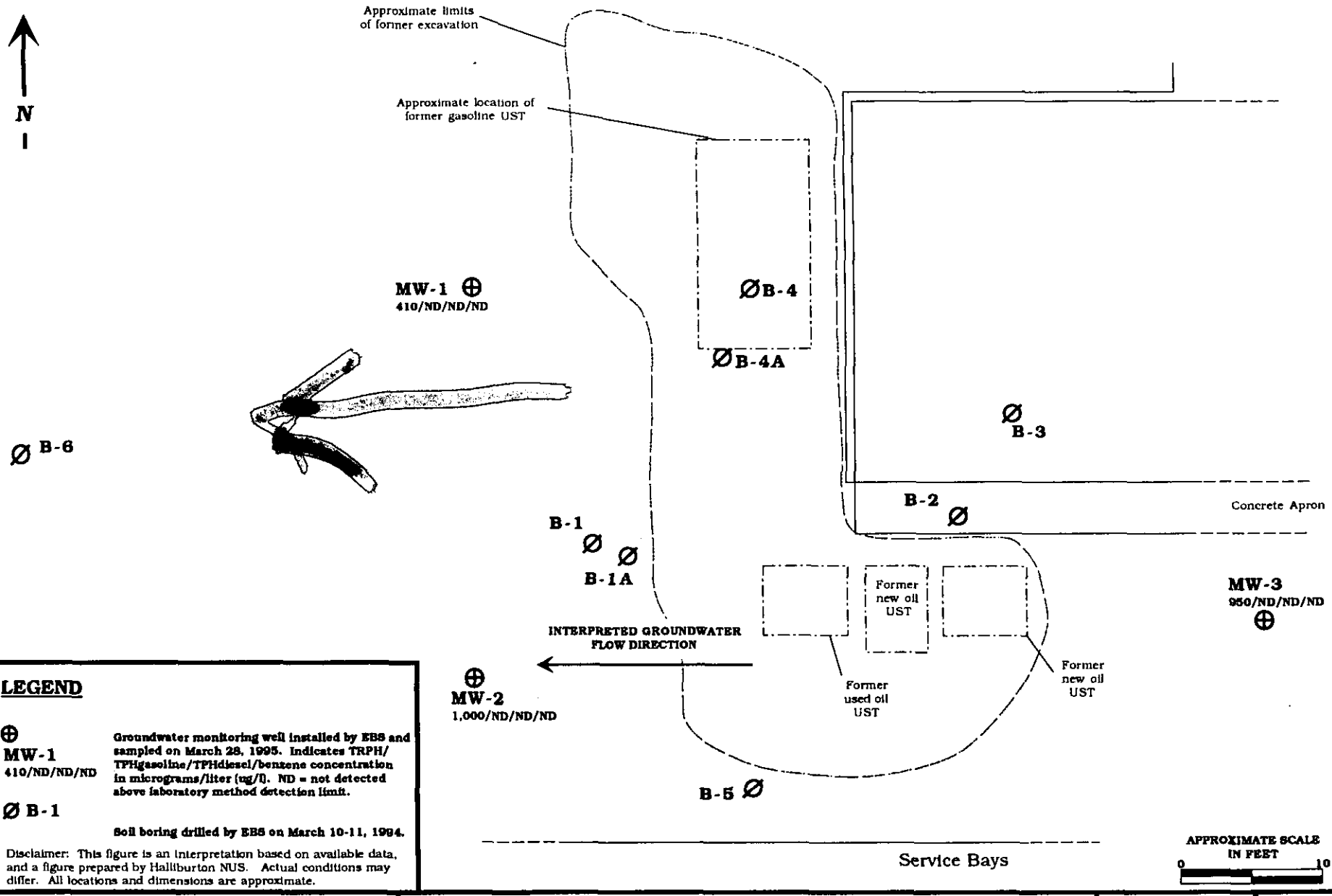
92.0' — Interpreted groundwater elevation contour.

⊕ MW-1 90.28' — Groundwater monitoring well installed by EBS and relative groundwater elevation in feet as measured by EBS on March 28, 1995.

Ø B-1 — Soil boring drilled by EBS on 3/10-11/94.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Groundwater Gradient Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 3



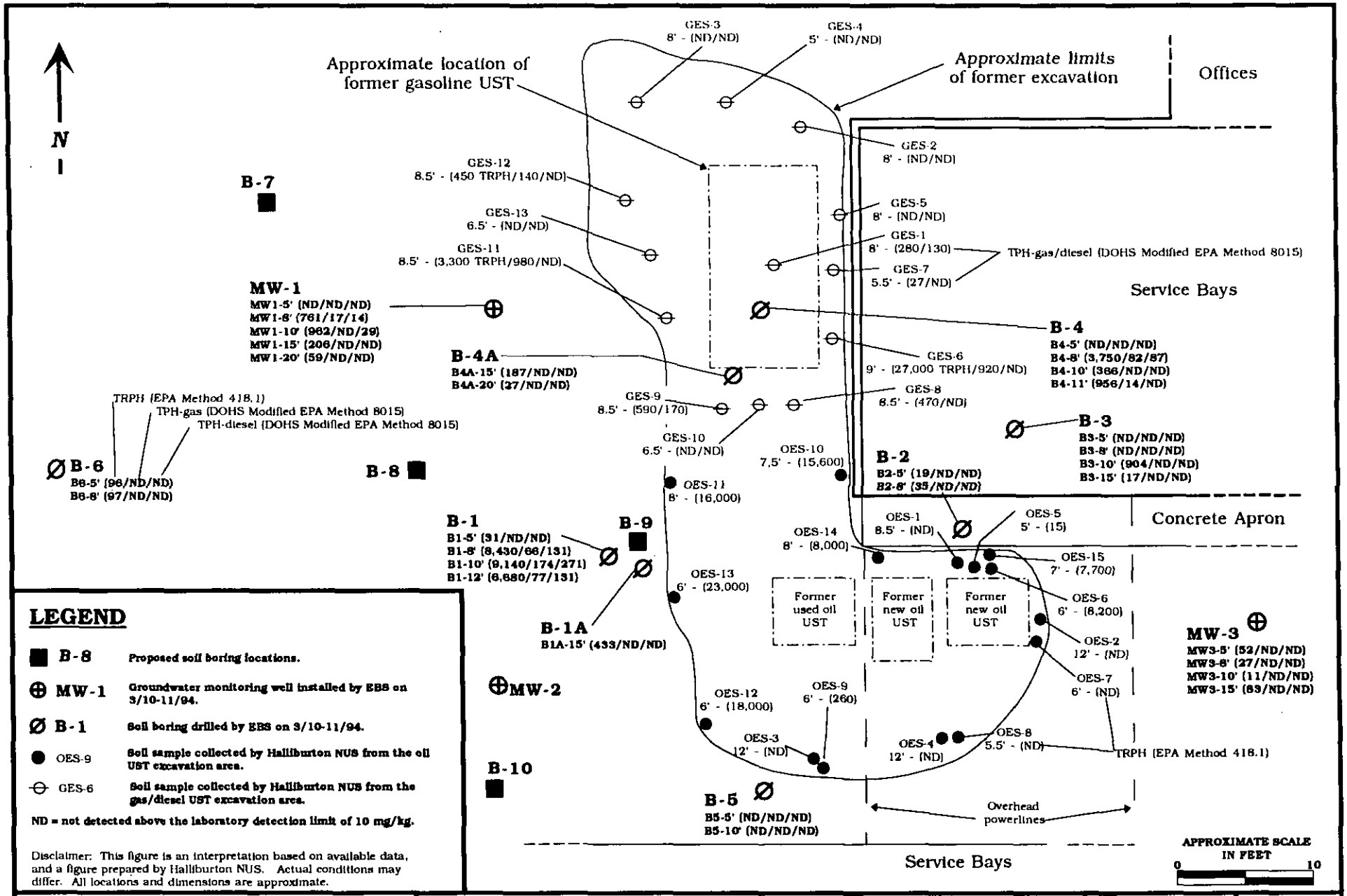
LEGEND

⊕ **MW-1** 410/ND/ND/ND — **Groundwater monitoring well installed by EBS and sampled on March 28, 1995. Indicates TRPH/TPHgasoline/TPHdiesel/benzene concentration in micrograms/liter (ug/l). ND = not detected above laboratory method detection limit.**

Ø **B-1** — **Soil boring drilled by EBS on March 10-11, 1994.**

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Groundwater Sample Results** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.1**	**Figure** **4**



LEGEND

- ■ B-8 — Proposed soil boring locations.
- ⊕ MW-1 — Groundwater monitoring well installed by EBS on 3/10-11/94.
- Ø B-1 — Soil boring drilled by EBS on 3/10-11/94.
- ● OES-9 — Soil sample collected by Halliburton NUS from the oil UST excavation area.
- ⊖ GES-6 — Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.

ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	Previous Soil Sample Test Results and Proposed Soil Borings La Mesa R.V. Center 7601 Alvarado Road La Mesa, California	Project No. 93E1163.1	Figure 5

APPENDIX

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

RECEIVED
APR 14 1995

ATI I.D.: 50334

April 12, 1995

ENVIRONMENTAL BUSINESS SOLUTIONS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

Project Name: LA MESA RV
Project # : 93E1163.1

Attention: CHUCK HOUSER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
March 28, 1995	4	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in th enclosed analytical schedule. The symbol for "less than" indicates a value below the reportab detection limit. If any flags appear next to the analytical data in this report, please see th attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that th Sample Condition Upon Receipt Checklist is included at the end of this report.

CHRISTOPHER MYERS
PROJECT MANAGER

ALAN J. KLEINSCHMIDT
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

Report Date: April 12, 1995
ATI I.D. : 503349

ATI #	Client Description	Matrix	Date Collected
1	MW-1	WATER	28-MAR-95
2	MW-2	WATER	28-MAR-95
3	MW-3	WATER	28-MAR-95
4	TRIP BLANK/(SDBTXE 1529)	WATER	28-MAR-95

---TOTALS---

Matrix	# Samples
WATER	4

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date this report. If an extended storage period is required, please contact our sample contr department before the scheduled disposal date.

What was the analysis date?

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D.: 5033

Analysis	Technique/Description
EPA 418.1 (PETROLEUM HYDROCARBONS)	INFRARED SPECTROMETER
EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)	GC/PHOTO IONIZATION DETECTOR
EPA 8310 (POLYNUCLEAR AROMATIC HYDROCARBONS)	HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)	GC/FLAME IONIZATION DETECTOR

Analytical Technologies, Inc.

analysis date?

GENERAL CHEMISTRY RESULTS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D.: 503

Sample #	Client ID	Matrix	Date Sampled	Date Receiv
1	MW-1	WATER	28-MAR-95	28-MAR
2	MW-2	WATER	28-MAR-95	28-MAR
3	MW-3	WATER	28-MAR-95	28-MAR

Parameter	Units	1	2	3
PETROLEUM HYDROCARBONS	MG/L	0.41	1.0	0.95

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 5033
Project Name: LA MESA RV

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
PETROLEUM HYDROCARBONS	503349-03	MG/L	0.95	1.0	5	5.3	5.0	87

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 5033
Project Name: LA MESA RV

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
PETROLEUM HYDROCARBONS	55491	MG/L	<0.20	4.3	5.0	86

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : EPA 8310 (POLYNUCLEAR AROMATIC HYDROCARBONS)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 503349
Project # : 93E1163.1
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	MW-1	WATER	28-MAR-95	04-APR-95	08-APR-95	1.00
2	MW-2	WATER	28-MAR-95	04-APR-95	08-APR-95	1.00
3	MW-3	WATER	28-MAR-95	04-APR-95	10-APR-95	1.00

Parameter	Units	1	2	3
NAPHTHALENE	UG/L	<0.50	<0.50	<0.50
ACENAPHTHYLENE	UG/L	<1.0	<1.0	<1.0
ACENAPHTHENE	UG/L	<1.0	<1.0	<1.0
FLUORENE	UG/L	<0.10	<0.10	<0.10
PHENANTHRENE	UG/L	<0.050	<0.050	<0.050
ANTHRACENE	UG/L	<0.050	<0.050	<0.050
FLUORANTHENE	UG/L	<0.10	<0.10	<0.10
PYRENE	UG/L	<0.10	<0.10	<0.10
BENZO(a)ANTHRACENE	UG/L	<0.10	<0.10	<0.10
CHRYSENE	UG/L	<0.10	<0.10	<0.10
BENZO(b)FLUORANTHENE	UG/L	<0.10	<0.10	<0.10
BENZO(k)FLUORANTHENE	UG/L	<0.10	<0.10	<0.10
BENZO(a)PYRENE	UG/L	<0.10	<0.10	<0.10
DIBENZO(a,h)ANTHRACENE	UG/L	<0.20	<0.20	<0.20
BENZO(g,h,i)PERYLENE	UG/L	<0.10	<0.10	<0.10
INDENO(1,2,3-cd)PYRENE	UG/L	<0.10	<0.10	<0.10
SURROGATES				
2-CHLOROANTHRACENE	%	80	82	84

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8310 (POLYNUCLEAR AROMATIC HYDROCARBONS)
Blank I.D. : 34960
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: 04-APR-95
Date Analyzed : 07-APR-95
Dil. Factor : 1.00

Parameters	Units	Results
NAPHTHALENE	UG/L	<0.50
ACENAPHTHYLENE	UG/L	<1.0
ACENAPHTHENE	UG/L	<1.0
FLUORENE	UG/L	<0.10
PHENANTHRENE	UG/L	<0.050
ANTHRACENE	UG/L	<0.050
FLUORANTHENE	UG/L	<0.10
PYRENE	UG/L	<0.10
BENZO(a)ANTHRACENE	UG/L	<0.10
CHRYSENE	UG/L	<0.10
BENZO(b)FLUORANTHENE	UG/L	<0.10
BENZO(k)FLUORANTHENE	UG/L	<0.10
BENZO(a)PYRENE	UG/L	<0.10
DIBENZO(a,h)ANTHRACENE	UG/L	<0.20
BENZO(g,h,i)PERYLENE	UG/L	<0.10
INDENO(1,2,3-cd)PYRENE	UG/L	<0.10
SURROGATES		
2-CHLOROANTHRACENE	%	86

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : EPA 8310 (POLYNUCLEAR AROMATIC HYDROCARBONS)
MSMSD # : 74632
Client : ENVIRONMENTAL BUSINESS SOLUTIONS

Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: 04-APR-95
Date Analyzed : 07-APR-95
Sample Matrix : WATER
REF I.D. : REAGENT WATER

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
ACENAPHTHYLENE	UG/L	<1.0	20	18	90	18	90	0
PHENANTHRENE	UG/L	<0.050	1.0	0.87	87	0.90	90	3
PYRENE	UG/L	<0.10	1.0	0.93	93	0.94	94	1
BENZO(k)FLUORANTHENE	UG/L	<0.10	1.0	1.0	100	0.99	99	1
DIBENZO(a,h)ANTHRACENE	UG/L	<0.20	2.0	1.9	95	1.9	95	0

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Resul

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 503349
Project # : 93E1163.1
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	MW-1	WATER	28-MAR-95	N/A	30-MAR-95	1.00
2	MW-2	WATER	28-MAR-95	N/A	30-MAR-95	1.00
3	MW-3	WATER	28-MAR-95	N/A	30-MAR-95	1.00

Parameter	Units	1	2	3
METHYL T-BUTYL ETHER	UG/L	<5.0	<5.0	<5.0
BENZENE	UG/L	<0.50	<0.50	<0.50
TOLUENE	UG/L	<0.50	<0.50	<0.50
ETHYLBENZENE	UG/L	<0.50	<0.50	<0.50
XYLENES (TOTAL)	UG/L	<1.0	<1.0	<1.0
SURROGATES				
TRIFLUOROTOLUENE	%	97	102	97

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 503349
Project # : 93E1163.1
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	TRIP BLANK/(SDBTXE 1529)	WATER	28-MAR-95	N/A	30-MAR-95	1.00

Parameter	Units	4
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
SURROGATES		
TRIFLUOROTOLUENE	%	97

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)
Blank I.D. : 34895
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: N/A
Date Analyzed : 30-MAR-95
Dil. Factor : 1.00

Parameters	Units	Results
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
SURROGATES		
TRIFLUOROTOLUENE	%	101

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)
MSMSD # : 74429
Client : ENVIRONMENTAL BUSINESS SOLUTIONS

Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: N/A
Date Analyzed : 30-MAR-95
Sample Matrix : WATER
REF I.D. : 503349-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	5.4	108	5.4	108	0
TOLUENE	UG/L	<0.50	5.0	5.4	108	5.3	106	2

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Resul

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) ATI I.D. : 503349
Blank Spike #: 55512 Date Extracted: N/A
Client : ENVIRONMENTAL BUSINESS SOLUTIONS Date Analyzed : 30-MAR-95
Project # : 93E1163.1 Sample Matrix : WATER
Project Name : LA MESA RV

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	5.4	5.0	108
TOLUENE	UG/L	<0.50	5.4	5.0	108

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 503349
Project # : 93E1163.1
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	MW-1	WATER	28-MAR-95	31-MAR-95	31-MAR-95	1.00
2	MW-2	WATER	28-MAR-95	31-MAR-95	31-MAR-95	1.00
3	MW-3	WATER	28-MAR-95	31-MAR-95	31-MAR-95	1.00

Parameter	Units	1	2	3
FUEL HYDROCARBONS	MG/L	<0.50	<0.50	<0.50
HYDROCARBON RANGE		C7-C14	C7-C14	C7-C14
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
FUEL HYDROCARBONS (SECOND RANGE)	MG/L	<0.50	<0.50	<0.50
HYDROCARBON RANGE (2ND)		C15-C24	C15-C24	C15-C24
HYDROCARBONS QUANTITATED USING (2ND)		DIESEL	DIESEL	DIESEL
SURROGATES				
BIS(2-ETHYLHEXYL)PHTHALATE	%	114	118	117

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank I.D. : 34901
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: 31-MAR-95
Date Analyzed : 31-MAR-95
Dil. Factor : 1.00

Parameters	Units	Results
FUEL HYDROCARBONS	MG/L	<0.50
HYDROCARBON RANGE		C7-C14
HYDROCARBONS QUANTITATED USING		GASOLINE
FUEL HYDROCARBONS (SECOND RANGE)	MG/L	<0.50
HYDROCARBON RANGE (2ND)		C15-C24
HYDROCARBONS QUANTITATED USING (2ND)		DIESEL
SURROGATES		
BIS(2-ETHYLHEXYL)PHTHALATE	%	121

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
MSMSD # : 74454
Client : ENVIRONMENTAL BUSINESS SOLUTIONS

Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: 31-MAR-95
Date Analyzed : 31-MAR-95
Sample Matrix : WATER
REF I.D. : 503349-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
FUEL HYDROCARBONS	MG/L	<0.50	10	7.7	77	8.3	83	8

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Resul

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank Spike #: 55530
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name : LA MESA RV

ATI I.D. : 503349
Date Extracted: 31-MAR-95
Date Analyzed : 31-MAR-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
FUEL HYDROCARBONS	MG/L	<0.50	11	10	110

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

ACCESSION #: [redacted]349 INITIALS: A.T.

ATI-SanDiego
SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NFESC Levels C, D, AFCEE or CLP protocols? If yes, complete a)and b) a) pH sample aliquoted: yes /no /na b) Either 1) Record Bottle Lot #'s: Or 2) Attach Sample Kit Request Form(s)	YES	(NO)
2	Number of Coolers Received If more than one cooler received attach Multiple Cooler Documentation Form (MCD) Indicate "see MCD"on Item 11 below	1	
3	Are custody seals required for this project ?	YES	(N/A)
	a) are Custody Seals present on Cooler(s) ?	YES	(NO)
	If yes, are seals intact ? (N/A)	YES	NO
	b) are Custody Seals present on the sample ?	YES	(NO)
	If yes, are seals intact ? (N/A)	YES	NO
4	Is there a Chain-Of-Custody (COC)* per cooler ? if not, if a problem is found indicate which samples/test were in the affected cooler on the MCD.	(YES)	NO
5	Is the COC* complete per cooler ? Relinquished: (yes)/no Requested analysis: (yes)/no	YES	NO
6	Is the COC* in agreement with the samples received? # Samples: yes/(no) Sample ID's: (yes)/no Date sampled: (yes)/no Matrix: (yes)/no # containers: yes/(no)	YES	(NO)
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.	2.3 °C	
	Is ice present in cooler?	(YES)	NO
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: * No Trip Blank Listed on C-O-C per Chris Myers added to C-O-C.

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted:

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

Analytical Technologies, Inc.

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

Chain of Custody

DATE 3/28/95 PAGE ____ OF ____

PROJECT MANAGER: Chuck Houser
COMPANY: Environmental Business Solutions
ADDRESS: 6799 Balboa Ave. Suite 290
San Diego, CA. 92123

BILL TO: Same as above
COMPANY:
ADDRESS:

SAMPLERS: (Signature) [signature] PHONE NUMBER (619) 571-5500

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

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons 418.1 (1L (H₂SO₄)/100g)	Oil and Grease 413.2 (1L (H₂SO₄)/100g)	Gasoline (MOD 8015/DOHS) (4 oz (HCl)/50g)	Diesel (MOD 8015/DOHS) (4 oz (HCl)/50g)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil) (2X40ml (HCl)/50g)	MOD 8015 (Unknown) (4 oz (HCl)/50g)	BTXE (8020) (2X40ml (HCl)/50g)	Chlorinated Hydrocarbons (8010) (2X40ml (HCl)/50g)	Aromatic Hydrocarbons (8020) (2X40ml (HCl)/50g)	Chlorinated/Aromatic Hydrocarbons (8010/8020) (2X40ml (HCl)/50g)	Organic Pb (500ml/50g)		Pesticides/PCB (8080) (1L/50g)	Base/NEU/Acid Cmpds GC/MS (8270) (1L/100g)	Volatile Cmpds GC/MS (8240) (2X40ml (HCl)/100g)	Polynuclear Aromatic (8310) (1L/100g)	CCR Metals (500ml/100g)	Priority Pollutant Metals (500ml/100g)		Number of Containers
MW-1	3/28/95	1607	Water	01	X		X	X			X									*			1 See Comment	
MW-2	↓	1615	↓	02	X		X	X			X									*			Section For	
MW-3	↓	1625	↓	03	X		X	X			X									*			Instructions	
Trip Blank a.t.				04							X												regarding 8310	
3/29/95																							analysis. !	

PROJECT INFORMATION	SAMPLE RECEIPT o.c. 3/29/95	
PROJECT NUMBER: 93E1163.1	TOTAL NUMBER OF CONTAINERS	2123
PROJECT NAME: La Mesa RV	CHAIN OF CUSTODY SEALS Y/N/NA	Y
PURCHASE ORDER NUMBER:	SEALS INTACT? Y/N/NA	Y
VIA:	RECEIVED GOOD COND/COLD	Y
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☐2WK	LAB NUMBER	503349

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments: * Run any and all samples with detectable concentrations of TRPH (418.1) for Polynuclear Aromatic Hydrocarbons by Method 8310 Cooler #136 = 2.3°C

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 2135	Signature: Time:	Signature: Time:
Printed Name: Chuck Houser Date: 3/28/95	Printed Name: Date:	Printed Name: Date:
Company: EBS	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: [signature] Time: 2135
Printed Name: Date:	Printed Name: Date:	Printed Name: Leon J Tucker Date: 3/28/95
Company:	Company:	Analytical Technologies, Inc.

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

LUCE, FORWARD, HAMILTON & SCRIPPS
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418

March 2, 1995

Ms. Carol Spangenberg
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
1255 Imperial Avenue
P.O. Box 82561
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center, 7601 Alvarado Rd., La Mesa, CA 92041

Dear Ms. Spangenberg:

I enjoyed talking with you on the telephone regarding this site and the additional work required by Lars Skinner's letter of February 7, 1995. During our telephone conversation you agreed to combine the dates for submission of a workplan and submission of the report of quarterly groundwater monitoring to be due on the same date, April 30, 1995. This will permit our consultant to have the groundwater monitoring data available for use in preparation of the workplan for further site work.

We thank you for your courtesy and cooperation.

Very truly yours,

Stephen L. Marsh

cc: Barry Pulver, E.B.S.
John Odermatt, R.W.Q.C.B.
James Buckner, La Mesa RV

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

July 18, 1996
Project Number: 94E1163.6

Ms. Carol Spangenberg
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

RE: Proposed Groundwater Monitoring Well Destruction Activities Performed Pursuant to the Approval of the San Diego County Site Assessment and Mitigation Division (SAM) at La Mesa R.V. Center, 7601 Alvarado Road, La Mesa, California

Dear Ms. Spangenberg:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter (Letter) regarding the proposed groundwater monitoring well destruction activities. Please find enclosed a copy of the well destruction permit that was submitted on July 12, 1996. We understand that Ms. Helen Dennin has approved the well destruction permit as of our conversation with her on July 15, 1996. The well destruction activities are scheduled for July 30, 1996. The wells will be destroyed in general accordance with SAM guidelines and the conditions of the approved well destruction permit. Cuttings and well destruction materials generated during the well destruction activities will be properly disposed of.

Lemon St 96161

In addition, on July 10, 1996, five soil drums were removed from the site and transported to Soil Wash Technologies, Inc. for treatment and disposal. A copy of the waste manifest is attached.

It has been a pleasure working with you on this project. If you have any questions or concerns, please do not hesitate to contact our office at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Steven R. Truesdale
Staff Geologist

Barry S. Pulver
Principal

ADH/93E11636.ltr
Enclosures

SOIL WASH TECHNOLOGIES, INC

CORPORATE HEADQUARTERS
215 North Marengo Avenue, Suite 110
Pasadena, California 91101-1501
Telephone: (818) 793-2435
Facsimile: (818) 568-1629
Contractor's License #680921

265-001

NON-HAZARDOUS MANIFEST

TO BE COMPLETED BY GENERATOR

NAME LA MESA RV CENTER CONTACT: JIM BUCKNER
ADDRESS 7601 ALVERADO ROAD PHONE NO. (619) 462-5880 x 250
CITY LA MESA STATE CA ZIP 92041
SITE ADDRESS: 7601 ALVERADO ROAD, LA MESA

CONTAINERS: No. 5 VOLUME/CY _____ WEIGHT/TONS _____
TYPE: ☐ TRANSFER TRUCK ☐ END DUMPTRUCK ☒ DRUMS ☐ ROLL-OFF ☐ OTHER _____
WASTE DESCRIPTION (eg. gasoline contaminated soil from leaking U.S.T.): NON-HAZARDOUS GASOLINE HYDROCARBON CONTAMINATED SOIL.

HANDLING INSTRUCTIONS: _____

SIGNATURE: [illegible] DATE 7/[illegible]
PRINT NAME & TITLE [illegible]

THE GENERATOR / AGENT CERTIFIES THAT THE WASTE IS NON-HAZARDOUS

TRANSPORTER

NAME SOIL WASH TECHNOLOGIES INC PURCHASE ORDER NO. # 265
ADDRESS 9310 FRIARS ROAD PICK UP DATE: 7-10-96
CITY SAN DIEGO STATE CA ZIP 92 TRUCK UNIT I.D. NO. _____
PHONE NO. (619) 521 8547

SIGNATURE: [illegible] DATE 7-10-96
PRINT NAME & TITLE ARBY T. WEAVER

FACILITY

NAME SOIL WASH TECHNOLOGIES, INC PURCHASE ORDER/CONTRACT NO. # 265
ADDRESS 9310 FRIARS ROAD SWTI PROJECT NO. _____
CITY SAN DIEGO STATE CA ZIP 92108
PHONE NO. (619) 521-8547

SIGNATURE: [illegible] DATE [illegible]
PRINT NAME & TITLE ARBY T. WEAVER

DISCREPANCY / COMMENTS: _____

LUCE, FORWARD, HAMILTON & SCRIPPS LLP
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
INTERNET: SMARSH@LUCE.COM

RECEIVED
JUN 13 2 59 PM '96
ENVIRONMENTAL
HEALTH SERVICES

05826-0022

June 11, 1996

Ms. Carol Spangenberg
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

Re: La Mesa RV Center, 7601 Alvarado Road, La Mesa, California

see "Technical Reports" Section for this report

Dear Ms. Spangenberg:

Enclosed is the May 2, 1996 *Report of Groundwater Assessment Activities For the Property at 7601 Alvarado Road, La Mesa, California*, prepared by Environmental Business Solutions, Inc. On the basis of this report, previous environmental investigations of soil and groundwater and removal of approximately 400 cubic yards of impacted soils, we are requesting that a "no further action" letter be issued for the subject site.

The following is a summary of soil and groundwater investigations conducted at the subject facility by various environmental consulting firms. Our request for a "no further action" letter is based on the information provided in these reports.

ENVIRONMENTAL SUMMARY

La Mesa RV Center engages in the sale and maintenance of recreational vehicles. Several office, sales, storage, and service/maintenance structures are located on the subject site and most of the surface has been paved with asphaltic concrete with a few areas of vegetation. Four underground storage tanks (USTs) were located in the southern portion of the subject site and were removed in February 1988. One 550-gallon UST stored used oil, two 550-gallon USTs stored new oil, and one 2,000-gallon gasoline/diesel UST. According to the San Diego County Hazardous Materials Management Division (HMMD) inspector, each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. The inspector did not note any adverse impacts to groundwater during the USTs' removal, although perched groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Six soil samples from the UST excavation were collected and analyzed. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. Three additional soil samples were collected from the new and used oil area of the UST excavation in May 1988 and detectable concentrations of TRPH were found in each of the three samples analyzed.

A removal program was conducted at the subject site in March 1992 in which approximately 400 cubic yards of soil was excavated in the vicinity of the former USTs. Confirmation soil samples collected and analyzed after the excavation project indicated that concentrations of both TPH and TRPH remained in the vicinity of the excavation.

Eleven soil borings were drilled at the subject site in February 1994, with three of these borings converted to groundwater monitoring wells. Shallow groundwater beneath the subject site was encountered at a depth of approximately 4 to 9 feet below grade and appeared to flow generally toward the west at a gradient of about 0.08. Thirty soil samples were collected and tested for TPH as gasoline (TPH-gas) and diesel (TPH-diesel). Soil samples with reported concentrations of TPH were only identified in three soil borings. TPH-gas concentrations ranged from 14 to 174 mg/kg and TPH-diesel concentrations ranged from 14 to 271 mg/kg. Thirty soil samples were analyzed for TRPH and ten of the eleven soil borings showed detectable concentrations ranging from 11 to 9,140 mg/kg. The sample with the highest TPH-gas and TRPH concentrations was analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and aromatic hydrocarbons. No concentrations of BTEX or aromatic hydrocarbons were found in the sample. Organic lead was identified at a concentration of 1.5 mg/kg in one soil sample.

Samples from the three groundwater monitoring wells were analyzed. There were no concentrations of TPH-gas, TPH-diesel, or BTEX identified in any of the samples. One groundwater sample showed a concentration of 0.002 mg/l total lead.

Additional assessment activities were conducted at the subject site in November 1995. Three soil borings were drilled and a round of monitoring, purging and sampling of the three wells was conducted. TRPH, TPH-gas, TPH-diesel and benzene concentrations were not found in any of the groundwater well samples analyzed. Concentrations of toluene (32.9 ug/l), ethylbenzene (2.0 ug/l), total xylenes (12.5 ug/l), and MTBE (0.7 ug/l), none of which exceed MCL's or recommended action levels, were identified in one well.

In March 1996, the three groundwater monitoring wells were monitored, purged, and sampled. Laboratory analytical results indicate that no TRPH, TPH-gas, TPH-diesel, BTEX, or MTBE were detected in groundwater samples collected from the three monitoring wells.

CONCLUSION

On the basis of soil sample analytical results, the horizontal extent of petroleum hydrocarbon impacted soils is limited to the immediate vicinity of the former UST excavation and to a maximum vertical depth of approximately 15 feet below grade. Groundwater has not been impacted by releases from the former underground storage tanks (USTs). Four groundwater monitoring events have been conducted at the subject site over a period of two years. At no time has any concentration of BTEX been reported to exceed maximum contaminant levels (MCLs) for drinking water nor have any detectable levels of benzene ever been reported. The subject site has been adequately characterized and does not pose a threat to human health or the environment. Furthermore, based on these facts, the La Mesa RV site meets the April 1, 1996 Regional Water Quality Control Board *Interim Guidance on Required Cleanup at Low-Risk Fuel Contaminated Sites* criteria for a "low risk soils only case." As a result, we are requesting that a "no further action" letter be issued for the La Mesa RV site at your earliest convenience.

Very truly yours,

Christine Baumgardt for

Stephen L. Marsh
of
Luce, Forward, Hamilton & Scripps

cc: Mr. Jim Buckner, w/o enclosure
Mr. John Odermatt, RWQCB
Ms. Christine Baumgardt, w/o enclosure

Encl.

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

FACSIMILE COVER LETTER

Date: 6/18/96

Number of Pages: 3
(including cover page)

Fax#: 338-2377

Please deliver the following pages to:

Name: CAROL SPANGENBERG

Company: SAM

Telephone #:

Transmittal from:

Name: STEVE TRUESDALE

Comments: AS DISCUSSED -

Hard copy to follow in the mail: O Yes O No

Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is privileged and confidential information for the use of the individual or entity named above. If the reader of this message is not the intended recipient or employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any discrimination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error or are not certain whether it is privileged, please notify us immediately by telephone, collect and return the original message to us at the address below via the U.S. Postal Service at our expense. Thank you.

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City of La Mesa

RECEIVED

MAY 31 1996

Environmental Business Solutions, Inc

May 29, 1996

Environmental Business Solutons
8799 Balboa Avenue, Suite 290
San Diego, Ca 92123

ATTN: Steven Truesdale

Enclosed is a signed batch discharge authorization for the discharge of ground water to La Mesa's sewer main as indicated on the permit.

Very truly yours,

Driss Elwardi
Utility Engineer

cc: Ind. Waste Program
9192 Topaz Way
San Diego, CA 92123-1119

Return to: Industrial Waste Program
9192 Topaz Way
San Diego, CA 92123-1119
Phone (619) 654-4100
Fax (619) 654-4110

CITY OF SAN DIEGO
METROPOLITAN WASTEWATER DEPARTMENT
Industrial Waste Pretreatment Program

Groundwater Batch Discharge Authorization Request

Mailing Information

Attention: STEVEN TRUESDALE

Company: ENVIRONMENTAL BUSINESS SOLUTIONS

Street: 8799 BALBOA AVENUE SUITE 290

City: SAN DIEGO State: CA Zip: 92123

APPROVED BY

THE INDUSTRIAL WASTE PROGRAM

DATE 5/20/96

Facility Information

Facility Contact: STEVEN TRUESDALE Title: ASST. STAFF GEOLOGIST

Phone: 571-5500 Fax: 571-5357

Facility Name: LA MESA RV CENTER

Facility Address: 7601 ALVARADO ROAD, LA MESA, CA 92041

Billing Address (if different):

Wastewater Information

Describe process generating wastewater: PURGED GROUNDWATER FROM THREE GROUNDWATER MONITORING WELLS.

List known and suspected contaminants: NON DETECT FOR TEPH, TPH, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, MTBE FLASHPOINT >212°F

Describe any wastewater pretreatment methods used: N/A

Volume of wastewater to be discharged: 110 GALLONS APPROX. Flow 25 GALLONS.

Description of discharge point, include address and map as needed: SEWER MANHOLE USED FOR RECREATIONAL VEHICLE SEWAGE HOLDING TANK CLEAN OUT

Proposed Date(s) of Discharge: 5/24/96 Time: 12:00.

Lab Analysis

Attach a copy of lab analysis. For hydrocarbon only contaminated sites, analysis must include: Oil & Grease (or TPH), Total Lead, Benzene, and Flash Point. For sites with contamination other than hydrocarbons, please contact the Industrial Waste Program for guidance prior to having the analysis performed. ***Samples used for analysis must be representative of the wastewater to be discharged.***

Approval does not relieve the discharger of obligations regarding compliance with any and all applicable local, State, and Federal pretreatment standards or hazardous waste disposal requirements including any such standards or requirements that may become effective after the issuance of approval.

Signature [signature] Date 5/17/96

Print Name STEVEN P TRUESDALE

RECEIVED
MAY 6 12 33 PM '96
ENVIRONMENTAL
HEALTH SERVICES

ENVIRONMENTAL
BUSINESS
SOLUTIONS
Inc.

May 2, 1996
Project Number: 93E1163.2

Copy No. 4

Ms. Carol Spangenberg
County of San Diego
Site Assessment and Mitigation Division
1255 Imperial Avenue, 3rd Floor
P.O. Box 85261
San Diego, California 92186-5261

RE: Report of Groundwater Assessment Activities Performed Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R.V. Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Ms Spangenberg:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter report (Report) which summarizes the results of a groundwater assessment recently performed at the Site. The work described in this report was conducted in general accordance Exhibit "2" to the Consulting Agreement (Contract) between EBS and La Mesa R.V., Inc. (Client). The Contract was fully executed on February 3, 1994.

SITE INFORMATION

SITE LOCATION/DESCRIPTION

The Site is located in a commercial/retail portion of the City of La Mesa (Figure 1). Topographically, the Site is located along a relatively level terrace. Steep slopes are located along the southern portion of the Site.

The Site is used as a recreational vehicle sales and service facility. Site improvements include offices, showrooms, service bays, and associated driveways and parking areas. The northern portion of the Site is generally used for showrooms, vehicle parking, and sales offices. The southern portion of the Site is used for the repair and servicing of vehicles. Four underground storage tanks (USTs) were formerly located in the southern portion of the Site (Figure 2).

SITE IDENTIFICATION

Site Name:	La Mesa R. V. Center
Site Location:	7601 Alvarado Road, La Mesa, California 92041
SAM Case Number:	HO2651-001, T0427

BACKGROUND

The following background information is from previously reported data and reports prepared by others and by EBS. Four USTs of various capacities were removed from the Site. The USTs stored new oil, used oil, and gasoline. The USTs were located immediately to the west and south of a service bay building at the Site (Figure 2). The four USTs consisted of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

UST REMOVAL OF FEBRUARY 1988

The USTs were removed in February 1988 by Alm Services (Alm). The "Abandoned Underground Tank Report" prepared for the Site by the San Diego County Hazardous Materials Management Division (HMMD) inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs' removal, although groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Correspondence from Alm to the HMMD in March 1988 indicated that six soil samples from the UST excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May 1988, Alm was reported to have collected an additional three samples from the new and used oil area of the UST excavation. Detectable concentrations of TRPH were found in each of the three samples.

ASSESSMENT/REMEDIATION ACTIVITIES PERFORMED BY HALLIBURTON NUS IN MARCH 1992

In March 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted an exploratory excavation program at the Site. Approximately 400 cubic yards of soil was excavated from the vicinity of the former USTs. Numerous confirmation samples were collected during the excavation program. Confirmation samples indicated that soil with concentrations of both TPH and TRPH remained in the vicinity of the excavation.

WORKPLAN PREPARED BY EBS IN NOVEMBER 1993

In November 1993, EBS submitted a workplan to Mr. Lars Skinner of the SAM for review and approval. The workplan described an assessment which included the following:

- Drilling and sampling of seven soil borings and converting three of the soil borings to groundwater monitoring wells (wells);
- Monitoring, purging, and sampling the three wells; and
- Performing laboratory analysis on the collected soil and groundwater samples.

The workplan was approved by Mr. Skinner on December 9, 1993.

SOIL AND GROUNDWATER ASSESSMENT PERFORMED BY EBS IN FEBRUARY 1994

In February 1994, 11 soil borings (B-1, B-1A, B-2, B-3, B-4, B-4A, B-5, B-6, MW-1, MW-2, and MW-3) were drilled, three of which were converted to groundwater monitoring wells MW-1, MW-2, and MW-3. Work performed during this investigation included the collection and analysis of soil and groundwater samples. A report[1] summarizing the assessment activities was prepared and submitted to the SAM in March 1994.

Site Hydrogeology

The Site is interpreted to be located in the Mission San Diego Hydrologic Subarea of the Lower San Diego Hydrologic Area of the San Diego Hydrologic Unit. According to the Regional Water Quality Control Board (RWQCB), groundwater within this hydrologic subarea has existing or potential beneficial uses for municipal, agricultural, and/or industrial supplies.

The hydrologic areas and water use designations were presented in the RWQCB's "Comprehensive Water Quality Plan" (Plan) originally adopted in 1974. Recent amendments to the Plan, adopted in September 1994 by the RWQCB, were reviewed and used in the preparation of this Report.

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[1] Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site).

As previously reported, the shallow groundwater at the Site is generally encountered at a depth of approximately 4 to 9 feet below grade. The shallow groundwater is interpreted to flow generally towards the west at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance).

SAM LETTER OF FEBRUARY 7, 1995

On February 7, 1995, Mr. Lars Skinner issued a letter regarding his review of the assessment report prepared by EBS, and subsequently requested that additional assessment of petroleum hydrocarbon-bearing soil and groundwater be performed.

WORKPLAN AND QUARTERLY GROUNDWATER MONITORING REPORT PREPARED BY EBS

On May 1, 1995, EBS submitted a workplan and quarterly groundwater monitoring report[2] to the SAM. Prior to preparing the May 1995 report, the three wells were monitored, purged, and sampled.

The workplan presented a scope of work intended to assess the shallow soil at the Site. This scope of work included the drilling, sampling, and logging of four additional soil borings; monitoring, purging and sampling of three wells; and laboratory analysis of collected soil and groundwater samples.

SAM WORKPLAN APPROVAL LETTER OF JUNE 19, 1995

On June 19, 1995, Ms. Carol Spangenberg of the SAM issued a workplan approval letter.

REPORT PREPARED BY EBS

In November, 1995, EBS conducted additional assessment activities at the Site which included drilling three soil borings and an additional round of monitoring, purging and sampling the three wells. Work performed during this investigation included

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[2] Quarterly Groundwater Monitoring Report for the First Quarter of 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R. V. Center at 7601 Alvarado Road, La Mesa, California (Site).

the collection and analysis of soil and groundwater samples. A report[3] summarizing the assessment activities was prepared and submitted to the SAM in March 1996.

OBJECTIVES

The objectives of this scope of services were to:

- Assess shallow groundwater at the Site for flow direction, gradient, and concentration of dissolved petroleum hydrocarbons.

SCOPE OF SERVICES

The scope of services that were used to meet the objectives are as follows:

AMENDMENTS TO THE PREVIOUSLY PREPARED SITE HEALTH AND SAFETY PLAN, SUBCONTRACTOR SCHEDULING, AND PROJECT MANAGEMENT

Preparation of a Site Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120. Therefore, the previously prepared health and safety plan, which outlined the potential chemical and physical hazards that may be encountered during sampling activities, was amended for the current work scope. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards were detailed in this plan. EBS personnel involved with the proposed field work were required to sign this document in order to encourage proper health and safety practices.

Subcontractor Management and Scheduling

Prior to mobilizing for field work, EBS notified and scheduled the analytical laboratories (Transglobal Environmental Geochemistry [TEG] and Geotest).

MONITORING, PURGING, AND SAMPLING THREE WELLS

On March 31, 1996, three groundwater monitoring wells (MW-1, MW-2, and MW-3) were monitored, purged, and sampled. The wells were monitored with an electronic

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[3] Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site).

interface probe to measure depth to water. The interface probe is reported to measure groundwater level to within an accuracy of 1/100 foot. No free floating petroleum product was encountered during the monitoring activities. Both current and historical monitoring data are shown in Table 1.

After the wells were monitored they were purged and sampled in general accordance with SAM guidelines. Wells MW-1 and MW-3, were purged with a bailer. Purge water was placed in appropriate drums and left on-site. Well MW-2 was purged with a submersible pump. Approximately 1.5 borehole volumes of water was purged from each well. After approximately 2 hours after purging, the wells did not recharge to at least 80 percent of the pre-purging static water level. The wells were judged to be slow recharging and were sampled.

Groundwater was sampled with a disposable bailer. The groundwater samples were decanted into laboratory-supplied vials, capped, labeled, and placed in an ice-filled chest. Chain-of-custody procedures were implemented for sample tracking.

Laboratory Analysis of Collected Groundwater Samples

Groundwater samples were kept in an ice-filled cooler until analysis by TEG and analyzed for the following:

- TPH[4] in general accordance with modified EPA Method 8015;
- BTEX in general accordance with EPA Method 8020; and
- TRPH in general accordance with EPA Method 418.1.

In addition, a duplicate set of groundwater samples was submitted to Geotest and analyzed for the following:

- MTBE in general accordance with EPA Method 8020.

Groundwater laboratory test results are shown in Table 2. Laboratory test reports are attached.

---

[4] "Full scan" includes gasoline and diesel ranges.

FINDINGS

HYDROGEOLOGY

The shallow groundwater at the Site was generally encountered at a depth of approximately 4 to 8 feet below grade. The shallow groundwater is interpreted to generally flow towards the west (Figure 2) at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance).

GROUNDWATER SAMPLES

Total Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TPH concentrations.

Total Recoverable Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TRPH concentrations.

Benzene, Toluene, Ethylbenzene, and Xylenes

All groundwater samples were reported to have no detectable BTEX concentrations.

Methyl Tertiary Butyl Ether

All groundwater samples were reported to have no detectable MTBE concentrations.

DISCUSSION

- Groundwater samples have been analyzed for MTBE and for BTEX. These are typically very soluble components of gasoline,[5] and their presence is frequently an indicator of gasoline. No detectable concentrations of MTBE or BTEX were reported for the collected groundwater samples.

- Groundwater samples were also analyzed for TPH and TRPH. No detectable TPH or TRPH concentrations were reported for the collected groundwater samples.

---

[5] MTBE is a gasoline additive.

- Groundwater samples have previously been analyzed for polynuclear aromatic hydrocarbons[6] (PAHs). No detectable PAH concentrations were reported for the collected groundwater samples.

ASSESSMENT OF GROUNDWATER QUALITY AT THE SITE

Based on the groundwater samples collected from the Site to date, it is our opinion that groundwater at the Site has not been impacted[7] by release(s) from the former USTs.

There have been four groundwater monitoring events at this Site. As shown in Table 2, at no time has any concentration of BTEX been reported to exceed maximum contaminant levels[8] (MCLs) for drinking water. It should be stressed that all of the groundwater samples were reported to have no detectable benzene concentrations (Table 2).

No detectable MTBE concentrations were reported during this round of sampling. Groundwater sample MW-2, collected on November 28, 1995, was reported to have an MTBE concentration of 0.7 µg/l. It should be noted that the detection level for MTBE was 0.6 µg/l. The State "action level" for MTBE is 35 µg/l.

No detectable concentrations of TPH or TRPH were reported in collected groundwater samples.

CONCLUSIONS

Based on the data reviewed and obtained as part of this assessment, current regulatory guidelines, and our experience, in our professional judgement we have drawn the following conclusions:

- There is a low likelihood that the shallow groundwater at the Site has been impacted from a release(s) from the former USTs.

---

[6] Quarterly Groundwater Monitoring Report for the First Quarter of 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R. V. Center at 7601 Alvarado Road, La Mesa, California (Site).

[7] Impact to groundwater for the purposes of this report is defined as concentrations of chemicals that exceed MCLs, as defined in CCR Title 22, or the presence of free product or groundwater.

[8] MCL as defined in California Code of Regulations, Title 23.

RECOMMENDATIONS

- We recommend, based on the groundwater sample analytical results collected at the Site to date, that the SAM consider issuing a "no further action" letter (Site closure).

- After receiving Site closure, the Client should consider properly destroying the existing three groundwater monitoring wells.

We have enjoyed working with you on the important project. If we may be of further assistance or you have any question, please feel free to contact the undersigned at 619-571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Steven R. Truesdale
Staff Geologist

Barry S. Pulver, CEG 1364
Principal

Daniel E. Johnson
Principal

SRT20/93E11632.rpt
Enclosures

cc: Mr. James Buckner - La Mesa R.V., Inc.
Stephen L. Marsh, Esq - Luce, Forward, Hamilton & Scripps

REPORT USAGE AND FUTURE SITE CONDITIONS

This report is intended for the sole usage of La Mesa R.V. Center, its designated agents, and the SAM. Use of this report is subject to the provisions of the fully executed Consulting Agreement (Contract) between La Mesa R.V. Center and Environmental Business Solutions, Inc. Any third party usage of this report shall be subject to the provisions of the Contract and any unauthorized misuse of or reliance upon the report shall be without risk or liability to Environmental Business Solutions, Inc.

The conclusions of this report are judged to be relevant at the time the work described in this report was conducted. Future conditions may differ and this report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of environmental assessments in San Diego County is consulted to assess the necessity of updating this report.

Although this assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include, but are not limited to: 1) our reliance on inadequate or inaccurate information rightfully provided to us by third parties, such as public agencies and other outside sources; 2) the limited scope of this assessment; 3) the presence of undetected, unknown or unreported environmental releases; and 4) the heterogeneous and complex nature of subsurface materials.

TABLES

TABLE 2

GROUNDWATER SAMPLE TEST RESULTS
TRPH, TPH_g and TPH_d, BTEX and MTBE

WELL NUMBER	SAMPLE DATE	TRPH (µg/ l)	TPH_g (µg/ l)	TPH_d (µg/ l)	B (µg/ l)	T (µg/ l)	E (µg/ l)	X (µg/ l)	MTBE (µg/ l)
MW-1	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	410	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
	3/31/96	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
MW-2	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	1,000	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	32.9	2.0	12.5	0.7
	3/31/96	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
MW-3	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	950	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
	3/31/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6

Notes:

1. Samples were tested for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015, and for benzene (B), toluene (T) ,ethylbenzene (E), total xylenes (X), and methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020.

2. --- = Sample not tested for corresponding constituent.

3. All sample results are reported in micrograms per liter (µg/l).

4. With the exception of the MTBE analysis, the groundwater samples collected in March 1996 were analyzed by TEG.

TABLE 1

GROUNDWATER MONITORING RESULTS

WELL NUMBER	DATE	DEPTH TO WATER	DEPTH TO PRODUCT	TOC-ELEV	ELEV-GW
MW-1	2/17/94	8.01	***	97.93	89.92
	3/28/95	7.65	***		90.28
	11/28/95	7.88	***		90.05
	3/31/96	7.77	***		90.16
MW-2	2/17/94	8.71	***	98.53	89.82
	3/28/95	8.28	***		90.25
	11/28/95	8.50	***		90.03
	3/31/96	8.40	***		90.13
MW-3	2/17/94	4.65	***	98.89	94.24
	3/28/95	4.56	***		94.33
	11/28/95	4.63	***		94.26
	3/31/96	4.18	***		94.71

Notes:

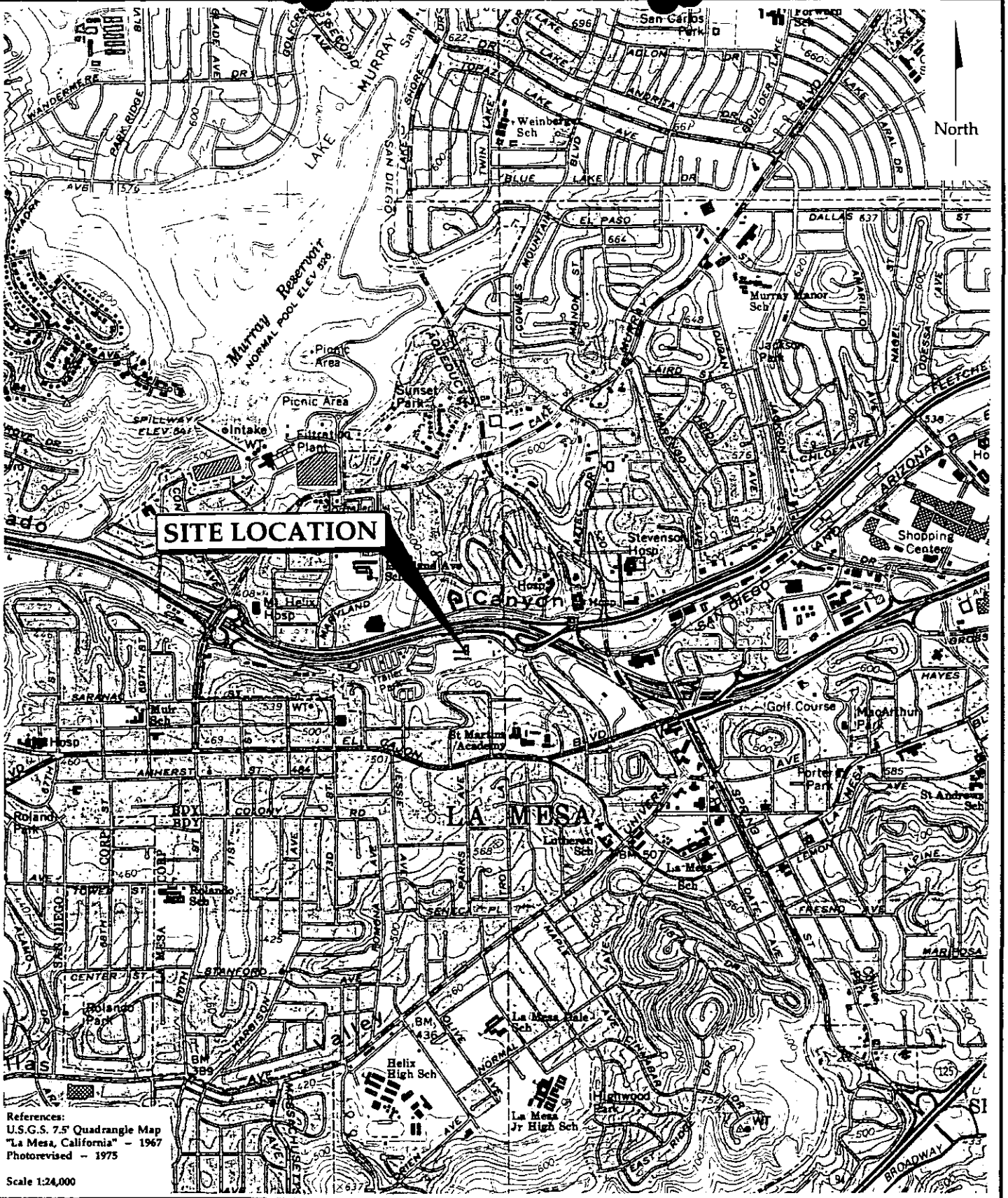
1. All measurements in feet.

2. TOC-ELEV = Elevation of the top of casing in feet above mean sea level (msl). TOC-ELEV from survey performed by Hopwood Surveying on February 26, 1994.

3. ELEV-GW = Elevation of groundwater as measured in well in feet (msl).

4. *** = Product not encountered in well.

FIGURES



ENVIRONMENTAL BUSINESS SOLUTIONS, Inc.

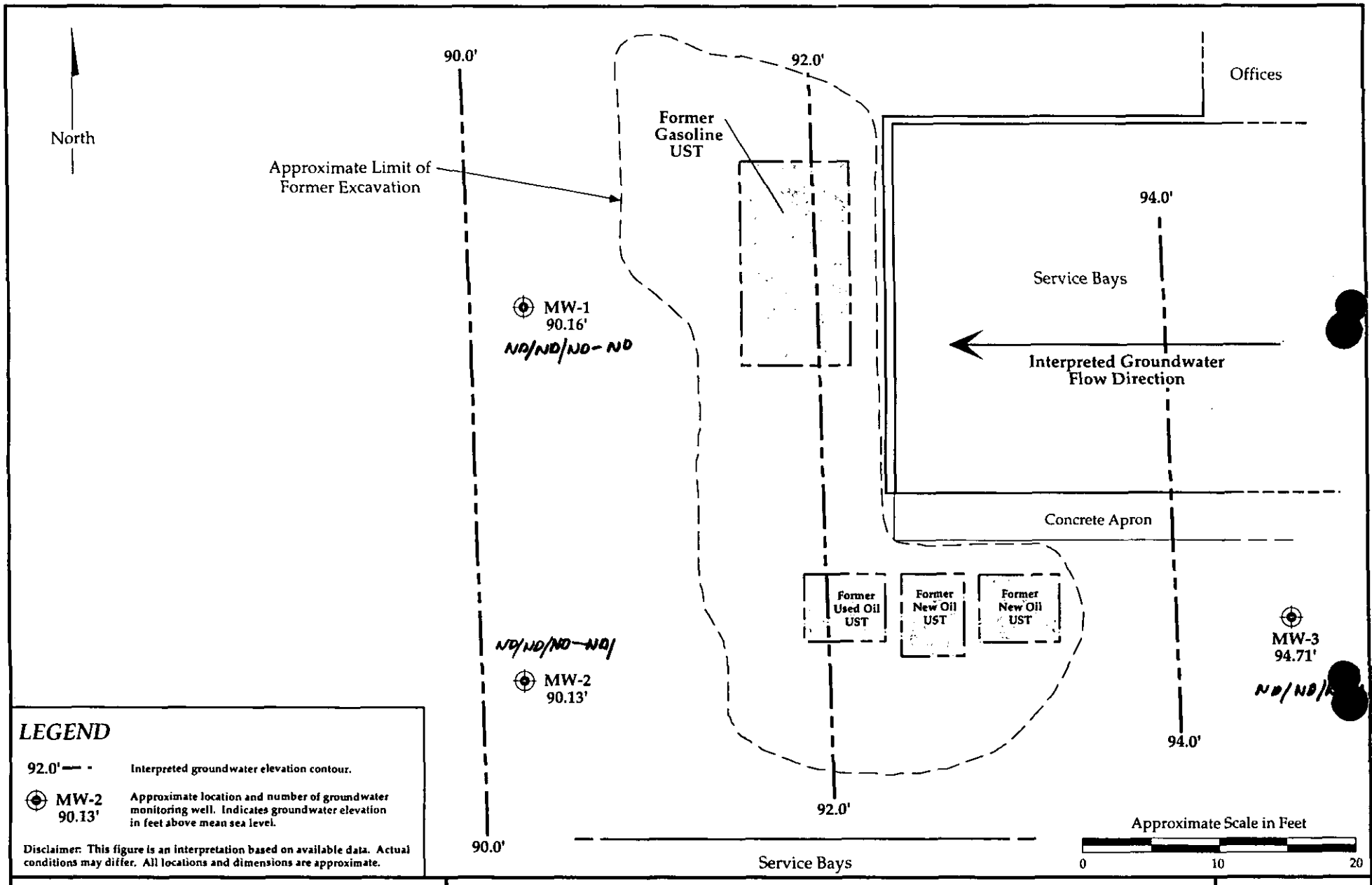
"Providing Economic Environmental Solutions to the Business Community"

Site Location Map

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 1



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"Providing Economic Environmental Solutions to the Business Community"

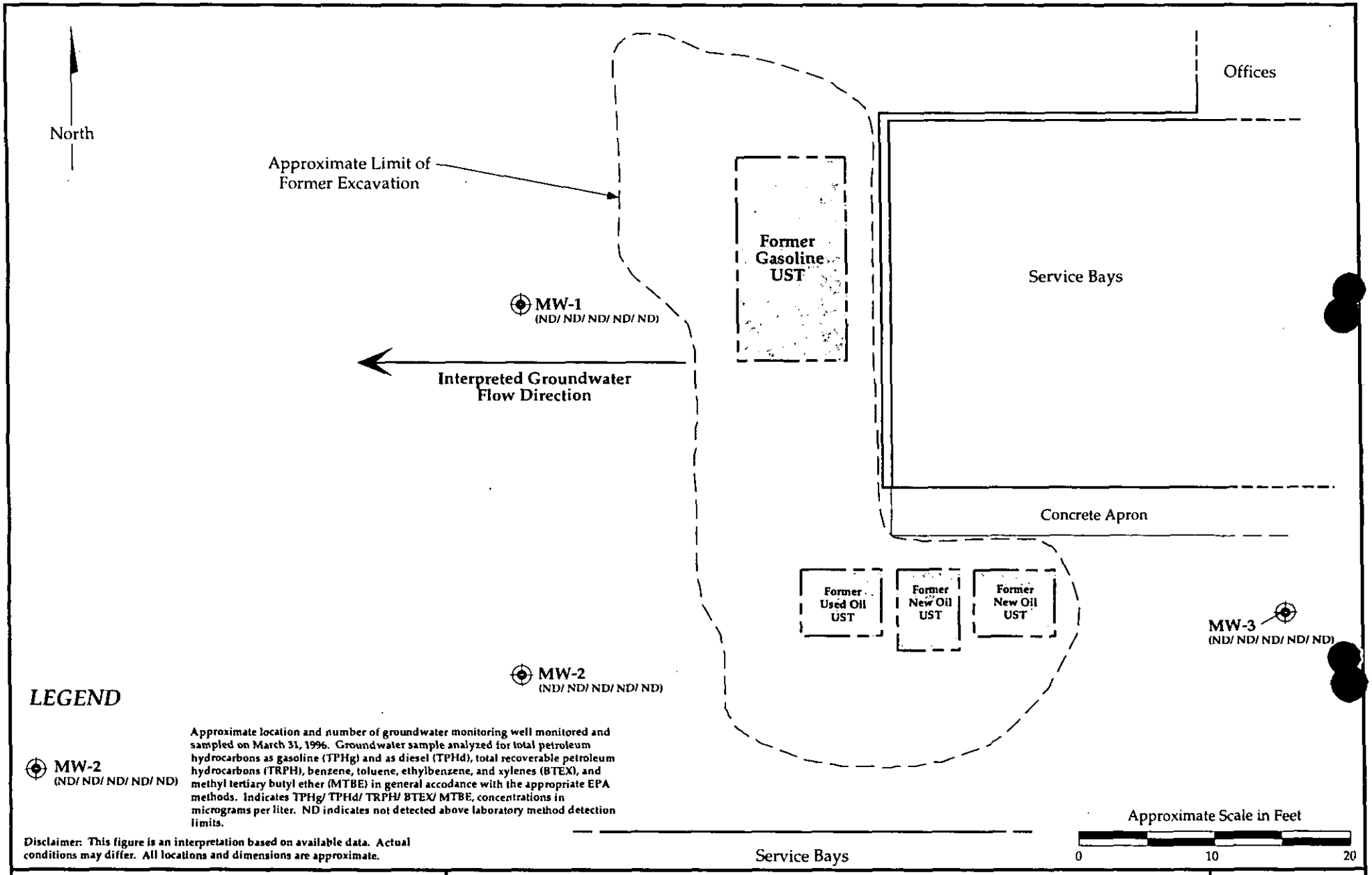
TPH/TRPH/BTEX

Groundwater Gradient Map

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 2



ENVIRONMENTAL BUSINESS SOLUTIONS, Inc.
"Providing Economic Environmental Solutions to the Business Community"

Site Plan with Groundwater Sample Analytical Results

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No. 93E1163.2

Figure 3

LABORATORY REPORTS

teg

April 9, 1996

Mr. Barry Pulver
Environmental Business Solutions
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

RECEIVED
APR 12 1996

SUBJECT: DATA REPORT - LA MESA RV CENTER - 7691 ALVARADO ROAD, LA MESA, CA - EBS PROJECT #93E163.2

TEG Project # 960401-9

Mr. Pulver:

Please find enclosed a data report for the above referenced location. Water samples were analyzed in TEG's DOHS certified mobile laboratory (CERT #1746).

Project Summary

The following analyses were conducted:

- 3 waters for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015
- 3 waters for volatile aromatic hydrocarbons (BTEX) by Modified EPA Method 8020
- 3 waters for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

The samples were received chilled in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

TEG appreciates the opportunity to provide analytical services to EBS on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Sheri Hartman

Ms. Sheri Hartman
President, TEG, Inc.

432 NORTH CEDROS AVENUE • SOLANA BEACH, CA 92075 • 619-793-0401 • FAX 619-793-0404

EBS PROJECT #93E163.2
LA MESA RV CENTER
7691 ALVARADO ROAD
LA MESA, CA

TEG Project #960401-9

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF WATERS

SAMPLE NUMBER	DATE ANALYZED	TRPH (ug/l)	~~TPH GAS~~ C5-C11 (ug/l)	TPH-DIESEL C12-C24 (ug/l)	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZ (ug/l)	XYLENES (ug/l)	SURROGATE (%REC)
METHOD BLANK	4/5/96	ND	ND	ND	ND	ND	ND	ND	126%
MW-1	4/5/96	ND	ND	ND	ND	ND	ND	ND	98%
MW-1 DUP	4/5/96	ND	ND	ND	ND	ND	ND	ND	117%
MW-2	4/5/96	ND	ND	ND	ND	ND	ND	ND	116%
MW-3	4/5/96	ND	ND	ND	ND	ND	ND	ND	103%
DETECTION LIMITS		500	500	500	0.5	0.5	0.5	0.5	65%-135%

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Shawn Hunter 4/9/96

teg

QA/QC REPORT - CALIBRATION DATA

TEG PROJECT #960401-9
DAILY CALIBRATION DATE : 04/05/96

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	4/7/95	0.635	2.7%	425	0.708	11.6%	375	0.625	1.6%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	4/7/95	0.677	5.3%	382	0.637	5.9%	370	0.617	8.9%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	4/7/95	0.820	2.9%	423	0.705	14.0%	436	0.727	11.4%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	5/5/95	0.246	6.3%	379	0.253	2.6%	418	0.279	13.1%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	5/5/95	0.249	14.9%	417	0.278	11.6%	385	0.257	3.0%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	5/5/95	0.361	15.9%	600	0.400	10.7%	485	0.323	10.6%
BENZENE	0.1 - 10	3.3 - 330	4/19/95	87.76	6.6%	288	96.00	9.4%	260	86.78	1.1%
TOLUENE	0.1 - 10	3.3 - 330	4/19/95	78.24	3.2%	244	81.41	4.1%	232	77.21	1.3%
ETHYLBENZENE	0.1 - 10	3.3 - 330	4/19/95	63.01	5.7%	183	61.14	3.0%	207	69.00	9.5%
m&p-XYLENES	0.1 - 10	3.3 - 330	4/19/95	78.43	6.7%	502	83.60	6.6%	498	83.06	5.9%
o-XYLENES	0.1 - 10	3.3 - 330	4/19/95	63.41	5.5%	210	70.09	10.5%	189	63.16	0.4%
TRPH	20 - 1,000	20 - 1,000	4/20/95	635.16	2.7%	0.853	586.17	7.7%	0.860	581.40	8.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Theresa Hunter 4/9/96

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR WATERS

ANALYSIS DATE : 04/05/96
TEG Project #960401-9

COMPOUND	SPK CONC (ug/L)	MS CONC (ug/L)	%REC MS	MSD CONC (ug/L)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE %MS
TRPH	5,000	4,764	95.3%	4,509	90.2%	5.5%	15%	75% - 110%
TPH GASOLINE	2,000	1,992	99.6%	1,760	88.0%	12.4%	15%	63% - 117%
TPH DIESEL	5,000	3,608	72.2%	3,767	75.3%	4.3%	15%	61% - 111%
BENZENE	10.0	8.4	84.0%	9.4	94.0%	11.2%	15%	63% - 108%
TOLUENE	10.0	9.6	96.0%	9.2	92.0%	4.3%	15%	62% - 90%
ETHYLBENZENE	10.0	8.6	86.0%	9.1	91.0%	5.6%	15%	65% - 106%
TOTAL XYLENES	30.0	27.2	90.7%	27.9	93.0%	2.5%	15%	64% - 103%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Shawn W Hearn 4/9/96

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: ENVIRONMENTAL BUSINESS SOLUTIONS, INC

ADDRESS: 5799 BALBOA AVE SUITE 210

PHONE: 571 5500 FAX: 571 5357

CLIENT PROJECT #: 93E1163.2 PROJECT MANAGER: BARRY FULVER

DATE: 3-31-16 PAGE 1 OF 1

TEG PROJECT #: 160401-9

LOCATION: LA MESA R.V. CENTER 7601 ALVARADO RD

COLLECTOR: STEVE TRUESDALE / RUBE DAVIES DATE OF COLLECTION: 3/31/16

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS						FIELD NOTES	Total Number Of Containers	Lab Note Number
MW-1			WATER	40ml VOA		X			X			X														4	
MW-2			↓	↓		X			X			X														3	
MW-3			↓	↓		X			X			X														4	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	4/1/16 12:50	[signature]	4/1/16 12:50
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☒ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	11
CHAIN OF CUSTODY SEALS Y/N/NA	/
SEALS INTACT? Y/N/NA	N/A
RECEIVED GOOD COND./COLD	/
NOTES:	

LABORATORY NOTES:

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

RECEIVED
APR 22 1996

LABORATORY REPORT

ENVIRONMENTAL BUSINESS SOLUTIONS, INC.
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

REPORT TO:	BARRY PULVER	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PROJECT NAME:	LA MESA RV CENTER		
SITE LOCATION:	7601 ALVARADO ROAD LA MESA, CA		

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 03/31/96 and received intact and cool on 04/03/96. In accordance with the chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
Total Lead	2-3
MBTE	4-5

In addition, the analysis for flashpoint was subcontracted to an outside laboratory with results issued on a separate laboratory report.

REVIEWED AND APPROVED: Richard Villafania, Laboratory Manager

REPORT DATE: 4-8-96

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3010		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF TOTAL LEAD BY INDUCTIVELY COUPLED PLASMA
EPA METHOD 6010

3/31/96

UNITS:		LEAD mg/L	DETECTION LIMIT mg/L
SAMPLE ID	**DATE ANALYZED**		
METHOD BLANK	04/04/96	ND	0.02
D-1	04/04/96	ND	0.02

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3010		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF TOTAL LEAD BY INDUCTIVELY COUPLED PLASMA
EPA METHOD 6010

		RECOVERY	ACCEPTABLE RANGE
UNITS:		%	%
SAMPLE ID	DATE ANALYZED		
ICV	04/04/96	97	90-110
LCS	04/04/96	96	70-130
MATRIX SPIKE	04/04/96	85	70-130
MATRIX SPIKE DUPLICATE	04/04/96	86	70-130
RPD		1.2	0-25

ICV - Internal Calibration Verification
LCS - Laboratory Control Standard
RPD - Relative Percent Difference

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	VN	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID

MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	SURROGATE RECOVERY
UNITS:		µg/L	%
DETECTION LIMITS:		0.6	
SAMPLE ID	DATE ANALYZED		
METHOD BLANK	04/03/96	ND	100
MW-1	04/03/96	ND	102
MW-2	04/03/96	ND	94
MW-3	04/03/96	ND	103

Surrogate : a,a,a-Trifluorotoluene **Acceptable Range (%) :** 70-130

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST :	VN	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID
MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	ACCEPTABLE RANGE
RECOVERY UNITS:		%	%
SAMPLE ID	DATE ANALYZED		
LCS	04/03/96	93	80-120
MATRIX SPIKE	04/03/96	104	70-130
MATRIX SPIKE DUPLICATE	04/03/96	104	70-130
RPD		0	0-25

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

GEOTEST
3960 E. Gilman Street
Long Beach, 90815
Telephone: (310) 498-9515 (800) 624-5744
Fax: (310) 597-0786

CHAIN-OF-CUSTODY RECORD

9604009

GEOTEST PROJECT NO: 961138-03 / 98874
DATE 3/31/96 PAGE 1 OF 1

PROJECT NAME LA MESA R.V. CENTER
ADDRESS 7601 ALVARADO ROAD
SAMPLER'S SIGNATURE S R M
PRINTED NAME STEVE TRUESDALE
CLIENT PROJECT NO. 93E1163.2
PROJECT MANAGER BARRY PULVER

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	FLASHPOINT	TOTAL LEAD		MTBE 8020			MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D-1	3/31/96	1400	LA MESA RV.					X	X					W	500ml Amber	4	2 Ambers broke during delivery
MW-1		1600									X			W	Voa	4	all voas contain air bubble
MW-2		1600									X			W	Voa	4	3 voas contain air bubble
MW-3		1600									X			W	Voa	4	all voas contain air bubble
																	T=8°C
																	Voas are not preserved

1 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	5 RELINQUISHED BY	DATE
SIGNATURE S R M	4/2/96	SIGNATURE FED-EX	4/3/96	SIGNATURE	
PRINTED NAME STEVE TRUESDALE	TIME 1400	PRINTED NAME	TIME 1030	PRINTED NAME	TIME
COMPANY		COMPANY		COMPANY	
2 RECEIVED BY FED-EX	DATE 4/2/96	**4 RECEIVED BY**	DATE	**6 RECEIVED BY (LAB)**	DATE 4/3/96
SIGNATURE		SIGNATURE		SIGNATURE	
PRINTED NAME	TIME 1900	PRINTED NAME	TIME	PRINTED NAME MICHELE HERRING	TIME 1025
COMPANY		COMPANY		COMPANY GEOTEST	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
CALL TO CONFIRM DELIVERY PRIOR TO ANALYSIS

METHYL TERTIARY-BUTYL ETHER (MTBE)

ORIGINAL

ENVIRONMENTAL
BUSINESS
SOLUTIONS
Inc.

TRANSMITTAL LETTER

TO: Ms. Carol Spengenberg
Site Assessment and Mitigation Division
Department of Envrionmental Health
County of San Diego
P. O. Box 85261
San Diego, California 92186-5261

Date: March 7, 1996
Proposal Number: 93E1163.2

ENCLOSED PLEASE FIND:

One copy of report titled "Report of Soil and Groundwater Assessment Activities Performed Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R.V. Center at 7601 Alvarado Road, La Mesa, California (Site)"

REMARKS:

For your records.

Should you have any questions regarding this transmittal, please call the undersigned at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG
Principal

Enclosure

RECEIVED
MAR 11 | 44 PM '96
ENVIRONMENTAL
HEALTH SERVICES

SOIL AND GROUNDWATER ASSESSMENT FOR LA MESA RV CENTERS, LA MESA, CALIFORNIA

MARCH 7, 1996

PROJECT NUMBER 93E1163.2

RECEIVED
MAR 11 1 44 PM '96
HEALTH SERVICES

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

March 7, 1996
Project Number: 93E1163.2

Copy No. 4

Mr. James Buckner
La Mesa R. V. Center
7601 Alvarado Road
La Mesa, California 92041

RE: Report of Soil and Groundwater Assessment Activities Performed Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R.V. Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Mr. Buckner:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter report (Report) which summarizes the results of a soil and groundwater assessment recently performed at the Site. The work described in this report was conducted in general accordance Exhibit "2" to the Consulting Agreement (Contract) between EBS and La Mesa R.V., Inc. (Client). The Contract was fully executed on February 3, 1994.

SITE INFORMATION

SITE LOCATION/DESCRIPTION

The Site is located in a commercial/retail portion of the City of La Mesa (Figure 1). Topographically, the Site is located along a relatively level terrace. Steep slopes are located along the southern portion of the Site.

At the time of the assessment, the Site was observed to be used for the sale and repair of recreational vehicles. Site improvements include offices, showrooms, service bays, and associated driveways and parking areas. The northern portion of the Site is generally used for showrooms, vehicle parking, and sales offices. The southern portion of the Site is used for the repair and servicing of vehicles. Four underground storage tanks (USTs) were formerly located in the southern portion of the Site.

SITE IDENTIFICATION

Site Name:	La Mesa R. V. Center
Site Location:	7601 Alvarado Road, La Mesa, California 92041
SAM Case Number:	HO2651-001, T0427

BACKGROUND

The following background information is from previously reported data and reports prepared by others and by EBS. Four USTs of various capacities were removed from the Site. The USTs stored new oil, used oil, and gasoline. The USTs were located immediately to the west and south of a service bay building at the Site (Figure 2). The four USTs consisted of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

UST REMOVAL OF FEBRUARY 1988

The USTs were removed in February 1988 by Alm Services (Alm). The "Abandoned Underground Tank Report" prepared for the Site by the San Diego County Hazardous Materials Management Division (HMMD) inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs' removal, although groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Correspondence from Alm to the HMMD in March 1988 indicated that six soil samples from the UST excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May 1988, Alm was reported to have collected an additional three samples from the new and used oil area of the UST excavation. Detectable concentrations of TRPH were found in each of the three samples.

ASSESSMENT/REMEDIATION ACTIVITIES PERFORMED BY HALLIBURTON NUS IN MARCH 1992

In March 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted an exploratory excavation program at the Site. Approximately 400 cubic yards of soil was excavated from the vicinity of the former USTs. Numerous confirmation samples were collected during the excavation program (Tables 1 and 2, and Figure 2, 3). Confirmation samples indicated that soil with concentrations of both TPH and TRPH remained in the vicinity of the excavation.

WORKPLAN PREPARED BY EBS IN NOVEMBER 1993

In November 1993, EBS submitted a workplan to Mr. Lars Skinner of the SAM for review and approval. The workplan described an assessment which included the following:

- Drilling and sampling of seven soil borings and converting three of the soil borings to groundwater monitoring wells (wells);
- Monitoring, purging, and sampling the three wells; and
- Performing laboratory analysis on the collected soil and groundwater samples.

The workplan was approved by Mr. Skinner on December 9, 1993.

SOIL AND GROUNDWATER ASSESSMENT PERFORMED BY EBS IN FEBRUARY 1994

During this investigation, 11 soil borings (B-1, B-1A, B-2, B-3, B-4, B-4A, B-5, B-6, MW-1, MW-2, and MW-3) were drilled, three of which were converted to groundwater monitoring wells MW-1, MW-2, and MW-3 (Figure 2). Work performed during this investigation included the collection and analysis of soil and groundwater samples. A report[1] summarizing the assessment activities was prepared and submitted to the SAM in March 1994. Pertinent portions of the March 1994 report are presented as follows.

Site Geology

Geologic materials encountered during the assessment included fill soils, topsoil, and alluvium. A brief description of these units is presented below:

Fill

Fill soil was encountered in all of the soil borings. These deposits generally consisted of dark gray brown gravelly silty sand (SM), black silty gravelly sand

[1] *Report of Soil and Groundwater Investigation Pursuant to the Requirements of* the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site).

(SW), and yellow brown clayey sand (SC). Fill soil was observed to extend to a maximum depth of approximately 8 feet below grade.

Topsoil

Topsoil was encountered in soil borings and wells B-1, B-3, B-4, B-5, MW-1, and MW-2. Topsoil generally consisted of a dark brown silty sand/sandy silt (SM/ML). Topsoil was encountered to a maximum depth of approximately 12 feet below grade. It should be noted that the topsoil layer was observed to contain significant amounts of naturally occurring organic matter such as plant roots and other plant matter in varying degrees of decomposition. The topsoil layer was observed to be underlain by alluvium.

Alluvium

Alluvium was encountered in all soil borings and wells. These deposits generally consisted of red brown gravel/silty gravel (GW/GM), yellow brown gravelly clayey sand (SC), and a distinctive and cemented yellow brown gravelly clayey sand (SC). The cemented layer was generally encountered at a depth of approximately 10 feet below grade. It should be noted that the cemented layer was encountered in all soil borings and wells, and appeared to be dipping towards the west. The cemented layer was observed to have a thickness of approximately 10 feet.

Site Hydrogeology

As interpreted from maps prepared by the Regional Water Quality Control Board, San Diego Region (RWQCB) in the Comprehensive Water Quality Control Plan Report, dated 1979, the Site is located within the Chollas Hydrologic Subarea of the San Diego Mesa Hydrologic Area of the Pueblo San Diego Hydrologic Unit. As stated in RWQCB Resolution 91-79, this basin does not have any existing or potential municipal and industrial beneficial uses of groundwater.

The shallow groundwater at the Site is generally encountered at a depth of approximately 4 to 9 feet below grade. The shallow groundwater is interpreted to flow generally towards the west at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance).

The shallow groundwater is interpreted to be a perched water table. The cemented layer encountered at the Site is interpreted to be a confining layer on which the shallow groundwater is perched.

Soil Sample Analytical Results

All soil samples collected during the February 1994 assessment were tested for TPH and TRPH in general accordance with modified EPA Method 8015 (California Department of Health Services modified) and EPA Method 418.1, respectively. Laboratory test results are presented in Figure 3 and Table 3. TPH concentrations were reported to range from not detected to 271 milligrams per kilogram (mg/kg). TRPH concentrations were reported to range from not detected to 9,140 mg/kg.

In addition, the soil sample with the highest reported TRPH concentration (sample B1-10) was also analyzed for the following:

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) in general accordance with EPA Method 8020;
- Halogenated volatile organic compounds (HVOCs) in general accordance with EPA Method 8010;
- Polychlorinated biphenyls (PCBs) in general accordance with EPA Method 8080; and
- Organic lead in general accordance with EPA Method 6010.

Soil sample B1-10 was reported to have no detectable concentrations of BTEX, HVOCs, and PCBs. Soil sample B1-10 was reported to have an organic lead concentration of 1.5 mg/kg.

Groundwater Sample Test Results

All groundwater samples collected during this assessment were tested for TPH and BTEX in general accordance with modified EPA Method 8015 and EPA Method 8020, respectively. Laboratory test results are presented in Table 4. All samples were reported to have no detectable concentrations of TPH or BTEX.

Conclusions

Conclusions presented in the March 1994 report included:

- The horizontal extent of gasoline- and diesel-bearing soil is generally limited to the immediate vicinity of the former UST excavation. Gasoline and diesel-bearing soil extends to a maximum depth of approximately 15 feet below grade.

- The horizontal extent of TRPH-bearing soil (soil with TRPH concentrations greater than 1,000 mg/kg) has generally been assessed. Based on available data, the western, southern, and eastern limits of TRPH-bearing soil have been inferred. The maximum extent of TRPH-bearing soil has been inferred to extend approximately 30 feet in the interpreted downgradient direction, with respect to shallow groundwater flow, from the former oil USTs.

- There were no reported concentrations of TRPH, TPH, or BTEX in the groundwater samples collected from wells at the Site.

SAM LETTER OF FEBRUARY 7, 1995

On February 7, 1995, Mr. Lars Skinner issued a letter regarding his review of the assessment report prepared by EBS. Mr. Skinner requested that the following be performed:

- Provide additional assessment of petroleum hydrocarbon-bearing soil in the following areas:

  — West/northwest of soil sample GES-11 and well MW-1;

  — West of soil sample OES-11;

  — Southwest of soil samples OES-12 and OES-13; and

  — Vertically below soil borings B-1 and B-4.

- Provide an estimate of the volume of petroleum hydrocarbon-bearing soil remaining on Site, and the mean and maximum TPH and TRPH concentration of this soil.

- Provide a contour map of TPH and TRPH concentrations remaining in the soil.

- Clarify the distribution of TPH and TRPH in soil.

- Provide an explanation for the distribution of TRPH-bearing soil.

- Perform additional groundwater monitoring and sampling.

WORKPLAN AND QUARTERLY GROUNDWATER MONITORING REPORT PREPARED BY EBS

On May 1, 1995, EBS submitted a workplan and quarterly groundwater monitoring report[2] to the SAM. Prior to preparing the May 1995 report, the three wells were monitored, purged, and sampled. Laboratory test results are presented in Table 4. Groundwater monitoring data are presented in Table 5. All samples were analyzed for the following:

- TRPH in general accordance with EPA Method 418.1;
- TPH in general accordance with modified EPA Method 8015;
- BTEX in general accordance with EPA Method 8020;
- Methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020; and
- Polynuclear aromatic hydrocarbons (PNA) in general accordance with EPA Method 8310.

All groundwater samples were reported to have no detectable concentrations of TPH, BTEX, MTBE, and PNA. TRPH concentrations ranged from 410 (sample MW-1) to 1,000 (sample MW-2) micrograms per liter (µg/*l*).

The workplan presented a scope of work intended to assess the shallow soil at the Site. This scope of work included the drilling, sampling, and logging of four soil borings; monitoring, purging and sampling of three wells; and laboratory analysis of collected soil and groundwater samples.

SAM WORKPLAN APPROVAL LETTER OF JUNE 19, 1995

On June 19, 1995, Ms. Carol Spangenberg of the SAM issued a workplan approval letter, which is included in the Appendix.

OBJECTIVES

The objectives of this scope of services were to:

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[2] Quarterly Groundwater Monitoring Report for the First Quarter of 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R. V. Center at 7601 Alvarado Road, La Mesa, California (Site).

- Further assess the extent of petroleum hydrocarbon-bearing soil in the vicinity of the former gasoline and new and used oil USTs at the Site.

- Assess shallow groundwater at the Site for flow direction, gradient, and concentration of dissolved petroleum hydrocarbons.

SCOPE OF SERVICES

The scope of services that were used to meet the objectives are as follows:

PREPARATION OF A SITE HEALTH AND SAFETY PLAN; PREPARATION OF SOIL BORING PERMIT APPLICATIONS; SUBCONTRACTOR MANAGEMENT AND SCHEDULING; AND UTILITY SEARCH AND MARK OUT

Preparation of a Site Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120. Therefore, a health and safety plan was prepared which outlined the potential chemical and physical hazards that may be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards were detailed in this plan. EBS and contracted personnel involved with the proposed field work were required to sign this document in order to encourage proper health and safety practices.

Preparation of Soil Boring Permit Applications

Because the soil borings were anticipated to intersect groundwater, soil boring permit applications were prepared. The permit applications were signed by the appropriately licensed professional and submitted to the SAM with the appropriate fee on August 29, 1995.

The permits were approved on September 5, 1995. Copies of the approved permits are included in the Appendix.

Subcontractor Management and Scheduling

Prior to mobilizing for field work, EBS notified and scheduled the appropriate subcontractors including, but not limited to, the laboratories (Transglobal Environmental Geochemistry [TEG] and Geotest), the drilling company (West HazMat Drilling Corp. [West Hazmat]), Underground Service Alert (USA), and the private utility search company (Cable Pipe Locators [CPL]).

Utility Search and Mark Out

As required by state law, EBS contacted USA prior to performing field work. USA issued ticket numbers 196-623 and 210-149. USA contacted Cox Cable, Mt. Helix Water District, Pacific Bell, San Diego Gas and Electric, the cities of La Mesa and San Diego, and the San Diego County water utility districts. In addition, before the soil borings were drilled, EBS retained the services of CPL to attempt to locate subsurface utilities and improvements at the Site to minimize the likelihood of drilling into an underground utility.

DRILLING, LOGGING, AND SAMPLING FOUR SOIL BORINGS TO MAXIMUM DEPTHS OF APPROXIMATELY 21 FEET BELOW GRADE; MONITORING, PURGING, AND SAMPLING THREE WELLS; AND LABORATORY ANALYSIS OF COLLECTED SOIL AND GROUNDWATER SAMPLES

Drilling, Sampling, and Logging Four Soil Borings to Maximum Depths of Approximately 21 Feet Below Grade

Drilling Procedures

In general accordance with the approved workplan, four soil borings (soil borings B-7, B-8, B-9[3], and B-10) were drilled, logged, and sampled to depths of approximately 21 feet below grade. Soil boring locations are shown in Figure 2. The soil borings were drilled in the vicinity of the western and southwestern perimeter of the former excavation at the Site. The proposed locations of the borings were intended to provide additional information about the possible migration of petroleum hydrocarbons west, northeast and southwest of the former USTs at the Site.

The soil borings were drilled by West Hazmat using a CME-75 drill rig equipped with an Odex casing advance drilling system. This system used a down-hole air percussion hammer to advance the boring. Casing is advanced as the borehole is deepened. This type of rig was used due to the difficult drilling conditions encountered previously at the Site (colluvium and alluvium with abundant gravel and cobble with caving soil).

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[3] Attempts were made to collect soil samples from soil boring B-9 at depths of approximately 15 and 20 feet below grade. The sample collected at a depth of approximately 15 feet below grade was judged to be possibly not representative based on the blow counts and the visual condition of the sample. Soil boring B-9A was drilled in the vicinity of soil boring B-9 in an attempt to collect a sample from a depth of approximately 15 to 16 feet below grade.

Soil cuttings were placed in appropriate 55-gallon drums and left on the Site pending disposal. Upon completion of drilling and sampling the soil borings, the boreholes were backfilled with a bentonite slurry from the bottom of the borehole to approximately 1 foot below grade. The upper foot was backfilled with concrete.

Sampling Procedures

A California-registered geologist was on the Site to observe the drilling activity and describe collected soil samples in general accordance with the Unified Soil Classification System. Soil boring logs are presented in the Appendix. Soil samples were generally collected at 5-foot intervals, at interpreted significant geologic contacts, and at the field interpreted water table.

During the drilling of the soil borings, soil samples were collected with a split-spoon type or similar sampler. In order to attempt to maximize the quality of the soil sample, the sampler was driven as far as possible from the bottom of the borehole.[4] The materials encountered during drilling limited the depth that the sampler could be driven. The sampler was "set" by driving the sampler an initial 6 inches[5] prior to driving the sampler to collect the sample. The initial 6 inches of sample collected in the sampler was discarded.

Soil samples were either collected in brass tubes or transferred to laboratory-supplied jars. When tubes were used, the tubes were covered with Teflon™ sheeting, tightly closed with end caps, and labeled. When laboratory-supplied jars were used, the jars were capped and labeled. All samples were either placed in an ice-filled chest or delivered immediately to an on-site mobile laboratory. Chain-of-custody procedures were implemented for sample tracking.

Decontamination Procedures

As required by San Diego County guidelines, a steam cleaner was on-site to steam-clean the augers, casing, and percussion hammer and connecting rods between each soil boring. The soil sampler was cleaned between sampling events with a four-bucket wash: a Alconox-water solution, followed by two tap water rinses, and a final spray rinse with distilled water. Steam cleaner and sampler cleaning water were placed in appropriate drums, labeled, and left on the Site.

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[4] This method was also followed in the previous soil sampling performed by EBS.

[5] The number of blow counts recorded in the soil boring logs reflects the blows after the initial drive to "set" the sampler.

Monitoring, Purging, and Sampling Three Wells

On November 27, 1995, three groundwater monitoring wells (MW-1, MW-2, and MW-3) were monitored, purged, and sampled. The wells were monitored with an electronic interface probe to measure depth to water and depth to product (if encountered). Monitoring data are shown in Table 5.

After the wells were monitored they were purged and sampled in general accordance with SAM guidelines. The wells were purged with a bailer. Purge water was placed in appropriate drums and left on-site. Approximately 1 borehole volume of water was purged from each well. After approximately 2 hours after purging, the wells did not recharge to at least 80 percent of the pre-purging water table. The wells were judged to be slow recharging and were sampled. Well purging logs are included in the Appendix.

Groundwater was sampled with a disposable bailer. The groundwater samples were decanted into laboratory-supplied vials, capped, labeled, and placed in an ice-filled chest or immediately delivered to an on-site mobile laboratory. Chain-of-custody procedures were implemented for sample tracking.

Laboratory Analysis of Collected Soil and Groundwater Samples

Soil Samples

All soil samples were delivered to an on-site mobile laboratory supplied by TEG and analyzed for the following:

- TPH[6] in general accordance with modified EPA Method 8015;
- TRPH in general accordance with EPA Method 418.1; and
- BTEX in general accordance with EPA Method 8020.[7]

In addition, the sample with the highest reported TRPH concentration (sample B9-10) was submitted to Geotest and analyzed for California Code of Regulations (CCR) Metals in general accordance with EPA Method 6010. This analysis was performed as required for soil disposal approval.

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[6] "Full scan" includes gasoline and diesel ranges.

[7] BTEX analysis was performed on the sample, per soil boring, with the highest reported TPH concentration, or if there were no reported TPH concentrations, the sample with the highest reported TRPH concentration.

TPH, TRPH, and BTEX results are shown in Figure 4, and Tables 6 and 7. Laboratory test reports are provided in the Appendix.

Groundwater Samples

Groundwater samples were delivered to an on-site mobile laboratory supplied by TEG and analyzed for the following:

- TPH[8] in general accordance with modified EPA Method 8015;
- BTEX in general accordance with EPA Method 8020; and
- TRPH in general accordance with EPA Method 418.1.

In addition, a duplicate set of groundwater samples was submitted to Geotest and analyzed for the following:

- HVOCs in general accordance with EPA Method 8010/8020; and
- MTBE in general accordance with EPA Method 8020.

Groundwater laboratory test results (with the exceptions of HVOCs and PNAs) are shown in Table 4. Laboratory test reports are attached.

FINDINGS

SITE GEOLOGY AND HYDROGEOLOGY

Geologic materials encountered during the most recent drilling activity were similar to those from previous assessment activities, with the exception that fill soil was not interpreted to have been encountered. A brief description of two units encountered during this phase of work is presented below:

Topsoil

Topsoil generally consisted of a dark brown silty sand/sandy silt (SM/ML). Topsoil was encountered to a maximum depth of approximately 12 feet below grade. The topsoil was observed to contain significant amounts of naturally occurring organic matter and be underlain by alluvium.

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[8] "Full scan" includes gasoline and diesel ranges.

Alluvium

Alluvium generally consisted of red brown gravel/silty gravel (GW/GM), yellow brown gravelly clayey sand (SC), and a distinctive and cemented yellow brown gravelly clayey sand (SC). The top of the cemented layer was generally encountered at a depth of approximately 10 feet below grade. It should be noted that the cemented layer appeared to dip to the west.

Hydrogeology

The shallow groundwater at the Site was generally encountered at a depth of approximately 4 to 9 feet below grade (Table 5). The shallow groundwater is interpreted to generally flow towards the west (Figure 5) at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance). The shallow groundwater at the Site is interpreted to be a perched along the top of the cemented layer.

SOIL SAMPLE ANALYTICAL RESULTS

Total Petroleum Hydrocarbons

Fifteen soil samples were collected and analyzed for TPH. Only one soil sample (sample B9-10) was reported to have detectable TPH concentrations. As shown in Table 6, sample B9-10 was reported to have TPH as gasoline and diesel concentrations of 25 and 63 mg/kg, respectively.

Total Recoverable Petroleum Hydrocarbons

Fifteen soil samples were tested for TRPH. As shown in Table 6, these soil samples were reported to have TRPH concentrations ranging from not detected to 4,550 mg/kg (sample B9-10). In general, the soil samples collected near the top of the cemented layer (samples B7-10, B8-10, B9-10, and B10-10) were reported to have the highest TRPH concentration per soil boring.

Benzene, Toluene, Ethylbenzene, and Xylenes

All soil samples were reported to have no detectable concentrations of benzene and ethylbenzene. With the exception of soil sample B9-10, all soil samples were reported to have no detectable concentrations of toluene and xylenes. As shown in Table 7, soil sample B8-12 was reported to have toluene and xylene concentrations of 0.110 and 0.066 mg/kg, respectively.

GROUNDWATER SAMPLES

Total Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TPH concentrations.

Total Recoverable Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TRPH concentrations.

Benzene, Toluene, Ethylbenzene, and Xylenes

All three groundwater samples were reported to have no detectable benzene concentrations. Only one sample (the sample collected from well MW-2) was reported to have detectable concentrations of toluene (32.9 µg/l), ethlybenzene (2.0 µg/l), and xylenes (12.5 µg/l).

Methyl Tertiary Butyl Ether

With the exception of the groundwater sample collected from well MW-2 (sample MW-2), all groundwater samples were reported to have no detectable concentrations of MTBE. As shown in Table 4, groundwater sample MW-2 was reported to have a MTBE concentration of 0.7 µg/l.

Halogenated Volatile Organic Compounds

All groundwater samples were reported to have no detectable concentrations of HVOCs.

DISCUSSION

DESCRIPTION OF RELEASE

Substance Released

As reported by Halliburton,[9] gasoline, diesel fuel, and new and used oil were released from the former USTs. Based on review of laboratory test results of soil samples collected by EBS, it is our professional opinion that the vast majority of petroleum hydrocarbons released to the shallow subsurface are typical of oil. The rationale for this opinion is as follows:

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[9] Interim Report on Soil Assessment and Mitigation for La Mesa RV Center, 7601 Alvarado Road, San Diego [sic], California report dated August 1992.

- The interpreted extent of gasoline- and diesel-bearing soil is limited to the immediate vicinity of the former USTs; TRPH-bearing soil appears to encompass a larger area.[10]

- An analysis of the reported TPH and TRPH concentrations of soil samples collected by EBS was performed in general accordance with the request and procedure detailed by Mr. Lars Skinner in his February 7, 1995, letter. The procedure used was to calculate the percentage of TRPH relative to TPH[11] in order to evaluate the amount of gasoline and diesel in relation to oil.

  The basis for this analysis is that the TRPH analysis (EPA Method 418.1) and TPH analysis (modified EPA Method 8015) have a slight overlap. The TRPH analysis quantifies petroleum hydrocarbons with carbon chain lengths of C_5 to C_{40}. This range includes gasoline, diesel, and waste oil. The TPH analysis performed by TEG quantified petroleum hydrocarbons with carbon chain lengths of C_5 to C_{24}. This range includes gasoline and diesel fuel, but not oil.

  The concentration of petroleum hydrocarbons with carbon lengths of C_{25} to C_{40} may be estimated using the difference between the reported TRPH and TPH concentrations. This carbon chain range includes oils, but not gasoline or diesel.

  The results of this analysis, as shown in Figure 6 and Table 8, indicate that the vast majority of reported petroleum hydrocarbons have carbon chain lengths of C_{25} to C_{40}. This suggests that the released petroleum hydrocarbons are predominantly oil.

- Selected soil samples were analyzed for BTEX. BTEX is a commonly found additive to gasoline and its presence is frequently an indicator of gasoline. Only relatively minor concentrations of BTEX compounds were reported. This suggests that gasoline was not a significant component of the released petroleum hydrocarbons.

- Groundwater samples were analyzed for PNAs. This analysis was performed per the request of the SAM. It is our understanding that

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[10] The interpreted extent of petroleum hydrocarbon-bearing soil is discussed in a following section.

[11] For this analysis TPH is the sum of the reported concentration of TPH as gasoline and as diesel. A value of zero was assigned to samples with "no detectable" concentrations.

naphthalene is a highly soluble component of diesel fuel and frequently used as an indicator of diesel fuel. The laboratory reported no detectable concentrations of PNAs. This suggests that diesel fuel was not a significant component of the released petroleum hydrocarbons.

- Groundwater samples have been analyzed for MTBE and for BTEX. These components are very soluble components of gasoline,[12] and their presence is frequently an indicator of gasoline. Only minor quantities of MTBE, toluene, ethlybenzene, and xylenes have been reported for the collected groundwater samples. This suggests that gasoline was not a significant component of the released petroleum hydrocarbons.

Mechanisms of Migration of Released Petroleum Hydrocarbons

Based on review of the laboratory test results and our understanding of the Site geology and hydrogeology, it appears that the released petroleum hydrocarbons migrated in two pathways as described below:

- Initially the petroleum hydrocarbons migrated vertically from the point of release[13] within the vadose zone.

- After the petroleum hydrocarbons migrated and intersected the cemented layer, the petroleum hydrocarbons generally migrated towards the west, either along the perched water table or along the top of the previously described cemented layer.

INTERPRETED EXTENT OF PETROLEUM HYDROCARBON-BEARING SOIL[14]

Interpreted Horizontal Extent of Petroleum Hydrocarbon-Bearing Soil

As shown in Figures 7 and 8, it is our interpretation that the horizontal extent of petroleum hydrocarbon-bearing soil has been assessed. The rationale for this interpretation is as follows:

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[12] MTBE is a gasoline additive.

[13] The exact location and mechanisms of the release(s) are unknown. However, it is assumed that the release(s) occurred from the UST system. The former USTs are assumed to be considered, for this discussion, the point of release.

[14] For discussion purposes only, petroleum hydrocarbon-bearing soil is defined as soil with TRPH concentrations in excess of 100 mg/kg.

- The highest reported TRPH concentrations were from soil samples collected at depths of approximately 8 to 10 feet below grade. This is consistent with the migration pathway along the perched water table as discussed above. Therefore, soil samples collected from depths of approximately 8 to 10 feet below grade have been used to assess the horizontal extent of petroleum hydrocarbon-bearing soil. Soil samples used to assess the horizontal extent of petroleum hydrocarbon-bearing soil are as follows:

  — The northern extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil samples GES-2, GES-3, GES-5 and B7-8.

  — The eastern extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil samples GES-5, MW3-8, and MW3-10.

  — The southern extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil sample B5-10.

  — The western extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil samples B6-8, B7-10, and B10-10.

Interpreted Vertical Extent of Petroleum Hydrocarbon-Bearing Soil

As in the March 1994 report,[15] it is our opinion that petroleum hydrocarbon-bearing soil extends to a maximum depth of approximately 15 feet below grade. The rationale for this opinion is as follows:

- The cemented layer encountered at the Site has acted as a confining layer for the perched groundwater. This layer would minimize the vertical downward movement not only of water, but also of petroleum hydrocarbons.

- Laboratory test results indicate that there is a marked decrease in TRPH concentrations between soil samples collected from the same soil boring

[15] Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site)

at depths of approximately 10 feet below grade and soil samples collected at depths of approximately 15 feet below grade. For example[16]:

- Soil samples B3-10' and B3-15' with TRPH concentrations of 904 and 17 mg/kg, respectively.
- Soil samples B7-10 and B7-16 with TRPH concentrations of 108 and <10 mg/kg, respectively.
- Soil samples B9-10' and B9-15' with TRPH concentrations of 4,550 and 79 mg/kg, respectively.
- Soil samples B10-10' and B3-15' with TRPH concentrations of 117 and <10 mg/kg, respectively.

- All soil samples collected from a depth of approximately 20 feet below grade were reported to have TRPH concentrations of less than 60 mg/kg as shown below:
  - Soil sample B4A-20 with a reported TRPH concentration of 27 mg/kg.
  - Soil sample B10-20 with a reported TRPH concentration of 19 mg/kg.
  - Soil sample MW1-20 with a reported TRPH concentration of 59 mg/kg.

Distribution of Petroleum Hydrocarbon-Bearing Soil

As previously stated, initially the released petroleum hydrocarbons migrated vertically from the point of release, and then migrated horizontally along the cemented layer. The soil excavation activity performed by Halliburton removed the majority of the petroleum hydrocarbon-bearing soil in the immediate vicinity of the former USTs. The remaining petroleum hydrocarbon-bearing soil is located in an approximately 7-foot thick zone, extending from approximately 7 to 14 feet below grade, along the top of the cemented layer.

As shown in Figure 8, the concentration distribution of petroleum hydrocarbon-bearing soil is as expected given the Site geology and hydrogeology and the nature of the release. The highest concentrations are generally in the immediate

[16] The examples include data only from soil borings from which soil samples were collected from depths of approximately 10 and 15 feet below grade.

vicinity of the former USTs. The concentrations of petroleum hydrocarbons generally decrease with distance from the former USTs.

VOLUME OF PETROLEUM HYDROCARBON-BEARING SOIL

Based on the available data, the volume of petroleum hydrocarbon-bearing soil remaining in place was estimated to be 1,212 cubic yards. The assumptions used in making this estimate are as follows:

- The areal extent of petroleum hydrocarbon-bearing soil is assumed to be rectangular with dimensions of approximately 85 feet in length and 55 feet in width.

- Hydrocarbon-bearing soil is limited to a layer encountered between approximately 7 and 14 feet below grade.

Based on these assumptions, the volume of petroleum hydrocarbon-bearing soil is estimated as follows:

- 85 ft. x 55 ft. x 7 ft. = 32,725 cubic feet

- 32,725 cubic feet x (1 cubic yard/27 cubic feet) = 1,212 cubic yards

ASSESSMENT OF GROUNDWATER QUALITY AT THE SITE

It is our opinion that groundwater at the Site has not been impacted[17] by release(s) from the former USTs. In addition, because the vast majority of the petroleum hydrocarbons present in the shallow soil appears to be similar to oil, and the solubility of oil in water is extremely low, it is our opinion that there is a low likelihood that the petroleum hydrocarbon-bearing soil remaining in place will result in impact to the shallow groundwater.

There have been three groundwater monitoring events at this Site. As shown in Table 4, at no time has any concentration of BTEX been reported to exceed maximum contaminant levels[18] (MCLs) for drinking water. It should be stressed that all of the groundwater samples were reported to have no detectable benzene concentrations (Table 4).

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[17] Impact to groundwater for the purposes of this report is defined as concentrations of petroleum hydrocarbons that exceed MCLs, as defined in CCR Title 22, or the presence of free product or groundwater.

[18] MCL as defined in California Code of Regulations, Title 23.

MTBE was only reported to be detectable in one sample collected. Groundwater sample MW-2, collected on November 28, 1995, was reported to have an MTBE concentration of 0.7 µg/l. It should be noted that the detection level for MTBE was 0.6 µg/l. It should be noted the State action level for MTBE is 35 µg/l

In addition to TPH, TRPH, BTEX, and MTBE, groundwater samples collected during this and previous groundwater sampling events have been analyzed for PNAs and HVOCs. There have been no reported detectable concentrations of PNAs or HVOCs.

Detectable concentrations of TRPH were reported in collected groundwater samples. However, it should be noted that there are no known action levels for dissolved concentrations of TRPH in groundwater.

There are various means to estimate the potential for impact to groundwater from the release(s) from the former USTs. These methods may include modeling the solubility and transportation of petroleum hydrocarbons to groundwater, or using laboratory test methods to mimic the potential for leaching. All of these methods are indirect methods and as such are limited by the assumptions incorporated into the methodology.

At this Site we have a direct method of estimating the potential impact to groundwater. The USTs were removed almost eight years ago, and at that time evidence of a release from the USTs was noted. It is reasonable to assume that the release(s) had occurred prior to the time of the UST removal. However, at a minimum, petroleum hydrocarbon-bearing soil has been in contact with groundwater for at least eight years, and to date, there has been no evidence to indicate that groundwater has been impacted. This is strong direct evidence to suggest that the potential for future impact to groundwater is very low.

POTENTIAL RISK OF THE PRESENCE OF PETROLEUM HYDROCARBON-BEARING SOIL AT THE SITE

Potential Risk to Human Health[19]

It is our judgment that there is a very low risk to human health due to the presence of petroleum hydrocarbon-bearing soil at the Site. Our reasons for this judgment are as follows:

- The remaining petroleum hydrocarbon-bearing soil is located at least 7 feet below grade. This 7-foot separation from the surface to the zone of petroleum hydrocarbon-bearing soil effectively prevents human contact

[19] Potential risks to human health are based on the current Site land use.

with the soil, and therefore the potential for ingestion or for dermal exposure.

- The vast majority of released petroleum hydrocarbons are typical of oil. Laboratory test reports indicate that there is a very low concentration of BTEX in the soil. Therefore, the potential for the migration of vapors with BTEX concentrations which may pose a threat to human health is very low to nonexistent.

Also no PNAs

Potential Risk to Groundwater

As previously stated, due to the nature of the petroleum hydrocarbons present in soil, there is a very low potential risk to the shallow groundwater.

CONCLUSIONS

Based on the data reviewed and obtained as part of this assessment, current regulatory guidelines, and our experience, in our professional judgement we have drawn the following conclusions:

- The vast majority of the petroleum hydrocarbons released from the former USTs are typical of oil.
- The interpreted horizontal and vertical extent of petroleum hydrocarbon-bearing soil has generally been assessed.
- Approximately 1,200 cubic yards of petroleum hydrocarbon-bearing soil is present in the immediate vicinity of the former USTs.
- There is a low likelihood that the shallow groundwater at the Site has been impacted from a release(s) from the former USTs.

RECOMMENDATIONS

- Because the remaining petroleum hydrocarbon-bearing soil is judged not to pose a risk to public health nor present a potential impact to groundwater, the SAM should consider issuing a "no further action" letter (site closure).
- After receiving site closure, the Client should consider properly destroying the existing three groundwater monitoring wells.

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

July 18, 1996
Project Number: 94E1163.6

Ms. Carol Spangenberg
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

RE: Proposed Groundwater Monitoring Well Destruction Activities Performed Pursuant to the Approval of the San Diego County Site Assessment and Mitigation Division (SAM) at La Mesa R.V. Center, 7601 Alvarado Road, La Mesa, California

Dear Ms. Spangenberg:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter (Letter) regarding the proposed groundwater monitoring well destruction activities. Please find enclosed a copy of the well destruction permit that was submitted on July 12, 1996. We understand that Ms. Helen Dennin has approved the well destruction permit as of our conversation with her on July 15, 1996. The well destruction activities are scheduled for July 30, 1996. The wells will be destroyed in general accordance with SAM guidelines and the conditions of the approved well destruction permit. Cuttings and well destruction materials generated during the well destruction activities will be properly disposed of.

Lemon St 96161

In addition, on July 10, 1996, five soil drums were removed from the site and transported to Soil Wash Technologies, Inc. for treatment and disposal. A copy of the waste manifest is attached.

It has been a pleasure working with you on this project. If you have any questions or concerns, please do not hesitate to contact our office at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Steven R. Truesdale
Staff Geologist

Barry S. Pulver
Principal

ADH/93E11636.ltr
Enclosures

SOIL WASH TECHNOLOGIES, INC

CORPORATE HEADQUARTERS
215 North Marengo Avenue, Suite 110
Pasadena, California 91101-1501
Telephone: (818) 793-2435
Facsimile: (818) 568-1629
Contractor's License #680921

265-001

NON-HAZARDOUS MANIFEST

TO BE COMPLETED BY GENERATOR

NAME LA MESA RV CENTER CONTACT: JIM BUCKNER
ADDRESS 7601 ALVERADO ROAD PHONE NO. (619) 462-5880 x 250
CITY LA MESA STATE CA ZIP 92041
SITE ADDRESS: 7601 ALVERADO ROAD, LA MESA

CONTAINERS: No. 5 VOLUME/CY _____ WEIGHT/TONS _____
TYPE: ☐ TRANSFER TRUCK ☐ END DUMPTRUCK ☒ DRUMS ☐ ROLL-OFF ☐ OTHER _____
WASTE DESCRIPTION (eg. gasoline contaminated soil from leaking U.S.T.): NON-HAZARDOUS GASOLINE HYDROCARBON CONTAMINATED SOIL.

HANDLING INSTRUCTIONS: _____

SIGNATURE: [illegible] DATE 7/[illegible]
PRINT NAME & TITLE [illegible]

THE GENERATOR / AGENT CERTIFIES THAT THE WASTE IS NON-HAZARDOUS

TRANSPORTER

NAME SOIL WASH TECHNOLOGIES INC PURCHASE ORDER NO. # 265
ADDRESS 9310 FRIARS ROAD PICK UP DATE: 7-10-96
CITY SAN DIEGO STATE CA ZIP 92 TRUCK UNIT I.D. NO. _____
PHONE NO. (619) 521 8547

SIGNATURE: [illegible] DATE 7-10-96
PRINT NAME & TITLE ARBY T. WEAVER

FACILITY

NAME SOIL WASH TECHNOLOGIES, INC PURCHASE ORDER/CONTRACT NO. # 265
ADDRESS 9310 FRIARS ROAD SWTI PROJECT NO. _____
CITY SAN DIEGO STATE CA ZIP 92108
PHONE NO. (619) 521-8547

SIGNATURE: [illegible] DATE [illegible]
PRINT NAME & TITLE ARBY T. WEAVER

DISCREPANCY / COMMENTS: _____

LUCE, FORWARD, HAMILTON & SCRIPPS LLP
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
INTERNET: SMARSH@LUCE.COM

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ENVIRONMENTAL
HEALTH SERVICES

05826-0022

June 11, 1996

Ms. Carol Spangenberg
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

Re: La Mesa RV Center, 7601 Alvarado Road, La Mesa, California

see "Technical Reports" Section for this report

Dear Ms. Spangenberg:

Enclosed is the May 2, 1996 *Report of Groundwater Assessment Activities For the Property at 7601 Alvarado Road, La Mesa, California*, prepared by Environmental Business Solutions, Inc. On the basis of this report, previous environmental investigations of soil and groundwater and removal of approximately 400 cubic yards of impacted soils, we are requesting that a "no further action" letter be issued for the subject site.

The following is a summary of soil and groundwater investigations conducted at the subject facility by various environmental consulting firms. Our request for a "no further action" letter is based on the information provided in these reports.

ENVIRONMENTAL SUMMARY

La Mesa RV Center engages in the sale and maintenance of recreational vehicles. Several office, sales, storage, and service/maintenance structures are located on the subject site and most of the surface has been paved with asphaltic concrete with a few areas of vegetation. Four underground storage tanks (USTs) were located in the southern portion of the subject site and were removed in February 1988. One 550-gallon UST stored used oil, two 550-gallon USTs stored new oil, and one 2,000-gallon gasoline/diesel UST. According to the San Diego County Hazardous Materials Management Division (HMMD) inspector, each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. The inspector did not note any adverse impacts to groundwater during the USTs' removal, although perched groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Six soil samples from the UST excavation were collected and analyzed. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. Three additional soil samples were collected from the new and used oil area of the UST excavation in May 1988 and detectable concentrations of TRPH were found in each of the three samples analyzed.

A removal program was conducted at the subject site in March 1992 in which approximately 400 cubic yards of soil was excavated in the vicinity of the former USTs. Confirmation soil samples collected and analyzed after the excavation project indicated that concentrations of both TPH and TRPH remained in the vicinity of the excavation.

Eleven soil borings were drilled at the subject site in February 1994, with three of these borings converted to groundwater monitoring wells. Shallow groundwater beneath the subject site was encountered at a depth of approximately 4 to 9 feet below grade and appeared to flow generally toward the west at a gradient of about 0.08. Thirty soil samples were collected and tested for TPH as gasoline (TPH-gas) and diesel (TPH-diesel). Soil samples with reported concentrations of TPH were only identified in three soil borings. TPH-gas concentrations ranged from 14 to 174 mg/kg and TPH-diesel concentrations ranged from 14 to 271 mg/kg. Thirty soil samples were analyzed for TRPH and ten of the eleven soil borings showed detectable concentrations ranging from 11 to 9,140 mg/kg. The sample with the highest TPH-gas and TRPH concentrations was analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and aromatic hydrocarbons. No concentrations of BTEX or aromatic hydrocarbons were found in the sample. Organic lead was identified at a concentration of 1.5 mg/kg in one soil sample.

Samples from the three groundwater monitoring wells were analyzed. There were no concentrations of TPH-gas, TPH-diesel, or BTEX identified in any of the samples. One groundwater sample showed a concentration of 0.002 mg/l total lead.

Additional assessment activities were conducted at the subject site in November 1995. Three soil borings were drilled and a round of monitoring, purging and sampling of the three wells was conducted. TRPH, TPH-gas, TPH-diesel and benzene concentrations were not found in any of the groundwater well samples analyzed. Concentrations of toluene (32.9 ug/l), ethylbenzene (2.0 ug/l), total xylenes (12.5 ug/l), and MTBE (0.7 ug/l), none of which exceed MCL's or recommended action levels, were identified in one well.

In March 1996, the three groundwater monitoring wells were monitored, purged, and sampled. Laboratory analytical results indicate that no TRPH, TPH-gas, TPH-diesel, BTEX, or MTBE were detected in groundwater samples collected from the three monitoring wells.

CONCLUSION

On the basis of soil sample analytical results, the horizontal extent of petroleum hydrocarbon impacted soils is limited to the immediate vicinity of the former UST excavation and to a maximum vertical depth of approximately 15 feet below grade. Groundwater has not been impacted by releases from the former underground storage tanks (USTs). Four groundwater monitoring events have been conducted at the subject site over a period of two years. At no time has any concentration of BTEX been reported to exceed maximum contaminant levels (MCLs) for drinking water nor have any detectable levels of benzene ever been reported. The subject site has been adequately characterized and does not pose a threat to human health or the environment. Furthermore, based on these facts, the La Mesa RV site meets the April 1, 1996 Regional Water Quality Control Board *Interim Guidance on Required Cleanup at Low-Risk Fuel Contaminated Sites* criteria for a "low risk soils only case." As a result, we are requesting that a "no further action" letter be issued for the La Mesa RV site at your earliest convenience.

Very truly yours,

Christine Baumgardt for

Stephen L. Marsh
of
Luce, Forward, Hamilton & Scripps

cc: Mr. Jim Buckner, w/o enclosure
Mr. John Odermatt, RWQCB
Ms. Christine Baumgardt, w/o enclosure

Encl.

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

FACSIMILE COVER LETTER

Date: 6/18/96

Number of Pages: 3
(including cover page)

Fax#: 338-2377

Please deliver the following pages to:

Name: CAROL SPANGENBERG

Company: SAM

Telephone #:

Transmittal from:

Name: STEVE TRUESDALE

Comments: AS DISCUSSED -

Hard copy to follow in the mail: O Yes O No

Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is privileged and confidential information for the use of the individual or entity named above. If the reader of this message is not the intended recipient or employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any discrimination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error or are not certain whether it is privileged, please notify us immediately by telephone, collect and return the original message to us at the address below via the U.S. Postal Service at our expense. Thank you.

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If you have trouble receiving this information, or if you did not receive the specified number of pages shown above, please call (619) 571 - 5500.

City of La Mesa

RECEIVED

MAY 31 1996

Environmental Business Solutions, Inc

May 29, 1996

Environmental Business Solutons
8799 Balboa Avenue, Suite 290
San Diego, Ca 92123

ATTN: Steven Truesdale

Enclosed is a signed batch discharge authorization for the discharge of ground water to La Mesa's sewer main as indicated on the permit.

Very truly yours,

Driss Elwardi
Utility Engineer

cc: Ind. Waste Program
9192 Topaz Way
San Diego, CA 92123-1119

Return to: Industrial Waste Program
9192 Topaz Way
San Diego, CA 92123-1119
Phone (619) 654-4100
Fax (619) 654-4110

CITY OF SAN DIEGO
METROPOLITAN WASTEWATER DEPARTMENT
Industrial Waste Pretreatment Program

Groundwater Batch Discharge Authorization Request

Mailing Information

Attention: STEVEN TRUESDALE

Company: ENVIRONMENTAL BUSINESS SOLUTIONS

Street: 8799 BALBOA AVENUE SUITE 290

City: SAN DIEGO State: CA Zip: 92123

APPROVED BY

THE INDUSTRIAL WASTE PROGRAM

DATE 5/20/96

Facility Information

Facility Contact: STEVEN TRUESDALE Title: ASST. STAFF GEOLOGIST

Phone: 571-5500 Fax: 571-5357

Facility Name: LA MESA RV CENTER

Facility Address: 7601 ALVARADO ROAD, LA MESA, CA 92041

Billing Address (if different):

Wastewater Information

Describe process generating wastewater: PURGED GROUNDWATER FROM THREE GROUNDWATER MONITORING WELLS.

List known and suspected contaminants: NON DETECT FOR TEPH, TPH, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, MTBE FLASHPOINT >212°F

Describe any wastewater pretreatment methods used: N/A

Volume of wastewater to be discharged: 110 GALLONS APPROX. Flow 25 GALLONS.

Description of discharge point, include address and map as needed: SEWER MANHOLE USED FOR RECREATIONAL VEHICLE SEWAGE HOLDING TANK CLEAN OUT

Proposed Date(s) of Discharge: 5/24/96 Time: 12:00.

Lab Analysis

Attach a copy of lab analysis. For hydrocarbon only contaminated sites, analysis must include: Oil & Grease (or TPH), Total Lead, Benzene, and Flash Point. For sites with contamination other than hydrocarbons, please contact the Industrial Waste Program for guidance prior to having the analysis performed. ***Samples used for analysis must be representative of the wastewater to be discharged.***

Approval does not relieve the discharger of obligations regarding compliance with any and all applicable local, State, and Federal pretreatment standards or hazardous waste disposal requirements including any such standards or requirements that may become effective after the issuance of approval.

Signature [signature] Date 5/17/96

Print Name STEVEN P TRUESDALE

RECEIVED
MAY 6 12 33 PM '96
ENVIRONMENTAL
HEALTH SERVICES

ENVIRONMENTAL
BUSINESS
SOLUTIONS
Inc.

May 2, 1996
Project Number: 93E1163.2

Copy No. 4

Ms. Carol Spangenberg
County of San Diego
Site Assessment and Mitigation Division
1255 Imperial Avenue, 3rd Floor
P.O. Box 85261
San Diego, California 92186-5261

RE: Report of Groundwater Assessment Activities Performed Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R.V. Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Ms Spangenberg:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter report (Report) which summarizes the results of a groundwater assessment recently performed at the Site. The work described in this report was conducted in general accordance Exhibit "2" to the Consulting Agreement (Contract) between EBS and La Mesa R.V., Inc. (Client). The Contract was fully executed on February 3, 1994.

SITE INFORMATION

SITE LOCATION/DESCRIPTION

The Site is located in a commercial/retail portion of the City of La Mesa (Figure 1). Topographically, the Site is located along a relatively level terrace. Steep slopes are located along the southern portion of the Site.

The Site is used as a recreational vehicle sales and service facility. Site improvements include offices, showrooms, service bays, and associated driveways and parking areas. The northern portion of the Site is generally used for showrooms, vehicle parking, and sales offices. The southern portion of the Site is used for the repair and servicing of vehicles. Four underground storage tanks (USTs) were formerly located in the southern portion of the Site (Figure 2).

SITE IDENTIFICATION

Site Name:	La Mesa R. V. Center
Site Location:	7601 Alvarado Road, La Mesa, California 92041
SAM Case Number:	HO2651-001, T0427

BACKGROUND

The following background information is from previously reported data and reports prepared by others and by EBS. Four USTs of various capacities were removed from the Site. The USTs stored new oil, used oil, and gasoline. The USTs were located immediately to the west and south of a service bay building at the Site (Figure 2). The four USTs consisted of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

UST REMOVAL OF FEBRUARY 1988

The USTs were removed in February 1988 by Alm Services (Alm). The "Abandoned Underground Tank Report" prepared for the Site by the San Diego County Hazardous Materials Management Division (HMMD) inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs' removal, although groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Correspondence from Alm to the HMMD in March 1988 indicated that six soil samples from the UST excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May 1988, Alm was reported to have collected an additional three samples from the new and used oil area of the UST excavation. Detectable concentrations of TRPH were found in each of the three samples.

ASSESSMENT/REMEDIATION ACTIVITIES PERFORMED BY HALLIBURTON NUS IN MARCH 1992

In March 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted an exploratory excavation program at the Site. Approximately 400 cubic yards of soil was excavated from the vicinity of the former USTs. Numerous confirmation samples were collected during the excavation program. Confirmation samples indicated that soil with concentrations of both TPH and TRPH remained in the vicinity of the excavation.

WORKPLAN PREPARED BY EBS IN NOVEMBER 1993

In November 1993, EBS submitted a workplan to Mr. Lars Skinner of the SAM for review and approval. The workplan described an assessment which included the following:

- Drilling and sampling of seven soil borings and converting three of the soil borings to groundwater monitoring wells (wells);
- Monitoring, purging, and sampling the three wells; and
- Performing laboratory analysis on the collected soil and groundwater samples.

The workplan was approved by Mr. Skinner on December 9, 1993.

SOIL AND GROUNDWATER ASSESSMENT PERFORMED BY EBS IN FEBRUARY 1994

In February 1994, 11 soil borings (B-1, B-1A, B-2, B-3, B-4, B-4A, B-5, B-6, MW-1, MW-2, and MW-3) were drilled, three of which were converted to groundwater monitoring wells MW-1, MW-2, and MW-3. Work performed during this investigation included the collection and analysis of soil and groundwater samples. A report[1] summarizing the assessment activities was prepared and submitted to the SAM in March 1994.

Site Hydrogeology

The Site is interpreted to be located in the Mission San Diego Hydrologic Subarea of the Lower San Diego Hydrologic Area of the San Diego Hydrologic Unit. According to the Regional Water Quality Control Board (RWQCB), groundwater within this hydrologic subarea has existing or potential beneficial uses for municipal, agricultural, and/or industrial supplies.

The hydrologic areas and water use designations were presented in the RWQCB's "Comprehensive Water Quality Plan" (Plan) originally adopted in 1974. Recent amendments to the Plan, adopted in September 1994 by the RWQCB, were reviewed and used in the preparation of this Report.

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[1] Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site).

As previously reported, the shallow groundwater at the Site is generally encountered at a depth of approximately 4 to 9 feet below grade. The shallow groundwater is interpreted to flow generally towards the west at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance).

SAM LETTER OF FEBRUARY 7, 1995

On February 7, 1995, Mr. Lars Skinner issued a letter regarding his review of the assessment report prepared by EBS, and subsequently requested that additional assessment of petroleum hydrocarbon-bearing soil and groundwater be performed.

WORKPLAN AND QUARTERLY GROUNDWATER MONITORING REPORT PREPARED BY EBS

On May 1, 1995, EBS submitted a workplan and quarterly groundwater monitoring report[2] to the SAM. Prior to preparing the May 1995 report, the three wells were monitored, purged, and sampled.

The workplan presented a scope of work intended to assess the shallow soil at the Site. This scope of work included the drilling, sampling, and logging of four additional soil borings; monitoring, purging and sampling of three wells; and laboratory analysis of collected soil and groundwater samples.

SAM WORKPLAN APPROVAL LETTER OF JUNE 19, 1995

On June 19, 1995, Ms. Carol Spangenberg of the SAM issued a workplan approval letter.

REPORT PREPARED BY EBS

In November, 1995, EBS conducted additional assessment activities at the Site which included drilling three soil borings and an additional round of monitoring, purging and sampling the three wells. Work performed during this investigation included

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[2] Quarterly Groundwater Monitoring Report for the First Quarter of 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R. V. Center at 7601 Alvarado Road, La Mesa, California (Site).

the collection and analysis of soil and groundwater samples. A report[3] summarizing the assessment activities was prepared and submitted to the SAM in March 1996.

OBJECTIVES

The objectives of this scope of services were to:

- Assess shallow groundwater at the Site for flow direction, gradient, and concentration of dissolved petroleum hydrocarbons.

SCOPE OF SERVICES

The scope of services that were used to meet the objectives are as follows:

AMENDMENTS TO THE PREVIOUSLY PREPARED SITE HEALTH AND SAFETY PLAN, SUBCONTRACTOR SCHEDULING, AND PROJECT MANAGEMENT

Preparation of a Site Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120. Therefore, the previously prepared health and safety plan, which outlined the potential chemical and physical hazards that may be encountered during sampling activities, was amended for the current work scope. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards were detailed in this plan. EBS personnel involved with the proposed field work were required to sign this document in order to encourage proper health and safety practices.

Subcontractor Management and Scheduling

Prior to mobilizing for field work, EBS notified and scheduled the analytical laboratories (Transglobal Environmental Geochemistry [TEG] and Geotest).

MONITORING, PURGING, AND SAMPLING THREE WELLS

On March 31, 1996, three groundwater monitoring wells (MW-1, MW-2, and MW-3) were monitored, purged, and sampled. The wells were monitored with an electronic

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[3] Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site).

interface probe to measure depth to water. The interface probe is reported to measure groundwater level to within an accuracy of 1/100 foot. No free floating petroleum product was encountered during the monitoring activities. Both current and historical monitoring data are shown in Table 1.

After the wells were monitored they were purged and sampled in general accordance with SAM guidelines. Wells MW-1 and MW-3, were purged with a bailer. Purge water was placed in appropriate drums and left on-site. Well MW-2 was purged with a submersible pump. Approximately 1.5 borehole volumes of water was purged from each well. After approximately 2 hours after purging, the wells did not recharge to at least 80 percent of the pre-purging static water level. The wells were judged to be slow recharging and were sampled.

Groundwater was sampled with a disposable bailer. The groundwater samples were decanted into laboratory-supplied vials, capped, labeled, and placed in an ice-filled chest. Chain-of-custody procedures were implemented for sample tracking.

Laboratory Analysis of Collected Groundwater Samples

Groundwater samples were kept in an ice-filled cooler until analysis by TEG and analyzed for the following:

- TPH[4] in general accordance with modified EPA Method 8015;
- BTEX in general accordance with EPA Method 8020; and
- TRPH in general accordance with EPA Method 418.1.

In addition, a duplicate set of groundwater samples was submitted to Geotest and analyzed for the following:

- MTBE in general accordance with EPA Method 8020.

Groundwater laboratory test results are shown in Table 2. Laboratory test reports are attached.

---

[4] "Full scan" includes gasoline and diesel ranges.

FINDINGS

HYDROGEOLOGY

The shallow groundwater at the Site was generally encountered at a depth of approximately 4 to 8 feet below grade. The shallow groundwater is interpreted to generally flow towards the west (Figure 2) at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance).

GROUNDWATER SAMPLES

Total Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TPH concentrations.

Total Recoverable Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TRPH concentrations.

Benzene, Toluene, Ethylbenzene, and Xylenes

All groundwater samples were reported to have no detectable BTEX concentrations.

Methyl Tertiary Butyl Ether

All groundwater samples were reported to have no detectable MTBE concentrations.

DISCUSSION

- Groundwater samples have been analyzed for MTBE and for BTEX. These are typically very soluble components of gasoline,[5] and their presence is frequently an indicator of gasoline. No detectable concentrations of MTBE or BTEX were reported for the collected groundwater samples.

- Groundwater samples were also analyzed for TPH and TRPH. No detectable TPH or TRPH concentrations were reported for the collected groundwater samples.

---

[5] MTBE is a gasoline additive.

- Groundwater samples have previously been analyzed for polynuclear aromatic hydrocarbons[6] (PAHs). No detectable PAH concentrations were reported for the collected groundwater samples.

ASSESSMENT OF GROUNDWATER QUALITY AT THE SITE

Based on the groundwater samples collected from the Site to date, it is our opinion that groundwater at the Site has not been impacted[7] by release(s) from the former USTs.

There have been four groundwater monitoring events at this Site. As shown in Table 2, at no time has any concentration of BTEX been reported to exceed maximum contaminant levels[8] (MCLs) for drinking water. It should be stressed that all of the groundwater samples were reported to have no detectable benzene concentrations (Table 2).

No detectable MTBE concentrations were reported during this round of sampling. Groundwater sample MW-2, collected on November 28, 1995, was reported to have an MTBE concentration of 0.7 µg/l. It should be noted that the detection level for MTBE was 0.6 µg/l. The State "action level" for MTBE is 35 µg/l.

No detectable concentrations of TPH or TRPH were reported in collected groundwater samples.

CONCLUSIONS

Based on the data reviewed and obtained as part of this assessment, current regulatory guidelines, and our experience, in our professional judgement we have drawn the following conclusions:

- There is a low likelihood that the shallow groundwater at the Site has been impacted from a release(s) from the former USTs.

---

[6] Quarterly Groundwater Monitoring Report for the First Quarter of 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R. V. Center at 7601 Alvarado Road, La Mesa, California (Site).

[7] Impact to groundwater for the purposes of this report is defined as concentrations of chemicals that exceed MCLs, as defined in CCR Title 22, or the presence of free product or groundwater.

[8] MCL as defined in California Code of Regulations, Title 23.

RECOMMENDATIONS

- We recommend, based on the groundwater sample analytical results collected at the Site to date, that the SAM consider issuing a "no further action" letter (Site closure).

- After receiving Site closure, the Client should consider properly destroying the existing three groundwater monitoring wells.

We have enjoyed working with you on the important project. If we may be of further assistance or you have any question, please feel free to contact the undersigned at 619-571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Steven R. Truesdale
Staff Geologist

Barry S. Pulver, CEG 1364
Principal

Daniel E. Johnson
Principal

SRT20/93E11632.rpt
Enclosures

cc: Mr. James Buckner - La Mesa R.V., Inc.
Stephen L. Marsh, Esq - Luce, Forward, Hamilton & Scripps

REPORT USAGE AND FUTURE SITE CONDITIONS

This report is intended for the sole usage of La Mesa R.V. Center, its designated agents, and the SAM. Use of this report is subject to the provisions of the fully executed Consulting Agreement (Contract) between La Mesa R.V. Center and Environmental Business Solutions, Inc. Any third party usage of this report shall be subject to the provisions of the Contract and any unauthorized misuse of or reliance upon the report shall be without risk or liability to Environmental Business Solutions, Inc.

The conclusions of this report are judged to be relevant at the time the work described in this report was conducted. Future conditions may differ and this report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of environmental assessments in San Diego County is consulted to assess the necessity of updating this report.

Although this assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include, but are not limited to: 1) our reliance on inadequate or inaccurate information rightfully provided to us by third parties, such as public agencies and other outside sources; 2) the limited scope of this assessment; 3) the presence of undetected, unknown or unreported environmental releases; and 4) the heterogeneous and complex nature of subsurface materials.

TABLES

TABLE 2

GROUNDWATER SAMPLE TEST RESULTS
TRPH, TPH_g and TPH_d, BTEX and MTBE

WELL NUMBER	SAMPLE DATE	TRPH (µg/ l)	TPH_g (µg/ l)	TPH_d (µg/ l)	B (µg/ l)	T (µg/ l)	E (µg/ l)	X (µg/ l)	MTBE (µg/ l)
MW-1	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	410	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
	3/31/96	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
MW-2	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	1,000	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	32.9	2.0	12.5	0.7
	3/31/96	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
MW-3	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	950	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
	3/31/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6

Notes:

1. Samples were tested for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015, and for benzene (B), toluene (T) ,ethylbenzene (E), total xylenes (X), and methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020.

2. --- = Sample not tested for corresponding constituent.

3. All sample results are reported in micrograms per liter (µg/l).

4. With the exception of the MTBE analysis, the groundwater samples collected in March 1996 were analyzed by TEG.

TABLE 1

GROUNDWATER MONITORING RESULTS

WELL NUMBER	DATE	DEPTH TO WATER	DEPTH TO PRODUCT	TOC-ELEV	ELEV-GW
MW-1	2/17/94	8.01	***	97.93	89.92
	3/28/95	7.65	***		90.28
	11/28/95	7.88	***		90.05
	3/31/96	7.77	***		90.16
MW-2	2/17/94	8.71	***	98.53	89.82
	3/28/95	8.28	***		90.25
	11/28/95	8.50	***		90.03
	3/31/96	8.40	***		90.13
MW-3	2/17/94	4.65	***	98.89	94.24
	3/28/95	4.56	***		94.33
	11/28/95	4.63	***		94.26
	3/31/96	4.18	***		94.71

Notes:

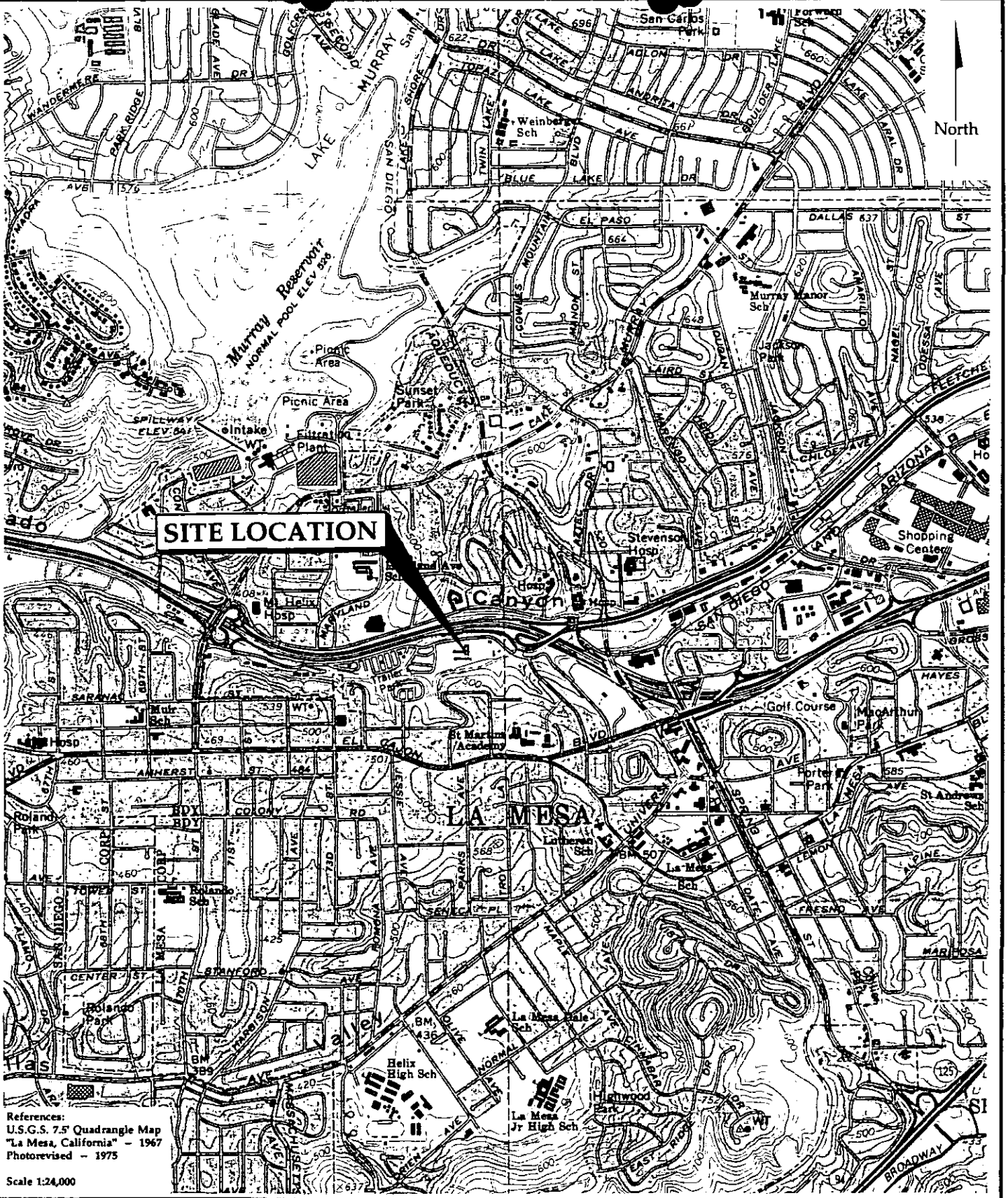
1. All measurements in feet.

2. TOC-ELEV = Elevation of the top of casing in feet above mean sea level (msl). TOC-ELEV from survey performed by Hopwood Surveying on February 26, 1994.

3. ELEV-GW = Elevation of groundwater as measured in well in feet (msl).

4. *** = Product not encountered in well.

FIGURES



ENVIRONMENTAL BUSINESS SOLUTIONS, Inc.

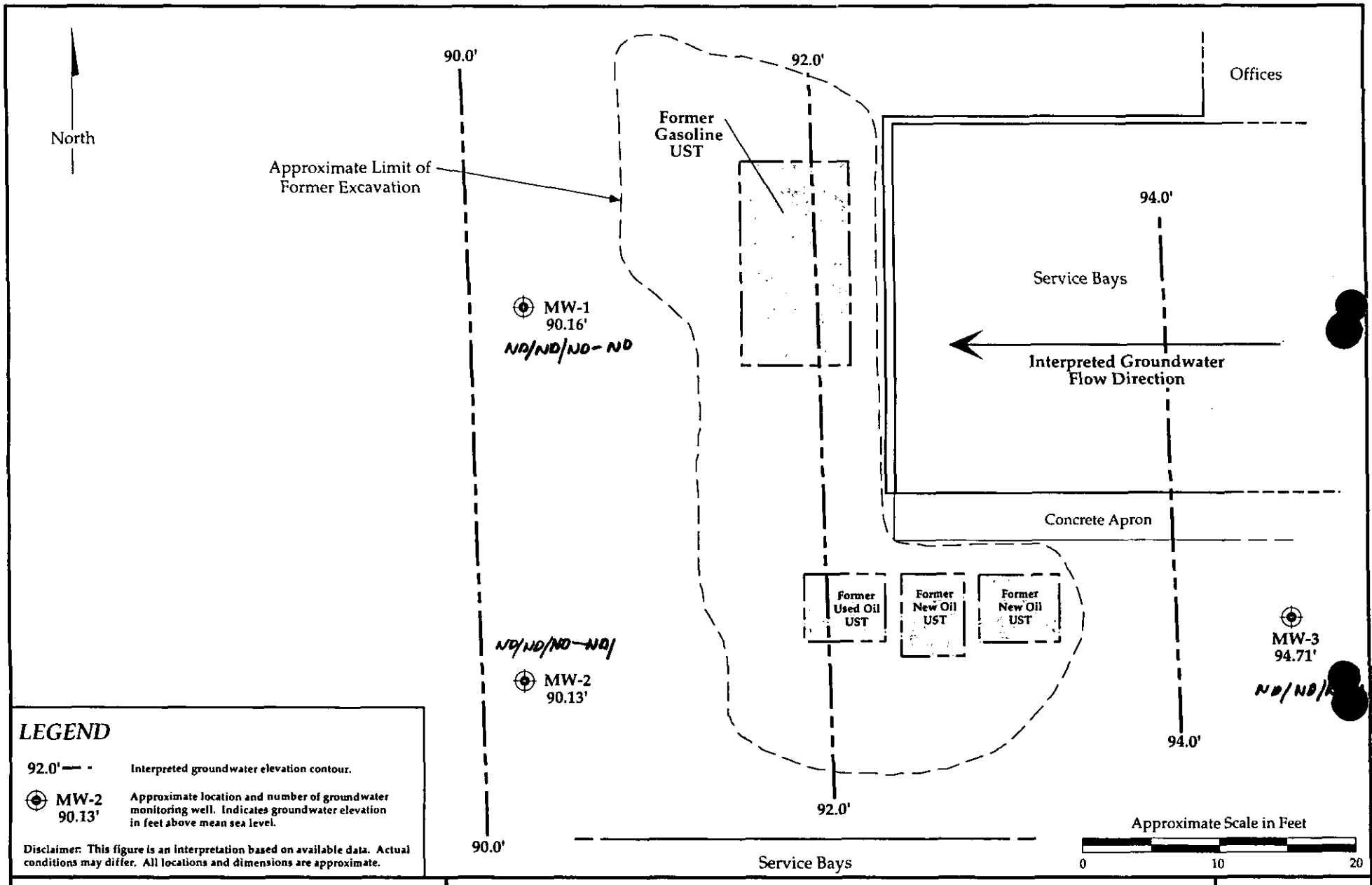
"Providing Economic Environmental Solutions to the Business Community"

Site Location Map

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 1



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"Providing Economic Environmental Solutions to the Business Community"

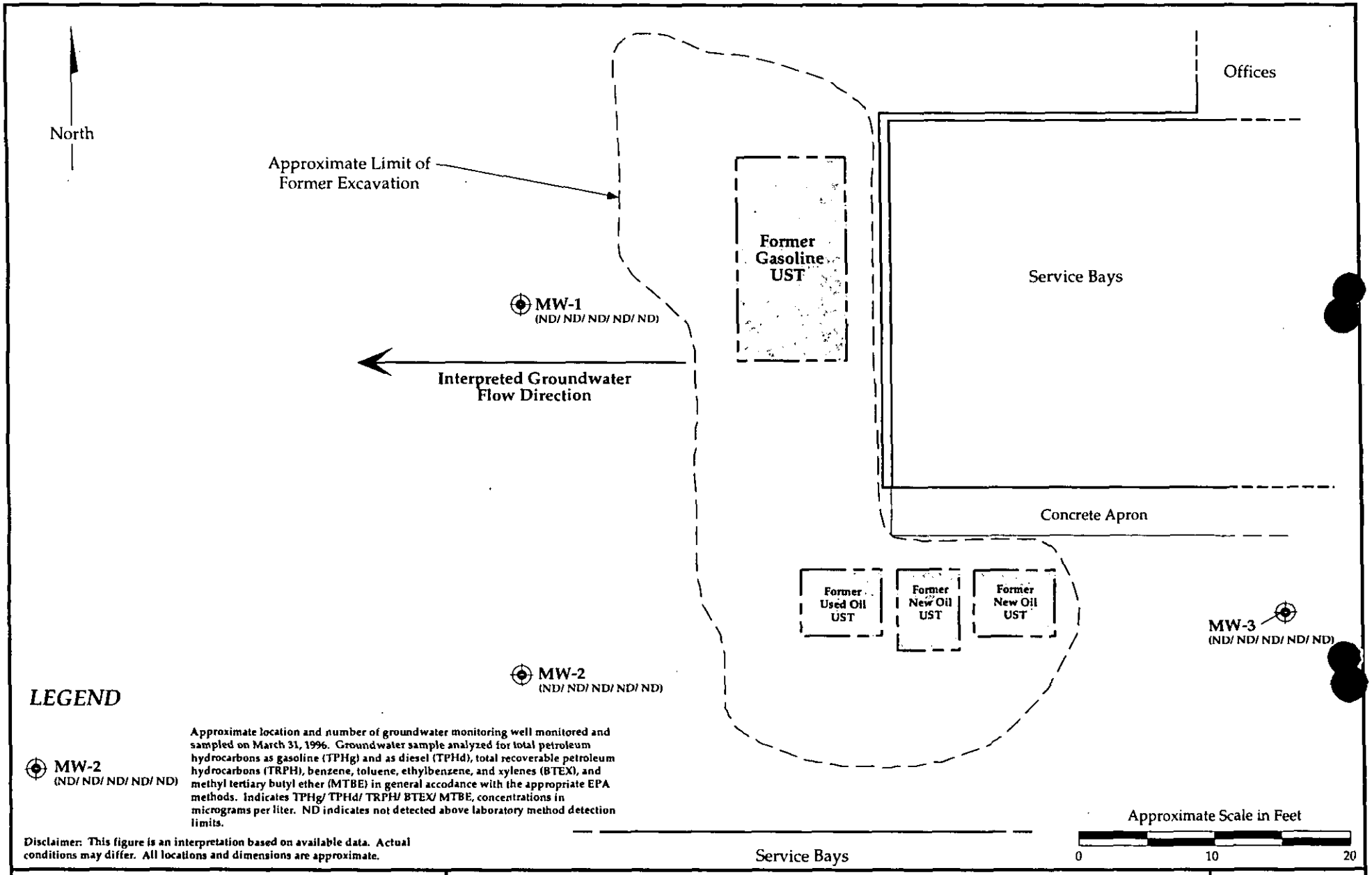
TPH/TRPH/BTEX

Groundwater Gradient Map

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 2



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"Providing Economic Environmental Solutions to the Business Community"

Site Plan with Groundwater Sample Analytical Results

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No. 93E1163.2

Figure 3

LABORATORY REPORTS

teg

April 9, 1996

Mr. Barry Pulver
Environmental Business Solutions
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

RECEIVED
APR 12 1996

SUBJECT: DATA REPORT - LA MESA RV CENTER - 7691 ALVARADO ROAD, LA MESA, CA - EBS PROJECT #93E163.2

TEG Project # 960401-9

Mr. Pulver:

Please find enclosed a data report for the above referenced location. Water samples were analyzed in TEG's DOHS certified mobile laboratory (CERT #1746).

Project Summary

The following analyses were conducted:

- 3 waters for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015
- 3 waters for volatile aromatic hydrocarbons (BTEX) by Modified EPA Method 8020
- 3 waters for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

The samples were received chilled in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

TEG appreciates the opportunity to provide analytical services to EBS on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Sheri Hartman

Ms. Sheri Hartman
President, TEG, Inc.

432 NORTH CEDROS AVENUE • SOLANA BEACH, CA 92075 • 619-793-0401 • FAX 619-793-0404

EBS PROJECT #93E163.2
LA MESA RV CENTER
7691 ALVARADO ROAD
LA MESA, CA

TEG Project #960401-9

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF WATERS

SAMPLE NUMBER	DATE ANALYZED	TRPH (ug/l)	~~TPH GAS~~ C5-C11 (ug/l)	TPH-DIESEL C12-C24 (ug/l)	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZ (ug/l)	XYLENES (ug/l)	SURROGATE (%REC)
METHOD BLANK	4/5/96	ND	ND	ND	ND	ND	ND	ND	126%
MW-1	4/5/96	ND	ND	ND	ND	ND	ND	ND	98%
MW-1 DUP	4/5/96	ND	ND	ND	ND	ND	ND	ND	117%
MW-2	4/5/96	ND	ND	ND	ND	ND	ND	ND	116%
MW-3	4/5/96	ND	ND	ND	ND	ND	ND	ND	103%
DETECTION LIMITS		500	500	500	0.5	0.5	0.5	0.5	65%-135%

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Shawn Hunter 4/9/96

teg

QA/QC REPORT - CALIBRATION DATA

TEG PROJECT #960401-9
DAILY CALIBRATION DATE : 04/05/96

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	4/7/95	0.635	2.7%	425	0.708	11.6%	375	0.625	1.6%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	4/7/95	0.677	5.3%	382	0.637	5.9%	370	0.617	8.9%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	4/7/95	0.820	2.9%	423	0.705	14.0%	436	0.727	11.4%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	5/5/95	0.246	6.3%	379	0.253	2.6%	418	0.279	13.1%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	5/5/95	0.249	14.9%	417	0.278	11.6%	385	0.257	3.0%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	5/5/95	0.361	15.9%	600	0.400	10.7%	485	0.323	10.6%
BENZENE	0.1 - 10	3.3 - 330	4/19/95	87.76	6.6%	288	96.00	9.4%	260	86.78	1.1%
TOLUENE	0.1 - 10	3.3 - 330	4/19/95	78.24	3.2%	244	81.41	4.1%	232	77.21	1.3%
ETHYLBENZENE	0.1 - 10	3.3 - 330	4/19/95	63.01	5.7%	183	61.14	3.0%	207	69.00	9.5%
m&p-XYLENES	0.1 - 10	3.3 - 330	4/19/95	78.43	6.7%	502	83.60	6.6%	498	83.06	5.9%
o-XYLENES	0.1 - 10	3.3 - 330	4/19/95	63.41	5.5%	210	70.09	10.5%	189	63.16	0.4%
TRPH	20 - 1,000	20 - 1,000	4/20/95	635.16	2.7%	0.853	586.17	7.7%	0.860	581.40	8.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Theresa Hunter 4/9/96

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR WATERS

ANALYSIS DATE : 04/05/96
TEG Project #960401-9

COMPOUND	SPK CONC (ug/L)	MS CONC (ug/L)	%REC MS	MSD CONC (ug/L)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE %MS
TRPH	5,000	4,764	95.3%	4,509	90.2%	5.5%	15%	75% - 110%
TPH GASOLINE	2,000	1,992	99.6%	1,760	88.0%	12.4%	15%	63% - 117%
TPH DIESEL	5,000	3,608	72.2%	3,767	75.3%	4.3%	15%	61% - 111%
BENZENE	10.0	8.4	84.0%	9.4	94.0%	11.2%	15%	63% - 108%
TOLUENE	10.0	9.6	96.0%	9.2	92.0%	4.3%	15%	62% - 90%
ETHYLBENZENE	10.0	8.6	86.0%	9.1	91.0%	5.6%	15%	65% - 106%
TOTAL XYLENES	30.0	27.2	90.7%	27.9	93.0%	2.5%	15%	64% - 103%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Shawn W Hearn 4/9/96

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: ENVIRONMENTAL BUSINESS SOLUTIONS, INC

ADDRESS: 5799 BALBOA AVE SUITE 210

PHONE: 571 5500 FAX: 571 5357

CLIENT PROJECT #: 93E1163.2 PROJECT MANAGER: BARRY FULVER

DATE: 3-31-16 PAGE 1 OF 1

TEG PROJECT #: 160401-9

LOCATION: LA MESA R.V. CENTER 7601 ALVARADO RD

COLLECTOR: STEVE TRUESDALE / RUBE DAVIES DATE OF COLLECTION: 3/31/16

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS						FIELD NOTES	Total Number Of Containers	Lab Note Number
MW-1			WATER	40ml VOA		X			X			X														4	
MW-2			↓	↓		X			X			X														3	
MW-3			↓	↓		X			X			X														4	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	4/1/16 12:50	[signature]	4/1/16 12:50
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☒ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	11
CHAIN OF CUSTODY SEALS Y/N/NA	/
SEALS INTACT? Y/N/NA	N/A
RECEIVED GOOD COND./COLD	/
NOTES:	

LABORATORY NOTES:

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

RECEIVED
APR 22 1996

LABORATORY REPORT

ENVIRONMENTAL BUSINESS SOLUTIONS, INC.
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

REPORT TO:	BARRY PULVER	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PROJECT NAME:	LA MESA RV CENTER		
SITE LOCATION:	7601 ALVARADO ROAD LA MESA, CA		

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 03/31/96 and received intact and cool on 04/03/96. In accordance with the chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
Total Lead	2-3
MBTE	4-5

In addition, the analysis for flashpoint was subcontracted to an outside laboratory with results issued on a separate laboratory report.

REVIEWED AND APPROVED: Richard Villafania, Laboratory Manager

REPORT DATE: 4-8-96

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3010		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF TOTAL LEAD BY INDUCTIVELY COUPLED PLASMA
EPA METHOD 6010

3/31/96

UNITS:		LEAD mg/L	DETECTION LIMIT mg/L
SAMPLE ID	**DATE ANALYZED**		
METHOD BLANK	04/04/96	ND	0.02
D-1	04/04/96	ND	0.02

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3010		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF TOTAL LEAD BY INDUCTIVELY COUPLED PLASMA
EPA METHOD 6010

		RECOVERY	ACCEPTABLE RANGE
UNITS:		%	%
SAMPLE ID	DATE ANALYZED		
ICV	04/04/96	97	90-110
LCS	04/04/96	96	70-130
MATRIX SPIKE	04/04/96	85	70-130
MATRIX SPIKE DUPLICATE	04/04/96	86	70-130
RPD		1.2	0-25

ICV - Internal Calibration Verification
LCS - Laboratory Control Standard
RPD - Relative Percent Difference

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	VN	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID

MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	SURROGATE RECOVERY
UNITS:		µg/L	%
DETECTION LIMITS:		0.6	
SAMPLE ID	DATE ANALYZED		
METHOD BLANK	04/03/96	ND	100
MW-1	04/03/96	ND	102
MW-2	04/03/96	ND	94
MW-3	04/03/96	ND	103

Surrogate : a,a,a-Trifluorotoluene **Acceptable Range (%) :** 70-130

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST :	VN	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID
MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	ACCEPTABLE RANGE
RECOVERY UNITS:		%	%
SAMPLE ID	DATE ANALYZED		
LCS	04/03/96	93	80-120
MATRIX SPIKE	04/03/96	104	70-130
MATRIX SPIKE DUPLICATE	04/03/96	104	70-130
RPD		0	0-25

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

GEOTEST
3960 E. Gilman Street
Long Beach, 90815
Telephone: (310) 498-9515 (800) 624-5744
Fax: (310) 597-0786

CHAIN-OF-CUSTODY RECORD

9604009

GEOTEST PROJECT NO: 961138-03 / 98874
DATE 3/31/96 PAGE 1 OF 1

PROJECT NAME LA MESA R.V. CENTER
ADDRESS 7601 ALVARADO ROAD
SAMPLER'S SIGNATURE S R M
PRINTED NAME STEVE TRUESDALE
CLIENT PROJECT NO. 93E1163.2
PROJECT MANAGER BARRY PULVER

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	FLASHPOINT	TOTAL LEAD		MTBE 8020			MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D-1	3/31/96	1400	LA MESA RV.					X	X					W	500ml Amber	4	2 Ambers broke during delivery
MW-1		1600									X			W	Voa	4	all voas contain air bubble
MW-2		1600									X			W	Voa	4	3 voas contain air bubble
MW-3		1600									X			W	Voa	4	all voas contain air bubble
																	T=8°C
																	Voas are not preserved

1 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	5 RELINQUISHED BY	DATE
SIGNATURE S R M	4/2/96	SIGNATURE FED-EX	4/3/96	SIGNATURE	
PRINTED NAME STEVE TRUESDALE	TIME 1400	PRINTED NAME	TIME 1030	PRINTED NAME	TIME
COMPANY		COMPANY		COMPANY	
2 RECEIVED BY FED-EX	DATE 4/2/96	**4 RECEIVED BY**	DATE	**6 RECEIVED BY (LAB)**	DATE 4/3/96
SIGNATURE		SIGNATURE		SIGNATURE	
PRINTED NAME	TIME 1900	PRINTED NAME	TIME	PRINTED NAME MICHELE HERRING	TIME 1025
COMPANY		COMPANY		COMPANY GEOTEST	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
CALL TO CONFIRM DELIVERY PRIOR TO ANALYSIS

METHYL TERTIARY-BUTYL ETHER (MTBE)

ORIGINAL

ENVIRONMENTAL
BUSINESS
SOLUTIONS
Inc.

TRANSMITTAL LETTER

TO: Ms. Carol Spengenberg
Site Assessment and Mitigation Division
Department of Envrionmental Health
County of San Diego
P. O. Box 85261
San Diego, California 92186-5261

Date: March 7, 1996
Proposal Number: 93E1163.2

ENCLOSED PLEASE FIND:

One copy of report titled "Report of Soil and Groundwater Assessment Activities Performed Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R.V. Center at 7601 Alvarado Road, La Mesa, California (Site)"

REMARKS:

For your records.

Should you have any questions regarding this transmittal, please call the undersigned at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG
Principal

Enclosure

RECEIVED
MAR 11 | 44 PM '96
ENVIRONMENTAL
HEALTH SERVICES

SOIL AND GROUNDWATER ASSESSMENT FOR LA MESA RV CENTERS, LA MESA, CALIFORNIA

MARCH 7, 1996

PROJECT NUMBER 93E1163.2

RECEIVED
MAR 11 1 44 PM '96
HEALTH SERVICES

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

March 7, 1996
Project Number: 93E1163.2

Copy No. 4

Mr. James Buckner
La Mesa R. V. Center
7601 Alvarado Road
La Mesa, California 92041

RE: Report of Soil and Groundwater Assessment Activities Performed Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R.V. Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Mr. Buckner:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter report (Report) which summarizes the results of a soil and groundwater assessment recently performed at the Site. The work described in this report was conducted in general accordance Exhibit "2" to the Consulting Agreement (Contract) between EBS and La Mesa R.V., Inc. (Client). The Contract was fully executed on February 3, 1994.

SITE INFORMATION

SITE LOCATION/DESCRIPTION

The Site is located in a commercial/retail portion of the City of La Mesa (Figure 1). Topographically, the Site is located along a relatively level terrace. Steep slopes are located along the southern portion of the Site.

At the time of the assessment, the Site was observed to be used for the sale and repair of recreational vehicles. Site improvements include offices, showrooms, service bays, and associated driveways and parking areas. The northern portion of the Site is generally used for showrooms, vehicle parking, and sales offices. The southern portion of the Site is used for the repair and servicing of vehicles. Four underground storage tanks (USTs) were formerly located in the southern portion of the Site.

SITE IDENTIFICATION

Site Name:	La Mesa R. V. Center
Site Location:	7601 Alvarado Road, La Mesa, California 92041
SAM Case Number:	HO2651-001, T0427

BACKGROUND

The following background information is from previously reported data and reports prepared by others and by EBS. Four USTs of various capacities were removed from the Site. The USTs stored new oil, used oil, and gasoline. The USTs were located immediately to the west and south of a service bay building at the Site (Figure 2). The four USTs consisted of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

UST REMOVAL OF FEBRUARY 1988

The USTs were removed in February 1988 by Alm Services (Alm). The "Abandoned Underground Tank Report" prepared for the Site by the San Diego County Hazardous Materials Management Division (HMMD) inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs' removal, although groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Correspondence from Alm to the HMMD in March 1988 indicated that six soil samples from the UST excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May 1988, Alm was reported to have collected an additional three samples from the new and used oil area of the UST excavation. Detectable concentrations of TRPH were found in each of the three samples.

ASSESSMENT/REMEDIATION ACTIVITIES PERFORMED BY HALLIBURTON NUS IN MARCH 1992

In March 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted an exploratory excavation program at the Site. Approximately 400 cubic yards of soil was excavated from the vicinity of the former USTs. Numerous confirmation samples were collected during the excavation program (Tables 1 and 2, and Figure 2, 3). Confirmation samples indicated that soil with concentrations of both TPH and TRPH remained in the vicinity of the excavation.

WORKPLAN PREPARED BY EBS IN NOVEMBER 1993

In November 1993, EBS submitted a workplan to Mr. Lars Skinner of the SAM for review and approval. The workplan described an assessment which included the following:

- Drilling and sampling of seven soil borings and converting three of the soil borings to groundwater monitoring wells (wells);
- Monitoring, purging, and sampling the three wells; and
- Performing laboratory analysis on the collected soil and groundwater samples.

The workplan was approved by Mr. Skinner on December 9, 1993.

SOIL AND GROUNDWATER ASSESSMENT PERFORMED BY EBS IN FEBRUARY 1994

During this investigation, 11 soil borings (B-1, B-1A, B-2, B-3, B-4, B-4A, B-5, B-6, MW-1, MW-2, and MW-3) were drilled, three of which were converted to groundwater monitoring wells MW-1, MW-2, and MW-3 (Figure 2). Work performed during this investigation included the collection and analysis of soil and groundwater samples. A report[1] summarizing the assessment activities was prepared and submitted to the SAM in March 1994. Pertinent portions of the March 1994 report are presented as follows.

Site Geology

Geologic materials encountered during the assessment included fill soils, topsoil, and alluvium. A brief description of these units is presented below:

Fill

Fill soil was encountered in all of the soil borings. These deposits generally consisted of dark gray brown gravelly silty sand (SM), black silty gravelly sand

[1] *Report of Soil and Groundwater Investigation Pursuant to the Requirements of* the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site).

(SW), and yellow brown clayey sand (SC). Fill soil was observed to extend to a maximum depth of approximately 8 feet below grade.

Topsoil

Topsoil was encountered in soil borings and wells B-1, B-3, B-4, B-5, MW-1, and MW-2. Topsoil generally consisted of a dark brown silty sand/sandy silt (SM/ML). Topsoil was encountered to a maximum depth of approximately 12 feet below grade. It should be noted that the topsoil layer was observed to contain significant amounts of naturally occurring organic matter such as plant roots and other plant matter in varying degrees of decomposition. The topsoil layer was observed to be underlain by alluvium.

Alluvium

Alluvium was encountered in all soil borings and wells. These deposits generally consisted of red brown gravel/silty gravel (GW/GM), yellow brown gravelly clayey sand (SC), and a distinctive and cemented yellow brown gravelly clayey sand (SC). The cemented layer was generally encountered at a depth of approximately 10 feet below grade. It should be noted that the cemented layer was encountered in all soil borings and wells, and appeared to be dipping towards the west. The cemented layer was observed to have a thickness of approximately 10 feet.

Site Hydrogeology

As interpreted from maps prepared by the Regional Water Quality Control Board, San Diego Region (RWQCB) in the Comprehensive Water Quality Control Plan Report, dated 1979, the Site is located within the Chollas Hydrologic Subarea of the San Diego Mesa Hydrologic Area of the Pueblo San Diego Hydrologic Unit. As stated in RWQCB Resolution 91-79, this basin does not have any existing or potential municipal and industrial beneficial uses of groundwater.

The shallow groundwater at the Site is generally encountered at a depth of approximately 4 to 9 feet below grade. The shallow groundwater is interpreted to flow generally towards the west at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance).

The shallow groundwater is interpreted to be a perched water table. The cemented layer encountered at the Site is interpreted to be a confining layer on which the shallow groundwater is perched.

Soil Sample Analytical Results

All soil samples collected during the February 1994 assessment were tested for TPH and TRPH in general accordance with modified EPA Method 8015 (California Department of Health Services modified) and EPA Method 418.1, respectively. Laboratory test results are presented in Figure 3 and Table 3. TPH concentrations were reported to range from not detected to 271 milligrams per kilogram (mg/kg). TRPH concentrations were reported to range from not detected to 9,140 mg/kg.

In addition, the soil sample with the highest reported TRPH concentration (sample B1-10) was also analyzed for the following:

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) in general accordance with EPA Method 8020;
- Halogenated volatile organic compounds (HVOCs) in general accordance with EPA Method 8010;
- Polychlorinated biphenyls (PCBs) in general accordance with EPA Method 8080; and
- Organic lead in general accordance with EPA Method 6010.

Soil sample B1-10 was reported to have no detectable concentrations of BTEX, HVOCs, and PCBs. Soil sample B1-10 was reported to have an organic lead concentration of 1.5 mg/kg.

Groundwater Sample Test Results

All groundwater samples collected during this assessment were tested for TPH and BTEX in general accordance with modified EPA Method 8015 and EPA Method 8020, respectively. Laboratory test results are presented in Table 4. All samples were reported to have no detectable concentrations of TPH or BTEX.

Conclusions

Conclusions presented in the March 1994 report included:

- The horizontal extent of gasoline- and diesel-bearing soil is generally limited to the immediate vicinity of the former UST excavation. Gasoline and diesel-bearing soil extends to a maximum depth of approximately 15 feet below grade.

- The horizontal extent of TRPH-bearing soil (soil with TRPH concentrations greater than 1,000 mg/kg) has generally been assessed. Based on available data, the western, southern, and eastern limits of TRPH-bearing soil have been inferred. The maximum extent of TRPH-bearing soil has been inferred to extend approximately 30 feet in the interpreted downgradient direction, with respect to shallow groundwater flow, from the former oil USTs.

- There were no reported concentrations of TRPH, TPH, or BTEX in the groundwater samples collected from wells at the Site.

SAM LETTER OF FEBRUARY 7, 1995

On February 7, 1995, Mr. Lars Skinner issued a letter regarding his review of the assessment report prepared by EBS. Mr. Skinner requested that the following be performed:

- Provide additional assessment of petroleum hydrocarbon-bearing soil in the following areas:

  — West/northwest of soil sample GES-11 and well MW-1;

  — West of soil sample OES-11;

  — Southwest of soil samples OES-12 and OES-13; and

  — Vertically below soil borings B-1 and B-4.

- Provide an estimate of the volume of petroleum hydrocarbon-bearing soil remaining on Site, and the mean and maximum TPH and TRPH concentration of this soil.

- Provide a contour map of TPH and TRPH concentrations remaining in the soil.

- Clarify the distribution of TPH and TRPH in soil.

- Provide an explanation for the distribution of TRPH-bearing soil.

- Perform additional groundwater monitoring and sampling.

WORKPLAN AND QUARTERLY GROUNDWATER MONITORING REPORT PREPARED BY EBS

On May 1, 1995, EBS submitted a workplan and quarterly groundwater monitoring report[2] to the SAM. Prior to preparing the May 1995 report, the three wells were monitored, purged, and sampled. Laboratory test results are presented in Table 4. Groundwater monitoring data are presented in Table 5. All samples were analyzed for the following:

- TRPH in general accordance with EPA Method 418.1;
- TPH in general accordance with modified EPA Method 8015;
- BTEX in general accordance with EPA Method 8020;
- Methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020; and
- Polynuclear aromatic hydrocarbons (PNA) in general accordance with EPA Method 8310.

All groundwater samples were reported to have no detectable concentrations of TPH, BTEX, MTBE, and PNA. TRPH concentrations ranged from 410 (sample MW-1) to 1,000 (sample MW-2) micrograms per liter (µg/*l*).

The workplan presented a scope of work intended to assess the shallow soil at the Site. This scope of work included the drilling, sampling, and logging of four soil borings; monitoring, purging and sampling of three wells; and laboratory analysis of collected soil and groundwater samples.

SAM WORKPLAN APPROVAL LETTER OF JUNE 19, 1995

On June 19, 1995, Ms. Carol Spangenberg of the SAM issued a workplan approval letter, which is included in the Appendix.

OBJECTIVES

The objectives of this scope of services were to:

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[2] Quarterly Groundwater Monitoring Report for the First Quarter of 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R. V. Center at 7601 Alvarado Road, La Mesa, California (Site).

- Further assess the extent of petroleum hydrocarbon-bearing soil in the vicinity of the former gasoline and new and used oil USTs at the Site.

- Assess shallow groundwater at the Site for flow direction, gradient, and concentration of dissolved petroleum hydrocarbons.

SCOPE OF SERVICES

The scope of services that were used to meet the objectives are as follows:

PREPARATION OF A SITE HEALTH AND SAFETY PLAN; PREPARATION OF SOIL BORING PERMIT APPLICATIONS; SUBCONTRACTOR MANAGEMENT AND SCHEDULING; AND UTILITY SEARCH AND MARK OUT

Preparation of a Site Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120. Therefore, a health and safety plan was prepared which outlined the potential chemical and physical hazards that may be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards were detailed in this plan. EBS and contracted personnel involved with the proposed field work were required to sign this document in order to encourage proper health and safety practices.

Preparation of Soil Boring Permit Applications

Because the soil borings were anticipated to intersect groundwater, soil boring permit applications were prepared. The permit applications were signed by the appropriately licensed professional and submitted to the SAM with the appropriate fee on August 29, 1995.

The permits were approved on September 5, 1995. Copies of the approved permits are included in the Appendix.

Subcontractor Management and Scheduling

Prior to mobilizing for field work, EBS notified and scheduled the appropriate subcontractors including, but not limited to, the laboratories (Transglobal Environmental Geochemistry [TEG] and Geotest), the drilling company (West HazMat Drilling Corp. [West Hazmat]), Underground Service Alert (USA), and the private utility search company (Cable Pipe Locators [CPL]).

Utility Search and Mark Out

As required by state law, EBS contacted USA prior to performing field work. USA issued ticket numbers 196-623 and 210-149. USA contacted Cox Cable, Mt. Helix Water District, Pacific Bell, San Diego Gas and Electric, the cities of La Mesa and San Diego, and the San Diego County water utility districts. In addition, before the soil borings were drilled, EBS retained the services of CPL to attempt to locate subsurface utilities and improvements at the Site to minimize the likelihood of drilling into an underground utility.

DRILLING, LOGGING, AND SAMPLING FOUR SOIL BORINGS TO MAXIMUM DEPTHS OF APPROXIMATELY 21 FEET BELOW GRADE; MONITORING, PURGING, AND SAMPLING THREE WELLS; AND LABORATORY ANALYSIS OF COLLECTED SOIL AND GROUNDWATER SAMPLES

Drilling, Sampling, and Logging Four Soil Borings to Maximum Depths of Approximately 21 Feet Below Grade

Drilling Procedures

In general accordance with the approved workplan, four soil borings (soil borings B-7, B-8, B-9[3], and B-10) were drilled, logged, and sampled to depths of approximately 21 feet below grade. Soil boring locations are shown in Figure 2. The soil borings were drilled in the vicinity of the western and southwestern perimeter of the former excavation at the Site. The proposed locations of the borings were intended to provide additional information about the possible migration of petroleum hydrocarbons west, northeast and southwest of the former USTs at the Site.

The soil borings were drilled by West Hazmat using a CME-75 drill rig equipped with an Odex casing advance drilling system. This system used a down-hole air percussion hammer to advance the boring. Casing is advanced as the borehole is deepened. This type of rig was used due to the difficult drilling conditions encountered previously at the Site (colluvium and alluvium with abundant gravel and cobble with caving soil).

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[3] Attempts were made to collect soil samples from soil boring B-9 at depths of approximately 15 and 20 feet below grade. The sample collected at a depth of approximately 15 feet below grade was judged to be possibly not representative based on the blow counts and the visual condition of the sample. Soil boring B-9A was drilled in the vicinity of soil boring B-9 in an attempt to collect a sample from a depth of approximately 15 to 16 feet below grade.

Soil cuttings were placed in appropriate 55-gallon drums and left on the Site pending disposal. Upon completion of drilling and sampling the soil borings, the boreholes were backfilled with a bentonite slurry from the bottom of the borehole to approximately 1 foot below grade. The upper foot was backfilled with concrete.

Sampling Procedures

A California-registered geologist was on the Site to observe the drilling activity and describe collected soil samples in general accordance with the Unified Soil Classification System. Soil boring logs are presented in the Appendix. Soil samples were generally collected at 5-foot intervals, at interpreted significant geologic contacts, and at the field interpreted water table.

During the drilling of the soil borings, soil samples were collected with a split-spoon type or similar sampler. In order to attempt to maximize the quality of the soil sample, the sampler was driven as far as possible from the bottom of the borehole.[4] The materials encountered during drilling limited the depth that the sampler could be driven. The sampler was "set" by driving the sampler an initial 6 inches[5] prior to driving the sampler to collect the sample. The initial 6 inches of sample collected in the sampler was discarded.

Soil samples were either collected in brass tubes or transferred to laboratory-supplied jars. When tubes were used, the tubes were covered with Teflon™ sheeting, tightly closed with end caps, and labeled. When laboratory-supplied jars were used, the jars were capped and labeled. All samples were either placed in an ice-filled chest or delivered immediately to an on-site mobile laboratory. Chain-of-custody procedures were implemented for sample tracking.

Decontamination Procedures

As required by San Diego County guidelines, a steam cleaner was on-site to steam-clean the augers, casing, and percussion hammer and connecting rods between each soil boring. The soil sampler was cleaned between sampling events with a four-bucket wash: a Alconox-water solution, followed by two tap water rinses, and a final spray rinse with distilled water. Steam cleaner and sampler cleaning water were placed in appropriate drums, labeled, and left on the Site.

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[4] This method was also followed in the previous soil sampling performed by EBS.

[5] The number of blow counts recorded in the soil boring logs reflects the blows after the initial drive to "set" the sampler.

Monitoring, Purging, and Sampling Three Wells

On November 27, 1995, three groundwater monitoring wells (MW-1, MW-2, and MW-3) were monitored, purged, and sampled. The wells were monitored with an electronic interface probe to measure depth to water and depth to product (if encountered). Monitoring data are shown in Table 5.

After the wells were monitored they were purged and sampled in general accordance with SAM guidelines. The wells were purged with a bailer. Purge water was placed in appropriate drums and left on-site. Approximately 1 borehole volume of water was purged from each well. After approximately 2 hours after purging, the wells did not recharge to at least 80 percent of the pre-purging water table. The wells were judged to be slow recharging and were sampled. Well purging logs are included in the Appendix.

Groundwater was sampled with a disposable bailer. The groundwater samples were decanted into laboratory-supplied vials, capped, labeled, and placed in an ice-filled chest or immediately delivered to an on-site mobile laboratory. Chain-of-custody procedures were implemented for sample tracking.

Laboratory Analysis of Collected Soil and Groundwater Samples

Soil Samples

All soil samples were delivered to an on-site mobile laboratory supplied by TEG and analyzed for the following:

- TPH[6] in general accordance with modified EPA Method 8015;
- TRPH in general accordance with EPA Method 418.1; and
- BTEX in general accordance with EPA Method 8020.[7]

In addition, the sample with the highest reported TRPH concentration (sample B9-10) was submitted to Geotest and analyzed for California Code of Regulations (CCR) Metals in general accordance with EPA Method 6010. This analysis was performed as required for soil disposal approval.

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[6] "Full scan" includes gasoline and diesel ranges.

[7] BTEX analysis was performed on the sample, per soil boring, with the highest reported TPH concentration, or if there were no reported TPH concentrations, the sample with the highest reported TRPH concentration.

TPH, TRPH, and BTEX results are shown in Figure 4, and Tables 6 and 7. Laboratory test reports are provided in the Appendix.

Groundwater Samples

Groundwater samples were delivered to an on-site mobile laboratory supplied by TEG and analyzed for the following:

- TPH[8] in general accordance with modified EPA Method 8015;
- BTEX in general accordance with EPA Method 8020; and
- TRPH in general accordance with EPA Method 418.1.

In addition, a duplicate set of groundwater samples was submitted to Geotest and analyzed for the following:

- HVOCs in general accordance with EPA Method 8010/8020; and
- MTBE in general accordance with EPA Method 8020.

Groundwater laboratory test results (with the exceptions of HVOCs and PNAs) are shown in Table 4. Laboratory test reports are attached.

FINDINGS

SITE GEOLOGY AND HYDROGEOLOGY

Geologic materials encountered during the most recent drilling activity were similar to those from previous assessment activities, with the exception that fill soil was not interpreted to have been encountered. A brief description of two units encountered during this phase of work is presented below:

Topsoil

Topsoil generally consisted of a dark brown silty sand/sandy silt (SM/ML). Topsoil was encountered to a maximum depth of approximately 12 feet below grade. The topsoil was observed to contain significant amounts of naturally occurring organic matter and be underlain by alluvium.

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[8] "Full scan" includes gasoline and diesel ranges.

Alluvium

Alluvium generally consisted of red brown gravel/silty gravel (GW/GM), yellow brown gravelly clayey sand (SC), and a distinctive and cemented yellow brown gravelly clayey sand (SC). The top of the cemented layer was generally encountered at a depth of approximately 10 feet below grade. It should be noted that the cemented layer appeared to dip to the west.

Hydrogeology

The shallow groundwater at the Site was generally encountered at a depth of approximately 4 to 9 feet below grade (Table 5). The shallow groundwater is interpreted to generally flow towards the west (Figure 5) at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance). The shallow groundwater at the Site is interpreted to be a perched along the top of the cemented layer.

SOIL SAMPLE ANALYTICAL RESULTS

Total Petroleum Hydrocarbons

Fifteen soil samples were collected and analyzed for TPH. Only one soil sample (sample B9-10) was reported to have detectable TPH concentrations. As shown in Table 6, sample B9-10 was reported to have TPH as gasoline and diesel concentrations of 25 and 63 mg/kg, respectively.

Total Recoverable Petroleum Hydrocarbons

Fifteen soil samples were tested for TRPH. As shown in Table 6, these soil samples were reported to have TRPH concentrations ranging from not detected to 4,550 mg/kg (sample B9-10). In general, the soil samples collected near the top of the cemented layer (samples B7-10, B8-10, B9-10, and B10-10) were reported to have the highest TRPH concentration per soil boring.

Benzene, Toluene, Ethylbenzene, and Xylenes

All soil samples were reported to have no detectable concentrations of benzene and ethylbenzene. With the exception of soil sample B9-10, all soil samples were reported to have no detectable concentrations of toluene and xylenes. As shown in Table 7, soil sample B8-12 was reported to have toluene and xylene concentrations of 0.110 and 0.066 mg/kg, respectively.

GROUNDWATER SAMPLES

Total Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TPH concentrations.

Total Recoverable Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TRPH concentrations.

Benzene, Toluene, Ethylbenzene, and Xylenes

All three groundwater samples were reported to have no detectable benzene concentrations. Only one sample (the sample collected from well MW-2) was reported to have detectable concentrations of toluene (32.9 µg/l), ethlybenzene (2.0 µg/l), and xylenes (12.5 µg/l).

Methyl Tertiary Butyl Ether

With the exception of the groundwater sample collected from well MW-2 (sample MW-2), all groundwater samples were reported to have no detectable concentrations of MTBE. As shown in Table 4, groundwater sample MW-2 was reported to have a MTBE concentration of 0.7 µg/l.

Halogenated Volatile Organic Compounds

All groundwater samples were reported to have no detectable concentrations of HVOCs.

DISCUSSION

DESCRIPTION OF RELEASE

Substance Released

As reported by Halliburton,[9] gasoline, diesel fuel, and new and used oil were released from the former USTs. Based on review of laboratory test results of soil samples collected by EBS, it is our professional opinion that the vast majority of petroleum hydrocarbons released to the shallow subsurface are typical of oil. The rationale for this opinion is as follows:

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[9] Interim Report on Soil Assessment and Mitigation for La Mesa RV Center, 7601 Alvarado Road, San Diego [sic], California report dated August 1992.

- The interpreted extent of gasoline- and diesel-bearing soil is limited to the immediate vicinity of the former USTs; TRPH-bearing soil appears to encompass a larger area.[10]

- An analysis of the reported TPH and TRPH concentrations of soil samples collected by EBS was performed in general accordance with the request and procedure detailed by Mr. Lars Skinner in his February 7, 1995, letter. The procedure used was to calculate the percentage of TRPH relative to TPH[11] in order to evaluate the amount of gasoline and diesel in relation to oil.

  The basis for this analysis is that the TRPH analysis (EPA Method 418.1) and TPH analysis (modified EPA Method 8015) have a slight overlap. The TRPH analysis quantifies petroleum hydrocarbons with carbon chain lengths of C_5 to C_{40}. This range includes gasoline, diesel, and waste oil. The TPH analysis performed by TEG quantified petroleum hydrocarbons with carbon chain lengths of C_5 to C_{24}. This range includes gasoline and diesel fuel, but not oil.

  The concentration of petroleum hydrocarbons with carbon lengths of C_{25} to C_{40} may be estimated using the difference between the reported TRPH and TPH concentrations. This carbon chain range includes oils, but not gasoline or diesel.

  The results of this analysis, as shown in Figure 6 and Table 8, indicate that the vast majority of reported petroleum hydrocarbons have carbon chain lengths of C_{25} to C_{40}. This suggests that the released petroleum hydrocarbons are predominantly oil.

- Selected soil samples were analyzed for BTEX. BTEX is a commonly found additive to gasoline and its presence is frequently an indicator of gasoline. Only relatively minor concentrations of BTEX compounds were reported. This suggests that gasoline was not a significant component of the released petroleum hydrocarbons.

- Groundwater samples were analyzed for PNAs. This analysis was performed per the request of the SAM. It is our understanding that

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[10] The interpreted extent of petroleum hydrocarbon-bearing soil is discussed in a following section.

[11] For this analysis TPH is the sum of the reported concentration of TPH as gasoline and as diesel. A value of zero was assigned to samples with "no detectable" concentrations.

naphthalene is a highly soluble component of diesel fuel and frequently used as an indicator of diesel fuel. The laboratory reported no detectable concentrations of PNAs. This suggests that diesel fuel was not a significant component of the released petroleum hydrocarbons.

- Groundwater samples have been analyzed for MTBE and for BTEX. These components are very soluble components of gasoline,[12] and their presence is frequently an indicator of gasoline. Only minor quantities of MTBE, toluene, ethlybenzene, and xylenes have been reported for the collected groundwater samples. This suggests that gasoline was not a significant component of the released petroleum hydrocarbons.

Mechanisms of Migration of Released Petroleum Hydrocarbons

Based on review of the laboratory test results and our understanding of the Site geology and hydrogeology, it appears that the released petroleum hydrocarbons migrated in two pathways as described below:

- Initially the petroleum hydrocarbons migrated vertically from the point of release[13] within the vadose zone.

- After the petroleum hydrocarbons migrated and intersected the cemented layer, the petroleum hydrocarbons generally migrated towards the west, either along the perched water table or along the top of the previously described cemented layer.

INTERPRETED EXTENT OF PETROLEUM HYDROCARBON-BEARING SOIL[14]

Interpreted Horizontal Extent of Petroleum Hydrocarbon-Bearing Soil

As shown in Figures 7 and 8, it is our interpretation that the horizontal extent of petroleum hydrocarbon-bearing soil has been assessed. The rationale for this interpretation is as follows:

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[12] MTBE is a gasoline additive.

[13] The exact location and mechanisms of the release(s) are unknown. However, it is assumed that the release(s) occurred from the UST system. The former USTs are assumed to be considered, for this discussion, the point of release.

[14] For discussion purposes only, petroleum hydrocarbon-bearing soil is defined as soil with TRPH concentrations in excess of 100 mg/kg.

- The highest reported TRPH concentrations were from soil samples collected at depths of approximately 8 to 10 feet below grade. This is consistent with the migration pathway along the perched water table as discussed above. Therefore, soil samples collected from depths of approximately 8 to 10 feet below grade have been used to assess the horizontal extent of petroleum hydrocarbon-bearing soil. Soil samples used to assess the horizontal extent of petroleum hydrocarbon-bearing soil are as follows:

  — The northern extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil samples GES-2, GES-3, GES-5 and B7-8.

  — The eastern extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil samples GES-5, MW3-8, and MW3-10.

  — The southern extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil sample B5-10.

  — The western extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil samples B6-8, B7-10, and B10-10.

Interpreted Vertical Extent of Petroleum Hydrocarbon-Bearing Soil

As in the March 1994 report,[15] it is our opinion that petroleum hydrocarbon-bearing soil extends to a maximum depth of approximately 15 feet below grade. The rationale for this opinion is as follows:

- The cemented layer encountered at the Site has acted as a confining layer for the perched groundwater. This layer would minimize the vertical downward movement not only of water, but also of petroleum hydrocarbons.

- Laboratory test results indicate that there is a marked decrease in TRPH concentrations between soil samples collected from the same soil boring

[15] Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site)

at depths of approximately 10 feet below grade and soil samples collected at depths of approximately 15 feet below grade. For example[16]:

- Soil samples B3-10' and B3-15' with TRPH concentrations of 904 and 17 mg/kg, respectively.
- Soil samples B7-10 and B7-16 with TRPH concentrations of 108 and <10 mg/kg, respectively.
- Soil samples B9-10' and B9-15' with TRPH concentrations of 4,550 and 79 mg/kg, respectively.
- Soil samples B10-10' and B3-15' with TRPH concentrations of 117 and <10 mg/kg, respectively.

- All soil samples collected from a depth of approximately 20 feet below grade were reported to have TRPH concentrations of less than 60 mg/kg as shown below:
  - Soil sample B4A-20 with a reported TRPH concentration of 27 mg/kg.
  - Soil sample B10-20 with a reported TRPH concentration of 19 mg/kg.
  - Soil sample MW1-20 with a reported TRPH concentration of 59 mg/kg.

Distribution of Petroleum Hydrocarbon-Bearing Soil

As previously stated, initially the released petroleum hydrocarbons migrated vertically from the point of release, and then migrated horizontally along the cemented layer. The soil excavation activity performed by Halliburton removed the majority of the petroleum hydrocarbon-bearing soil in the immediate vicinity of the former USTs. The remaining petroleum hydrocarbon-bearing soil is located in an approximately 7-foot thick zone, extending from approximately 7 to 14 feet below grade, along the top of the cemented layer.

As shown in Figure 8, the concentration distribution of petroleum hydrocarbon-bearing soil is as expected given the Site geology and hydrogeology and the nature of the release. The highest concentrations are generally in the immediate

[16] The examples include data only from soil borings from which soil samples were collected from depths of approximately 10 and 15 feet below grade.

vicinity of the former USTs. The concentrations of petroleum hydrocarbons generally decrease with distance from the former USTs.

VOLUME OF PETROLEUM HYDROCARBON-BEARING SOIL

Based on the available data, the volume of petroleum hydrocarbon-bearing soil remaining in place was estimated to be 1,212 cubic yards. The assumptions used in making this estimate are as follows:

- The areal extent of petroleum hydrocarbon-bearing soil is assumed to be rectangular with dimensions of approximately 85 feet in length and 55 feet in width.

- Hydrocarbon-bearing soil is limited to a layer encountered between approximately 7 and 14 feet below grade.

Based on these assumptions, the volume of petroleum hydrocarbon-bearing soil is estimated as follows:

- 85 ft. x 55 ft. x 7 ft. = 32,725 cubic feet

- 32,725 cubic feet x (1 cubic yard/27 cubic feet) = 1,212 cubic yards

ASSESSMENT OF GROUNDWATER QUALITY AT THE SITE

It is our opinion that groundwater at the Site has not been impacted[17] by release(s) from the former USTs. In addition, because the vast majority of the petroleum hydrocarbons present in the shallow soil appears to be similar to oil, and the solubility of oil in water is extremely low, it is our opinion that there is a low likelihood that the petroleum hydrocarbon-bearing soil remaining in place will result in impact to the shallow groundwater.

There have been three groundwater monitoring events at this Site. As shown in Table 4, at no time has any concentration of BTEX been reported to exceed maximum contaminant levels[18] (MCLs) for drinking water. It should be stressed that all of the groundwater samples were reported to have no detectable benzene concentrations (Table 4).

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[17] Impact to groundwater for the purposes of this report is defined as concentrations of petroleum hydrocarbons that exceed MCLs, as defined in CCR Title 22, or the presence of free product or groundwater.

[18] MCL as defined in California Code of Regulations, Title 23.

MTBE was only reported to be detectable in one sample collected. Groundwater sample MW-2, collected on November 28, 1995, was reported to have an MTBE concentration of 0.7 µg/l. It should be noted that the detection level for MTBE was 0.6 µg/l. It should be noted the State action level for MTBE is 35 µg/l

In addition to TPH, TRPH, BTEX, and MTBE, groundwater samples collected during this and previous groundwater sampling events have been analyzed for PNAs and HVOCs. There have been no reported detectable concentrations of PNAs or HVOCs.

Detectable concentrations of TRPH were reported in collected groundwater samples. However, it should be noted that there are no known action levels for dissolved concentrations of TRPH in groundwater.

There are various means to estimate the potential for impact to groundwater from the release(s) from the former USTs. These methods may include modeling the solubility and transportation of petroleum hydrocarbons to groundwater, or using laboratory test methods to mimic the potential for leaching. All of these methods are indirect methods and as such are limited by the assumptions incorporated into the methodology.

At this Site we have a direct method of estimating the potential impact to groundwater. The USTs were removed almost eight years ago, and at that time evidence of a release from the USTs was noted. It is reasonable to assume that the release(s) had occurred prior to the time of the UST removal. However, at a minimum, petroleum hydrocarbon-bearing soil has been in contact with groundwater for at least eight years, and to date, there has been no evidence to indicate that groundwater has been impacted. This is strong direct evidence to suggest that the potential for future impact to groundwater is very low.

POTENTIAL RISK OF THE PRESENCE OF PETROLEUM HYDROCARBON-BEARING SOIL AT THE SITE

Potential Risk to Human Health[19]

It is our judgment that there is a very low risk to human health due to the presence of petroleum hydrocarbon-bearing soil at the Site. Our reasons for this judgment are as follows:

- The remaining petroleum hydrocarbon-bearing soil is located at least 7 feet below grade. This 7-foot separation from the surface to the zone of petroleum hydrocarbon-bearing soil effectively prevents human contact

[19] Potential risks to human health are based on the current Site land use.

with the soil, and therefore the potential for ingestion or for dermal exposure.

- The vast majority of released petroleum hydrocarbons are typical of oil. Laboratory test reports indicate that there is a very low concentration of BTEX in the soil. Therefore, the potential for the migration of vapors with BTEX concentrations which may pose a threat to human health is very low to nonexistent.

Also no PNAs

Potential Risk to Groundwater

As previously stated, due to the nature of the petroleum hydrocarbons present in soil, there is a very low potential risk to the shallow groundwater.

CONCLUSIONS

Based on the data reviewed and obtained as part of this assessment, current regulatory guidelines, and our experience, in our professional judgement we have drawn the following conclusions:

- The vast majority of the petroleum hydrocarbons released from the former USTs are typical of oil.
- The interpreted horizontal and vertical extent of petroleum hydrocarbon-bearing soil has generally been assessed.
- Approximately 1,200 cubic yards of petroleum hydrocarbon-bearing soil is present in the immediate vicinity of the former USTs.
- There is a low likelihood that the shallow groundwater at the Site has been impacted from a release(s) from the former USTs.

RECOMMENDATIONS

- Because the remaining petroleum hydrocarbon-bearing soil is judged not to pose a risk to public health nor present a potential impact to groundwater, the SAM should consider issuing a "no further action" letter (site closure).
- After receiving site closure, the Client should consider properly destroying the existing three groundwater monitoring wells.

We have enjoyed working with you on the important project. If we may be of further assistance or you have any question, please feel free to contact the undersigned at 619-571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG 1364
Principal

Daniel E. Johnson
Principal

LMRV1/93E11632.rpt
Attachments

REGISTERED GEOLOGIST
BARRY S. PULVER
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CERTIFIED
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Report Usage and Future Site Conditions

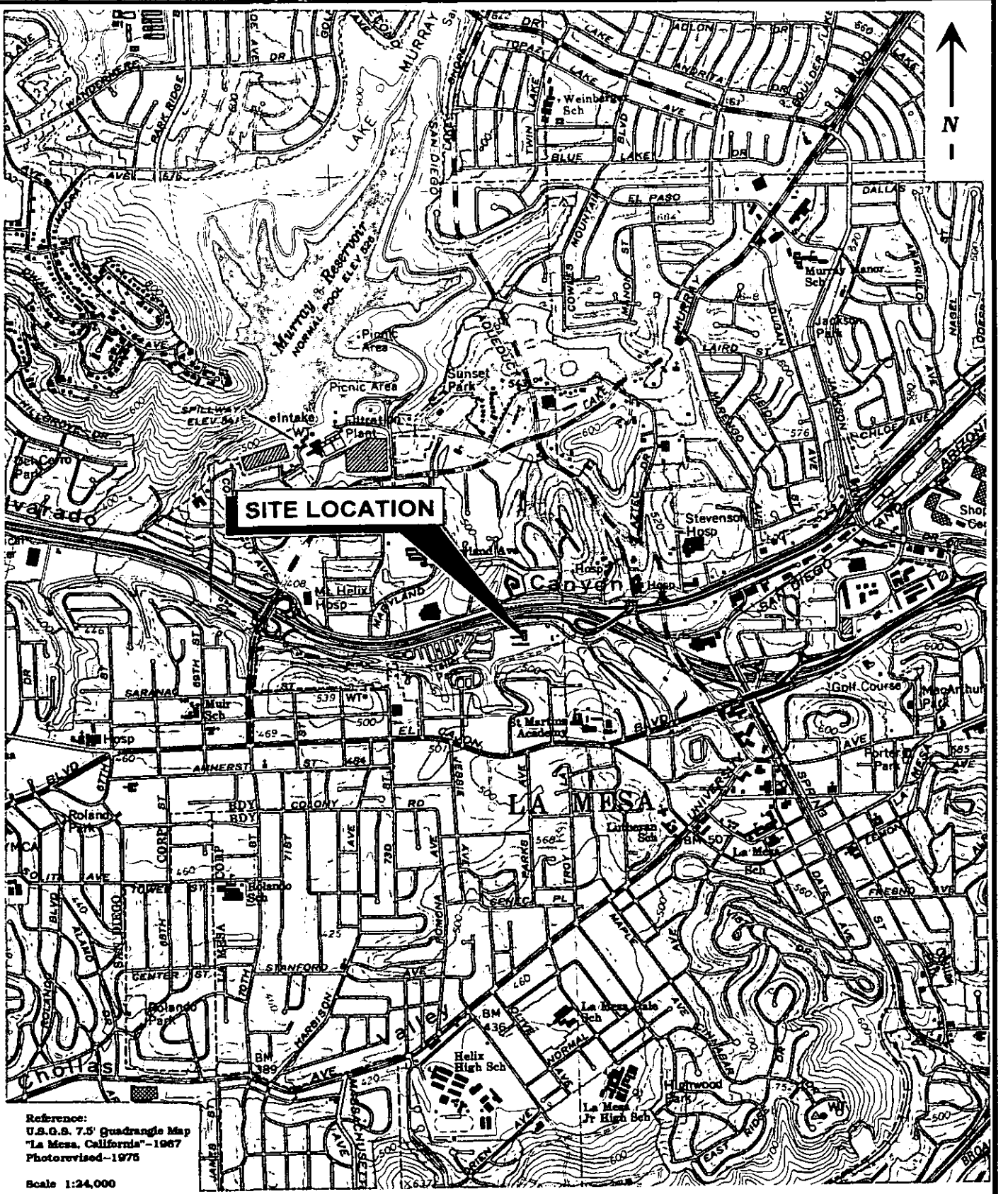
This report is intended for the sole usage of La Mesa R.V. Center and its designated agents. Use of this report is subject to the provisions of the fully executed Consulting Agreement (Contract) between La Mesa R.V. Center and Environmental Business Solutions, Inc. Any third party usage of this report shall be subject to the provisions of the Contract and any unauthorized misuse of or reliance upon the report shall be without risk or liability to Environmental Business Solutions, Inc.

The conclusions of this report are judged to be relevant at the time the work described in this report was conducted. Future conditions may differ and this report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of environmental assessments in San Diego County is consulted to assess the necessity of updating this report.

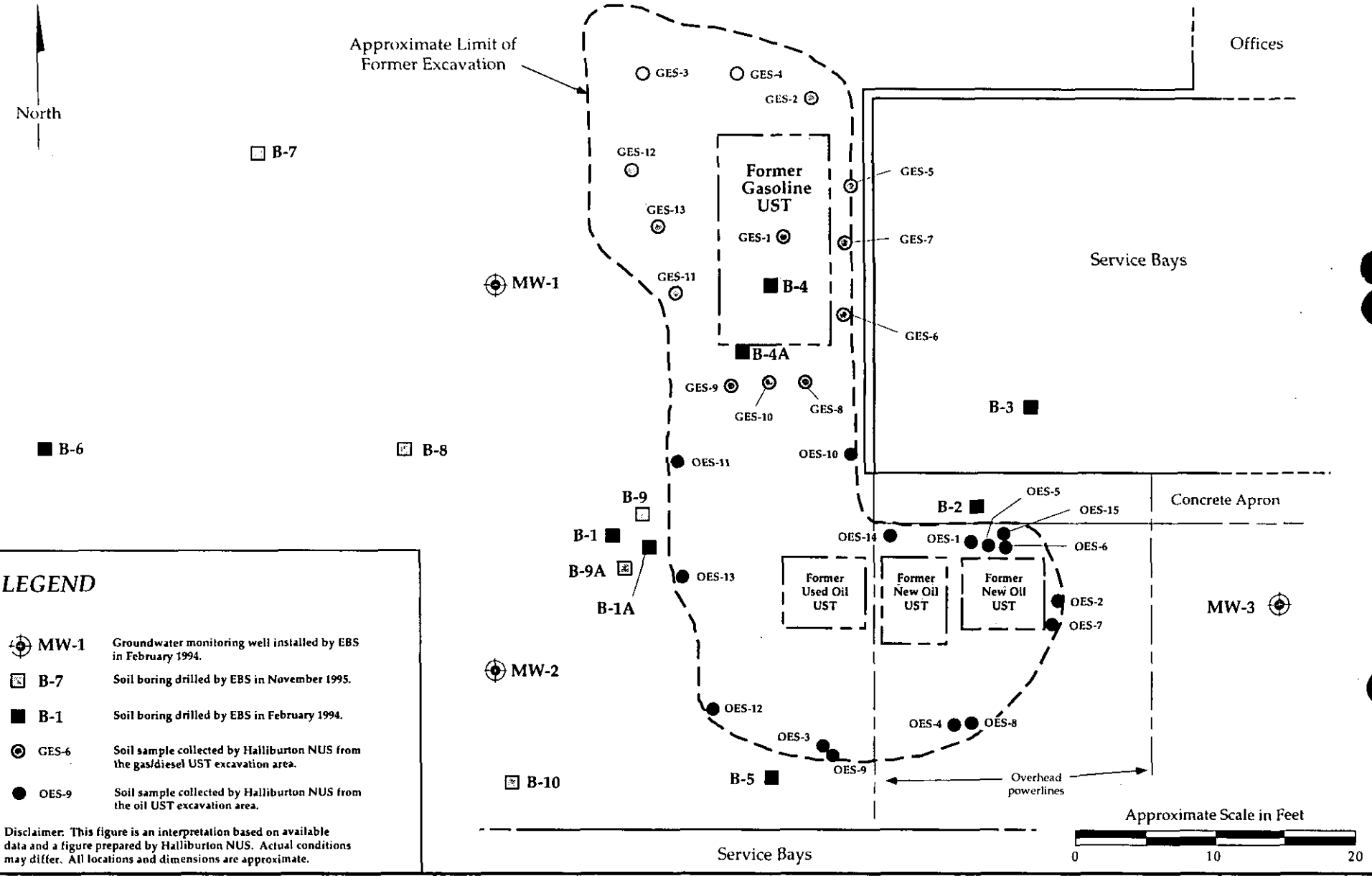
Although this assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include, but are not limited to: 1) our reliance on inadequate or inaccurate information rightfully provided to us by third parties, such as public agencies and other outside sources; 2) the limited scope of this assessment; 3) the presence of undetected, unknown or unreported environmental releases; and 4) the heterogeneous and complex nature of subsurface materials.

APPENDIX

FIGURES



Environmental Business Solutions, Inc.	**Site Location Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.2** **Figure 1**



LEGEND

MW-1	Groundwater monitoring well installed by EBS in February 1994.
B-7	Soil boring drilled by EBS in November 1995.
B-1	Soil boring drilled by EBS in February 1994.
GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

Disclaimer: This figure is an interpretation based on available data and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

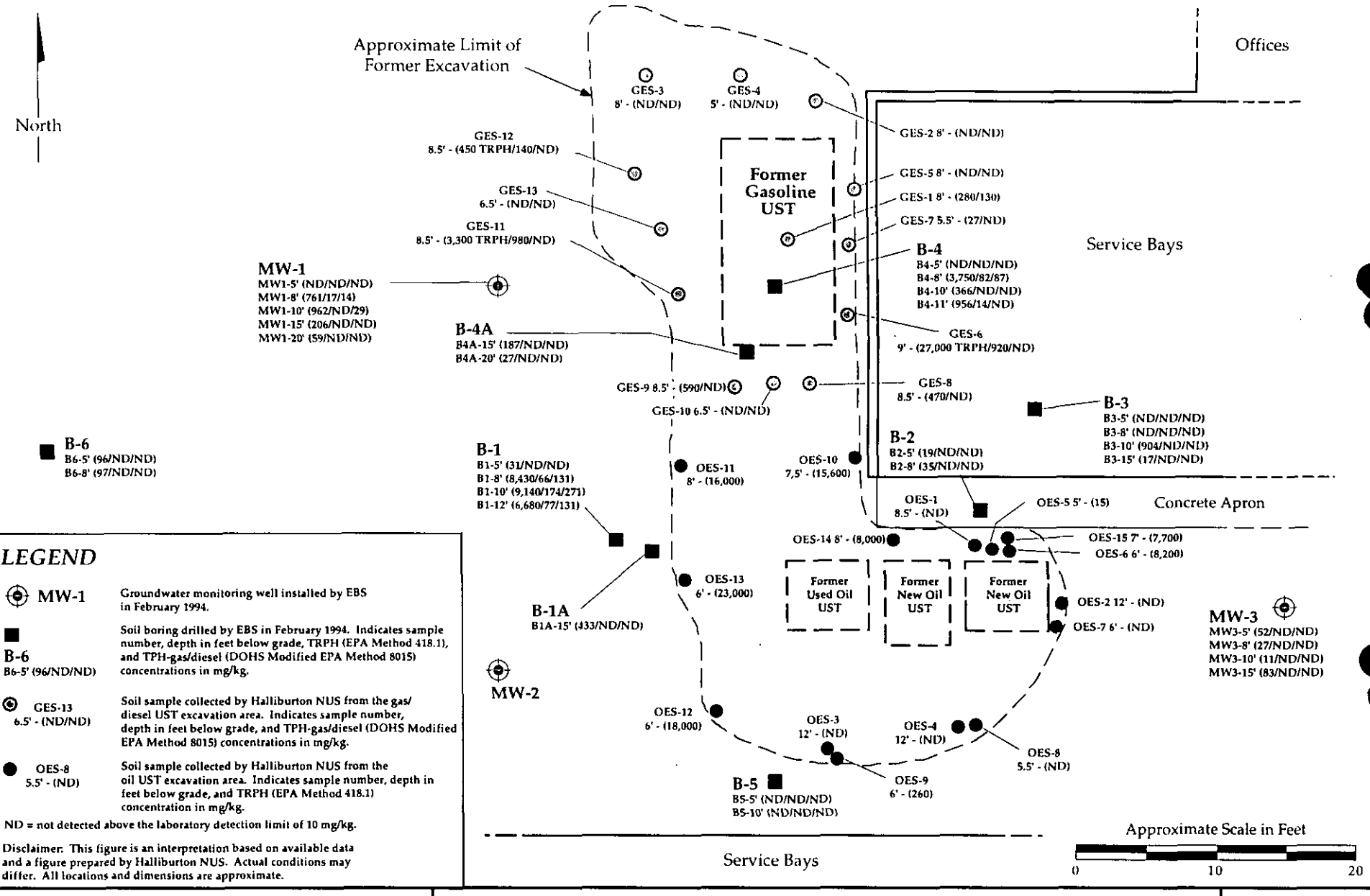
ENVIRONMENTAL BUSINESS SOLUTIONS, Inc.
"Providing Economic Environmental Solutions to the Business Community"

Location of Former Underground Storage Tanks, Groundwater Monitoring Wells, Soil Borings, and Soil Samples

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 2



LEGEND

MW-1	Groundwater monitoring well installed by EBS in February 1994.
B-6 B6-5' (96/ND/ND)	Soil boring drilled by EBS in February 1994. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
GES-13 6.5' - (ND/ND)	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade, and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
OES-8 5.5' - (ND)	Soil sample collected by Halliburton NUS from the oil UST excavation area. Indicates sample number, depth in feet below grade, and TRPH (EPA Method 418.1) concentration in mg/kg.

ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

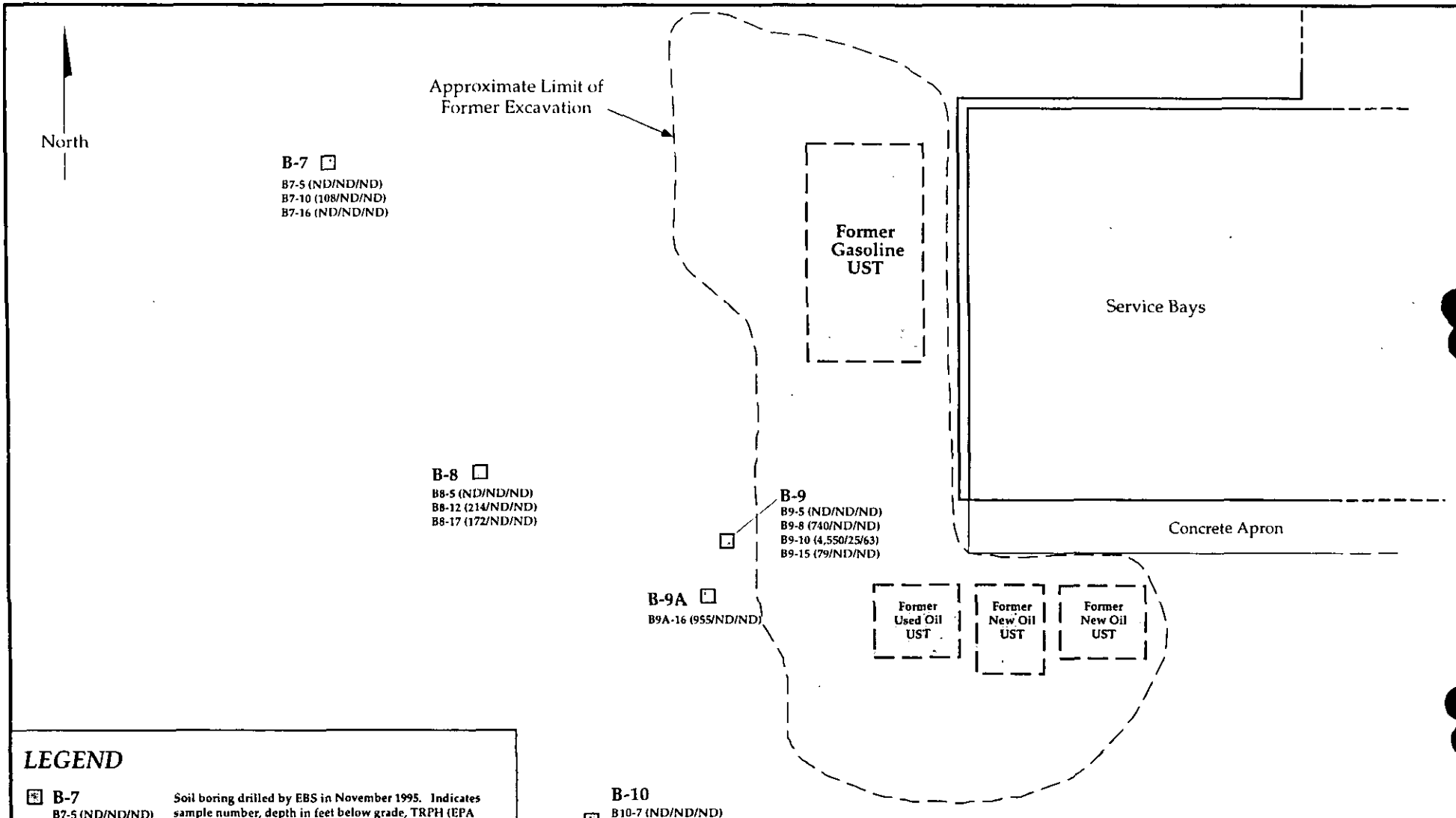
ENVIRONMENTAL BUSINESS SOLUTIONS, Inc.
"Providing Economic Environmental Solutions to the Business Community"

Soil Sample Test Results Prior to November 1995

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 3



LEGEND

B-7
B7-5 (ND/ND/ND)
B7-10 (108/ND/ND)
B7-16 (ND/ND/ND)

Soil boring drilled by EBS in November 1995. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in milligrams per kilogram.

ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

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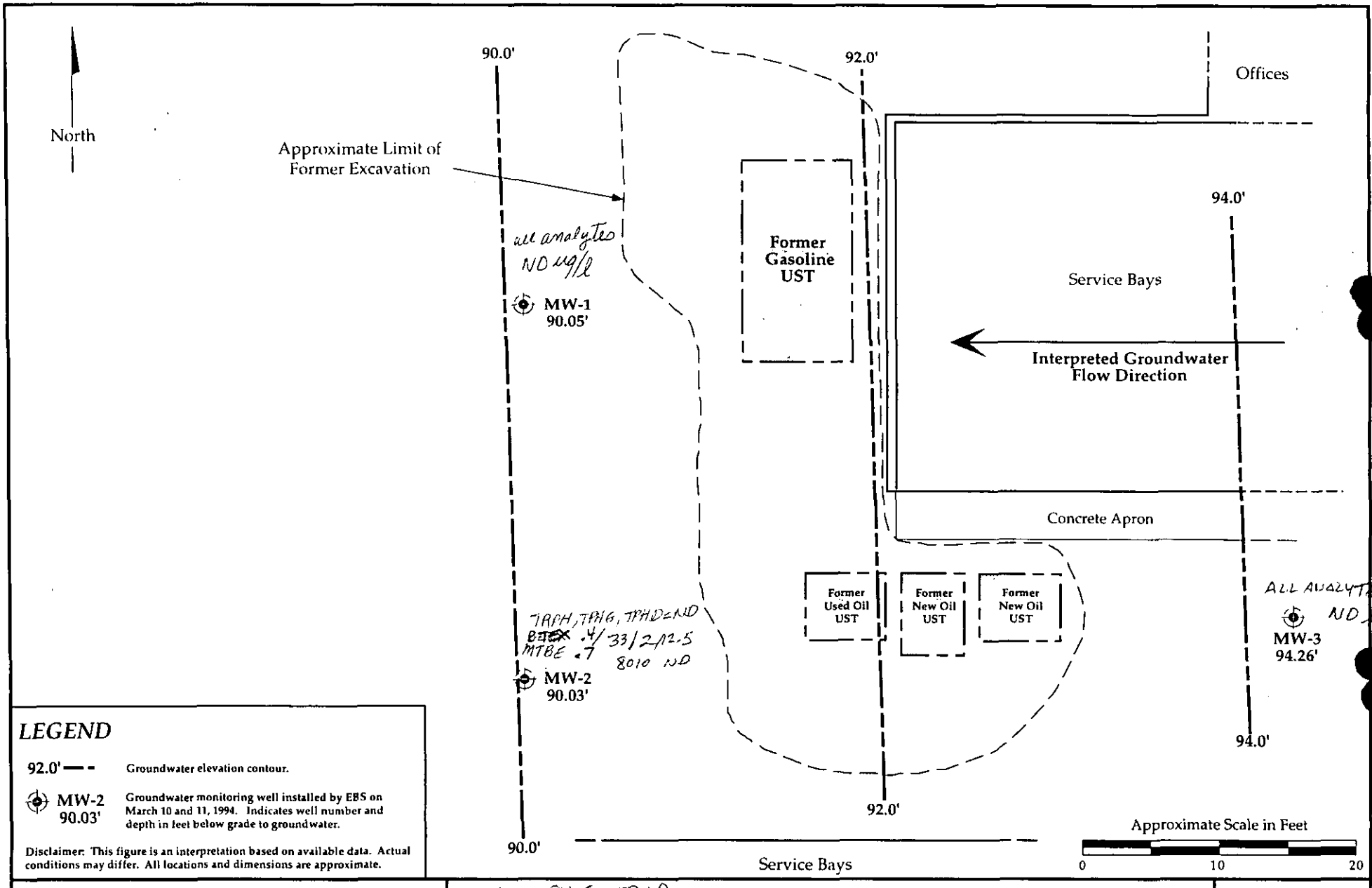
Soil Sample Test Results from November 1995

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 4



LEGEND

92.0' — - Groundwater elevation contour.

MW-2 90.03' Groundwater monitoring well installed by EBS on March 10 and 11, 1994. Indicates well number and depth in feet below grade to groundwater.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

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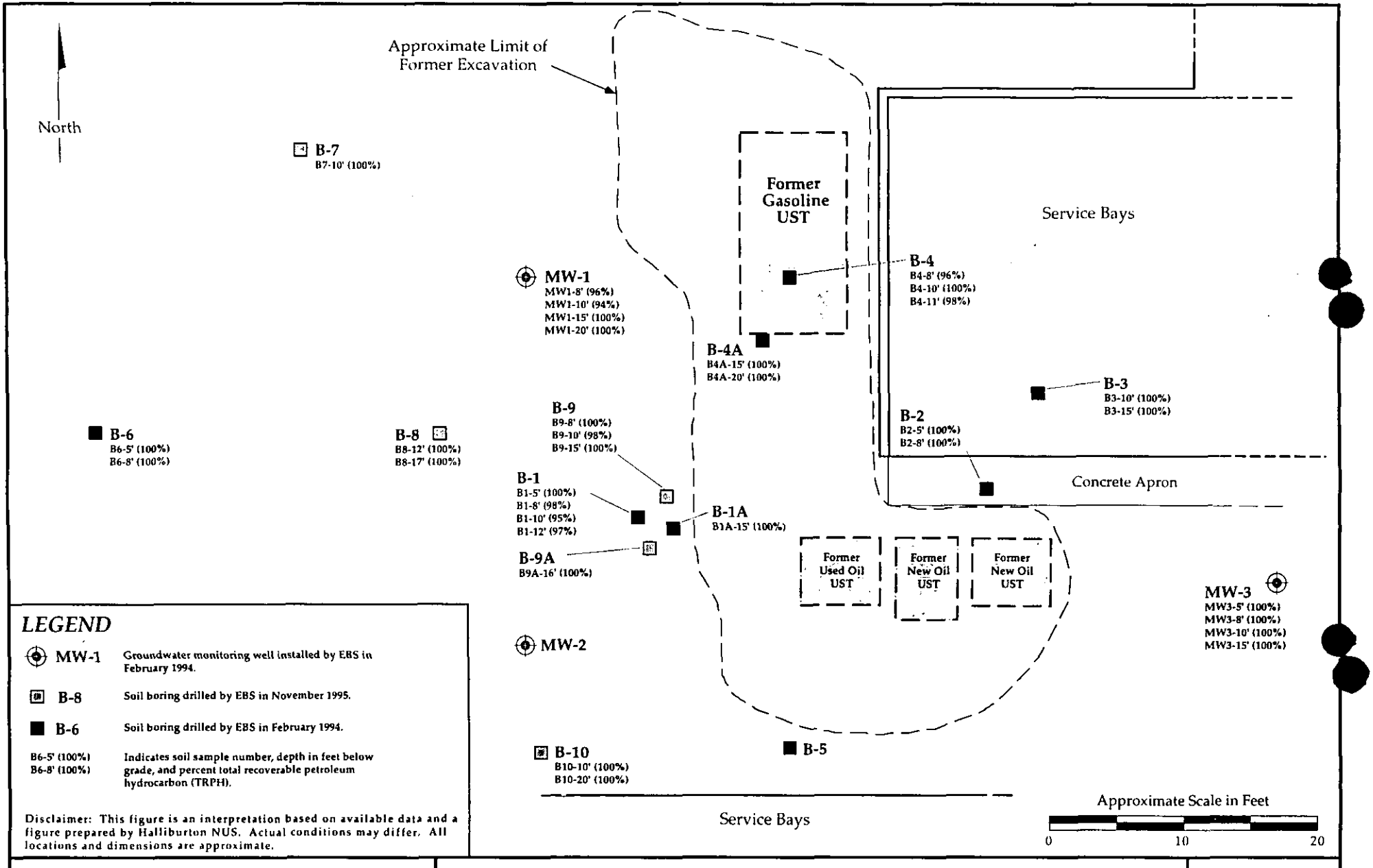
TRPH, TPHG, TPHD
BTEX, 8010, MTBE
11/28/95

Groundwater Gradient Map

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 5



LEGEND

MW-1	Groundwater monitoring well installed by EBS in February 1994.
B-8	Soil boring drilled by EBS in November 1995.
B-6	Soil boring drilled by EBS in February 1994.
B6-5' (100%) B6-8' (100%)	Indicates soil sample number, depth in feet below grade, and percent total recoverable petroleum hydrocarbon (TRPH).

Disclaimer: This figure is an interpretation based on available data and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

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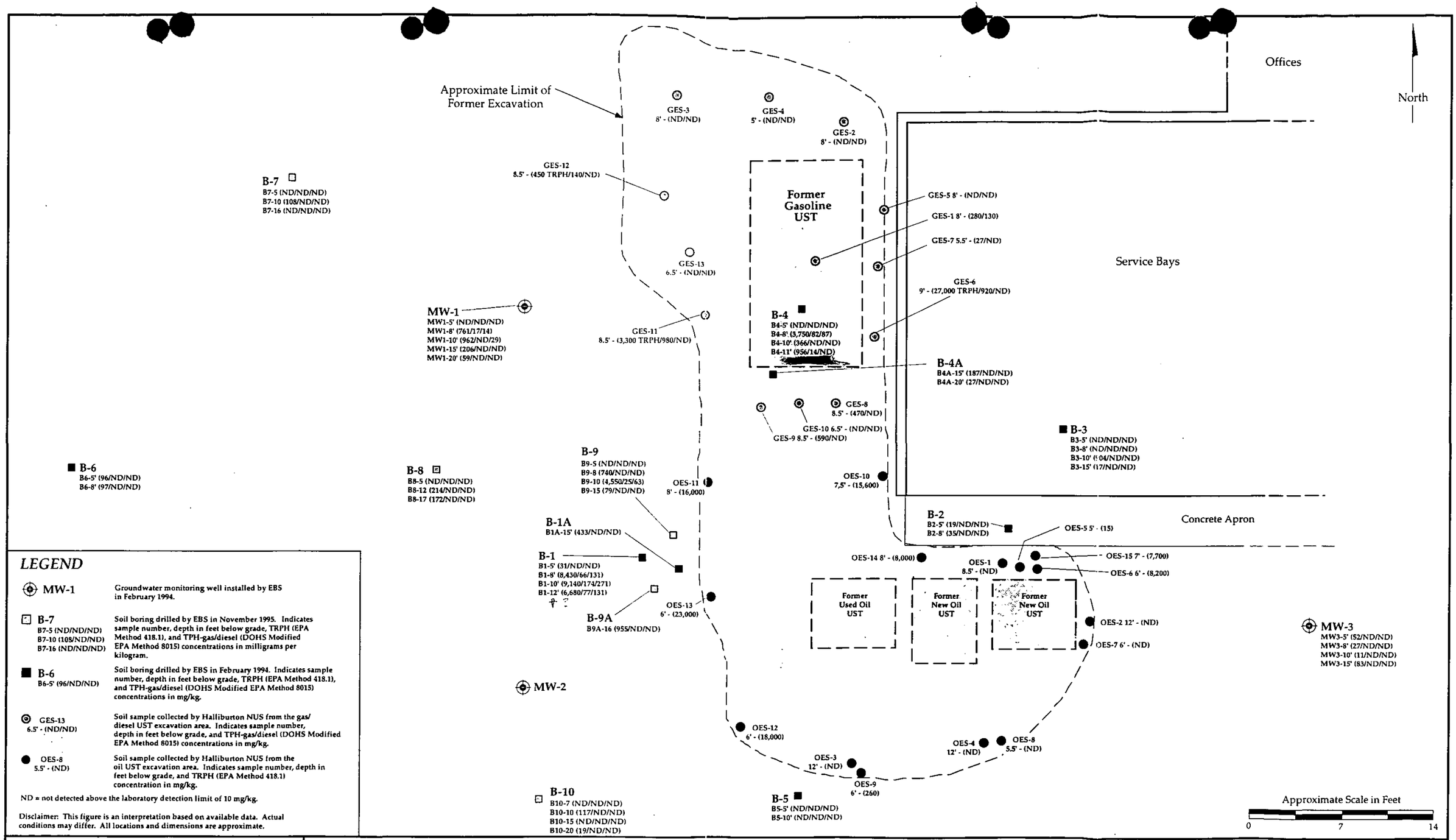
TRPH Percent of Reported TRPH/TPH Concentration of Soil Samples

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 6



LEGEND

MW-1	Groundwater monitoring well installed by EBS in February 1994.
B-7 B7-5 (ND/ND/ND) B7-10 (108/ND/ND) B7-16 (ND/ND/ND)	Soil boring drilled by EBS in November 1995. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in milligrams per kilogram.
B-6 B6-5' (96/ND/ND)	Soil boring drilled by EBS in February 1994. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
GES-13 6.5' - (ND/ND)	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade, and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
OES-8 5.5' - (ND)	Soil sample collected by Halliburton NUS from the oil UST excavation area. Indicates sample number, depth in feet below grade, and TRPH (EPA Method 418.1) concentration in mg/kg.

ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

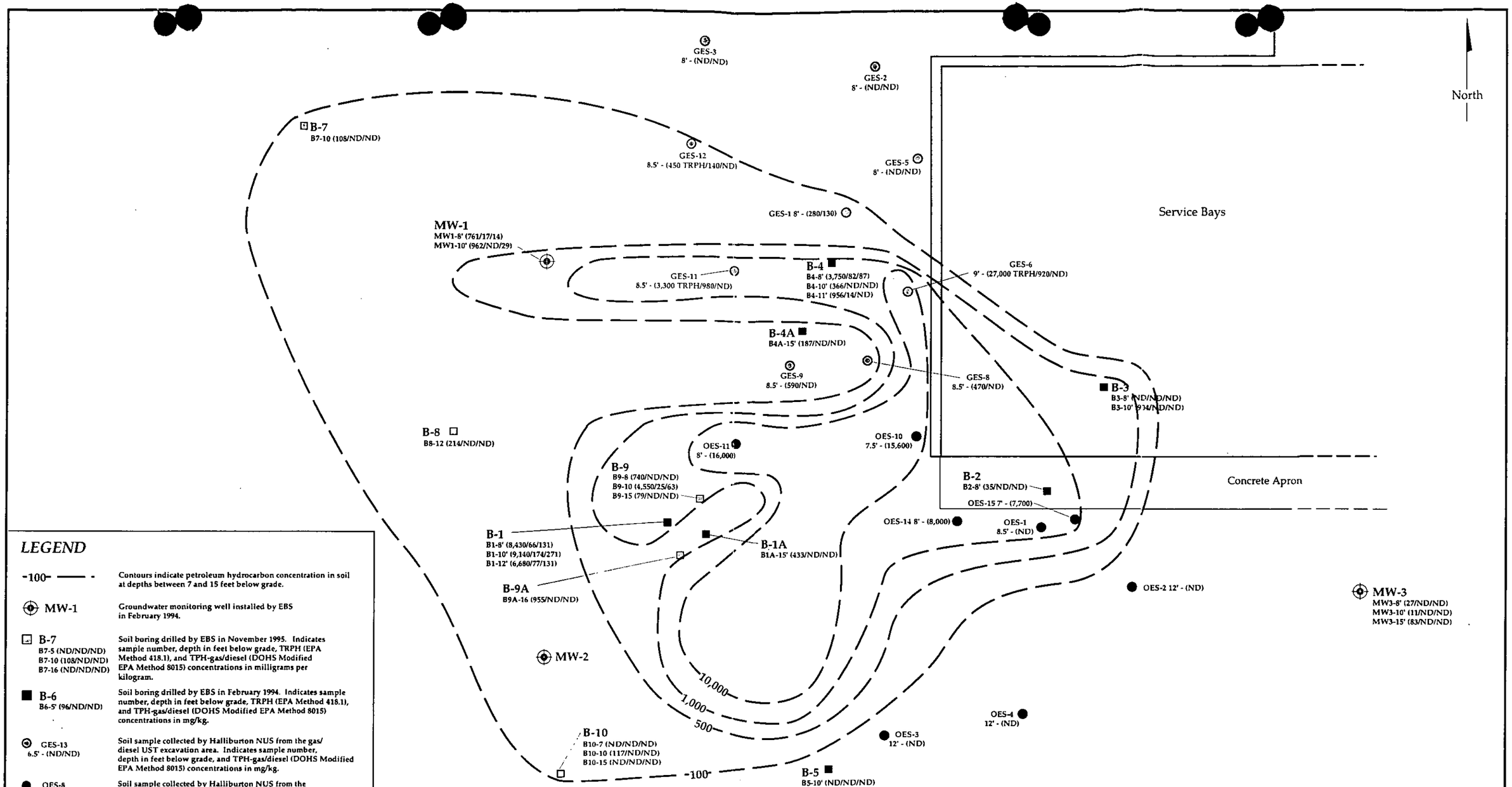
ENVIRONMENTAL BUSINESS SOLUTIONS, Inc.
"Providing Economic Environmental Solutions to the Business Community"

Soil Sample Analytical Results

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
94E1266.1

Figure 7



LEGEND

-100- ——— -	Contours indicate petroleum hydrocarbon concentration in soil at depths between 7 and 15 feet below grade.
⊕ MW-1	Groundwater monitoring well installed by EBS in February 1994.
□ B-7 B7-5 (ND/ND/ND) B7-10 (108/ND/ND) B7-16 (ND/ND/ND)	Soil boring drilled by EBS in November 1995. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in milligrams per kilogram.
■ B-6 B6-5' (96/ND/ND)	Soil boring drilled by EBS in February 1994. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
⊙ GES-13 6.5' - (ND/ND)	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade, and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
● OES-8 5.5' - (ND)	Soil sample collected by Halliburton NUS from the oil UST excavation area. Indicates sample number, depth in feet below grade, and TRPH (EPA Method 418.1) concentration in mg/kg.

ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

ENVIRONMENTAL BUSINESS SOLUTIONS, Inc.
"Providing Economic Environmental Solutions to the Business Community"

Inferred Distribution of Petroleum Hydrocarbon-bearing Soil
(Between Depths of Approximately 7 and 15 Feet Below Grade)

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 8

TABLES

BTEX ? 8010 ? 8080 ?

TABLE 1

SOIL SAMPLE TEST RESULTS - GASOLINE UST EXCAVATION

SAMPLES COLLECTED BY HALLIBURTON NUS - MARCH 1992

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_G (mg/kg)	TPH_D (mg/kg)
NORTH WALL	GES-2	8	---	<10	<10
	GES-3	8	---	<10	<10
	GES-4	5	---	<10	<10
EAST WALL	GES-5	8	---	<10	<10
	GES-6	9	27,000	920	<10
	GES-7	5.5	---	27	<10
SOUTHERN EDGE	GES-8	8	---	470	<10
	GES-9	8.5	---	590	<10
	GES-10	10	---	<10	<10
WEST WALL	GES-11	8.5	3,300	980	<10
	GES-12	8.5	450	140	<10
	GES-13	4.5	---	10	<10
BOTTOM	GES-1	8	---	280	130

Notes:

1. Samples tested by Mobile One Laboratories, Inc. for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, and total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

2. --- = Not tested

3. All sample results are reported in milligrams per kilogram (mg/kg).

4. Data are reported by Halliburton in tables and text. Laboratory test reports were not available for review.

TABLE 2

SOIL SAMPLE TEST RESULTS - OIL UST AREA OF EXCAVATION

SAMPLES COLLECTED BY HALLIBURTON NUS - MARCH 1992

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)
NORTH WALL	OES-1	8.5	<10
	OES-5	5	15
	OES-6	6	8,200
	OES-10	7.5	15,600
	OES-14	8	8,000
	OES-15	7	7,200
EAST WALL	OES-2	12	<10
	OES-7	6	<10
SOUTH WALL	OES-3	8	<10
	OES-4	8	<10
	OES-8	5.5	<10
	OES-9	6	260
WEST WALL	OES-11	8	16,000
	OES-12	6	18,000
	OES-13	6	23,000

Notes:

1. Samples tested by Mobile One Laboratories, Inc., for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1.

2. All sample results are reported in milligrams per kilogram (mg/kg).

3. Data are reported by Halliburton in tables and text. Laboratory test reports were not available for review.

TABLE 3

SOIL SAMPLE TEST RESULTS
SOIL SAMPLES COLLECTED BY EBS ON FEBRUARY 10 AND 11, 1994

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
SOIL BORING B-1	B1-5′	5	31	<10	<10
	B1-8′	8	8,430	66	131
	B1-10′	10	9,140	174	271
	B1-12′	12	6,680	77	131
	B1A-15′	15	433	<10	<10
SOIL BORING B-2	B2-5′	5	19	<10	<10
	B2-8′	8	35	<10	<10
SOIL BORING B-3	B3-5′	5	<10	<10	<10
	B3-8′	8	<10	<10	<10
	B3-10′	10	904	<10	<10
	B3-15′	15	17	<10	<10
SOIL BORING B-4	B4-5′	5	<10	<10	<10
	B4-8′	8	3,750	82	87
	B4-10′	10	366	<10	<10
	B4-11′	11	956	14	<10
	B4A-15′	15	187	<10	<10
	B4A-20′	20	27	<10	<10
SOIL BORING B-5	B5-5′	5	<10	<10	<10
	B5-10′	10	<10	<10	<10
SOIL BORING B-6	B6-5′	5	96	<10	<10
	B6-8′	8	97	<10	<10

Notes:

1. Soil samples collected by EBS on Feburary 10 and 11, 1994, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_G) and as diesel (TPH_D) in general accordance with modified EPA Method 8015.

2. All sample results are reported in milligrams per kilogram (mg/kg).

TABLE 3 (CONTINUED)

SOIL SAMPLE TEST RESULTS
SOIL SAMPLES COLLECTED BY EBS ON FEBRUARY 10 AND 11, 1994

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
WELL MW-1	MW1-5'	5	<10	<10	<10
	MW1-8'	8	761	17	14
	MW1-10'	10	962	36	25
	MW1-15'	15	206	<10	<10
	MW1-20'	20	59	<10	<10
WELL MW-3	MW3-5'	5	52	<10	<10
	MW3-8'	8	27	<10	<10
	MW3-10'	10	11	<10	<10
	MW3-15'	15	83	<10	<10

Notes:

1. Soil samples collected by EBS on Feburary 10 and 11, 1994, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

2. All samples results are reported as milligrams per kilogram (mg/kg).

TABLE 4

GROUNDWATER SAMPLE TEST RESULTS
TRPH, TPH_g and TPH_d, BTEX and MTBE

WELL NUMBER	SAMPLE DATE	TRPH (µg/l)	TPH_g (µg/l)	TPH_d (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)	MTBE (µg/l)
MW-1	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	410	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
MW-2	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	1,000	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	32.9	2.0	12.5	0.7
MW-3	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	950	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6

12/05 -4 µg/l Benzene

Notes:

1. Samples were tested for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015, and for benzene (B), toluene (T) ,ethylbenzene (E), total xylenes (X), and methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020.

2. --- = Sample not tested for corresponding constituent.

3. All sample results are reported in micrograms per liter (µg/l).

4. With the exception of the MTBE analysis, the groundwater samples collected in November 1995 were analyzed by TEG.

TABLE 5

GROUNDWATER MONITORING RESULTS

WELL NUMBER	DATE	DEPTH TO WATER	DEPTH TO PRODUCT	TOC-ELEV	ELEV-GW
MW-1	2/17/94	8.01	***	97.93	89.92
	3/28/95	7.65	***	97.93	90.28
	11/28/95	7.88	***	97.93	90.05
MW-2	2/17/94	8.71	***	98.53	89.82
	3/28/95	8.28	***	98.53	90.25
	11/28/95	8.50	***	98.53	90.03
MW-3	2/17/94	4.65	***	98.89	94.24
	3/28/95	4.56	***	98.89	94.33
	11/28/95	4.63	***	98.89	94.26

Notes:

1. All measurements in feet.

2. TOC-ELEV = Elevation of the top of casing in feet above mean sea level (msl). TOC-ELEV from survey performed by Hopwood Surveying on February 26, 1994.

3. ELEV-GW = Elevation of groundwater as measured in well in feet (msl).

4. *** = Product not encountered in well.

TABLE 6

SOIL SAMPLE TEST RESULTS

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS AND TOTAL PETROLEUM HYDROCARBONS

SOIL SAMPLES COLLECTED BY EBS ON NOVEMBER 28 AND 29, 1995

SOIL BORING	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
B-7	B7-5	5	<10	<10	<10
	B7-10	10	108/123	<10	<10
	B7-16	16	<10	<10	<10
B-8	B8-5	5	<10	<10	<10
	B8-12	12	214	<10	<10
	B8-17	17	172	<10	<10
B-9	B9-5	5	<10	<10	<10
	B9-8	8	740	<10	<10
	B9-10	10	4,550	25	63
	B9-15	15	79	<10	<10
	B9A-16	16	955	<10	<10
B-10	B10-7	7	<10	<10	<10
	B10-10	10	117	<10	<10
	B10-15	15	<10	<10	<10
	B10-20	20	19	<10	<10

Notes:

1. Soil samples collected by EBS on November 28 and 29, 1995, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_G) and as diesel (TPH_D) in general accordance with modified EPA Method 8015.

2. *All samples results are reported in milligrams per kilogram (mg/kg).*

TABLE 7

SOIL SAMPLE TEST RESULTS

BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES

SOIL SAMPLES COLLECTED BY EBS ON NOVEMBER 28 AND 29, 1995

Sample Number	TRPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)
B7-10	108	<0.050	<0.050	<0.050	<0.050
B8-12	214	<0.050	0.110	<0.050	0.066
B9-10	4,550	<0.050	<0.050	<0.050	<0.050
B10-10	117	<0.050	<0.050	<0.050	<0.050

Notes:

1. TRPH = Total recoverable petroleum hydrocarbons in general accordance with EPA Method 418.1.

2, Benzene, toluene, ethylbenzene, and xylenes in general accordance with EPA Method 8020.

3. Laboratory analyses performed by Transglobal Environmental Geochemistry, Inc.

4. All samples results are reported in milligrams per kilogram (mg/kg).

TABLE 8

RATIO OF CONCENTRATIONS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS TO TOTAL PETROLEUM HYDROCARBONS

Sample No.	TRPH (mg/kg)	TPH (mg/kg)	% TRPH	Sample No.	TRPH (mg/kg)	TPH (mg/kg)	% TRPH
B1-5′	31	<10	100	MW1-8′	761	31	96
B1-8′	8,430	197	98	MW1-10′	962	61	94
B1-10′	9,140	445	95	MW1-15′	206	<10	100
B1-12′	6,680	208	97	MW1-20′	59	<10	100
B1A-15′	433	<10	100	MW3-5′	52	<10	100
B2-5′	19	<10	100	MW3-8′	27	<10	100
B2-8′	35	<10	100	MW3-10′	11	<10	100
B3-10′	904	<10	100	MW3-15′	83	<10	100
B3-15′	17	<10	100	B7-10	108	<10	100
B4-8′	3,750	169	96	B8-12	214	<10	100
B4-10′	366	<10	100	B8-17	172	<10	100
B4-11′	956	14	98	B9-8	740	<10	100
B4A-15′	187	<10	100	B9-10	4,550	88	98
B4A-20′	27	<10	100	B9-15	79	<10	100
B6-5′	96	<10	100	B9A-16	955	<10	100
B6-8′	97	<10	100	B10-10	117	<10	100
				B10-20	19	<10	100

99.15

NOTE:

1. Percent TRPH reflects the percentage of petroleum hydrocarbons with carbon chain lengths of C_{25} to C_{40}. The percentage was estimated as follows:

$$\frac{\text{TRPH concentration - TPH concentration}}{\text{TRPH concentration}} \times 100$$

WORKPLAN APPROVAL LETTER

County of San Diego

GARY R. STEPHANY
DIRECTOR

DANIEL J. AVERA
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

June 19, 1995

93GU63.1

RECEIVED
JUN 27 1995
Environmental Business Solutions, Inc.

Mr. James Buckner
La Mesa RV Center, Inc.
c/o Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 W. Broadway, Suite #2600
San Diego, CA 92101

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the Quarterly Groundwater Monitoring Report for the First Quarter 1995 and Workplan Describing Additional Site Assessment Activities (Workplan) dated May 1, 1995.

The Workplan prepared by Environmental Business Solutions, Inc. proposes to drill four soil borings to provide additional information on the horizontal and vertical spread of petroleum hydrocarbon contamination.

The Workplan has been approved with the following changes or conditions:

The Workplan proposes to use a pre-existing boring (B4A) to provide confirmation of the vertical extent of contamination at B4. This is acceptable if the registered professional can demonstrate that the soil samples collected at B4A are representative, ie; soil classification at both locations is the same and soil sample collection protocol was appropriate for collecting the soil samples at B4A.

Please include EPA 8240 or EPA 8010 to the analyses required for the next groundwater monitoring. The 1995 SAM manual requires that the groundwater monitoring wells be screened, at least once, for the presence of volatile organic compounds.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Division 20, Chapter 6.75, Article 6).

The need for further site characterization and mitigation actions will be determined following evaluation of the written report and consultation with the San Diego Regional Water Quality Control Board (RWQCB) .

If you have any questions, please call me at (619) 338-2257.

Sincerely,

Carol Spangenberg

CAROL SPANGENBERG, Hazardous Materials Specialist
Site Assessment and Mitigation Division

CS:lf

cc: John Odermatt, RWQCB
Steve W. Blanchard, Environmental Business Solutions, Inc.

WP\H02651D

Environmental Business Solutions, Inc.

BORING LOG

Number: B-7

Client: La Mesa R.V. Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	6"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TRPH/ (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.:	
			0				
			1			**Pavement:** Asphaltic concrete	
			2			**Top soil:** Dark gray brown silty sand, fine gravel, massive texture, *damp.*	
			3				
			4				
B7-5	ND	15	5	SM			
			6				
			7				
			8				
			9			**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			10				
B7-10	108	65	11	GW/ GM			
			12				
			13				
			14				
B7-15	No recovery	6/ 50-3"	15			No recovery at 15'.	
B7-16	ND	50-6"	16			**Alluvium:** Moderate yellow brown, silty sand with fine gravel.	
			17				
			18	SM			
			19				
			20				
B7-20	No recovery	50-1"	21			No recovery at 20' below 20' very dense, cemented.	
			22			Boring terminated at 21' below grade. Boring backfilled with bentonite slurry.	
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BORING LOG

Number: B-8

Client: La Mesa R.V. Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	6"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TRPH/ (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0				
			1			**Pavement:** Asphaltic	
			2	SM		**Top soil:** Dark gray brown silty sand, fine gravel, massive texture, damp.	
			3				
			4				
B8-5	ND	38	5				
			6				
B8-8	No recovery	7/ 50-1"	7				
			8				
			9			**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			10			10' gravel layer	
			11				
B8-12	214	50/ 50-2"	12				
			13				
			14	GW/ GM			
B8-15	No recovery	50-3"	15				
			16			Below 18' gravel layer, very difficult drilling	
B8-17	172	100	17				
			18				
			19				
			20				
			21			Boring terminated at 20' below grade. Below 18' could not sample, due to gravels. Boring backfilled with bentonite slurry.	
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BORING LOG

Number: B-9

Client: La Mesa R.V. Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	6"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TRPH/(ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.:	
			0				
			1			**Pavement:** Asphaltic concrete	
			2			**Top soil:** Grey brown silty sand with fine gravel, massive texture.	
			3				
			4				
			5				
B9-5	ND	24	6	SM		At 5.5' color change to black.	
			7				
			8				
B9-8	740	39	9				
			10			At 10' color change to black.	
B9-10	4550	38	11	GW/ GM		**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			12				
			13				
			14				
			15				
B9-15	79	50-3"	16			Below 15' very difficult drilling.	
B9A-16	955	50-5"	17				
			18				
			19				
			20				
B9-20	No recovery	50-1"	21				
			22			This log is completion of soil borings B-9 and B-9A. Borings backfilled with bentonite slurry.	
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BORING LOG

Number: B-10

Client: La Mesa R.V. Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	6"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TRPH/ (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.	
			0				
			1			**Pavement:** Asphaltic concrete	
			2			**Top soil:** Grey brown silty sand with fine gravel, massive texture, damp.	
			3				
			4				
			5				
B10-5	No recovery	50-2"	6	SM			
B10-6	No recovery	50-3"	7			Between 5-7' gravel layer.	
B10-7	ND	55	8				
			9			**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			10				
B10-10	117	50-6"	11	GW/ GM			
			12				
			13				
			14				
			15			At 15'- increase in clay matrix.	
B10-15	ND	50-6"	16				
			17				
			18				
			19				
			20				
B10-20	19	50-6"	21				
			22			Boring terminated at 21' below grade. Boring backfilled with bentonite slurry.	
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

LABORATORY REPORTS
T.E.G.

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RECEIVED
DEC 11 1995
Environmental Business Solutions, Inc.

December 5, 1995

Mr. Barry Pulver
Environmental Business Solutions, Inc.
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

93E1163.2

SUBJECT: DATA REPORT - LA MESA RV - 7601 ALVARADO, LA MESA, CA - EBS PROJECT #93E1163.2

TEG Project #951128W1 & 951129-11

Mr. Pulver:

Please find enclosed a data report for the above referenced project. All samples were analyzed on-site in TEG's DOHS certified mobile laboratory (CERT #1745).

Project Summary

The following analyses were conducted:

- 15 soils and 3 waters for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015
- 4 soils and 3 waters for volatile aromatic hydrocarbons (BTEX) by Modified EPA Method 8020
- 15 soils and 3 waters for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

Samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Dee 11/28 RPD

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfilled quality control criteria.

TEG appreciates the opportunity to provide analytical services to Environmental Business Solutions on this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman

Dr. Blayne Hartman

432 NORTH CEDROS AVENUE • SOLANA BEACH, CA 92075 • 619-793-0401 • FAX 619-793-0404

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EBS PROJECT #93E1163.2
La Mesa RV
7601 Alvarado
La Mesa, CA

TEG Project #951128W1

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)	SURROGATE (%REC)
METHOD BLANK	11/28/95	ND	ND	ND	ND	ND	ND	ND	ND
B7-5	11/28/95	ND	ND	ND	--	--	--	--	--
B7-10	11/28/95	108	ND	ND	ND	ND	ND	ND	114%
B7-10 DUP	11/28/95	123	ND	ND	ND	ND	ND	ND	116%
B7-16	11/28/95	ND	ND	ND	--	--	--	--	--
B8-5	11/28/95	ND	ND	ND	--	--	--	--	--
B8-12	11/28/95	214	ND	ND	ND	0.110	ND	0.066	131%
B8-17	11/28/95	172	ND	ND	--	--	--	--	--
B10-7	11/28/95	ND	ND	ND	--	--	--	--	--
B10-10	11/28/95	117	ND	ND	ND	ND	ND	ND	101%
B10-15	11/28/95	ND	ND	ND	--	--	--	--	--
B10-20	11/28/95	19	ND	ND	--	--	--	--	--
DETECTION LIMITS		10	10	10	0.050	0.050	0.050	0.050	65%-135%

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Myriam Kadkhodayan
12/7/95

teg

H2O

EBS PROJECT #93E1163.2
La Mesa RV
7601 Alvarado
La Mesa, CA

TEG Project #951128W1

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF WATERS

SAMPLE NUMBER	DATE ANALYZED	TRPH (ug/l)	TPH-GAS C5-C11 (ug/l)	TPH-DIESEL C12-C24 (ug/l)	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZ (ug/l)	XYLENES (ug/l)
METHOD BLANK	11/28/95	ND	ND	ND	ND	ND	ND	ND
MW1	11/28/95	ND	ND	ND	ND	ND	ND	ND
MW2	11/28/95	ND	ND	ND	ND	32.9	2.0	12.5
MW2 DUP	11/28/95	ND	ND	ND	ND	28.9	1.4	11.0
MW3	11/28/95	ND	ND	ND	ND	ND	ND	ND
DETECTION LIMITS		500	500	500	0.5	0.5	0.5	0.5

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

12/7/95

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11/28/95

EBS PROJECT #93E1163.2
La Mesa RV
7601 Alvarado
La Mesa, CA

TEG Project #951129-11

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)
METHOD BLANK	11/30/95	ND	ND	ND	ND	ND	ND	ND
B9-5'	11/30/95	ND	ND	ND	–	–	–	–
B9-8'	11/30/95	740	ND	ND	–	–	–	–
B9-10'	11/30/95	**4,550	25	*63	ND	ND	ND	ND
B9-15'	11/30/95	79	ND	ND	–	–	–	–
B9A-16'	11/30/95	955	ND	ND	–	–	–	–
B9-5' DUP	11/30/95	ND	ND	ND	–	–	–	–
DETECTION LIMITS		10	10	10	0.050	0.050	0.050	0.050

* ATYPICAL OF DIESEL FINGERPRINT
** INDICATES SAMPLE DILUTION
ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

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QA/QC REPORT - CALIBRATION DATA

TEG PROJECT #951129-11
DAILY CALIBRATION DATE : 11/30/95

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	11/6/95	0.645	4.1%	359	0.598	7.3%	345	0.575	10.9%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	11/6/95	0.757	2.4%	418	0.697	8.0%	421	0.702	7.3%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	11/6/95	0.657	3.0%	377	0.628	4.3%	344	0.573	12.7%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	11/6/95	0.271	1.6%	365	0.243	10.3%	354	0.236	13.0%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	11/6/95	0.299	7.1%	424	0.283	5.3%	428	0.285	4.4%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	11/6/95	0.278	5.6%	367	0.245	12.1%	387	0.258	7.3%
BENZENE	0.01 - 10	0.33 - 330	7/31/95	109.53	2.1%	326	108.54	0.9%	318	106.10	3.1%
TOLUENE	0.01 - 10	0.33 - 330	7/31/95	82.21	4.4%	275	91.69	11.5%	255	85.00	3.4%
ETHYLBENZENE	0.01 - 10	0.33 - 330	7/31/95	62.47	5.8%	192	63.92	2.3%	180	60.12	3.8%
m&p-XYLENES	0.01 - 10	0.33 - 330	7/31/95	74.98	7.0%	578	96.34	28.5%	533	88.78	18.4%
o-XYLENES	0.01 - 10	0.33 - 330	7/31/95	59.11	5.2%	196	65.46	10.7%	202	67.34	13.9%
TRPH	20 - 1,000	20 - 1,000	4/12/95	643.28	3.1%	0.783	638.57	0.7%	0.789	633.71	1.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95.

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QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 11/30/95

TEG Project #951129-11

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	556	111.2%	580	116.0%	4.2%	15%	75% - 110%
TPH GASOLINE	200	190	95.0%	190	95.0%	0.0%	15%	82% - 122%
TPH DIESEL	500	449	89.8%	467	93.4%	3.9%	15%	72% - 112%
BENZENE	1.000	1.022	102.2%	0.987	98.7%	3.5%	15%	77% - 109%
TOLUENE	1.000	0.998	99.8%	1.001	100.1%	0.3%	15%	75% - 112%
ETHYLBENZENE	1.000	0.952	95.2%	0.975	97.5%	2.4%	15%	74% - 110%
TOTAL XYLENES	3.000	3.507	116.9%	3.572	119.1%	1.8%	15%	81% - 109%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

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QA/QC REPORT - CALIBRATION DATA

TEG PROJECT #951128W1
DAILY CALIBRATION DATE : 11/28/95

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	11/6/95	0.645	4.1%	344	0.573	11.2%	349	0.582	9.9%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	11/6/95	0.757	2.4%	454	0.757	0.1%	420	0.700	7.5%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	11/6/95	0.657	3.0%	407	0.678	3.3%	362	0.603	8.1%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	11/6/95	0.271	1.6%	349	0.233	14.3%	353	0.235	13.3%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	11/6/95	0.299	7.1%	459	0.306	2.5%	429	0.286	4.2%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	11/6/95	0.278	5.6%	383	0.255	8.2%	349	0.233	16.4%
BENZENE	0.01 - 10	0.33 - 330	7/31/95	109.53	2.1%	306	102.00	6.9%	299	99.50	9.2%
TOLUENE	0.01 - 10	0.33 - 330	7/31/95	82.21	4.4%	257	85.78	4.3%	248	82.76	0.7%
ETHYLBENZENE	0.01 - 10	0.33 - 330	7/31/95	62.47	5.8%	163	54.40	12.9%	169	56.30	9.9%
m&p-XYLENES	0.01 - 10	0.33 - 330	7/31/95	74.98	7.0%	517	86.20	15.0%	508	84.58	12.8%
o-XYLENES	0.01 - 10	0.33 - 330	7/31/95	59.11	5.2%	203	67.58	14.3%	176	58.52	1.0%
TRPH	20 - 1,000	20 - 1,000	4/12/95	643.28	3.1%	0.770	649.35	0.9%	0.772	647.67	0.7%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 11/28/95
TEG Project #951128W1

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	540	108.0%	556	111.2%	2.9%	15%	75% - 110%
TPH GASOLINE	200	179	89.5%	201	100.5%	11.6%	15%	82% - 122%
TPH DIESEL	500	424	84.8%	491	98.2%	14.6%	15%	72% - 112%
BENZENE	1.000	0.936	93.6%	1.025	102.5%	9.1%	15%	77% - 109%
TOLUENE	1.000	0.991	99.1%	1.114	111.4%	11.7%	15%	75% - 112%
ETHYLBENZENE	1.000	0.817	81.7%	0.998	99.8%	19.9%	15%	74% - 110%
TOTAL XYLENES	3.000	3.045	101.5%	3.527	117.6%	14.7%	15%	81% - 109%

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR WATERS

ANALYSIS DATE : 11/28/95
TEG Project #951128W1

COMPOUND	SPK CONC (ug/L)	MS CONC (ug/L)	%REC MS	MSD CONC (ug/L)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE %MS
TRPH	5,000	5,210	104.2%	5,983	119.7%	13.8%	15%	75% - 110%
TPH GASOLINE	2,000	2,207	110.4%	2,124	106.2%	3.8%	15%	63% - 117%
TPH DIESEL	5,000	6,173	123.5%	5,796	115.9%	6.3%	15%	61% - 111%
BENZENE	10.0	11.0	110.0%	10.9	109.0%	0.9%	15%	63% - 108%
TOLUENE	10.0	10.9	109.0%	11.1	111.0%	1.8%	15%	62% - 90%
ETHYLBENZENE	10.0	9.1	91.0%	9.4	94.0%	3.2%	15%	65% - 106%
TOTAL XYLENES	30.0	30.0	100.0%	31.5	105.0%	4.9%	15%	64% - 103%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #: _____

CLIENT: EAS

ADDRESS: 8799 Balboa Ave Ste. 290

PHONE: 571-9900 FAX: 571-9357

CLIENT PROJECT #: 93E1163.2 PROJECT MANAGER: B. Pulver

DATE: 11-28-95 PAGE 01 OF 01

TEG PROJECT #: 9511284W1

LOCATION: 7601 Alvarado La Mesa

COLLECTOR: B. Pulver DATE OF COLLECTION: 11-28

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Lab No.
B7-5	5'		SOIL	4oz jar				X		X											1	
B7-10	10'				X			X		X											1	
B7-16	16'			Brass tube				X		X											1	
B8-5	5'							X		X											1	
B8-12	12'			4 oz jar	X			X		X											1	
B8-17	17'			4 oz jar				X		X											1	
MW2		2:45pm	AQ	40mL VOA	X			X		X											6	
MW3		3:20pm	AQ	40mL VOA	X			X		X											6	
B10-7	7		SOIL	Brass tube				X		X											1	
B10-10	10			4oz jar	X			X		X											1	
MW1		3:45	AQ	40mL VOA	X			X		X											6	
B10-15	15		SOIL	Brass tube				X		X											1	
B10-20	20		"	"				X		X											1	

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature) DATE/TIME

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature) 11-28-95 1700 DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

X TEG DISPOSAL @ $2.00 each ( ) Return ( ) Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	28
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	GC
NOTES:	

LABORATORY NOTES:

Hold All Samples

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: GES

ADDRESS: 8799 Balboa Ave Ste 290 San Diego CA 92123

PHONE: 571-5500 FAX: 571-5357

CLIENT PROJECT #: 735116 3.2 PROJECT MANAGER: Barry Fuller

DATE: 11-29-95 PAGE 1 OF 1

TEG PROJECT #: 5112911 / 111301

LOCATION: La Mesa RV

COLLECTOR: Chris Spencer DATE OF COLLECTION: 11/29/95

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Lab Number
B9-5'	5'		Soil	Brass Tube					X			X										
B9-8'	8'		↓	↓					X			X										
B9-10'	10'								X			X								High TPH also analyze for BTEX EPA 8020		
B9-15'	15'								X			X										
B911-16'	16'								X			X										
																				Call BSP re: Additional Analysis from 11/21 - 11/29 Samples		
																				Modified 7		

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
	11/29/95 1345	Jason H. Coats	11/29/95 1346
Jason H. Coats	11/29/95 1416		11/29/95 14:16

SAMPLE DISPOSAL INSTRUCTIONS

☒ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	5
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:
B9A-16' is mostly gravel + crushed gravel please attempt to get soil off of gravel for analysis

LABORATORY REPORTS
GEOTEST

92E1163.2

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

RECEIVED
DEC 18 1995
Environmental Business Solutions, Inc.

LABORATORY REPORT

ENVIRONMENTAL BUSINESS SOLUTIONS, INC.
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

REPORT TO:	BARRY PULVER	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PROJECT NAME:	LA MESA RV		
SITE LOCATION:	7601 ALVARADO ROAD LA MESA, CA		

GEOTEST is pleased to provide you with analytical data for your above referenced project. The sample was collected on 12/04/95 and received intact and cool on 12/06/95. In accordance with the chain of custody, the sample was analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
CCR Metals	2-3

REVIEWED AND APPROVED: [signature]
FOR Dr. Louis Sangermano, Laboratory Director

REPORT DATE: 13DEC95

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3050		
DATE PREPARED:	12/12/95	MATRIX:	SOIL

ANALYSIS OF CCR TITLE 22/26 TTLC METALS

SAMPLE ID:		B9-10	DETECTION LIMIT
UNITS:		mg/Kg	mg/Kg
DATE ANALYZED:		12/12/95	
ELEMENTS	**EPA METHOD #**		
Antimony (Sb)	6010	ND	5.0
Arsenic (As)	6010	ND	5.0
Barium (Ba)	6010	22	10
Beryllium (Be)	6010	ND	0.5
Cadmium (Cd)	6010	ND	0.5
Chromium (Cr)	6010	1.7	0.5
Cobalt (Co)	6010	ND	1.0
Copper (Cu)	6010	26	2.5
Lead (Pb)	6010	26	1.0
Molybdenum (Mo)	6010	ND	2.5
Nickel (Ni)	6010	0.7	0.5
Selenium (Se)	6010	ND	2.5
Silver (Ag)	6010	ND	0.5
Thallium (Tl)	6010	ND	5.0
Vanadium (V)	6010	15	0.5
Zinc (Zn)	6010	57	10

SAMPLE ID:		B9-10	DETECTION LIMIT
UNITS:		mg/Kg	mg/Kg
DATE PREPARED:		12/06/95	
DATE ANALYZED:		12/06/95	
ELEMENT	**EPA METHOD #**		
Mercury (Hg)	7471	ND	0.001

GEOTEST

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3050		
DATE PREPARED:	12/12/95	MATRIX:	SOIL

ANALYSIS OF CCR TITLE 22/26 TTLC METALS

SAMPLE ID:		ICV	LCS	MATRIX SPIKE	MATRIX SPK. DUPLICATE	RPD	METHOD BLANK	DETECTION LIMIT
UNITS:		%	%	%	%	%	mg/Kg	mg/Kg
DATE ANALYZED:		12/12/95	12/12/95	12/12/95	12/12/95		12/12/95	
ELEMENTS	**EPA METHOD #**							
Antimony (Sb)	6010	97	84	84	86	2.4	ND	5.0
Arsenic (As)	6010	99	84	84	87	3.5	ND	5.0
Barium (Ba)	6010	100	90	90	89	1.1	ND	10
Beryllium (Be)	6010	98	82	82	85	3.6	ND	0.5
Cadmium (Cd)	6010	97	82	82	85	3.6	ND	0.5
Chromium (Cr)	6010	96	84	84	87	3.5	ND	0.5
Cobalt (Co)	6010	96	83	83	86	3.6	ND	1.0
Copper (Cu)	6010	97	84	84	87	3.5	ND	2.5
Lead (Pb)	6010	96	82	82	85	3.6	ND	1.0
Molybdenum (Mo)	6010	97	86	86	88	2.3	ND	2.5
Nickel (Ni)	6010	96	82	82	84	2.4	ND	0.5
Selenium (Se)	6010	99	83	83	87	4.7	ND	2.5
Silver (Ag)	6010	102	88	88	91	3.4	ND	0.5
Thallium (Tl)	6010	96	84	84	88	4.7	ND	5.0
Vanadium (V)	6010	97	85	85	88	3.5	ND	0.5
Zinc (Zn)	6010	95	87	87	85	2.3	ND	10
Acceptable Range (%) :		90-110	70-130	70-130	70-130	0-25		

SAMPLE ID:		ICV	LCS	MATRIX SPIKE	MATRIX SPK. DUPLICATE	RPD	METHOD BLANK	DETECTION LIMIT
UNITS:		%	%	%	%	%	mg/Kg	mg/Kg
DATE PREPARED:		12/06/95	12/06/95	12/06/95	12/06/95	12/06/95		
DATE ANALYZED:		12/06/95	12/06/95	12/06/95	12/06/95	12/06/95		
ELEMENT	**EPA METHOD #**							
Mercury (Hg)	7471	98	94	92	92	0	ND	0.001
Acceptable Range (%) :		90-110	70-130	70-130	70-130	0-25		

ICV - Internal Calibration Verification
LCS - Laboratory Control Standard
RPD - Relative Percent Difference

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

961138-03 / 9502A

CHAIN-OF-CUSTODY RECORD

P.O. #: _____

9512010

CLIENT: Environmental Business Solutions
ADDRESS: 8799 Balboa Ave, ste 290, San Diego, CA. 92123
PHONE: (619) 571-5500 FAX: (619) 571-5357
CLIENT PROJECT #: 93E1163.2 PROJECT MANAGER: Barry Pulver

DATE: 12-4-95 PAGE 1 OF 1
TEG PROJECT #: 951129-11 / 950843.02
LOCATION: La Mesa RV
COLLECTOR: Chris Spengler DATE OF COLLECTION: 11-29-95

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	Title 22 metals	FIELD NOTES	Total Number Of Containers	Lab Number
B9-10	10		Soil	brass tube															X			1	

RELINQUISHED BY: (Signature) [signature] DATE/TIME 12-4-95 1300
RECEIVED BY: (Signature) FED-EX DATE/TIME 12/6/95 1000
RELINQUISHED BY: (Signature) FED-EX DATE/TIME 12/6/95 1000
RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS
X DISPOSAL @ $2.00 each [ ] Return [ ] Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS Y/N/NA	Y
SEALS INTACT? Y/N/NA	Y
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

T = 13°C

93E1163.2

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

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Environmental Business Solutions, Inc.

LABORATORY REPORT

ENVIRONMENTAL BUSINESS SOLUTIONS, INC.
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

REPORT TO: BARRY PULVER

GEOTEST PROJECT NO.: 961138-03
CLIENT ID: 93E1163.2

PROJECT NAME: LA MESA RV
SITE LOCATION: 7601 ALVARADO ROAD
LA MESA, CA

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 11/28/95 and received intact and cool on 11/30/95. In accordance with the chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
8010/8020	2-3
MTBE	4-5

REVIEWED AND APPROVED: Louis Sangermano
Dr. Louis Sangermano, Laboratory Director

REPORT DATE: 12/7/95

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

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LABORATORY REPORT

ANALYST :	RG	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	12/05/95	MATRIX:	WATER

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/ELCD/PID
EPA METHOD 8010/8020

SAMPLE ID:	MW1	MW2	MW3	DETECTION LIMIT
UNITS:	µg/L	µg/L	µg/L	µg/L
DATE ANALYZED:	12/05/95	12/05/95	12/05/95	
COMPOUNDS				
Dichlorodifluoromethane	ND	ND	ND	2.0
Chloromethane	ND	ND	ND	2.0
Vinyl chloride	ND	ND	ND	2.0
Bromomethane	ND	ND	ND	2.0
Chloroethane	ND	ND	ND	2.0
Trichlorofluoromethane	ND	ND	ND	2.0
1,1-Dichloroethene	ND	ND	ND	1.0
Methylene chloride	ND	ND	ND	5.0
trans-1,2-Dichloroethene	ND	ND	ND	1.0
1,1-Dichloroethane	ND	ND	ND	1.0
cis-1,2-Dichloroethene	ND	ND	ND	1.0
Chloroform	ND	ND	ND	1.0
1,1,1-Trichloroethane	ND	ND	ND	1.0
Carbon tetrachloride	ND	ND	ND	1.0
1,2-Dichloroethane	ND	ND	ND	1.0
Trichloroethene	ND	ND	ND	1.0
1,2-Dichloropropane	ND	ND	ND	1.0
Bromodichloromethane	ND	ND	ND	1.0
cis-1,3-Dichloropropene	ND	ND	ND	1.0
trans-1,3-Dichloropropene	ND	ND	ND	1.0
1,1,2-Trichloroethane	ND	ND	ND	1.0
Tetrachloroethene	ND	ND	ND	1.0
Dibromochloromethane	ND	ND	ND	1.0
Chlorobenzene	ND	ND	ND	1.0
1,1,1,2-Tetrachloroethane	ND	ND	ND	1.0
Bromoform	ND	ND	ND	1.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	1.0
1,3-Dichlorobenzene	ND	ND	ND	1.0
1,4-Dichlorobenzene	ND	ND	ND	1.0
1,2-Dichlorobenzene	ND	ND	ND	1.0
Benzene	ND	0.4	ND	0.3
Toluene	ND	ND	ND	0.3
Ethylbenzene	ND	ND	ND	0.6
m,p - Xylenes	ND	ND	ND	0.6
o - Xylene	ND	ND	ND	0.6
Surrogate Recovery (%) :	99	124	108	
Acceptable Range (%):	70-130	70-130	70-130	

Surrogate : 1,4-Dichlorobutane

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST:	RG	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	12/05/95	MATRIX:	WATER

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/ELCD/PID
EPA METHOD 8010/8020

SAMPLE ID:	METHOD BLANK	LCS	MATRIX SPIKE	MATRIX SPK. DUPLICATE	RPD	DETECTION LIMIT
UNITS:	µg/L	%	%	%	%	µg/L
DATE ANALYZED:	12/05/95	12/05/95	12/05/95	12/05/95		
COMPOUNDS						
Dichlorodifluoromethane	ND					2.0
Chloromethane	ND					2.0
Vinyl chloride	ND					2.0
Bromomethane	ND					2.0
Chloroethane	ND					2.0
Trichlorofluoromethane	ND					2.0
1,1-Dichloroethene	ND	97	100	80	22	1.0
Methylene chloride	ND					5.0
trans-1,2-Dichloroethene	ND	107	108	91	17	1.0
1,1-Dichloroethane	ND	108	107	91	16	1.0
cis-1,2-Dichloroethene	ND	110	112	95	16	1.0
Chloroform	ND					1.0
1,1,1-Trichloroethane	ND	118	112	97	14	1.0
Carbon tetrachloride	ND					1.0
1,2-Dichloroethane	ND	97	95	85	11	1.0
Trichloroethene	ND					1.0
1,2-Dichloropropane	ND					1.0
Bromodichloromethane	ND					1.0
cis-1,3-Dichloropropene	ND					1.0
trans-1,3-Dichloropropene	ND					1.0
1,1,2-Trichloroethane	ND	104	99	91	8.4	1.0
Tetrachloroethene	ND	115	112	95	16	1.0
Dibromochloromethane	ND					1.0
Chlorobenzene	ND					1.0
1,1,1,2-Tetrachloroethane	ND					1.0
Bromoform	ND					1.0
1,1,2,2-Tetrachloroethane	ND					1.0
1,3-Dichlorobenzene	ND					1.0
1,4-Dichlorobenzene	ND					1.0
1,2-Dichlorobenzene	ND					1.0
Benzene	ND	99	98	101	3.0	0.3
Toluene	ND	98	94	97	3.1	0.3
Ethylbenzene	ND					0.6
m,p - Xylenes	ND	100	99	100	1.0	0.6
o - Xylene	ND	102	91	97	6.4	0.6
Acceptable Range (%) :		80-120	70-130	70-130	0-25	

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	EM	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	12/05/95	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID
MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	SURROGATE RECOVERY
UNITS:		µg/L	%
DETECTION LIMITS:		0.6	
SAMPLE ID	DATE ANALYZED		
METHOD BLANK	12/05/95	ND	100
MW1	12/05/95	ND	101
MW2	12/05/95	0.7	100
MW3	12/05/95	ND	103

Surrogate : a,a,a-Trifluorotoluene **Acceptable Range (%) :** 70-130

GEOTEST

An Environmental Monitoring and Testing Service

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QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST :	EM	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	12/05/95	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID
MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	ACCEPTABLE RANGE
RECOVERY UNITS:		%	%
SAMPLE ID	DATE ANALYZED		
LCS	12/05/95	93	80-120
MATRIX SPIKE	12/05/95	109	70-130
MATRIX SPIKE DUPLICATE	12/05/95	115	70-130
RPD		5.4	0-25

11/24

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

GEOTEST
3960 E. Gilman Street
Long Beach, 90815
Telephone: (310) 498-9515 (800) 624-5744
Fax: (310) 597-0786

95107

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 961138-03/9572A
DATE 11-29-95 PAGE 1 OF 1

PROJECT NAME La Mesa RV
ADDRESS 7601 Alvarado Road, La Mesa, CA
SAMPLER'S SIGNATURE [signature]
PRINTED NAME Christopher S. Spengler
CLIENT PROJECT NO. 93E1163.2
PROJECT MANAGER Barry Pulver

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	HVOCs 8010	MTBE 8020					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
MW1	11-28-95	3:45 pm	MW1					X	X					W	√Voa	6	
MW2	11-28-95	2:45 pm	MW2					X	X					W	√Voa	6	1 Voa broke during delivery
MW3	11-28-95	3:20 pm	MW3					X	X					W	√Voa	6	
																	TEC

	RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
1	SIGNATURE [signature]	11/29/95	4:42 pm	3 SIGNATURE		
	PRINTED NAME CHRIS SPENGLER			PRINTED NAME		
	COMPANY EBS			COMPANY		
2	SIGNATURE FED-EX	11/30/95		4 SIGNATURE		
	PRINTED NAME			PRINTED NAME		
	COMPANY		4:42 PM	COMPANY		
5	RELINQUISHED BY SIGNATURE FED-EX	11/30/95	1000			
6	RECEIVED BY (LAB) SIGNATURE Michele Herring	11/30/95				
	PRINTED NAME Michele Herring					
	COMPANY GEOTEST		1000			

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
MTBE = methyl tertiary-butyl ether

WELL PURGING LOGS

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93611.2	Well No.: MW-1
Site Address: 7601 Alvarado Rd	Date: 11/27/95	By: CS

PURGING DATA

DTW: 7.88	Casing Dia.: 4"	Time purging started: 12:59	Vol. purged: 8 g
DTB: 15.00	Borehole Dia.: 8"	Time purging ended: 1:08	Measured by: bucket
SZ: 7.12	Depth to screen: 5'	Purging method: bailer	DTW_p: 14.76

Borehole volume: BV = SZ x f = 7.12 x 1.5 = 10.68 gallons x 3 = _____ gallons

$DTW_{.8} = DTW_p - [(DTW_p - DTW) \times 0.8] = 14.76 - [(14.76 - 7.88) \times 0.8] = 9.26$

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
1:08	0	14.76		after purging
3:35	207	13.55	NO	sample
				slow recharging

SAMPLING DATA

Sample No.	Date:	Time:
Lab:	COC #:	How delivered:
Vials:	Preservation:	Tests:

Notes:
DTW = Depth to water
DTW = Depth to bottom
DTW_p = DTW after purging
SZ = Saturated volume
$DTW_{.80}$ = DTW at 80% recharge
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: 1.5

WELL NO. MW-1

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93E1163.2	Well No.: MW-2
Site Address: 7601 Alvarado Rd	Date: 11/27/95	By: CS

PURGING DATA

DTW: 9.50	Casing Dia.: 4"	Time purging started: 11:01	Vol. purged: 8.5
DTB: 15.00	Borehole Dia.: 8"	Time purging ended: 11:25	Measured by: bucket
SZ: 6.5	Depth to screen: 5'	Purging method: bailer	DTW_p: 14.95

Borehole volume: BV = SZ x f = 6.5 x 1.5 = 9.75 gallons x 3 = 29.25 gallons

DTW_{80} = DTW_p - [(DTW_p - DTW) x 0.8] = 14.95 - [(14.95 - 8.5) x 0.8] = 9.79

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
11:25	0	14.95		a/te purging
2:25	180	13.87	NO	sample

SAMPLING DATA

Sample No.	Date:	Time:
Lab:	COC #:	How delivered:
Vials:	Preservation:	Tests:

Notes:
DTW = Depth to water
DTW = Depth to bottom
DTW_p = DTW after purging
SZ = Saturated volume
DTW_{80} = DTW at 80% recharge
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: 1.5

WELL NO. MW-2

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93E1163.2	Well No.: MW-3
Site Address: 7601 Alvarado Rd	Date: 11/27/96	By: CS

PURGING DATA

DTW: 4.63	Casing Dia.: 4"	Time purging started: 11.55	Vol. purged: 12g
DTB: 15	Borehole Dia.: 8"	Time purging ended: 12.07	Measured by: bucket
SZ: 10.37	Depth to screen: 5'	Purging method: bailer	DTW_p: 14.62

Borehole volume: BV = SZ x f = 10.37 x 1.5 = 15.6 gallons x 3 = _____ gallons

$DTW_{.8}$ = DTW_p - [(DTW_p - DTW) x 0.8] = 14.62 - [(14.62 - 4.63) x 0.8] = 6.63

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
12:07	0	14.62		after purging
3:05	177	13.01	NO	SAMPLE

SAMPLING DATA

Sample No.	Date:	Time:
Lab:	COC #:	How delivered:
Vials:	Preservation:	Tests:

Notes:
DTW = Depth to water DTW_p = DTW after purging $DTW_{.80}$ = DTW at 80% recharge
DTW = Depth to bottom SZ = Saturated volume
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: 1.5

WELL NO. MW-3

TABLE 4 - YEARLY REPORT FOR UNDERGROUND STORAGE TANK LEAKS
JANUARY 1, 1989

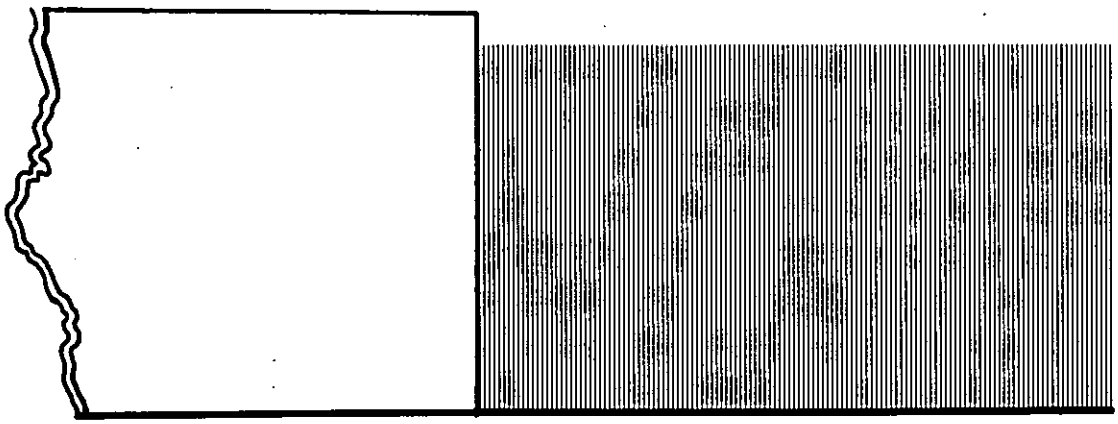
REGION	FACILITY/SITE	ADDRESS	CITY	SUBSTANCE	GALS LOST	DATE REPORTED	DATE OF LAST UPDATE	CASE TYPE	STATUS	REMEDIAL ACTION CODES	LEAD AGENCY
09	ANTHONY T. DITTY	11427 WOODSIDE AVENUE	LAKESIDE	DIESEL		03/22/88	03/22/88	G	I		L
09	OLD PHILIPS 66 SERVICE STATION	11903 WOODSIDE AVENUE	LAKESIDE	REGULR GASOL		08/18/87	08/27/87	S	I	ED	L
09	THRIFTY SERVICE STATION	12109 WOODSIDE AVENUE	LAKESIDE	NOT REPORTED		01/09/87	07/31/87	U	S	NA	L
09	REAL PROPERTY INVESTMENT GROUP	12160 WOODSIDE AVENUE	LAKESIDE	GASOLINE		04/13/88	10/10/88	S	S		L
09	TRANSPORTATION FACILITY	12335 WOODSIDE AVENUE	LAKESIDE	WASTE OIL		02/26/88	02/26/88	U	I		L
09	TEXACO U.S.A	7180 BROADWAY	LEMON GROVE	WASTE OIL		09/08/86	07/23/87	G	S		L
09	MOBIL SERVICE STATION #18-EH2	7204 BROADWAY	LEMON GROVE	UNLEAD GASOL		04/27/87	07/29/87	G	R		L
09	SAN DIEGO GLASS AND PAINT	7555 BROADWAY	LEMON GROVE	KEROSENE		12/11/86	07/30/87	G	I	ETED	L
09	UNOCAL SERVICE STATION	7593 BROADWAY	LEMON GROVE	WASTE OIL		05/05/87	11/02/87	S	I		L
09	ECONO-LUBE	7608 BROADWAY	LEMON GROVE	WASTE OIL		12/02/86	04/13/87	S	I		L
09	ANDY GRANATELLI'S TUNEUP WASTE	8068 BROADWAY	LEMON GROVE	WASTE OIL		12/01/86	10/10/88	U	S		L
09	EQUIPCO	8121 BROADWAY	LEMON GROVE	REGULR GASOL		11/23/86	11/03/87	S	S		L
09	E & S AUTOMOTIVE	8181 BROADWAY	LEMON GROVE	GASOLINE		07/22/86	12/08/86	S	S	ED	L
09	PICKERING AUTO REPAIR	1851 ENGLEWOOD DR.	LEMON GROVE	WASTE OIL		12/26/88	12/29/88	S	N		L
09	MARTIN ROOFING	6608 FEDERAL BOULEVARD	LEMON GROVE	GASOLINE		10/28/88	10/28/88	S	I		L
09	DR. REX PUTERBAUGH	6618 FEDERAL BOULEVARD	LEMON GROVE	DIESEL		08/22/88	08/22/88	S	I		L
09	ARCO SERVICE STATION #418	6901 FEDERAL BOULEVARD	LEMON GROVE	GASOLINE		06/30/86	07/30/87	G	R	FP	L
09	THRIFTY SERVICE STATION #108	2717 IMPERIAL AVENUE	LEMON GROVE	NOT REPORTED		09/09/86	08/04/87	S	S	NA	L
09	CULLIGEN WATER CONDITIONING	3515 OLIVE STREET	LEMON GROVE	UNLEAD GASOL	30	08/12/86	09/21/87	S	R	FP	L
09	SAN DIEGO METRO TRANSIT	1790 SAN ALTOS PLACE	LEMON GROVE	GASOLINE		03/25/87	03/30/87	S	S		L
09	EXXON SERVICE STATION	905 ORPHEUS	LEUCADIA	UNLEAD GASOL	7	04/22/87	07/23/87	S	S		L
09	UNION SERVICE STATION	26282 OSO PARKWAY	MISSION VIEJO	NOT REPORTED		/ /	02/06/87	G	P		L
09	UNOCAL S/S EZ SERVE	1605 EAST 4TH STREET	NATIONAL CITY	UNLEAD GASOL	600	03/10/86	09/21/87	G	R		L
09	S.D. ACADEMY OF 7TH DAY ADV.	2700 EAST 4TH STREET	NATIONAL CITY	GASOLINE		04/16/86	07/10/87	U	S		L
09	THRIFTY SERVICE STATION #109	1734 HIGHLAND	NATIONAL CITY	NOT REPORTED		08/20/86	08/04/87	U	I		L
09	BUSTAMANTE OFFICE	2801 HIGHLAND AVE.	NATIONAL CITY	WASTE OIL		11/28/88	11/28/88	S	N		L
09	BUSTAMANTE OFFICE	2801 HIGHLAND AVE.	NATIONAL CITY	WASTE OIL		11/28/88	11/28/88	S	N		L
09	SAN DIEGO GLASS AND PAINT	1050 HIGHLAND AVENUE	NATIONAL CITY	KEROSENE		12/17/86	03/15/88	U	C		L
09	UNOCAL 76 STATION NO. 3028	1539 HIGHLAND AVENUE	NATIONAL CITY	GASOLINE		03/03/88	03/03/88	S	S		L
09	ABBOTT'S TEXACO	404 HIGHLAND AVENUE	NATIONAL CITY	UNLEAD GASOL		04/01/86	05/13/86	U	I		L
09	FIRESTONE TIRE AND RUBBER	943 HIGHLAND AVENUE	NATIONAL CITY	WASTE OIL		11/03/86	01/27/87	G	S	NA	L
09	PYREDUCT INC.	2020 HOOVER AVENUE	NATIONAL CITY	WASTE OIL		10/06/88	10/06/88	S	I		L
09	PUBLIC WORKS DEPARTMENT	2100 HOOVER AVENUE	NATIONAL CITY	UNLEAD GASOL		01/23/87	09/16/87	G	R		L

Governor George Deukmejian

Governor's Office

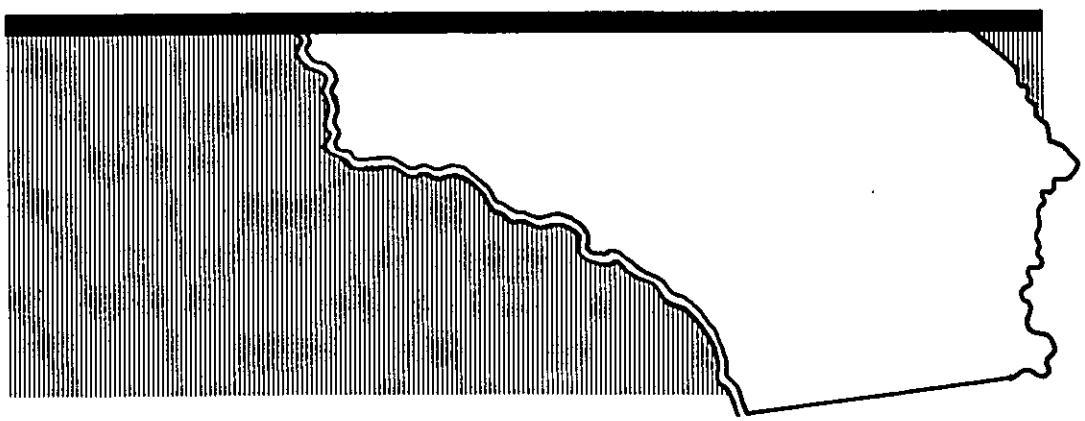
OFFICE OF PLANNING AND RESEARCH

OFFICE OF PERMIT ASSISTANCE



HAZARDOUS WASTE AND SUBSTANCES SITES·LIST

PURSUANT TO GOVERNMENT CODE SEC.2. 65962.5



IMPACT CITY: JULIAN

Site: JULIAN MAINTENANCE STATION #38
Location: 1524 HIGHWAY 78
City: JULIAN Zip: 92036
Source: WRCB Problem: TANK LEAK

Site: JULIAN MAINTENANCE STATION
Location: HWY 78 MILE POST 58.5
City: JULIAN Zip: 92036
Source: WRCB Problem: TANK LEAK

Site: JULIAN FOREST FIRE STATION
Location: 1587 HIGHWAY 78
City: JULIAN Zip: 92036
Source: WRCB Problem: TANK LEAK

IMPACT CITY: LA JOLLA

Site: UCSD-MEDICAL CENTER
Location: 225 DICKINSON STREET
City: LA JOLLA Zip: 92032
Source: WRCB Problem: TANK LEAK

Site: KLAUS RADELOW
Location: 5474 LA JOLLA BOULEVARD
City: LA JOLLA Zip: 92037
Source: WRCB Problem: TANK LEAK

Site: J.W. COLACHIS COMPANY
Location: 411 COAST BOULEVARD SOUT
City: LA JOLLA Zip: 92037
Source: WRCB Problem: TANK LEAK

Site: SHELL SERVICE STATION
Location: 7982 PROSPECT
City: LA JOLLA Zip: 92037
Source: WRCB Problem: TANK LEAK

Site: CHEVRON SERVICE STATION #1415
Location: 5702 LA JOLLA BOULEVARD
City: LA JOLLA Zip: 92037
Source: WRCB Problem: TANK LEAK

Site: FIRE STATION #16
Location: 2110 VIA CASA ALTA
City: LA JOLLA Zip: 92037
Source: WRCB Problem: TANK LEAK

Site: LA JOLLA FIRE HOUSE #13
Location: 7877 HERSCHEL AVENUE
City: LA JOLLA Zip: 92093
Source: WRCB Problem: TANK LEAK

Site: UNIVERSITY OF CA @ SAN DIEGO
Location: UCSD GILMAN DRIVE
City: LA JOLLA Zip: 92093
Source: WRCB Problem: TANK LEAK

IMPACT CITY: * LA MESA

Site: DREW FORD
Location: 8970 LA MESA BLVD
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: EAGLE TIRE
Location: 8203 UNIVERSITY AVE.
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: BOWEN'S SERVICE
Location: 8381 LA MESA BOULEVARD
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: LA MESA REDEVELOPMENT PROJECT
Location: CORNER OF LA MESA & SPRING ST.
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: LA MESA RV CENTER
Location: 7601 ALVARADO ROAD
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: MOBIL SERVICE STATION #18-FKT
Location: 5900 SEVERIN DRIVE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: FORMER HANDYMAN DIST. YARD
Location: 5200 INDUSTRIAL LANE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: LA MESA LUMBER COMPANY
Location: 4891 SPRING STREET
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: LA MESA LUMBER
Location: 8255 UNIVERSITY AVENUE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: THRIFTY S/S #121 (ARCO)
Location: 9600 MURRAY DRIVE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: THRIFTY SERVICE STATION #65
Location: 7594 UNIVERSITY AVENUE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: THRIFTY SERVICE STATION #158
Location: 7974 UNIVERSITY AVENUE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: 7-ELEVEN STORE #
Location: 6990 UNIVERSITY AVENUE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: 7-ELEVEN STORE #2003-13664
Location: 4610 AVOCADO BOULEVARD
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: SHELL SERVICE STATION
Location: 5335 JACKSON DRIVE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: LA MESA JEEP
Location: 8333 HERCULES STREET
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: MONTGOMERY WARD
Location: 5500 GROSSMONT CENTER DR.
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: MOBILE SERVICE STATION #18-FJD
Location: 5450 JACKSON DRIVE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: MCCLELLAN BUICK
Location: 7675 UNIVERSITY AVENUE
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: PUBLIC WORKS YARD
Location: 8152 COMMERCIAL STREET
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: BCR, INCORPORATED
Location: 8181 ALVARADO ROAD
City: LA MESA Zip: 92041
Source: WRCB Problem: TANK LEAK

Site: GROSSMONT UNION HIGH SCHOOL
Location: 1100 MURRAY DRIVE
City: LA MESA Zip: 92044
Source: WRCB Problem: TANK LEAK

IMPACT CITY: LAKESIDE

Site: TRANSPORTATION FACILITY
Location: 12335 WOODSIDE AVENUE
City: LAKESIDE Zip: 92040
Source: WRCB Problem: TANK LEAK

Site: LAKESIDE UNION SCHOOL DISTRICT
Location: 12335 WOODSIDE
City: LAKESIDE Zip: 92040
Source: WRCB Problem: TANK LEAK

Site: OLD PHILIPS 66 SERVICE STATION
Location: 11903 WOODSIDE AVENUE
City: LAKESIDE Zip: 92040
Source: WRCB Problem: TANK LEAK

Site: ROCKY HOME DAIRY
Location: 12027 ROCKY HOME DRIVE
City: LAKESIDE Zip: 92040
Source: WRCB Problem: TANK LEAK

Site: ANTHONY T. DITTY
Location: 11427 WOODSIDE AVENUE
City: LAKESIDE Zip: 92071
Source: WRCB Problem: TANK LEAK

IMPACT CITY: * LEMON GROVE

Site: PICKERING AUTO REPAIR
Location: 1851 ENGLEWOOD DR.
City: LEMON GROVE Zip: 92045
Source: WRCB Problem: TANK LEAK

Site: MARTIN ROOFING
Location: 6608 FEDERAL BOULEVARD
City: LEMON GROVE Zip: 92045
Source: WRCB Problem: TANK LEAK

Site: DR. REX PUTERBAUGH
Location: 6618 FEDERAL BOULEVARD
City: LEMON GROVE Zip: 92045
Source: WRCB Problem: TANK LEAK

Site: ECONO-LUBE
Location: 7608 BROADWAY
City: LEMON GROVE Zip: 92045
Source: WRCB Problem: TANK LEAK

Site: UNOCAL SERVICE STATION
Location: 7593 BROADWAY
City: LEMON GROVE Zip: 92045
Source: WRCB Problem: TANK LEAK

Site: ARCO SERVICE STATION #418
Location: 6901 FEDERAL BOULEVARD
City: LEMON GROVE Zip: 92045
Source: WRCB Problem: TANK LEAK

** Indicates incorporated city*

CODES FOR THE ASPIS LIST

SUPFD - SUPERFUND SITE (STATE)

REF - SITES REFERRED

UNR - UNRESOLVED SITE

SSRH - SITE SCREENING REQUIRED (HIGH)

SSRM - SITE SCREENING REQUIRED (MEDIUM)

SSRL - SITE SCREENING REQUIRED (LOW)

PAH - PRELIMINARY ASSESSMENT REQUIRED (HIGH)

PAM - PRELIMINARY ASSESSMENT REQUIRED (MEDIUM)

PAL - PRELIMINARY ASSESSMENT REQUIRED (LOW)

SIRH - INSPECTION REQUIRED (HIGH)

SIRM - INSPECTION REQUIRED (MEDIUM)

SIRL - INSPECTION REQUIRED (LOW)

RENF - REFERRED TO ENFORCEMENT

PDS - PENDING STATUS

NFA - NO FURTHER ACTION

STATE OF CALIFORNIA - DEPARTMENT OF HEALTH SERVICES / TSCD
ABANDONED SITE PROGRAM INFORMATION SYSTEM
ALL FACILITIES BY ZIP CODE
(INCLUDING NFA SITES)

ZIP CODE	FACILITY	LOCATION	CITY	STATUS CODE	FACILITY NUMBER
92040	ALL GLASS INC.	12424 LAKESHORE DR	LAKESIDE	NFA	37-30-0032
	ANDERSON DRILLING CO. STORAGE LOT	ACROSS STREET FROM 12370 LAKESIDE AVENUE	LAKESIDE	NFA	37-49-0003
	ARIAODO, JOE	10386 PALM ROW	LAKESIDE	NFA	37-07-0016
	BACK COUNTRY TRADER	9822 RIVER RD	LAKESIDE	NFA	37-27-0219
	BB IRON WORKS	9764 LOS COCHES RD	LAKESIDE	NFA	37-34-0065
	BEARER CHEMICAL CO.	9663 RIVERVIEW RD	LAKESIDE	NFA	37-51-0114
	CONNECTICUT QUAIL IND.	12470 WOODSIDE AVE.	LAKESIDE	NFA	37-28-0042
	CONSTRUCTION EXPLOSIVES INC.	10441 VINE ST	LAKESIDE	NFA	37-51-0099
	EL CAPITAN DAM SITE	1/2 MILE WEST OF EL CAPITAN DAM IN OLD Q	LAKESIDE	REF	37-32-0074
	ENNISS STEEL CO. (2)	10806 PALM ROW DR	LAKESIDE	NFA	37-34-0087
	FROSCHAUER WOOD PRODUCTS	8818 WINTER GARDENS BLVD	LAKESIDE	NFA	37-37-0075
	GIST ORNAMENTAL IRON WORKS	12211 WOODSIDE AVE	LAKESIDE	NFA	37-34-0105
	LA FUENTE MFG CO.	10324 CHANNEL RD	LAKESIDE	NFA	37-32-0062
	LAKESIDE WELDING AND MACHINE	12367 LAKESHORE DR	LAKESIDE	NFA	37-34-0122
	LIVESAY MFG CO.	10123 CHANNEL RD	LAKESIDE	NFA	37-37-0099
	MATSUMOTO, SAM	15562 EL MONTE RD.	LAKESIDE	NFA	37-01-0151
	ORBITRON CO.	11487 WOODSIDE AVE	LAKESIDE	NFA	37-73-0141
	PETERSON CONCRETE CO.	9750 WINTER GARDENS BLVD	LAKESIDE	NFA	37-32-0063
	SCANTIBODIES LAB	P.O. BOX 1606	LAKESIDE	REF	37-73-0287
	SIERRA SAND CO.	STATE HWY 67	LAKESIDE	NFA	37-32-0052
	WOODWARD SAND CO.	STATE HWY 67 AT RIVERFORD RD	LAKESIDE	NFA	37-14-0019
TOTAL SITES FOR ZIP 92040 = 21					
92041	AMPAC	8104 CENTER ST.	LA MESA	NFA	37-30-0012
	BALL-HERRICK LABS	5240 WOOD ST	LA MESA	NFA	37-80-0037
	BRODING'S BATTERIES	8188 COMMERCIAL ST	LA MESA	NFA	37-36-0042
	COLUMBIA PEST CONTROL	8176 CENTER DR	LA MESA	NFA	37-73-0188
	DEWHURST, BOB	8103 COMMERCIAL AVE.	LA MESA	NFA	37-24-0029
	ERNIE'S CABINET SHOP	8325 IMPERIAL AVE.	LA MESA	NFA	37-24-0031
	FAIRCHILD PUBLICATIONS	4551 POMONA AVE	LA MESA	NFA	37-27-0223
	FOOTHILLS NURSERY	7447 UNIVERSITY AVE.	LA MESA	NFA	37-01-0061
	JACOBY'S NURSERY	7437 EL CAJON BLVD.	LA MESA	NFA	37-01-0065
	LA FRANCE PRODUCTIONS	8150 COMMERCIAL ST	LA MESA	NFA	37-73-0109
	LA MESA BLUEPRINT SERVICE	8260 LA MESA BLVD	LA MESA	NFA	37-27-0196
	LA MESA NURSERY	8480 LA MESA BLVD	LA MESA	NFA	37-01-0005
	LA MESA PLANING MILL (2)	4784 NEBO DR.	LA MESA	NFA	37-24-0018
	LYONS AND O'HAVER INC.	8180 PARKWAY DR	LA MESA	NFA	37-76-0074
	MASTER FINISHING CO.	8181 CENTER DR.	LA MESA	NFA	37-76-0056
	NATIONAL MACHINE & MFG. CORP.	8163 COMMERCIAL ST	LA MESA	NFA	37-37-0071
	PENNSALT CHEMICALS CORP.	5700 YORKSHIRE	LA MESA	NFA	37-51-0078
	PHYSICS TECHNOLOGY LABS	7841 EL CAJON BLVD	LA MESA	NFA	37-73-0179
	RADOVICH, JOHN & CO.	5141 GUILD	LA MESA	NFA	37-37-0078
	SAN DIEGO MFG. CO.	8100 CENTER ST	LA MESA	NFA	37-34-0069
	SCOTT STEEL	8201 ALVARADO RD	LA MESA	NFA	37-34-0094
TOTAL SITES FOR ZIP 92041 = 21					

K99 $31.60

SITE ASSESSMENT AND MITIGATION

UNAUTHORIZED RELEASE LISTING

PUBLIC USE AUTHORIZED

1/23/90

CODE KEY

LEADAGCY

H	HAZARDOUS MATERIALS MANAGEMENT DIVISION
R	REGIONAL WATER QUALITY CONTROL BOARD
S	STATE DEPARTMENT OF HEALTH SERVICES

CASESTAT

01	LEAK BEING CONFIRMED
03	CASE OPEN - PRELIMINARY ASSESSMENT
05	CASE OPEN - REMEDIAL INVESTIGATION (C & A)
07	CASE OPEN - RAP IMPLEMENTATION (CLEAN UP)
08	CASE OPEN - POST REMEDIAL MONITORING
09	CASE CLOSED

CASETYPE

01	FREE PRODUCT
02	BENEFICIAL USE GROUND WATER/DISSOLVED SUBSTANCE
03	NON-BENEFICIAL USE GROUND WATER/DISSOLVED SUBSTANCE
04	CONTAMINATED SOIL
05	FAILED PRECISION TEST
06	COMPLAINT
07	NON-TANK/PERMITTED SITE
08	NON-TANK/NON-PERMITTED SITE
09	REAL ESTATE ASSESSMENT

PLEASE DIRECT INQUIRIES ABOUT PURCHASING A COPY OF THIS LIST TO THE HMMD SUPERVISING CLERK (M. Ruckle) AT (619) 338-2222.

SAM.PUB.URL.CODE 1/24/90 mcr

ZIP CODE: 92040

12160 WOODSIDE AV , LAKESIDE , CA 92040- *H20546-001
H & L CO Release Date: 3/30/88 (T00971)
Lead: H (3/25/88) Case Status: 09 (6/17/88) Case Type: 04

12335 WOODSIDE AV , LAKESIDE , CA 92040-3015 *H03112-001
LAKESIDE UNION SCHOOL DIST Release Date: 7/07/87 (T00693)
Lead: H (7/07/87) Case Status: 09 (8/05/87) Case Type: 05

12335 WOODSIDE AV , LAKESIDE , CA 92040-3015 *H03112-002
LAKESIDE UNION SCHOOL DIST Release Date: 1/06/88 (T00885)
Lead: H (3/09/89) Case Status: 03 (3/07/89) Case Type: 04

12109 WOODSIDE BLVD , LAKESIDE , CA 92040- *H05359-001
THRIFTY (ARCO) #423 Release Date: 1/09/87 (T00489)
Lead: H (1/09/87) Case Status: 09 (6/25/87) Case Type: 05

ZIP CODE: 92041

5151 70TH ST , LA MESA , CA 92041-3335 *H13427-001
EXXON Release Date: 12/02/85 (T00028)
Lead: H (12/02/85) Case Status: 09 (11/20/87) Case Type: 04

8034 ALLISON AV , LA MESA , CA 92041-5001 *H03818-001
LA MESA CITY-FIRE DEPARTMENT Release Date: 6/20/86 (T00156)
Lead: H (6/20/86) Case Status: 09 (4/23/87) Case Type: 04

7601 ALVARADO RD , LA MESA , CA 92041-3611 *H02651-001
LA MESA R V CENTER INC Release Date: 11/24/86 (T00427)
Lead: H (11/24/86) Case Status: 03 (1/23/89) Case Type: 04

8500 ALVARADO RD , LA MESA , CA 92041- *H24707-001
MESA DISTRIBUTING Release Date: 8/14/87 (T00744)
Lead: H (8/14/87) Case Status: 09 (12/04/87) Case Type: 04

7651 ALVARADO ROAD , LA MESA , CA 92041- *H12687-001
CHEVRON Release Date: 10/02/87 (T00772)
Lead: H (10/02/87) Case Status: 09 (9/06/88) Case Type: 05

4610 AVOCADO BL , LA MESA , CA 92041- *H20548-001
SOUTHLAND Release Date: 1/30/86 (T00050)
Lead: H (1/30/86) Case Status: 03 (1/18/89) Case Type: 02

4654 AVOCADO BL , LA MESA , CA 92041-7134 *H12767-001
HELIX TEXACO SERVICE Release Date: 8/08/86 (T00218)
Lead: H (8/08/86) Case Status: 09 (1/23/87) Case Type: 05

STATUS CODES FOR UNDERGROUND TANK LISTING

N	No action taken (ie. new case or backlog)
I	Site investigation in progress
R	Remedial action alternative evaluation in progress
C	Remedial action (cleanup) in progress
P	Post remedial action monitoring in progress
F	No funds available, no responsible party, or responsible party has insufficient funds and no public funds available
S	Signed off, remedial action completed or deemed unnecessary

LA - Lead Agency

CT - Case Type

S - status code

SUB - chemical codes

CAO - Clean-up and abatement

STF - Staff

GWD - depth to groundwater

AM - remedial action codes

UNDERGROUND TANK FACILITIES

OWNER	SITE NAME	STREET NO.	STREET	CITY	LA	CT	SUB	S	CAO #	STF	GWD	A.M.
	JIFFY GAS	890	S. PACIFIC COAST HWY	LAGUNA BEACH	L		8006619					
SOUTHLAND CORPORATION	7 ELEVEN		SOUTH COAST HIGHWAY	LAGUNA BEACH	R	S		I			UNKN	
CHEVRON U.S.A. INC.	STATION #1787 (DAN'S GAS)	590	SOUTH COAST HIGHWAY	LAGUNA BEACH	R	G	12031	C	86 00021		13FT	FPED
GENERAL TELEPHONE	GENERAL TELEPHONE	480	SOUTH MERMAID	LAGUNA BEACH	L	G	12034	I			14	
OLSON, ROBERT E.	DAVID J. PHILLIPS BUICK	24888	ALICIA PARKWAY	LAGUNA HILLS	L	S	12035	S		JPA	18 7	ED
DUNN EDWARDS CORPORATION	DUNN EDWARDS PAINTS	23002	MOULTON PARKWAY	LAGUNA HILLS	L	S	49	S			UNKN	
PROFESSIONAL COMMUNITY MGT INC	LEISURE WORLD MAINTENANCE YARD	24401	MOULTON PARKWAY	LAGUNA HILLS	L	S	12034	S		JBM	UNKN	
FLUOROCARBONS COMPANY	FLUOROCARBONS COMPANY	27931	CABOT ROAD	LAGUNA NIGUEL	L	S	12034	S			UNKN	
	BOUKATHER & ASSOC.	27762	CAMINO CAPISTRANO	LAGUNA NIGUEL	L		12035					
MR. DON R. BLAIR	BLAIR S MOBIL SERVICE STATION	25991	CROWN VALLEY PARKWAY	LAGUNA NIGUEL	R	G	8006619	C	87 00096		20	ETFP GT
	ACTION MOVING	27637	FORBES ROAD	LAGUNA NIGUEL	L		8006619					
	PENNY SAVER	27742	FORBES ROAD	LAGUNA NIGUEL	L		12031				16	
ALLEN OLDSMOBILE CADILLAC INC.	ALLEN OLDSMOBILE-CADILLAC INC.	29951	MORONGO PLACE	LAGUNA NIGUEL	L	G	8006619	R			13	
U. S. POSTAL SERVICE	LAGUNA NIGUEL FACILITY	29911	NIGUEL ROAD	LAGUNA NIGUEL	L	U	12031	I			UNKN	
REGIS HOMES CORPORATION	SITE 15	SITE 15	PLANNING AREA I	LAGUNA NIGUEL	L	S	12031	S		JPA	UNKN	ED
TEXACO U.S.A.	TEXACO SERVICE STATION	28922	ST OF GOLDEN LANTERN	LAGUNA NIGUEL	R	G	12035	C	88 00031	SGH	15 5	EDFP
	MR. LAWRENCE GATES	13684	HIGHWAY 8 BUSINESS	LAKESIDE	L							
SMALL BUSINESS ADMINISTRATION	SMALL BUSINESS ADMINISTRATION	13685	OLD HIGHWAY 80	LAKESIDE	L	G	8006619	S			UNKN	
ROCKY HOME DAIRY	ROCKY HOME DAIRY	12027	ROCKY HOME DRIVE	LAKESIDE	L	S	8006619	N			UNKN	
	LAKESIDE UNION SCHOOL DISTRICT	12335	WOODSIDE	LAKESIDE	L						UNKN	
	ANTHONY T. DITTY	11427	WOODSIDE AVENUE	LAKESIDE	L		12034					
JD 35 PARTNERSHIP	OLD PHILIPS 66 SERVICE STATION	11903	WOODSIDE AVENUE	LAKESIDE	L	S	12032	I			UNKN	ED
THRIFTY OIL COMPANY	THRIFTY SERVICE STATION	12109	WOODSIDE AVENUE	LAKESIDE	L	U		S			UNKW	NA
	REAL PROPERTY INVESTMENT GROUP	12160	WOODSIDE AVENUE	LAKESIDE	L		8006619				50	
	[redacted]RAN[redacted]ATI[redacted] FACILITY	[redacted]5	[redacted]SIDE[redacted]NUE	[redacted]SID[redacted]			[redacted]35	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

HAZARDOUS MATERIALS
COMBINED HE10 AND HE58 LISTING--ZIP CODE ORDER

ZIP	SIR-NAME	SIR-NO	EST-NAME	EST-NO	BUS CODE	INACT	STAT	INSP3	REINSP
92040	ASHWOOD ST	10410	EL CAPITAN HIGH SCHOOL	H04534	K07		3	890202	9002
92040	BRETT HARTE DR	13507	STEAMLINER OF EL-CAJON	11386			7		
92040	CASTLE CT	12645	AARONS CARPET & UPHOLSTERY	11159			7		
92040	CHANNAL RD	9929	JAMES A CLOYD DDS INC	H50298	K10			891227	9212
92040	CHANNEL RD	10125	A M ORTEGA CONST	H23180	K20				
92040	CHANNEL RD	10125	JEFF HURLEY	H29552	K03				
92040	CHANNEL RD	10149	JIMCO RACING PRODUCTS	13727			8		
92040	CHANNEL RD	10168	DAVE MARTIN SUPPLIES	H14543	K07		96	890920	9009
92040	CHANNEL RD	10208	DLC & C INC	H28880	K04			900416	9104
92040	CHANNEL RD	10215	GRAPE SALES INC	H19763	K04			890727	9007
92040	CHANNEL RD	10303	ANDERSON DRILLING & MFG	H06639	K07		96	890315	9003
92040	CHANNEL RD	10322	NELSON & SLOAN #13	H19476	K07			900313	9103
92040	CHANNEL RD	10324	LA FUENTE MFG CO INC	06491			7		
92040	EL MONTE RD	14950	VAN OMMERING DAIRY	H99445	K02			890906	9009
92040	EL MONTE RD	15063	GILBOA ESTATES	H04434	K03	1			8810
92040	EL MONTE RD	15209	L J RUSSOS PAINT AND BODY	H27091	K04	1	91	880615	8906
92040	EL MONTE RD	15385	K G HEISE CO	06025			N		
92040	EL MONTE RD	16820	EL CAPITAN DAM	H20528	K06			890804	9008
92040	EL NOPAL	11329	HILLIKER POULTRY	H99181	K02				
92040	EMERALD GROVE AV	9113	MARQUETTE TRUCKING	H12153	K03		01	890629	9006
92040	GARDENA WY	8929	SWEETWOOD MACHINE	H28889	K04			891214	9012
92040	HARRITT ROAD	9395	SERVICEMASTER	11367			6		
92040	HIGGINS TERRACE	12233	HIGGINS HOUSE	29028			J		
92040	HIGHWAY 67	10880	MOBILE AUTO AIR	13792			5		
92040	HWY 67	12160	E COUNTY DIESEL FUEL INJECTION	27087			4		
92040	HWY 67	12300	HANK'S FLEET REPAIR	27096			E		
92040	HY 67	10830	A & T SAW & LAWNMOWER SHOP	H30047	K01			890627	9006
92040	HY 67	10875	WESTERN FOUNDATION & SHORING	H19585	K04		03	900426	9104
92040	HY 67	10880	JACKS CARPET & UPHOLS CLEANING	11297			7		
92040	HY 67	11811	SPARKLETTS DRINKING WATER CORP	H02513	K03	1		890412	9004
92040	HY 67	12060	CAL-MAT LAKESIDE	H02472	K07		30	890524	9009
92040	HY 67	12300	BBB PORTABLE SERVICES	H23057	K04			900322	9006
92040	HY 67	12485	M J BAXTER DRILLING CO.	H02242	K07		3	900402	9104
92040	HY 67	12494	T T T CONCRETE INC	H05954	K07		3	900314	9103
92040	HY 67	12512	BIGGS EQUIPMENT SALES	H01693	K04		01	890315	9003
92040	HY 67	12535	NELSON & SLOAN #12	H28721	K04			900313	9103
92040	HY 67	12560	ASPHALT INC	H02233	K07		96	900402	9104
92040	HY 67	12562	NORTH COUNTY GUNITE CO LTD	06551			4		
92040	HY 67	12650	JACK'S AUTO DISMANTLING	H29879	K04			900319	9004
92040	HY 67	12650	DELUX MANUFACTURING	H11767	K04		01	890828	9008
92040	HY 67	12650	QUALITY AUTO/AL'S AUTO	H14990	K01		01	890828	9008
92040	HY 8 BUSINESS	13684	LAWRENCE GATES	H26512	T75		71		
92040	IDYL DR	13221	MINING & INDUSTRIAL CHEMICALS	10843			7		
92040	INDUSTRY RD	12117	SUPERIOR READY MIX CONCRETE LP	H02802	K04		96	890912	9009
92040	INDUSTRY RD	12120	MISSION CASTING CO	06055			6		
92040	INDUSTRY RD	12210	BRIGHTS 24HR FUEL STOP	H20530	K03		30	900504	9105
92040	JULIAN AV	13133	PATRICK COMER & SCHILLING	H20525	K03			890206	8905
92040	JULIAN AV	13674	L L A PRATT ENTERPRISES	27092			E		

HAZARDOUS MATERIALS
COMBINED HE10 AND HE58 LISTING--ZIP CODE ORDER

ZIP	STR-NAME	STR-NO	EST-NAME	EST-NO	BUS CODE	INACT	STAT	INSP3	REINSP
92040	JULIAN AV #12	12433	THE GLASS DOCTOR	27101			7		
92040	LAKE JENNINGS PARK R	10205	7-ELEVEN FOOD STORE #22481	H20531	K03		30	900515	9105
92040	LAKE JENNINGS PARK R	9550	HELIX WATER DISTRICT	H19504	K04		03	900516	9105
92040	LAKE JENNINGS PK RD	9380	J P MARINE	09734			7		
92040	LAKE SAN VICENTE		KRUSE CONCESSIONS	H05903	K01	1			
92040	LAKE SHORE DR	12372	RENZULLI METAL PRODUCTS	08472			N		
92040	LAKESHORE DR	12307	WEST COAST SMOG & DETAIL	H27104	K01		91	900306	9104
92040	LAKESHORE DR	12350	SAYATOVICH JOSEPH	04465			4		
92040	LAKESHORE DR	12424	SMILEY INDUSTRIES	H09656	K04		03	900309	9103
92040	LAKESHORE DR	12806	TAMPLIN TRUCKING	30995			H		
92040	LAKESHORE DRIVE	12517	LAKESIDE MEDICAL CLINIC	H50771	K10				
92040	LAKESIDE AV	11915	LAKESIDE FARMS SCHOOL	H21393	K03			900501	9105
92040	LAKEVIEW RD	9580	PACIFIC BELL LKSDCA12/D1197	H20532	K06			891211	9012
92040	LINDEN RD	8205	MIKES COMPLETE AUTO RPR	30725			8		
92040	LOS COCHES RD	8625	7-ELEVEN FOOD STORE #13662	H20533	K03		30	900403	9104
92040	LOS COCHES RD	9719	R C B OFF ROAD CENTER	27099			E		
92040	LOS COCHES RD	9727	RAKOWSKI INSURANCE	H21462	K03			900226	9102
92040	LOS COCHES RD	9764	LAKESIDE RADIATOR	H12915	K04		01	900418	9104
92040	LOS COCHES RD	9782	LAKESIDE TOOL SERVICE	08345			N		
92040	LOS PANCHITOS RD	10025	HOME OF GUIDING HANDS	H23230	K04			900522	9105
92040	LOS RANCHITOS	10025	HOME OF GUIDING HANDS	29030			J		
92040	MAIN AV	10031	BATTENS BRITISH CAR SERVICE	27084			7		
92040	MAIN ST	9806	LAKESIDE AUTO BODY	19054			4		
92040	MAIN ST	9927	BETTER BUY AUTO SUPPLY	27085			E		
92040	MAINE	10109	FOREIGN CA RPR	30459					
92040	MAINE AV	10030	WEBBS RV SUPPLY	H27102	K04		91	890825	9008
92040	MAINE AV	10039	GEORGE NEUMANN AUTOMOTIVE	H27097	K01			900510	9105
92040	MAINE AV	10042	HORIZON OUTBOARD REPAIR	H19979	K01			890825	9009
92040	MAINE AV	10046	J P MARINE	30593			H		
92040	MAINE AV	10046	JP MARINE	H28009	K01			890825	9008
92040	MAINE AV	10101	SUNLIGHT PRESS	07741			N		
92040	MAINE AV	9769	LOGAN PRINTING COMPANY	07609			N		
92040	MAINE AV	9774	MY FUEL	H03806	T75				
92040	MAINE AV	9806	LAKESHORE AUTO BODY & PAINT	H19134	K01	1	01	881102	8911
92040	MAINE AV	9909	BACK COUNTRY TRADER	06985			7		
92040	MAINE AVENUE	10116	SERVICE ALIGNMENT & BRAKE CO	13858			4		
92040	MAINE AVENUE	9927	BETTER BUY AUTO SUPPLIES	H07406	K01		G	891115	9011
92040	MAINE ST	10021	TMP TRUCK & AUTO REPAIR	H05258	K01	1			
92040	MAINE ST	9775	CIRCLE K #2983	H20535	K03		30	890403	9004
92040	MAPLEVIEW ST	12331	GILLESPIE RENTAL EQUIPMENT	H20536	K07			900409	9104
92040	MAPLEVIEW ST	12342	A & R ROOFING	H06571	K06			890920	9009
92040	MAPLEVIEW ST	12536	UNOCAL SS# 6928	H06473	K03		30	900504	9105
92040	MAPLEVIEW ST	12550	RLF, INC.	H30882	K04			900416	9104
92040	MARJAY	13358	CLARK STEPPLER	30269			4		
92040	MORENA AV	11127	LAKESIDE GROUP HOME	29035			J		
92040	MORENO AV	11024	SCHEIDEL CONST CO	19597			C		
92040	MORENO AV	11138	LAKESIDE POULTRY RANCH INC	H03911	K07		96	900306	9103
92040	MORENO AV	11624	LOGANS CORNICE BOXES	06703			7		

HAZARDOUS MATERIALS
COMBINED HE10 AND HE58 LISTING--ZIP CODE ORDER

ZIP	STR-NAME	STR-NO		EST-NAME	EST-NO	BUS CODE	INACT	STAT	INSP3	REINSP
92040	MORNING DOVE DR	11121		TPS LIMITED	19173			4		
92040	MUTH VALLEY RD	12104		CALIFORNIA SCENE INC	H29211	T75	1			
92040	OAK CREEK DRIVE	10567		STORYS MACHINE PRODUCTS	09144			6		
92040	P O BOX 1631			R J RENTAL AND AUTOMOTIVE	27100			E		
92040	P O BOX 306			SPENCER	27141			4		
92040	PALM ROW DR	10712		WESTERN DRILLING COMPANY	06653			N		
92040	PINEHURST DRIVE	11338		JACK BROOK COMPANY	06723			6		
92040	PINO CT	13102		KEVIN CROUDER AUTO	30643			H		
92040	RIVER STREET	10046		COUNTY TRIM & SUPPLY	06689			8		
92040	RIVERFORD RD	10169		WOODWARD SAND PIT	H29975	K75				
92040	RIVERFORD RD	10195		7-ELEVEN 26651	H20538	K03		30	900413	9104
92040	RIVERFORD RD	9891		WOODWARD SAND CO	H06670	K04		96	900423	9104
92040	RIVERSIDE DR	11610		7-ELEVEN FOOD STORE #13666	H20539	K03		30	890410	9004
92040	RIVERSIDE DR	11905		WILLOWBROOK COUNTRY CLUB	H28485	K07			891019	9010
92040	RIVERVIEW AV	9726		LAKESIDE FIRE DEPT	H26536	K03	1			
92040	ROCKY HOME DR	12027	ROCKY	ROCKY HOME DAIRY INC	H20537	T75		71		8809
92040	SADDLE RIDGE RD	13245		CERTIFIED FIBERGLASS	10804			7		
92040	SAN VINCENTE	12171		TERRYS CLEAN-UP SVC	31003			H		
92040	SANTA MARIA AV	11315		SUN BAR FARMS	04079			7		
92040	SANTA MARIA AV	11355		FETTY GENE ROOFING CO	04376			7		
92040	SHORT ST	12030		MANNING STRIPING & SEALING CO	H00045	K03		61	890825	9008
92040	SINGLEOAK DRIVE STE	9100		LINCOLN AND ASSOCIATES	11654			6		
92040	SLAUGHTERHOUSE CY RD				H26620	K03				
92040	SUNNY LN	13528		BAXTER ENERGY RESEARCH	09564			7		
92040	TRIPLE LANE	11934		VOCATIONAL & CAREER ASSESSMENT	07286			9		
92040	VALLE VISTA RD	11675		GEORGE W COWAN FARMS	H20590	K03	1			8810
92040	VANGUARD WY	13268		J & R RACING ENT	30583			H		
92040	VINE ST	10127		PORTA FENCE	08640			N		
92040	VINE ST	10441		HAM BROS CONSTRUCTION, INC.	H03383	K07			900312	9103
92040	VINE ST	9816		E&J CUSTOM AUTO WORKS	H28474	K01	1		880516	8905
92040	VINE ST	9818		ACTIVE AUTO CLINIC	H19208	K04		01	900222	9102
92040	VINE ST #C	9816		WEST COAST AUTO BODY	H27103	K01			900130	9101
92040	VINE STREET	10127		WALTER NICHOLSON	13068			5		
92040	WALNUT RD	11826		BUTLER ENTERPRISES	H12399	K01		01	900329	9003
92040	WILDCAT CANYON RD	11815		KELLYS ROOFING SERVICE	04488					
92040	WILLOW RD	12320		CIRCLE K #2981	H20541	K03		30	890412	9004
92040	WILLOW RD	12726		JOHN H GREENE	H20542	K03	1			8807
92040	WILLOW RD	12822		OAKLEY HONEY FARMS	H20543	K07	1		890206	9002
92040	WILLOW RD	13115		LAKESIDE RD STATION	H20544	K06			891009	9010
92040	WILLOW RD	13502		R AND D SERVICES	H27143	K01	1		880516	8905
92040	WILLOW RD	13664		CPC MECHANICAL	H30214	K04			890811	9008
92040	WILLOW RD	13843		RUST AND SONS TRUCKING	H29613	K01			890829	9008
92040	WILLOW RD	14296		KENDALL SLOAN CO	H10148	K02			890921	9009
92040	WINTER GARDENS	9447		JOHN KRAMER DDS	H50754	K10			900511	9305
92040	WINTER GARDENS BL	8461		CLASSIC SCREEN PRINT	07321			G		
92040	WINTER GARDENS BL	8522		MAXWELL AUTOMOTIVE	H27094	K01			890712	9007
92040	WINTER GARDENS BL	8767		E-Z EARLS AUTOMOTIVE REPAIR	H12600	K01		01	900418	9104
92040	WINTER GARDENS BL	8828		VICKY'S QUICKIES	H19635	K04	1	03	871104	8811

HAZARDOUS MATERIALS
COMBINED HE10 AND HE58 LISTING--ZIP CODE ORDER

ZIP	STR-NAME	STR-NO	EST-NAME	EST-NO	BUS CODE	INACT	STAT	INSP3	REINSP
92040	WINTER GARDENS BL	8909	CIRCLE K #2958	H20545	K03		30	900418	9104
92040	WINTER GARDENS BL	9534	ROCKY HOME CLEANERS	H28771	K04			890718	9007
92040	WINTER GARDENS BL	9666	KLINE VOLKSWAGON REPAIR	H27090	K04			890712	9007
92040	WINTER GARDENS BL	9668	GOODYEAR TIRE CENTER	27089			E		
92040	WINTER GARDENS BLVD	8334	RICHARD L RUSSELL DDS INC	H50375	K10			900118	9101
92040	WINTER GARDENS BLVD	8834	CAJON TONE MUFFLER SHOP	13623			5		
92040	WINTER GARDENS BLVD	9668	TIRE TECH INC	H12893	K07			890622	9006
92040	WINTERGARDEN BL	8109	BAILEYS REFRIGERATION	30145			H		
92040	WINTERGARDEN BL	9606	ARCO #5512	H26488	K03			900222	9102
92040	WINTERGARDENS BL	8218	NUNES AUTO BODY	H04117	K04		01	891114	9011
92040	WINTERGARDENS BL	8455	ED HALE AUTO	H12605	K01		01	890921	9009
92040	WOODSIDE	11903	TER	31002			H		
92040	WOODSIDE	11986	BURROWS CONCRETE	30207			H		
92040	WOODSIDE AV	11719	FOOTHILLS MACHINE & AUTO PARTS	04159					
92040	WOODSIDE AV	11903	ACTION CYLINDER HEADS	H11391	K01		71	900123	9101
92040	WOODSIDE AV	11935	LAKESIDE EQUIPMENT	H19538	K04		01	900223	9102
92040	WOODSIDE AV	11937	SDS BAR & RESTAURANT FIXTURES	H28724	K04			900110	9101
92040	WOODSIDE AV	11962	FRIENDSHIP MANOR/LAKESIDE	H14305	K01		01	890104	9001
92040	WOODSIDE AV	11967	SQUARE DEAL TERMITE CO	28358			7		
92040	WOODSIDE AV	11967	SD COUNTY PEST CONTROL	28359			7		
92040	WOODSIDE AV	11978	ADONA GRINDING	08943			N		
92040	WOODSIDE AV	11982	SAN DIEGO SUPERCHARGERS	H29765	K01			900122	9101
92040	WOODSIDE AV	12024	CUDDEBACK TRAILER AND EQUIP	H27086	K04		91	890718	9007
92040	WOODSIDE AV	12038	SUNSET AUTOMOTIVE	H29897	K20			900207	9008
92040	WOODSIDE AV	12038	GORDY'S AUTO BODY	H13203	K01		01	890831	8912
92040	WOODSIDE AV	12087	SHELL OIL	H19562	K05		90	890712	9007
92040	WOODSIDE AV	12106	TRU-OCTANE/APOLLO #3	H03147	K03			890720	9007
92040	WOODSIDE AV	12114	LAKESIDE AUTO REPAIR	H12914	K01	1	01	870915	8809
92040	WOODSIDE AV	12116	D'S AUTO TRANSMISSION	H13593	K04	1			
92040	WOODSIDE AV	12127	BYRON GISH	H22738	K03				
92040	WOODSIDE AV	12139	LAKESIDE TRAILER	27093			4		
92040	WOODSIDE AV	12160	H & L CO	H20546	T75	1	71		8801
92040	WOODSIDE AV	12214	LAKESIDE FOREIGN	H04115	K01	1			
92040	WOODSIDE AV	12239	MIKES AUTO BODY & PAINT	06354			7		
92040	WOODSIDE AV	12328	MISTER TRANSMISSION	H13406	K04		01	900123	9101
92040	WOODSIDE AV	12330	4 X 4 CONVERSION SHOP	H13425	K04	1			
92040	WOODSIDE AV	12330	AAA AUTO ENTER	27082			E		
92040	WOODSIDE AV	12335	LAKESIDE UNION SCHOOL DIST	H03112	K07		61	900501	9105
92040	WOODSIDE AV	12342	ACTION CYLINDER HEADS	H19025	K01	1	01	870915	8809
92040	WOODSIDE AV	12401	CALIF PIT STOP UNOCAL 76	H05856	K03		96	900223	9102
92040	WOODSIDE AV	12402	LAKESIDE CHEVERON	H05711	K07		96	891114	9011
92040	WOODSIDE AV	12403	HALF HOUR PERMA CLEAN	H11016	K01		01	880418	8902
92040	WOODSIDE AV STE B	11937	EAST COUNTY GLASS CO	27088			7		
92040	WOODSIDE AVE	11721	NATIONAL EQUIPMENT RENTAL	04518			N		
92040	WOODSIDE AVE	12038	CONSOLIDATED DIESEL SERVICE	H29643	K01			891017	9004
92040	WOODSIDE AVE	12149	WOODSIDE ANIMAL HOSPITAL	H50864	K10			900511	9105
92040	WOODSIDE AVENUE	11721	CONSOLIDATED SERVICES	10493			8		
92040	WOODSIDE AVENUE	11903	THROPS AUTO PARTS	13391					

HAZARDOUS MATERIALS
COMBINED HE10 AND HE58 LISTING--ZIP CODE ORDER

ZIP	STR-NAME	STR-NO	EST-NAME	EST-NO	BUS CODE	INACT	STAT	INSP3	REINSP
92040	WOODSIDE AVENUE	11966	LAKESIDE AUTOMOTIVE AND U-HAUL	12912					
92040	WOODSIDE AVENUE	12239	COOLING SYSTEM STORE	H13643	K04	1		890125	9001
92040	WOODSIDE AVENUE	12461	LAKESIDE MUFFLER & WELDING	13749			4		
92040	WOODSIDE BLVD	12109	THRIFTY GAS #423	H05359	K03		71	900515	9105
92040	11	P O BOX	ALS SALVAGE & AUTO WRECKING	10676					
92040	44	P O BOX	RONNIE W DAVIDSON	12541					
92040									END OF ZIP CODE

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H29551 UNDERGROUND TANK # 001 DIESEL
CAPACITY: 3,000 GALS TANK WALLS: FIBERGLASS
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK TEST NOT APPLICABLE
REGULATORY STATUS DATE: 12/07/89 TEST STATUS DATE: / /

MONITORING ALTERNATIVE:
SEC. 2632,TITLE 23,CAC TANK AND PIPING:SECONDARY CONTAINMENT LEAK DETECTION

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H29552	JEFF HURLEY	10125 CHANNEL RD	LAKESIDE	CA 92040	K03
	US MARSHALLS SERVICES	10125 CHANNEL RD	LAKESIDE	CA 92040	08-31
		- 16900 97	0		

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H29552 UNDERGROUND TANK # 001 DIESEL
CAPACITY: 6,500 GALS TANK WALLS: CARBON STEEL
REG ST:CLOSED BY REMOVAL TEST STATUS: NOT ENTERED OR MATCHED
REGULATORY STATUS DATE: 09/22/89 TEST STATUS DATE: / /

MONITORING ALTERNATIVE:
NO MONITORING PLAN

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H29553	ECONO LUBE N TUNE	868 SAN MARCOS BL	SAN MARCOS BL	CA 92069	K03
	DAVID & HELEN WARD	868 SAN MARCOS BL	SAN MARCOS BL	CA 92069	09-30
		- 20004 18	0		

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H29553 UNDERGROUND TANK # 001 WASTE OIL
CAPACITY: 500 GALS TANK WALLS: CARBON STEEL
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK TEST NOT APPLICABLE
REGULATORY STATUS DATE: 02/20/90 TEST STATUS DATE: / /

MONITORING ALTERNATIVE:
SEC. 2632,TITLE 23,CAC TANK AND PIPING:SECONDARY CONTAINMENT LEAK DETECTION

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
H50298	JAMES A CLOYD DDS INC JAMES A CLOYD DDS	9929 CHANNAL RD 9929 CHANNAL RD 561-4430	LAKESIDE LAKESIDE 0	CA 92040 CA 92040	K10 11-30

H50298 VIOLATION 12/27/89 CONTAINERS STORING BIOHAZARDOUS WASTE ARE NOT PROPERLY LABELED AS REQUIRED SDCC 68.1201D,E, & CCR 66840H
WASTE: INFECTIOUS WASTE, SHARPS COMPLIANCE DATE: 01/90 OCCURRENCES: 1

H50298 WASTE 12/27/89 INFECTIOUS WASTE, SHARPS
PRESENT AT INSPECTION: 20 LBS AVG ANNUAL QTY: 140 LBS
COMMENT: STORAGE: PLASTIC DRUMS 0-5 GALLONS
TREATMENT/DISPOSAL: AUTOCLAVE
HAULER: BINGHAM,W.D.

H50299	J RICHARD CODINGTON DDS INC J RICHARD CODINGTON DDS INC	9728 CARMEL MTN RD B 9728 CARMEL MTN RD B 484-2560 17017 20	SAN DIEGO SAN DIEGO 0	CA 92129 CA 92129	K10 11-30
H50300	RONALD A AANERUD DDS RONALD A AANERUD DDS	16766 BERNARDO CENTER DR 100A 16766 BERNARDO CENTER DR 100A 485-6781 01-30-85 17014 20	SAN DIEGO SAN DIEGO 0	CA 92128 CA 92128	K10 11-30
H50301	FAMILY MEDICAL CENTER JUAN J VIGURI CARIOS RIOS MD	2937 BEYER BLVD 2937 BEYER BLVD 423-0343	SAN DIEGO SAN DIEGO 0	CA 92154 CA 92154	K10 11-30

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
H20528	VIOLATION 08/04/89 HAZARDOUS MATERIALS HANDLER DOES NOT HAVE A BUSINESS PLAN. HSC 25503.5				
		WASTE: GENERAL VIOLATION	COMPLIANCE DATE; 09/89	OCCURRENCES:	1
H20528	VIOLATION 08/04/89 UNDERGROUND STORAGE TANK PRECISION TEST REPORT DATA HAS NOT BEEN SUBMITTED TO THE HAZARDOUS MATERIALS MANAGEMENT DIVISION. CCR 2643				
		WASTE: GENERAL VIOLATION	COMPLIANCE DATE; 09/89	OCCURRENCES:	1
H20528	INVENTORY GASOLINE-UNLEADED				
		QTY AT 1 TIME: 500 GALS	STORAGE: ABVGR TNK,STEEL 10-1000 G		
		HAZARD CAT.#1: FIRE HAZARD	HAZARD CAT.#2:		
H20528	INVENTORY WELDING UNIT (OXYGEN 281CF, ACETYLENE 200CF)				
		QTY AT 1 TIME: 481 GALS	STORAGE: ABVGR TNK,STEEL 10-1000 G		
		HAZARD CAT.#1: FIRE HAZARD	HAZARD CAT.#2: SUDDN RLSE OF PRES		
H20530	BRIGHTS 24HR FUEL STOP	12210 INDUSTRY RD	LAKESIDE	CA 92040	K03
	DON AND MARGARET BRIGHT	P O BOX 1697	LAKESIDE	CA 92040	06-30
		443-2893	0	30	5541
H20530	UNDERGROUND TANK # 001 UNLEADED				
		CAPACITY: 10,000 GALS	TANK WALLS: CARBON STEEL		
		REG ST:INTERIM PERMIT TO OPERATE	TEST STATUS: TANK TEST NOT APPLICABLE		
		REGULATORY STATUS DATE: 02/11/88	TEST STATUS DATE: 02/11/88		
	MONITORING ALTERNATIVE:				
	SEC. 2632,TITLE 23,CAC	TANK AND PIPING:SECONDARY	CONTAINMENT LEAK DETECTION		

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H20530 UNDERGROUND TANK # 002 UNLEADED
CAPACITY: 10,000 GALS TANK WALLS: CARBON STEEL
REG ST: INTERIM PERMIT TO OPERATE TEST STATUS: TANK TEST NOT APPLICABLE
REGULATORY STATUS DATE: 02/11/88 TEST STATUS DATE: 02/11/88

MONITORING ALTERNATIVE:
SEC. 2632, TITLE 23, CAC TANK AND PIPING: SECONDARY CONTAINMENT LEAK DETECTION

H20530 UNDERGROUND TANK # 003 REGULAR LEADED
CAPACITY: 10,000 GALS TANK WALLS: CARBON STEEL
REG ST: INTERIM PERMIT TO OPERATE TEST STATUS: TANK TEST NOT APPLICABLE
REGULATORY STATUS DATE: 02/11/88 TEST STATUS DATE: 02/11/88

MONITORING ALTERNATIVE:
SEC. 2632, TITLE 23, CAC TANK AND PIPING: SECONDARY CONTAINMENT LEAK DETECTION

H20530 UNDERGROUND TANK # 004 DIESEL
CAPACITY: 10,000 GALS TANK WALLS: CARBON STEEL
REG ST: INTERIM PERMIT TO OPERATE TEST STATUS: TANK TEST NOT APPLICABLE
REGULATORY STATUS DATE: 02/11/88 TEST STATUS DATE: 02/11/88

MONITORING ALTERNATIVE:
SEC. 2632, TITLE 23, CAC TANK AND PIPING: SECONDARY CONTAINMENT LEAK DETECTION

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H20531	7-ELEVEN FOOD STORE #22481	10205 LAKE JENNINGS PARK R	LAKESIDE	CA 92040	K03
	THE SOUTHLAND CORP	7839 UNIVERSITY AV	LA MESA	CA 92041	06-30
		465-2101 16804 97	0	30	5541

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H20531 UNDERGROUND TANK # 001 UNLEADED
CAPACITY: 9,728 GALS TANK WALLS: FIBERGLASS
REG ST: PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 01/26/88 TEST STATUS DATE: 06/05/89

MONITORING ALTERNATIVE:
SEC. 2641(C)(5), TITLE 23, CAC TANK TESTING, INVENTORY RECONCILIATION, PIPELINE LEAK DETECTION

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
H02795	INVENTORY	FREON QTY AT 1 TIME: 55 GALS HAZARD CAT.#1: CORROSIVE	STORAGE: METAL DRUMS,55 GALLONS HAZARD CAT.#2:		
H02802	SUPERIOR READY MIX CONCRETE LP JACK BROUWER JACOB BROUWER	12117 INDUSTRY RD 1508 W MISSION RD 443-7411 - -77 16804 97	LAKESIDE ESCONDIDO 12	CA 92040-1735 CA 92025 96	K04 10-31 3273

H02802 UNDERGROUND TANK # 001 WASTE OIL
CAPACITY: 550 GALS
REG ST:CLOSED BY REMOVAL
REGULATORY STATUS DATE: 08/11/86
TANK WALLS: UNKNOWN
TEST STATUS: TANK TEST NOT APPLICABLE
TEST STATUS DATE: 08/11/86

H02802 UNDERGROUND TANK CONTENTS: C01
CHEM NAME:

H02802 REMARKS 07/01/86 PREVENT DISEL FUEL FROM CONTAMINATING GROUND AT

H02802 REMARKS 07/01/86 YOUR FUEL TANK

H02802 VIOLATION 07/01/86 GENERATOR OF HAZARDOUS WASTE HAS NOT MADE COPIES OF WASTE HAULER
RECEIPTS AVAILABLE FOR REVIEW CCR 66328 (A)(7)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 08/86 OCCURRENCES: 2

H02802 WASTE 07/01/86 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 100 GALS AVG ANNUAL QTY: 3600 GALS
COMMENT: STORAGE: UNDGR TNK,STL,U/L 10-1000 G
TREATMENT/DISPOSAL: RECYCLE
HAULER: NELCO OIL REFINING CORP

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H02802 WASTE 07/01/86 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 15 GALS AVG ANNUAL QTY: 180 GALS
COMMENT: SAFETY KLEEN UNIT STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H02802 VIOLATION 03/29/88 GENERATOR OF HAZARDOUS WASTE HAS NOT OBTAINED AN EPA IDENTIFICATION NUMBER CCR 66472 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 04/88 OCCURRENCES: 1

H02802 VIOLATION 03/29/88 HAZARDOUS WASTE STORAGE CONTAINER IS NOT KEPT CLOSED DURING STORAGE, EXCEPT AS NECESSARY TO ADD OR REMOVE WASTE CCR 67243 (A)
WASTE: WASTE OIL & MIXED OIL COMPLIANCE DATE: 04/88 OCCURRENCES: 1

H02802 VIOLATION 03/29/88 HAZARDOUS WASTE STORAGE CONTAINER IS NOT CLEARLY MARKED OR PROPERLY LABELED. CCR 66508 (A)(3)
WASTE: WASTE OIL & MIXED OIL COMPLIANCE DATE: 04/88 OCCURRENCES: 1

H02802 WASTE 03/29/88 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 20 GALS AVG ANNUAL QTY: 600 GALS
COMMENT: STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

H02802 WASTE 03/29/88 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 8 GALS AVG ANNUAL QTY: 96 GALS
COMMENT: SAFETY KLEEN UNIT STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H02802 REMARKS 09/12/89 SUBMIT A BUSINESS PLAN TO THIS OFFICE WITHIN THIRTY (30) DAYS OF THE INSPECTION DATE INDICATED ABOVE.

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H02802 REMARKS 09/12/89 ALL WASTE OIL CONTAINERS MUST BE LABELED AS HAZARDOUS WASTE.

H02802 REMARKS 09/12/89 KEEP ALL CONTAINERS STORING HAZARDOUS WASTE CLOSED UNLESS ACTUALLY ADDING TO OR REMOVING WASTES FROM THE CONTAINER.

H02802 REMARKS 09/12/89 ELIMINATE SPILLAGE OR DISCHARGES TO THE GROUND OF HAZARDOUS MATERIALS AND/OR WASTES.

H02802 VIOLATION 09/12/89 HAZARDOUS WASTE STORAGE CONTAINER IS NOT KEPT CLOSED DURING STORAGE, EXCEPT AS NECESSARY TO ADD OR REMOVE WASTE CCR 67243 (A)
WASTE: WASTE OIL & MIXED OIL COMPLIANCE DATE; 10/89 OCCURRENCES: 2

H02802 VIOLATION 09/12/89 HAZARDOUS WASTE STORAGE CONTAINER IS NOT CLEARLY MARKED OR PROPERLY LABELED. CCR 66508 (A)(3)
WASTE: WASTE OIL & MIXED OIL COMPLIANCE DATE; 10/89 OCCURRENCES: 2

H02802 VIOLATION 09/12/89 DISPOSAL OR CAUSING THE DISPOSAL OF HAZARDOUS WASTE TO AN UNAUTHORIZED POINT CHS 25189.5(B)
WASTE: WASTE OIL & MIXED OIL COMPLIANCE DATE; 10/89 OCCURRENCES: 1

H02802 VIOLATION 09/12/89 HAZARDOUS MATERIALS HANDLER DOES NOT HAVE A BUSINESS PLAN. HSC 25503.5
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 10/89 OCCURRENCES: 1

H02802 WASTE 09/12/89 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 20 GALS AVG ANNUAL QTY: 600 GALS
COMMENT: STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H02802 WASTE 09/12/89 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 8 GALS AVG ANNUAL QTY: 96 GALS
COMMENT: SAFETY KLEEN UNIT STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H02802 WASTE 09/12/89 UNSPECIFIED ACID SOL'N - R
PRESENT AT INSPECTION: 0 GALS AVG ANNUAL QTY: 55 GALS
COMMENT: ACID WASH FROM TRUCKS STORAGE: NONE
TREATMENT/DISPOSAL: CODE IS BLANK
HAULER: UNKNOWN HAZ WST HAULER

H02802 INVENTORY HYDRAULIC OIL
QTY AT 1 TIME: 280 GALS STORAGE: ABVGR TNK,STEEL 10-1000 G

H02802 INVENTORY MIXED WEIGHTS OF MOTOR OIL
QTY AT 1 TIME: 220 GALS STORAGE: METAL DRUMS,55 GALLONS

H02802 INVENTORY MIXED WEIGHTS OF MOTOR OIL
QTY AT 1 TIME: 500 GALS STORAGE: ABVGR TNK,STEEL 10-1000 G

H02802 INVENTORY WELDING UNIT (OXYGEN 275CF, ACETYLENE 125CF)
QTY AT 1 TIME: 400 GALS STORAGE: ABVGR TNK,STEEL 10-1000 G
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2: SUDDN RLSE OF PRES

H02802 INVENTORY DIESEL GASOLINE
QTY AT 1 TIME: 3000 GALS STORAGE: ABVGR TNK,STEEL 1001-5000 G
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:

H02802 INVENTORY CON-CLEAN 21.A (ACID WASH)
QTY AT 1 TIME: 55 GALS STORAGE: PLASTIC DRUMS 6-110 GALLONS

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H27103 VIOLATION 01/30/90 GENERATOR HAS NOT RETAINED A COPY OF EACH MANIFEST FOR 3 YEARS FROM THE DATE OF TRANSPORT CCR 66492 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 02/90 OCCURRENCES: 1

H27103 VIOLATION 01/30/90 GENERATOR OF HAZARDOUS WASTE HAS NOT OBTAINED AN EPA IDENTIFICATION NUMBER CCR 66472 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 02/90 OCCURRENCES: 2

H27103 VIOLATION 01/30/90 DISPOSAL OR CAUSING THE DISPOSAL OF HAZARDOUS WASTE TO AN UNAUTHORIZED POINT CHS 25189.5(B)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 02/90 OCCURRENCES: 1

H27103 VIOLATION 01/30/90 HAZARDOUS MATERIALS HANDLER DOES NOT HAVE A BUSINESS PLAN. HSC 25503.5
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 02/90 OCCURRENCES: 1

H27103 WASTE 01/30/90 PAINT SLUDGE
PRESENT AT INSPECTION: 1 GALS AVG ANNUAL QTY: 10 GALS
COMMENT: STORAGE: METAL DRUMS 0-5 GALLONS
TREATMENT/DISPOSAL: UNKNOWN
HAULER: NO HAULER

H27103 INVENTORY ACRYLIC THINNER (KEYSTONE COMBO)
QTY AT 1 TIME: 15 GALS STORAGE: METAL DRUMS,55 GALLONS
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:

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H27104	WEST COAST SMOG & DETAIL	12307 LAKESHORE DR	LAKESIDE	CA 92040	K01
	MICHEAL FRISZELL-ETA	12307 E LAKESHORE DR	LAKESIDE	CA 92040	03-31
		561-7991 12- 1-85 16804 97	5	91	

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ESTAB NUMBER | ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME | ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP | ESTAB-CITY / MAIL-CITY / UNITS | ST EST-ZIP / ST MAIL-ZIP / STATUS | BUS-CD / EX-DTE / SIC CDS

H27104 REMARKS 06/03/88 RETURN BUSINESS PLAN BY JULY 3 1988

H27104 VIOLATION 06/03/88 HAZARDOUS WASTE STORAGE CONTAINER IS NOT CLEARLY MARKED OR PROPERLY LABELED. CCR 66508 (A)(3)
WASTE: WASTE OIL & MIXED OIL COMPLIANCE DATE: 07/88 OCCURRENCES: 1

H27104 VIOLATION 06/03/88 A CONTINGENCY PLAN HAS NOT BEEN PROVIDED WHICH MINIMIZES HAZARDS TO HUMAN HEALTH OR THE ENVIRONMENT DUE TO WASTE RELEASE CCR 67140 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 07/88 OCCURRENCES: 1

H27104 WASTE 06/03/88 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 25 GALS AVG ANNUAL QTY: 805 GALS
COMMENT: STORAGE: PLASTIC DRUMS 6-110 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

H27104 WASTE 06/03/88 HALOGENATED SOLVENTS
PRESENT AT INSPECTION: 5 GALS AVG ANNUAL QTY: 1 GALS
COMMENT: CARB DIP STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: UNKNOWN
HAULER: NO HAULER

H27104 REMARKS 07/27/89 WASTE OIL CONTAINERS MUST BE CLEARLY MARKED AS HAZARDOUS WASTE.

H27104 REMARKS 07/27/89 INCLUDE GENERATOR NAME AND ACCUMULATION START DATE.

H27104 VIOLATION 07/27/89 HAZARDOUS WASTE STORAGE CONTAINER IS NOT CLEARLY MARKED OR PROPERLY LABELED. CCR 66508 (A)(3)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 08/89 OCCURRENCES: 2

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
H27104 WASTE	07/27/89	WASTE OIL & MIXED OIL PRESENT AT INSPECTION: 25 GALS AVG ANNUAL QTY: 805 GALS COMMENT: STORAGE: PLASTIC DRUMS 6-110 GALLONS TREATMENT/DISPOSAL: RECYCLE HAULER: AZTEC OIL			
H27104 WASTE	07/27/89	HALOGENATED SOLVENTS PRESENT AT INSPECTION: 5 GALS AVG ANNUAL QTY: 1 GALS COMMENT: CARB DIP STORAGE: PROCESSING EQUIPMENT TREATMENT/DISPOSAL: UNKNOWN HAULER: NO HAULER			
H27104 INVENTORY		WASTE AUTOMOTIVE OIL QTY AT 1 TIME: 165 GALS STORAGE: PLASTIC DRUMS,55 GALLONS HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:			
H27104 INVENTORY		ZEPEXO PRODUCT NO 0442 QTY AT 1 TIME: 55 TONS STORAGE: METAL DRUMS,55 GALLONS HAZARD CAT.#1: IMMED HEALTH HAZRD HAZARD CAT.#2: FIRE HAZARD			
H27104 INVENTORY		CARBUETOR CLEANER QTY AT 1 TIME: 5 GALS STORAGE: METAL DRUMS 0-5 GALLONS HAZARD CAT.#1: IMMED HEALTH HAZRD HAZARD CAT.#2:			
H27112	HELIX AUTOHAUS AL MONJAZEB	4616 AVOCADO BL 4616 AVOCADO BL 442-8888 05-12-88 13602 97	LA MESA LA MESA 2	CA 92041 CA 92041 91	K04 06-30
H27112 REMARKS	10/27/88	CONTACT THE STATE DEPT. OF HEALTH SERVICES AT (916) 324-1781 TO OBTAIN AN EPA IDENTIFICATION NUMBER.			

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H03146 REMARKS 06/27/89 SAMPLES PROVING NO HISTORICAL RELEASE/CONTAMINATION HAS OCCURRED

H03146 REMARKS 06/27/89 TO THE GROUND OR GROUNDWATERS.

H03146 REMARKS 06/27/89 IF YOU CHOOSE TO PUT TANK BACK INTO OPERATION THEN A MONITORING

H03146 REMARKS 06/27/89 ALTERNATIVE MUST BE CHOSEN AND IMPLEMENTED AND A COPY OF A

H03146 REMARKS 06/27/89 FACILITY EMERGENCY RESPONSE PLAN MUST BE SUBMITTED TO THIS OFFICE.

H03146 REMARKS 06/27/89 WITHIN 30 DAYS SUBMIT IN WRITING, THE CHOICE FOR UST DISPOSITION/

H03146 REMARKS 06/27/89 AND APPROPRIATE PAPERWORK, TO THIS OFFICE.

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H03147	TRU-OCTANE/APOLLO #3	12106 WOODSIDE AV	LAKESIDE	CA 92040	K03
	ED MUNTON	6220 FAIRMOUNT AV	SAN DIEGO	CA 92120	06-30
		561-1665 16702 97	0		5541

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H03147 UNDERGROUND TANK # 001 REGULAR LEADED
CAPACITY: 12,000 GALS TANK WALLS: UNKNOWN
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 02/26/89

MONITORING ALTERNATIVE:
SEC. 2641(C)(5),TITLE 23,CAC TANK TESTING,INVENTORY RECONCILIATION,PIPELINE LEAK DETECTION

ESTAB NUMBER | ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME | ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP | ESTAB-CITY / MAIL-CITY / UNITS | ST EST-ZIP / ST MAIL-ZIP / STATUS | BUS-CD / EX-DTE / SIC CDS

H03147 UNDERGROUND TANK CONTENTS: C01 CHEM NAME:

H03147 UNDERGROUND TANK # 002 UNLEADED
CAPACITY: 12,000 GALS TANK WALLS: CARBON STEEL
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 02/26/89

MONITORING ALTERNATIVE:
SEC. 2641(C)(5),TITLE 23,CAC TANK TESTING,INVENTORY RECONCILIATION,PIPELINE LEAK DETECTION

H03147 UNDERGROUND TANK CONTENTS: C01 CHEM NAME:

H03147 UNDERGROUND TANK # 003 PREMIUM LEADED
CAPACITY: 12,000 GALS TANK WALLS: CARBON STEEL
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 02/26/89

MONITORING ALTERNATIVE:
SEC. 2641(C)(5),TITLE 23,CAC TANK TESTING,INVENTORY RECONCILIATION,PIPELINE LEAK DETECTION

H03147 UNDERGROUND TANK CONTENTS: C01 CHEM NAME:

H03147 VIOLATION 12/08/88 HAZARDOUS MATERIALS HANDLER DOES NOT HAVE A BUSINESS PLAN.
HSC 25503.5
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 01/89 OCCURRENCES: 1

H03147 VIOLATION 12/08/88 UNDERGROUND STORAGE TANK MONITORING RECORDS ARE NOT MAINTAINED ON SITE.
HSC 25293;CCR 2712(C)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 12/88 OCCURRENCES: 1

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H03147 VIOLATION 12/08/88 UNDERGROUND STORAGE TANK PRECISION TEST REPORT DATA HAS NOT BEEN SUBMITTED TO THE HAZARDOUS MATERIALS MANAGEMENT DIVISION. CCR 2643
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 01/89 OCCURRENCES: 1

H03147 REMARKS 02/27/89 A COPY OF PRECISION TEST RESULTS FOR 3 UNDERGROUND STORAGE TANKS-

H03147 REMARKS 02/27/89 12K GALLON CAPACITY HAS NOT BEEN SUBMITTED TO HAZARDOUS MATERIALS

H03147 REMARKS 02/27/89 DIVISION. TEST RESULTS MUST BE SUBMITTED WITHIN 30 DAYS.

H03147 REMARKS 02/27/89 SUBMIT A BUSINESS PLAN TO THIS OFFICE WITHIN THIRTY (30) DAYS OF THE INSPECTION DATE INDICATED ABOVE.

H03147 REMARKS 02/27/89 SUBMIT UPDATED PERMIT APPLICATION (CHANGE OF OPERATOR) WITHIN 30

H03147 REMARKS 02/27/89 DAYS. RECEIVED TODAY.

H03147 VIOLATION 02/27/89 HAZARDOUS MATERIALS HANDLER DOES NOT HAVE A BUSINESS PLAN. HSC 25503.5
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 03/89 OCCURRENCES: 1

H03147 VIOLATION 02/27/89 UNDERGROUND STORAGE TANK PRECISION TEST REPORT DATA HAS NOT BEEN SUBMITTED TO THE HAZARDOUS MATERIALS MANAGEMENT DIVISION. CCR 2643
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 03/89 OCCURRENCES: 1

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
H22738	BYRON GISH	12127 WOODSIDE AV	LAKESIDE	CA 92040	K03
	BYRON GISH	11616 LAKESIDE AV	LAKESIDE	CA 92040	03-31
		561-0947 16702 97	0		
H22739	PHIL & DANIELS PROPERTIES	3774-3780 05TH AV	SAN DIEGO	CA 92103	K03
	PHIL FALAPPINO & DANIEL MINERV	580 MAIN ST	BRAWLEY	CA 92227	04-31
		344-6560 00300 20	0		
H23006	RALPHS GROCERY CO #19	11875 CARMEL MOUNTAIN RD	SAN DIEGO	CA 92128	K02
	RALPHS GROCERY CO	11875 CARMEL MOUNTAIN RD	SAN DIEGO	CA 92128	04-31
		- 08323 20	0		

H23006 INVENTORY	FREON 22 FLUOROCARBON METHANE CHLORODIFLURO	
	QTY AT 1 TIME: 2300 LBS	STORAGE: PROCESSING EQUIPMENT
	HAZARD CAT.#1: SUDDN RLSE OF PRES	HAZARD CAT.#2: IMMED HEALTH HAZRD
H23006 INVENTORY	ALCOHOL BEVERAGES 400 VARIETIES PREPACKAGEDETHYL ALCOHOL	
	QTY AT 1 TIME: 50 GALS	STORAGE: PROCESSING EQUIPMENT
	HAZARD CAT.#1: FIRE HAZARD	HAZARD CAT.#2:
H23006 INVENTORY	TOBACCO PRODUCTS 200 VARIETIES PREPACKAGED	
	QTY AT 1 TIME: 50 LBS	STORAGE: FIBER/PLSTIC BOXES,CRTNS,CASES

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
H03111	WASTE 01/26/89	DEGREASING SLUDGE PRESENT AT INSPECTION: 10 LBS AVG ANNUAL QTY: 50 LBS COMMENT: SUMP SLUDGE STORAGE: PROCESSING EQUIPMENT TREATMENT/DISPOSAL: UNKNOWN HAULER: UNKNOWN HAZ WST HAULER			
H03111	INVENTORY	ETYLENE GLYCOL QTY AT 1 TIME: 110 GALS STORAGE: METAL DRUMS,55 GALLONS HAZARD CAT.#1: IMMED HEALTH HAZRD HAZARD CAT.#2:			
H03111	INVENTORY	ZEP BUS SOAP QTY AT 1 TIME: 55 GALS STORAGE: METAL DRUMS,55 GALLONS HAZARD CAT.#1: CORROSIVE HAZARD CAT.#2:			
H03111	INVENTORY	MOTOR OIL QTY AT 1 TIME: 110 GALS STORAGE: ABVGR TNK,STEEL 10-1000 G HAZARD CAT.#1: IMMED HEALTH HAZRD HAZARD CAT.#2:			
H03111	INVENTORY	ACETYLENE QTY AT 1 TIME: 300 GALS STORAGE: CYLINDERS HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:			
H03111	INVENTORY	OXYGEN QTY AT 1 TIME: 330 GALS STORAGE: CYLINDERS HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:			
H03112	LAKESIDE UNION SCHOOL DIST	12335 WOODSIDE AV P O BOX 578 443-1041 16804 97	LAKESIDE LAKESIDE 10	CA 92040-3015 CA 92040-0578 61	K07 08-31 8211

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H03112 UNDERGROUND TANK # 001 PREMIUM LEADED
CAPACITY: 1,000 GALS TANK WALLS: NOT ENTERED OR MATCHED
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 12/01/87 TEST STATUS DATE: 07/25/88

MONITORING ALTERNATIVE:
SEC. 2641(C)(8),TITLE 23,CAC TANK TESTING,INVENTORY RECON- CILIATION OR TANK GAUGING, RETROFIT OR CLOSE IN 3 YEARS

H03112 VIOLATION 08/26/86 HAZARDOUS WASTE STORAGE CONTAINER IS NOT CLEARLY MARKED OR PROPERLY LABELED. CCR 66508 (A)(3)
WASTE: WASTE OIL & MIXED OIL COMPLIANCE DATE; 09/86 OCCURRENCES: 1

H03112 VIOLATION 08/26/86 HAZARDOUS WASTE STORAGE CONTAINER IS NOT CLEARLY MARKED WITH THE DATE UPON WHICH EACH PERIOD OF ACCUMULATION BEGINS CCR 66508 (A)(2)
WASTE: WASTE OIL & MIXED OIL COMPLIANCE DATE; 09/86 OCCURRENCES: 1

H03112 WASTE 08/26/86 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 300 LBS AVG ANNUAL QTY: 500 LBS
COMMENT: COMINGLED WITH SOLVENT STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

H03112 WASTE 08/26/86 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 20 LBS AVG ANNUAL QTY: 2 LBS
COMMENT: SOLVENT TANK SLUDGE STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: NO HAULER

H03112 WASTE 08/26/86 DEGREASING SLUDGE
PRESENT AT INSPECTION: 100 LBS AVG ANNUAL QTY: 400 LBS
COMMENT: SUMP SLUDGE STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: LANDFILL
HAULER: INVALID CODE

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H03112 REMARKS 09/15/87 SUBMIT EMERGENCY CONTINGENCY PLANTO PHYLLIS CHALMERS BY 9-30-87

H03112 VIOLATION 09/15/87 A CONTINGENCY PLAN HAS NOT BEEN PROVIDED WHICH MINIMIZES HAZARDS TO HUMAN HEALTH OR THE ENVIRONMENT DUE TO WASTE RELEASE CCR 67140 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 10/87 OCCURRENCES: 1

H03112 VIOLATION 09/15/87 PERSONNEL TRAINING PROGRAM IS NOT PROVIDED TO ENSURE THAT PERSONNEL ARE ABLE TO RESPOND EFFECTIVELY TO EMERGENCIES CCR 67105 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 01/88 OCCURRENCES: 1

H03112 VIOLATION 09/15/87 GENERATOR OF HAZARDOUS WASTE HAS NOT MADE COPIES OF WASTE HAULER RECEIPTS AVAILABLE FOR REVIEW CCR 66328 (A)(7)
WASTE: WASTE OIL & MIXED OIL COMPLIANCE DATE; 12/87 OCCURRENCES: 1

H03112 VIOLATION 09/15/87 GENERATOR HAS NOT RETAINED A COPY OF EACH MANIFEST FOR 3 YEARS FROM THE DATE OF TRANSPORT CCR 66492 (A)
WASTE: DEGREASING SLUDGE COMPLIANCE DATE; 12/87 OCCURRENCES: 2

H03112 WASTE 09/15/87 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 15 LBS AVG ANNUAL QTY: 500 LBS
COMMENT: COMINGLED WITH SOLVENT STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

H03112 WASTE 09/15/87 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 6 LBS AVG ANNUAL QTY: 10 LBS
COMMENT: SOLVENT TANK SLUDGE STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: NO HAULER

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H03112 WASTE 09/15/87 HALOGENATED SOLVENTS
PRESENT AT INSPECTION: 400 LBS AVG ANNUAL QTY: 400 LBS
COMMENT: SUMP SLUDGE STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: LANDFILL
HAULER: INVALID CODE

H03112 REMARKS 03/23/89 DO NOT STEAM CLEAN OVER BLIND SUMP UNTIL YOU RECEIVE NOTIFICATION

H03112 REMARKS 03/23/89 APPROVAL FROM SITE ASSESSMENT.

H03112 REMARKS 03/23/89 MAINTAIN SAFETY KLEEN AND AZTEC HAULER RECEIPTS ON-SITE AVAILABLE

H03112 REMARKS 03/23/89 FOR REVIEW.

H03112 REMARKS 03/23/89 PROVIDE DOCUMENTATION TO OUR OFFICE (MIKE VERNETTI) REGARDING THE

H03112 REMARKS 03/23/89 TEMPORARY CLOSURE OF YOUR UNDERGROUND STORAGE TANK.

H03112 REMARKS 03/23/89 SUBMIT A BUSINESS PLAN TO THIS OFFICE WITHIN THIRTY (30) DAYS OF
THE INSPECTION DATE INDICATED ABOVE.

H03112 REMARKS 03/23/89 MAINTAIN TRAINING RECORDS ON-SITE AVAILABLE FOR REVIEW.

H03112 VIOLATION 03/23/89 GENERATOR OF HAZARDOUS WASTE HAS NOT MADE COPIES OF WASTE HAULER
RECEIPTS AVAILABLE FOR REVIEW CCR 66328 (A)(7)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 04/89 OCCURRENCES: 2

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H03112 VIOLATION 03/23/89 UNDERGROUND STORAGE TANK PRECISION TEST REPORT DATA HAS NOT BEEN SUBMITTED TO THE HAZARDOUS MATERIALS MANAGEMENT DIVISION. CCR 2643
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 04/89 OCCURRENCES: 1

H03112 WASTE 03/23/89 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 100 LBS AVG ANNUAL QTY: 400 LBS
COMMENT: COMINGLED WITH SOLVENT STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

H03112 WASTE 03/23/89 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 16 LBS AVG ANNUAL QTY: 10 LBS
COMMENT: SOLVENT TANK SLUDGE STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: NO HAULER

H03112 WASTE 03/23/89 DEGREASING SLUDGE
PRESENT AT INSPECTION: 20 GALS AVG ANNUAL QTY: 400 GALS
COMMENT: BLIND SUMP SLUDGE STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: LANDFILL
HAULER: PACIFIC TREATMENT CORP

H03112 INVENTORY PROPANE
QTY AT 1 TIME: 1150 GALS STORAGE: ABVGR TNK,STEEL 1001-5000 G
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:

H03112 INVENTORY MOTOR OIL KENDALL030 WEIGHT KENDALL
QTY AT 1 TIME: 55 GALS STORAGE: METAL DRUMS,55 GALLONS
HAZARD CAT.#1: IMMED HEALTH HAZRD HAZARD CAT.#2:

H03112 INVENTORY NAPHA SOLVENT - NATIONAL PETROLEUM 140
QTY AT 1 TIME: 55 GALS STORAGE: METAL DRUMS,55 GALLONS
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2: IMMED HEALTH HAZRD

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DIE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H13403 REMARKS 11/28/89 RECOMMEND GETTING EPA NUMBER FOR FUTURE WASTE HAULING.

H13403 REMARKS 11/28/89 CLOSE ALL BARRELS COMPLETELY WHEN NOT IN USE.

H13403 WASTE 11/28/89 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 70 GALS AVG ANNUAL QTY: 400 GALS
COMMENT: WASTE OIL STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

H13403 WASTE 11/28/89 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 10 GALS AVG ANNUAL QTY: 60 GALS
COMMENT: PARTS CLEANER STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H13403 INVENTORY ENGINE LUBRICATING FLUIDS
QTY AT 1 TIME: 55 GALS STORAGE: METAL DRUMS,55 GALLONS
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:

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H13406	MISTER TRANSMISSION	12328 WOODSIDE AV	LAKESIDE	CA 92040-3016	K04
	RAY ENOUEN	12328 WOODSIDE AV	LAKESIDE	CA 92040-3016	07-31
		561-0930 16804 97 2	01		7539

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H13406 WASTE 05/08/87 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 1 GALS AVG ANNUAL QTY: 720 GALS
COMMENT: STORAGE: ABVGR TNK,STEEL 10-1000 G
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H13406 WASTE 05/08/87 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 20 GALS AVG ANNUAL QTY: 80 GALS
COMMENT: SAFETY KLEEN TANK STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H13406 WASTE 05/08/87 HALOGENATED SOLVENTS
PRESENT AT INSPECTION: 5 GALS AVG ANNUAL QTY: 1 GALS
COMMENT: CARB DIP STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H13406 REMARKS 07/25/88 SUBMIT BUSINESS PLAN TO THIS OFFICE BY 8-25-88.

H13406 REMARKS 07/25/88 PUT ONLY WASTE OIL IN THE WASTE OIL TANK. IT IS ILLEGAL TO

H13406 REMARKS 07/25/88 DISPOSE OF CARB DIP, SOLVENTS, ANTIFREEZE BY MIXING WITH WASTE OIL

H13406 VIOLATION 07/25/88 A CONTINGENCY PLAN HAS NOT BEEN PROVIDED WHICH MINIMIZES HAZARDS TO
HUMAN HEALTH OR THE ENVIRONMENT DUE TO WASTE RELEASE CCR 67140 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 08/88 OCCURRENCES: 1

H13406 WASTE 07/25/88 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 110 GALS AVG ANNUAL QTY: 720 GALS
COMMENT: STORAGE: ABVGR TNK,STEEL 10-1000 G
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H13406 WASTE 07/25/88 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 15 GALS AVG ANNUAL QTY: 150 GALS
COMMENT: SAFETY-KLEEN UNIT STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H13406 REMARKS 01/23/90 CONTACT THE STATE DEPT. OF HEALTH SERVICES AT (916) 324-1781 TO OBTAIN AN EPA IDENTIFICATION NUMBER.

H13406 VIOLATION 01/23/90 GENERATOR OF HAZARDOUS WASTE HAS NOT OBTAINED AN EPA IDENTIFICATION NUMBER CCR 66472 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 02/90 OCCURRENCES: 1

H13406 WASTE 01/23/90 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 185 GALS AVG ANNUAL QTY: 720 GALS
COMMENT: STORAGE: ABVGR TNK,STEEL 10-1000 G
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

H13406 WASTE 01/23/90 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 30 GALS AVG ANNUAL QTY: 270 GALS
COMMENT: SAFETY-KLEEN UNIT STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H13406 INVENTORY TRANSMISSION FLUID
QTY AT 1 TIME: 70 GALS STORAGE: ABVGR TNK,STEEL 10-1000 G
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
H05855 WASTE	06/01/89	WASTE OIL & MIXED OIL PRESENT AT INSPECTION: 10 GALS AVG ANNUAL QTY: 600 GALS COMMENT: WASTE OIL STORAGE: UNDGR TNK,STL,U/L 10-1000 G TREATMENT/DISPOSAL: RECYCLE HAULER: AZTEC OIL			
H05856	CALIF PIT STOP UNOCAL 76	12401 WOODSIDE AV	LAKESIDE	CA 92040-3017	K03
	CALIF PIT STOP UNOCAL 76	12401 WOODSIDE AV	LAKESIDE	CA 92040-3017	07-31
		443-9897 16804 40	3	96	5172

H05856 UNDERGROUND TANK # 001 UNLEADED
CAPACITY: 10,000 GALS TANK WALLS: CARBON STEEL/COMPOSITE
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 11/01/88 TEST STATUS DATE: 10/17/89

MONITORING ALTERNATIVE:
SEC. 2641(C)(5),TITLE 23,CAC TANK TESTING,INVENTORY RECONCILIATION,PIPELINE LEAK DETECTION

H05856 UNDERGROUND TANK CONTENTS: C01 CHEM NAME:

H05856 UNDERGROUND TANK # 002 PREMIUM LEADED
CAPACITY: 10,000 GALS TANK WALLS: CARBON STEEL/COMPOSITE
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 11/01/88 TEST STATUS DATE: 10/17/89

MONITORING ALTERNATIVE:
SEC. 2641(C)(5),TITLE 23,CAC TANK TESTING,INVENTORY RECONCILIATION,PIPELINE LEAK DETECTION

H05856 UNDERGROUND TANK CONTENTS: C01 CHEM NAME:

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H05856 UNDERGROUND TANK # 003 WASTE OIL
CAPACITY: 550 GALS TANK WALLS: CARBON STEEL
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 11/01/88 TEST STATUS DATE: 06/28/87

MONITORING ALTERNATIVE:
SEC. 2641(C)(7),TITLE 23,CAC TANK TESTING,TANK GAUGING

H05856 UNDERGROUND TANK CONTENTS: C01 CHEM NAME:

H05856 VIOLATION 05/21/86 GENERATOR OF HAZARDOUS WASTE HAS NOT MADE COPIES OF WASTE HAULER
RECEIPTS AVAILABLE FOR REVIEW CCR 66328 (A)(7)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 07/86 OCCURRENCES: 2

H05856 WASTE 05/21/86 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 50 GALS AVG ANNUAL QTY: 1000 GALS
COMMENT: FULL SERVICE GAS STATION STORAGE: UNDGR TNK,STL,LND 10-1000 G
TREATMENT/DISPOSAL: RECYCLE
HAULER: NELCO OIL REFINING CORP

H05856 WASTE 05/21/86 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 20 GALS AVG ANNUAL QTY: 180 GALS
COMMENT: SAFETY KLEEN STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H05856 WASTE 05/21/86 HALOGENATED SOLVENTS
PRESENT AT INSPECTION: 3 GALS AVG ANNUAL QTY: 1 GALS
COMMENT: CARB DIP STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H05856 WASTE 07/14/87 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 50 GALS AVG ANNUAL QTY: 1000 GALS
COMMENT: FULL SERVICE GAS STATION STORAGE: UNDGR TNK,STL,LND 10-1000 G
TREATMENT/DISPOSAL: RECYCLE
HAULER: NELCO OIL REFINING CORP

H05856 WASTE 07/14/87 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 20 GALS AVG ANNUAL QTY: 180 GALS
COMMENT: SAFETY KLEEN STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H05856 WASTE 07/14/87 HALOGENATED SOLVENTS
PRESENT AT INSPECTION: 3 GALS AVG ANNUAL QTY: 1 GALS
COMMENT: CARB DIP STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

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H05857	EDS UNION SERVICE	1076 ROSECRANS ST	SAN DIEGO	CA 92106-3045	K07
	EDD WARREN	1076 ROSECRANS ST	SAN DIEGO	CA 92106-3045	02-28
		224-2578 01-03-73 07100 20	7	61	5541

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H05857 UNDERGROUND TANK # 001 UNLEADED
CAPACITY: 7,500 GALS TANK WALLS: CARBON STEEL
REG ST: EXEMPT > OR = 1100 GALLONS TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 06/25/87

MONITORING ALTERNATIVE:
SEC. 2641(C)(5),TITLE 23,CAC TANK TESTING,INVENTORY RECONCILIATION,PIPELINE LEAK DETECTION

H05857 UNDERGROUND TANK CONTENTS: C01 CHEM NAME:

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H05710 VIOLATION 07/05/88 HAZARDOUS MATERIALS HANDLER DOES NOT HAVE A BUSINESS PLAN. HSC 25503.5
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 08/88 OCCURRENCES: 1

H05710 WASTE 07/05/88 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 200 GALS AVG ANNUAL QTY: 1000 GALS
COMMENT: WASTE OIL STORAGE: UNDGR TNK,UNSPECIFIED
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

H05710 WASTE 07/05/88 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 16 GALS AVG ANNUAL QTY: 96 GALS
COMMENT: SAFETY KLEEN UNIT STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H05710 INVENTORY KEROSENE
QTY AT 1 TIME: 55 GALS STORAGE: ABVGR TNK,STEEL 10-1000 G
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:

H05710 INVENTORY GEAR LUBE
QTY AT 1 TIME: 550 GALS STORAGE: METAL DRUMS,55 GALLONS
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2:

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H05711	LAKESIDE CHEVERON	12402 WOODSIDE AV	LAKESIDE	CA 92040-3018	K07
	SALENE ENTERPRISES INC	12402 WOODSIDE AV	LAKESIDE	CA 92040-3018	10-31
		443-5211 11-21-88 16804 40	10	96	5172

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ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H05711 UNDERGROUND TANK # 001 UNLEADED
CAPACITY: 10,000 GALS TANK WALLS: CARBON STEEL
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 12/23/87

MONITORING ALTERNATIVE:
SEC. 2641(C)(5),TITLE 23,CAC TANK TESTING,INVENTORY RECONCILIATION,PIPELINE LEAK DETECTION

H05711 UNDERGROUND TANK # 002 REGULAR LEADED
CAPACITY: 10,000 GALS TANK WALLS: CARBON STEEL
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 12/23/87

MONITORING ALTERNATIVE:
SEC. 2641(C)(5),TITLE 23,CAC TANK TESTING,INVENTORY RECONCILIATION,PIPELINE LEAK DETECTION

H05711 UNDERGROUND TANK # 003 PREMIUM LEADED
CAPACITY: 5,000 GALS TANK WALLS: CARBON STEEL
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 12/23/87

MONITORING ALTERNATIVE:
SEC. 2641(C)(5),TITLE 23,CAC TANK TESTING,INVENTORY RECONCILIATION,PIPELINE LEAK DETECTION

H05711 UNDERGROUND TANK # 004 WASTE OIL
CAPACITY: 1,000 GALS TANK WALLS: CARBON STEEL
REG ST:INTERIM PERMIT TO OPERATE TEST STATUS: TANK SYSTEM TIGHT
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 07/25/89

MONITORING ALTERNATIVE:
SEC. 2641(C)(7),TITLE 23,CAC TANK TESTING,TANK GAUGING

H05711 WASTE 07/14/87 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 75 GALS AVG ANNUAL QTY: 900 GALS
COMMENT: FULL SERVICE GAS STATION STORAGE: UNDGR TNK,STL,LND 10-1000 G
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H05711 WASTE 07/14/87 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 8 GALS AVG ANNUAL QTY: 75 GALS
COMMENT: SAFETY-KLEEN UNIT STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H05711 REMARKS 12/19/88 SUBMIT A BUSINESS PLAN TO THIS OFFICE WITHIN THIRTY (30) DAYS OF THE INSPECTION DATE INDICATED ABOVE.

H05711 REMARKS 12/19/88 CONTACT THE STATE DEPT. OF HEALTH SERVICES AT (916) 324-1781 TO OBTAIN AN EPA IDENTIFICATION NUMBER.

H05711 REMARKS 12/19/88 WEEKLY GAUGING OF WASTE OIL TANK IS REQUIRED AND RECORDS OF

H05711 REMARKS 12/19/88 GAUGING ARE REQUIRED TO BE MAINTAINED ON-SITE.

H05711 REMARKS 12/19/88 CHECK WITH CHEVRON ON STATUS OF PRECISION TANK TESTS INCLUDING

H05711 REMARKS 12/19/88 THE TESTING OF YOUR WASTE OIL TANK. OUR RECORDS INDICATE THAT

H05711 REMARKS 12/19/88 THE WASTE OIL TANK WAS LAST TESTED ON 08-11-86.

H05711 VIOLATION 12/19/88 GENERATOR OF HAZARDOUS WASTE HAS NOT OBTAINED AN EPA IDENTIFICATION NUMBER CCR 66472 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE: 02/89 OCCURRENCES: 1

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H05711 VIOLATION 12/19/88 A CONTINGENCY PLAN HAS NOT BEEN PROVIDED WHICH MINIMIZES HAZARDS TO HUMAN HEALTH OR THE ENVIRONMENT DUE TO WASTE RELEASE CCR 67140 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 01/89 OCCURRENCES: 1

H05711 WASTE 12/19/88 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 75 GALS AVG ANNUAL QTY: 900 GALS
COMMENT: FULL SERVICE GAS STATION STORAGE: UNDGR TNK,STL,LND 10-1000 G
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

H05711 WASTE 12/19/88 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 8 GALS AVG ANNUAL QTY: 75 GALS
COMMENT: SAFETY-KLEEN UNIT STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H05711 REMARKS 11/14/89 PLEASE KEEP WASTE HAULER RECEIPTS ON SITE AS EVIDENCE OF PROPER

H05711 REMARKS 11/14/89 DISPOSAL OF HAZARDOUS WASTES.

H05711 VIOLATION 11/14/89 GENERATOR OF HAZARDOUS WASTE HAS NOT MADE COPIES OF WASTE HAULER RECEIPTS AVAILABLE FOR REVIEW CCR 66328 (A)(7)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 12/89 OCCURRENCES: 1

H05711 WASTE 11/14/89 WASTE OIL & MIXED OIL
PRESENT AT INSPECTION: 75 GALS AVG ANNUAL QTY: 900 GALS
COMMENT: FULL SERVICE GAS STATION STORAGE: UNDGR TNK,STL,LND 10-1000 G
TREATMENT/DISPOSAL: RECYCLE
HAULER: AZTEC OIL

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H05711 WASTE 11/14/89 HYDROCARBON SOLVENTS
PRESENT AT INSPECTION: 8 GALS AVG ANNUAL QTY: 75 GALS
COMMENT: SAFETY-KLEEN UNIT STORAGE: PROCESSING EQUIPMENT
TREATMENT/DISPOSAL: RECYCLE
HAULER: SAFETY-KLEEN

H05711 INVENTORY PROPANE
QTY AT 1 TIME: 500 GALS STORAGE: ABVGR TNK,STEEL 10-1000 G
HAZARD CAT.#1: FIRE HAZARD HAZARD CAT.#2: SUDDN RLSE OF PRES

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H05714	DON HEATH CHEVRON	469 W FELICITA AV	ESCONDIDO	CA 92025-6517	K05
	DONALD HEATH	469 W FELICITA AV	ESCONDIDO	CA 92025-6517	03-31
		743-9751 07-01-76 20701 09	9	61	

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H05714 UNDERGROUND TANK # 001 FUEL UNSPECIFIED
CAPACITY: 7,500 GALS TANK WALLS: CARBON STEEL
REG ST:CLOSED BY REMOVAL TEST STATUS: TANK TEST NOT APPLICABLE
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 08/11/86

H05714 UNDERGROUND TANK # 002 FUEL UNSPECIFIED
CAPACITY: 7,500 GALS TANK WALLS: CARBON STEEL
REG ST:CLOSED BY REMOVAL TEST STATUS: TANK TEST NOT APPLICABLE
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 08/11/86

H05714 UNDERGROUND TANK # 003 FUEL UNSPECIFIED
CAPACITY: 5,000 GALS TANK WALLS: CARBON STEEL
REG ST:CLOSED BY REMOVAL TEST STATUS: TANK TEST NOT APPLICABLE
REGULATORY STATUS DATE: 08/11/86 TEST STATUS DATE: 08/11/86

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
H11015	REMARKS 09/08/86 USED DIAFOMATIOUS EARTH FILTER MATERIAL IS ONLY				
H11015	REMARKS 09/08/86 ABOUT 50 LBS PER MO.				
H11015	VIOLATION 09/08/86 GENERATOR OF HAZARDOUS WASTE HAS NOT OBTAINED AN EPA IDENTIFICATION NUMBER CCR 66472 (A) WASTE: STILL BOTTOMS W/HALOG ORGANICS COMPLIANCE DATE; OCCURRENCES: 1				
H11015	WASTE 09/08/86 HALOGENATED SOLVENTS PRESENT AT INSPECTION: 350 LBS AVG ANNUAL QTY: 180 LBS COMMENT: WASTE IS FILTER POWDER STORAGE: METAL DRUMS,55 GALLONS TREATMENT/DISPOSAL: RECYCLE HAULER: ROEHL DISPOSAL SERVICE				
H11016	HALF HOUR PERMA CLEAN JOHNNY B MIN	12403 WOODSIDE AV 12403 WOODSIDE AV 443-4833 16804 40	LAKESIDE LAKESIDE 0	CA 92040-3017 CA 92040-3017 01	K01 11-30 7216
H11016	WASTE 01/30/86 HALOGENATED SOLVENTS PRESENT AT INSPECTION: 70 LBS AVG ANNUAL QTY: 140 LBS COMMENT: CART CHANGED 2 TIMES YR STORAGE: METAL DRUMS,55 GALLONS TREATMENT/DISPOSAL: LANDFILL HAULER: ROEHL DISPOSAL SERVICE				
H11016	WASTE 01/30/86 STILL BOTTOMS W/HALOG ORGANICS PRESENT AT INSPECTION: 1 GALS AVG ANNUAL QTY: 52 GALS COMMENT: STORAGE: METAL DRUMS,55 GALLONS TREATMENT/DISPOSAL: LANDFILL HAULER: ROEHL DISPOSAL SERVICE				

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H11016 VIOLATION 02/27/87 A CONTINGENCY PLAN HAS NOT BEEN PROVIDED WHICH MINIMIZES HAZARDS TO HUMAN HEALTH OR THE ENVIRONMENT DUE TO WASTE RELEASE CCR 67140 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 03/87 OCCURRENCES: 1

H11016 VIOLATION 02/27/87 HAZARDOUS WASTE STORAGE CONTAINER IS NOT CLEARLY MARKED WITH THE DATE UPON WHICH EACH PERIOD OF ACCUMULATION BEGINS CCR 66508 (A)(2)
WASTE: STILL BOTTOMS W/HALOG ORGANICS COMPLIANCE DATE; 03/87 OCCURRENCES: 2

H11016 VIOLATION 02/27/87 HAZARDOUS WASTE STORAGE CONTAINER LABEL DOES NOT CONTAIN THE PHYSICAL STATE, COMPOSITION, HAZ. PROPERTIES, OR GENERATOR INFO CCR 66508 (C)
WASTE: STILL BOTTOMS W/HALOG ORGANICS COMPLIANCE DATE; 03/87 OCCURRENCES: 1

H11016 WASTE 02/27/87 HALOGENATED SOLVENTS
PRESENT AT INSPECTION: 0 LBS AVG ANNUAL QTY: 425 LBS
COMMENT: FILTER CARTRIGES, 14 PER STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: UNKNOWN
HAULER: AAD DISPOSAL OF SD

H11016 WASTE 02/27/87 STILL BOTTOMS W/HALOG ORGANICS
PRESENT AT INSPECTION: 5 GALS AVG ANNUAL QTY: 312 GALS
COMMENT: STILL BOTTOMS 6QT/WK. STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: UNKNOWN
HAULER: AAD DISPOSAL OF SD

H11016 WASTE 04/18/88 HALOGENATED SOLVENTS
PRESENT AT INSPECTION: 200 LBS AVG ANNUAL QTY: 800 LBS
COMMENT: CARTRIDGE FILTERS STORAGE: METAL DRUMS,55 GALLONS
TREATMENT/DISPOSAL: RECYCLE
HAULER: AAD DISPOSAL OF SD

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DIE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
I11016	WASTE 04/18/88 STILL BOTTOMS W/HALOG ORGANICS PRESENT AT INSPECTION: 0 GALS AVG ANNUAL QTY: 30 GALS COMMENT: STILL OIL STORAGE: METAL DRUMS,55 GALLONS TREATMENT/DISPOSAL: RECYCLE HAULER: AAD DISPOSAL OF SD				
I11019	HERITAGE DRY CLEANERS BITALEE INC	2147 COMSTOCK ST 2147 COMSTOCK ST 278-8430 06- -79 08800 20	SAN DIEGO SAN DIEGO 11	CA 92111-6624 CA 92111-6624 01	K04 04-30 7216
I11019	VIOLATION 09/24/85 STORAGE OF HAZARDOUS WASTE ON SITE FOR MORE THAN 90 DAYS WITHOUT HAVING INTERIM STATUS, DOHS VARIANCE, OR EXTENSION CCR 66508 (A) WASTE: STILL BOTTOMS W/HALOG ORGANICS COMPLIANCE DATE; 10/85 OCCURRENCES: 1				
I11019	VIOLATION 09/24/85 HAZARDOUS WASTE STORAGE CONTAINER IS NOT CLEARLY MARKED WITH THE DATE UPON WHICH EACH PERIOD OF ACCUMULATION BEGINS CCR 66508 (A)(2) WASTE: HALOGENATED SOLVENTS COMPLIANCE DATE; 10/85 OCCURRENCES: 1				
I11019	VIOLATION 09/24/85 GENERATOR OF HAZARDOUS WASTE HAS NOT OBTAINED A VALID SAN DIEGO COUNTY HEALTH PERMIT SDCC 68905 WASTE: HALOGENATED SOLVENTS COMPLIANCE DATE; 10/85 OCCURRENCES: 1				
I11019	WASTE 09/24/85 HALOGENATED SOLVENTS PRESENT AT INSPECTION: 55 GALS AVG ANNUAL QTY: 440 GALS COMMENT: 32 CARTRIDGE FILTERS / YR STORAGE: METAL DRUMS,55 GALLONS TREATMENT/DISPOSAL: RECYCLE HAULER: ROEHL DISPOSAL SERVICE				

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS
H13643	COOLING SYSTEM STORE	12239 WOODSIDE AVENUE 12239 WOODSIDE AV 561-1970 04-01-80 16702 97	LAKESIDE LAKESIDE 3	CA 92040 CA 92040	K04 04-30 7539

H13643 REMARKS 01/25/89 SUBMIT A BUSINESS PLAN TO THIS OFFICE WITHIN THIRTY (30) DAYS OF THE INSPECTION DATE INDICATED ABOVE.

H13643 REMARKS 01/25/89 HAZARDOUS WASTES MUST BE TRANSPORTED BY A REGISTERED HAZARDOUS WASTE HAULER UNDER A UNIFORM HAZARDOUS WASTE MANIFEST.

H13643 REMARKS 01/25/89 KEEP ALL CONTAINERS STORING HAZARDOUS WASTE CLOSED UNLESS ACTUALLY ADDING TO OR REMOVING WASTES FROM THE CONTAINER.

H13643 REMARKS 01/25/89 KEEP ALL HAZARDOUS WASTE LABELED WITH HAZARDOUS WASTE INFORMATION

H13643 REMARKS 01/25/89 AND ACCUMULATION START DATES

H13643 REMARKS 01/25/89 IF YOU GENERATE LESS THAN 100 KG (200 LBS) OF HAZARDOUS WASTE PER

H13643 REMARKS 01/25/89 MONTH, YOU MAY SELF-HAUL 5 GALS. OR 50 LBS TO A PERMITTED

H13643 REMARKS 01/25/89 HAZARDOUS WASTE FACILITY

H13643 REMARKS 01/25/89 A WASTE DETERMINATION ON ANY BEADBLAST WASTE MUST BE PERFORMED IF

ESTAB NUMBER	ESTABLISHMENT NAME / OWNER NAME / CARE OF NAME	ESTABLISHMENT ADDRESS / MAILING ADDRESS / BUS-PHONE DTE-ASSUMED CENSUS CORP	ESTAB-CITY / MAIL-CITY / UNITS	ST EST-ZIP / ST MAIL-ZIP / STATUS	BUS-CD / EX-DTE / SIC CDS

H13643 REMARKS 01/25/89 YOU INTEND TO HANDLE THIS WASTE AS NON-HAZARDOUS

H13643 REMARKS 01/25/89 ELIMINATE ANY CAUSTIC SOLUTION DI

H13643 VIOLATION 01/25/89 GENERATOR OF HAZARDOUS WASTE HAS NOT OBTAINED AN EPA IDENTIFICATION NUMBER CCR 66472 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 03/89 OCCURRENCES: 1

H13643 VIOLATION 01/25/89 GENERATOR OF HAZARDOUS WASTE HAS NOT OBTAINED A VALID SAN DIEGO COUNTY HEALTH PERMIT SDCC 68905
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 01/89 OCCURRENCES: 1

H13643 VIOLATION 01/25/89 HAZARDOUS WASTE STORAGE CONTAINER IS NOT KEPT CLOSED DURING STORAGE, EXCEPT AS NECESSARY TO ADD OR REMOVE WASTE CCR 67243 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 01/89 OCCURRENCES: 1

H13643 VIOLATION 01/25/89 HAZARDOUS WASTE STORAGE CONTAINER IS NOT CLEARLY MARKED OR PROPERLY LABELED. CCR 66508 (A)(3)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 01/89 OCCURRENCES: 1

H13643 VIOLATION 01/25/89 A CONTINGENCY PLAN HAS NOT BEEN PROVIDED WHICH MINIMIZES HAZARDS TO HUMAN HEALTH OR THE ENVIRONMENT DUE TO WASTE RELEASE CCR 67140 (A)
WASTE: GENERAL VIOLATION COMPLIANCE DATE; 02/89 OCCURRENCES: 1

H13643 WASTE 01/25/89 METAL SLUDGE
PRESENT AT INSPECTION: 350 GALS AVG ANNUAL QTY: 350 GALS
COMMENT: HOT TANK SLUDGE STORAGE: PLASTIC DRUMS 0-5 GALLONS
TREATMENT/DISPOSAL: UNKNOWN
HAULER: UNKNOWN HAZ WST HAULER

DATE DRILLED 7/24/90 **BORING NO.** B-1

GROUND ELEVATION 390' +/- MSL SHEET 1 OF 1

METHOD OF DRILLING Beaver Rig

DRIVE WEIGHT _____ DROP _____

SAMPLED BY KM LOGGED BY KM

DEPTH (Feet)	SAMPLE: Bulk	SAMPLE: Driven	BLOWS/FOOT	SAMPLE NUMBER	PID READING	CLASSIFICATION U.S.C.S.	DESCRIPTION
0							Fill
		■		B-1: 2	360	SC	Light orange-brown, damp, loose to medium dense, clayey fine SAND; with gravel to 1-inch diameter; micaceous.
		■		B-1: 5	9	CL	@4.0' Dark grey, moist, soft, silty CLAY; micaceous.
5						SC	@6.0' Dark red-brown, damp, medium dense, clayey, fine to medium SAND; with some coarse sand.
		■		B-1: 10			
10							Total depth = 10.0 feet. No ground water encountered. No caving. Backfilled 7/24/90.
15							
20							

Ninyo & Moore

BORING LOG

GENERAL TIRE
LAKESIDE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
101744-01	8/90	

DATE DRILLED 7/24/90 **BORING NO.** B-2

GROUND ELEVATION 390' +/- MSL SHEET 1 OF 1

METHOD OF DRILLING Beaver Rig

DRIVE WEIGHT _____ DROP _____

SAMPLED BY KM LOGGED BY KM

DEPTH (Feet)	SAMPLE (Bulk / Driven)	BLOWS/FOOT	SAMPLE NUMBER	PID READING	CLASSIFICATION U.S.C.S.	DESCRIPTION
0						Fill
	■		B-2: 1.5	145	SC	Orange-brown, dry to damp, loose to medium dense, clayey fine SAND; with some coarse sand.
					SM	@3.0' Dark grey-brown to black, damp to moist, medium dense, slightly clayey, silty fine SAND; micaceous; unidentifiable odor present.
5	■		B-2: 5	103		
					SC	@6.0' Red-brown, moist, medium dense, clayey fine SAND; micaceous.
	■		B-2: 10	175		@8.0' Cobbles: refusal.
10						Total depth = 8.0 feet. No ground water encountered. No caving. Backfilled 7/24/90.
15						
20						

Ninyo & Moore

BORING LOG

GENERAL TIRE
LAKESIDE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
101744-01	8/90	

DATE DRILLED 7/24/90 **BORING NO.** B-3

GROUND ELEVATION 390' +/- MSL SHEET 1 OF 1

METHOD OF DRILLING Beaver Rig

DRIVE WEIGHT _____ DROP _____

SAMPLED BY KM LOGGED BY KM

DEPTH (Feet)	SAMPLE (Bulk / Driven)	BLOWS/FOOT	SAMPLE NUMBER	PID READING	CLASSIFICATION U.S.C.S.	DESCRIPTION
0			B-3: 1.5	5	SC	Fill Medium red-brown, damp, loose to medium dense, clayey, fine to medium SAND; with some gravel to 3/4-inch diameter.
			B-3: 5	1		@4.0' Dark red-brown, damp, medium dense, clayey fine SAND. @5.0' Cobbles: refusal.
5						Total depth = 5.0 feet. No ground water encountered. No caving. Backfilled 7/24/90. Note: In eight attempts in the area, could not drill through cobble layer at 5.0' below ground surface.
10						
15						
20						

Ninyo & Moore

BORING LOG

GENERAL TIRE
LAKESIDE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
101744-01	8/90	

DATE DRILLED 7/26/90 **BORING NO.** B-4

GROUND ELEVATION 390' +/- MSL SHEET 1 OF 1

METHOD OF DRILLING 8.25-inch O.D. Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY KM LOGGED BY KM

DEPTH (Feet)	SAMPLE (Bulk / Driven)	BLOWS/FOOT	SAMPLE NUMBER	PID READING	CLASSIFICATION U.S.C.S.	DESCRIPTION
0						Fill Manure with gravel to approximately 1.5-inch diameter.
			B-4: 2	4	SM	@0.5' Brown, damp, medium dense, silty, fine to medium SAND; micaceous. @3.0' Some asphaltic concrete pieces in cuttings. @4.0' Dark red-brown, damp, medium dense, clayey fine SAND.
5			B-4: 5		SC	@5.0' Grey-brown, damp, medium dense, silty, clayey fine SAND; with some coarse sand; organic odor.
10			B-4: 10			Total depth = 11.5 feet. No ground water encountered. No caving. Backfilled 7/26/90.
15						
20						

Ninyo & Moore

BORING LOG

GENERAL TIRE
LAKESIDE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
101744-01	8/90	

DATE DRILLED 7/26/90 **BORING NO.** B-5

GROUND ELEVATION 390' +/- MSL SHEET 1 OF 1

METHOD OF DRILLING 8.25-inch O.D. Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY KM LOGGED BY KM

DEPTH (Feet)	SAMPLE: Bulk	SAMPLE: Driven	BLOWS/FOOT	SAMPLE NUMBER	PID READING	CLASSIFICATION U.S.C.S.	DESCRIPTION
0						SM/ML	Fill Dark red-brown, damp, loose to medium dense, silty, fine to medium SAND/sandy SILT; micaceous.
		■		B-5: 2	14		
5		■		B-5: 5	4		
						CL	@6.0' Dark red-brown, moist, medium dense, sandy CLAY.
						SM/ML	@8.5' Black, damp to moist, medium dense, silty SAND/sandy SILT; unidentifiable odor present.
10	■			B-5: 10	5		
							Total depth = 10.5 feet. No ground water encountered. No caving. Backfilled 7/26/90.
15							
20							

Ninyo & Moore

BORING LOG

GENERAL TIRE
LAKESIDE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
101744-01	8/90	

DATE DRILLED 7/26/90 **BORING NO.** B-6

GROUND ELEVATION 390' +/- MSL SHEET 1 OF 2

METHOD OF DRILLING 8.25-inch O.D. Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY KM LOGGED BY KM

DEPTH (Feet)	SAMPLE: Bulk	SAMPLE: Driven	BLOWS/FOOT	SAMPLE NUMBER	PID READING	CLASSIFICATION U.S.C.S.	DESCRIPTION
0							Fill
						ML	Light brown, dry to damp, loose to medium dense, fine sandy SILT; micaceous.
		■		B-6: 2	65		
		■				SM	@3.0' Light brown, dry to damp, medium dense, silty fine SAND; with some medium sand.
5		■		B-6: 5	45		
10		■		B-6: 10	37		Alluvium
						SW	@10.0' Tan to off-white (various), dry, medium dense, fine to coarse SAND; well-graded.
15							
20							

Ninyo & Moore

BORING LOG

GENERAL TIRE
LAKESIDE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
101744-01	8/90	

DATE DRILLED 7/26/90 **BORING NO.** B-6

GROUND ELEVATION 390' +/- MSL SHEET 2 OF 2

METHOD OF DRILLING 8.25-inch O.D. Hollow Stem Auger

DRIVE WEIGHT 140 lbs. DROP 30"

SAMPLED BY KM LOGGED BY KM

DEPTH (Feet)	SAMPLE: Bulk	SAMPLE: Driven	BLOWS/FOOT	SAMPLE NUMBER	PID READING	CLASSIFICATION U.S.C.S.	DESCRIPTION
20							Alluvium (cont'd.)
						SP	@23.0' Grey-brown, moist, loose to medium dense, fine to medium SAND; poorly graded; micaceous.
25							
30							
35							Total depth = 40.0 feet. Ground water encountered at 39.0 feet. Caving to 35.0 feet. Backfilled 7/26/90.
40							

Ninyo & Moore

BORING LOG

GENERAL TIRE
LAKESIDE, CALIFORNIA

PROJECT NO.	DATE	FIGURE
101744-01	8/90	

QUALITY ASSURANCE LABORATORY
6555 NANCY RIDGE DR., SUITE 300
SAN DIEGO, CALIFORNIA 92121
(619) 566-1060

NINYO & MOORE
ATTN: STEVE BECK
6150 LUSK BLVD, SUITE B-200
SAN DIEGO, CA 92121

DATE OF REPORT	AUGUST 7, 1990
DATE RECEIVED	JULY 26, 1990
DATE COMPLETED	AUGUST 2, 1990
ANALYZED BY	VJ GA JM
SAMPLE TYPE	6 SOIL COMPOSITE 1 GROUND WATER
PROJECT NAME	GENERAL TIRE
PROJECT NUMBER	101744-01

ANALYSES RESULTS

LOG NUMBER	SAMPLE ID	ANALYSIS: TRPH METHOD: EPA 418.1 UNITS: MG/KG	TPH DHS* MG/KG
11124-90	B-1,2,3 @ 2.0,1.5,1.5	2,470	
11127-90	B-4,5,6 @ 2.0,2.0,2.0	2,550	
11130-90	B-1,2,3 @ 5.0,5.0,5.0		17.0
11133-90	B-4,5,6 @ 5.0,5.0,5.0		16.0
11136-90	B-1,2 @ 10.0,10.0		<10.0
11138-90	B-4,5,6 @ 10.0,10.0,10.0		18.0
CCCV		108%	109%
SPIKE RECOVERY		100%	105%
DUPLICATE RPD		10%	2%

TPH - TOTAL PETROLEUM HYDROCARBONS

TRPH - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

* RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD MANUAL, MAY 1988

TOTAL PETROLEUM HYDROCARBON ANALYSES RESULTING IN HYDROCARBONS OF THE RANGE C10 - C23

PETER SHEN
LABORATORY DIRECTOR

PS/at

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

APN 470 020 17
CONTROL # W92595

EXISTING MONITORING WELL INSPECTION REPORT

SITE ADDRESS 7651 Alvarado Rd CITY La Mesa ZIP _____

PROPERTY OWNER Chevron

MAILING ADDRESS P.O Box 2833 CITY Lathabra ZIP 90632

NUMBER OF WELLS 3 DATE 3/30/93

WELL LOCATION #	WELL LOCATION DESCRIPTION

	WELL LOCATION NUMBER	MW1	MW2	MW3			REMARKS
EXTERIOR	WELL COVER CONDITION	Good	Good	Good			
	WELL PERIMETER SEAL CONDITION	Fair	Fair	Fair			
	WELL STRUCTURE DRAINAGE	Fair	Fair	Fair			
	PROPERLY SECURED	Yes	Yes	Yes			
INTERIOR	TYPE OF WELL SEAL	C	C	C			
	INNER VAULT INTEGRITY	Fair	Fair	Fair			
	WELL CASING TYPE	4" PVC	4" PVC	4" PVC			
	LOCKED CAP	Yes	Yes	Yes			
	PROPERLY SEALED CAP	Yes	Yes	Yes			
	LIQUID PRESENT	Yes	Yes	Yes			

SPECIALISTS COMMENTS: _____

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261 SAN DIEGO 92138-5261
(619) 338-2222

HAZARDOUS MATERIALS SPECIALIST
COUNTY OF SAN DIEGO

PERMIT # W92595

A.P.N. # 470-020-12

EST # H12687

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: CHEVRON

SITE ADDRESS: 7651 ALVARADO RD, LA MESA, CA

PERMIT FOR: 3 MONITORING WELLS

PERMIT APPROVAL DATE: 02/05/92

PERMIT EXPIRES ON: 06/03/92

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Submit complete laboratory data for both soil and groundwater with the well logs.

4. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

5. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

6. This office must be given 48 hour notice of any drilling activity on this site.

7. This office must be given advanced notification of drilling cancellation.

APPROVED BY: Kevin M. Hall DATE: 2/5/92

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS

change of Driller to #W92595

ASSESSORS PARCEL NO.	PROPOSED DRILLING DATE	NO. OF WELLS TO BE CONSTRUCTED
470-020-12	3/25/92	3

SITE NAME: Chevron/La Mesa

SITE ADDRESS — STREET: 7651 Alvarado Rd, CITY: La Mesa, ZIP: Calif. 92041

PROPERTY OWNER (NAME): Chevron USA — PHONE NO.: (213) 694-7903

MAILING ADDRESS — STREET: P.O. Box 2833, CITY: La Habra, ZIP: Calif. 90632

DRILLER(NAME): Bernard Schutner — LICENSE NO. ~~#544260~~ AL GMP 512010 — PHONE NO. 619 275-6577 ~~(714) 727-1217~~

MAILING ADDRESS — STREET: [illegible] CITY: [illegible] ZIP: 927[illegible]

REGISTERED GEOLOGIST/ENGINEERING GEOLOGIST/CIVIL ENGINEER (RG/CEG/RCE): Gary Pischke — REG #: 1501 — PHONE NO.: (619) 453-8415

MAILING ADDRESS — STREET: Groundwtr Tech., 9940 Mesa Rim Rd, Ste B, CITY: San Diego, ZIP: 92121

BOND POSTED: [X] YES [ ] NO

TYPE OF WELL: [X] GROUND WATER [ ] BORING [ ] VADOSE [ ] OTHER _____

DRILLING METHOD: [X] AUGER [ ] AIR ROTARY [ ] MUD ROTARY [ ] PERCUSSION [ ] OTHER _____

MATERIALS TO BE USED

CASING
- TYPE: PVC
- GAUGE: Sch 40
- DIAMETER: 4"
- WELL SCREEN SIZE: 0.020"
- FILTER PACK Specify: #3 sand

SEAL
- [ ] NEAT CEMENT
- [X] CEMENT & BENTONITE
- [ ] OTHER _____

PROPOSED CONSTRUCTION

Estimated ground water depth 7-8 ft

CEMENT SEAL	0	TO	1
BENTONITE SEAL	1	TO	4
FILTER PACK	4	TO	15
PERFORATION	5	TO	15

NOTE: For wells with multiple completion attach a well construction diagram

I hereby agree to comply with all regualations of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

[signature] 3/26/92 ~~3/23/92~~

DRILLER SIGNATURE — DATE

Within 30 days of well completion, I will furnish the Department of Health Services with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application

[signature] 3/23/92

RG/CEG/RCE SIGNATURE — DATE

DISPOSITION OF APPLICATION [X] APPROVED [ ] DENIED

CONDITIONS: Permit revised for new driller listed above. Same conditions apply as stated on original permit

[signature] 3/26/92

HEALTH OFFICER — DATE

OFFICE USE ONLY

NUMBER OF WELLS TO BE CONSTRUCTED _____ X $150.00 = $ _____ AMOUNT DUE — ESTABLISHMENT # H12689

CHECK NO. _____ DATE _____ PROCESSED BY _____ PERMIT# W92595

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
DHS:HM-9060 (11/91)

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA. 92186-5261 (619) 338-2222

PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

RECEIVED DEC 26 1991

ASSESSORS PARCEL NO.	PROPOSED DRILLING DATE	NO. OF WELLS TO BE CONSTRUCTED
417-020-12	2/11/92	3

SITE NAME: Chevron

SITE ADDRESS: STREET: 7651 Alvarado Road, CITY: La Mesa, ZIP: Calif. 92041

PROPERTY OWNER (NAME): Chevron USA — PHONE NO.: (213)694-7903

MAILING ADDRESS: STREET: P.O. Box 2833, CITY: La Habra, ZIP: Calif. 90632-2833

DRILLER(NAME): Anderson Drilling — LICENSE NO.: 419525-A C57 — PHONE NO.: (619) 443-3891

MAILING ADDRESS: STREET: 10303 Channel Rd, CITY: Lakeside, CA, ZIP: 92040

REGISTERED GEOLOGIST/ENGINEERING GEOLOGIST/CIVIL ENGINEER (RG/CEG/RCE): Gary Pischke — REG#: 1501 — PHONE NO.: (619) 453-8415

MAILING ADDRESS: STREET: Groundwtr Tech, 9940 Mesa Rim Rd, Ste B, CITY: San Diego, ZIP: Cal. 92121

BOND POSTED: [X] YES [ ] NO

TYPE OF WELL: [X] GROUND WATER [ ] BORING [ ] VADOSE [ ] OTHER

DRILLING METHOD: [X] AUGER [ ] AIR ROTARY [ ] MUD ROTARY [ ] PERCUSSION [X] OTHER Solid stem

MATERIALS TO BE USED

CASING
- TYPE: PVC
- GAUGE: Sch 40
- DIAMETER: 4"
- WELL SCREEN SIZE: 0.020"
- FILTER PACK Specify: #3 sand

SEAL
- [ ] NEAT CEMENT
- [X] CEMENT & BENTONITE
- [ ] OTHER

PROPOSED CONSTRUCTION

Estimated ground water depth 7-8 ft

		TO
CEMENT SEAL	0	1
BENTONITE SEAL	1	4
FILTER PACK	4	15
PERFORATION	5	15

NOTE: For wells with multiple completion attach a well construction diagram

I hereby agree to comply with all regulations of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

DRILLER SIGNATURE — DATE: updated 1/30/92 ~~12-23-91~~

Within 30 days of well completion, I will furnish the Department of Health Services with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application

RG/CEG/RCE SIGNATURE: Gary Pischke — DATE: 1/30/92

DISPOSITION OF APPLICATION: [X] APPROVED [ ] DENIED

CONDITIONS: Refer to attached conditions

HEALTH OFFICER — 2/5/92

01-31-92 16:46 CSHR02 011011 46115
9145 915 429K25 DATE $450.00
CHECK $450.00

OFFICE USE ONLY

NUMBER OF WELLS TO BE CONSTRUCTED 3 X $150.00 = $ 450.00 AMOUNT DUE — ESTABLISHMENT H12687

CHECK NO. 63321 DATE 1/31/92 PROCESSED BY — PERMIT# 92575

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
DHS:HM-9060 (11/91)

UR-MCP

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA. 92186-5261 (619) 338-2222

PERMIT APPLICATION SUPPLEMENT

GROUND WATER AND VADOSE MONITORING WELLS

1. Well design, logging and construction must be supervised by a geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.

2. Provide verification of a well Drilling C-57 license

3. Provide a plot plan giving location of existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.

4. What is the purpose of the well? determine horizontal and lateral extent of hydrocarbons in groundwater.

5. What procedures will be used to prevent the well from providing an avenue to contamination during construction? depth of well will be at approved minimum possible below groundwater.

6. What field procedures will be utilized to determine if contamination exists? All samples will be field screened using visual and instrumental methods.

7. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving? Testing or archiving of samples will be determined by field screening.

8. What constituents will be monitored and tested? BTEX; TPH as Gasoline (mod. 8015/8020)

9. How will samples be transported and preserved? Samples will be stored on ice, and transported with chain-of-custody to an approved laboratory.

10. What sampling methods will be used? Samples will be collected off the auger, placed into a glass jar, covered with Teflon, and sealed.

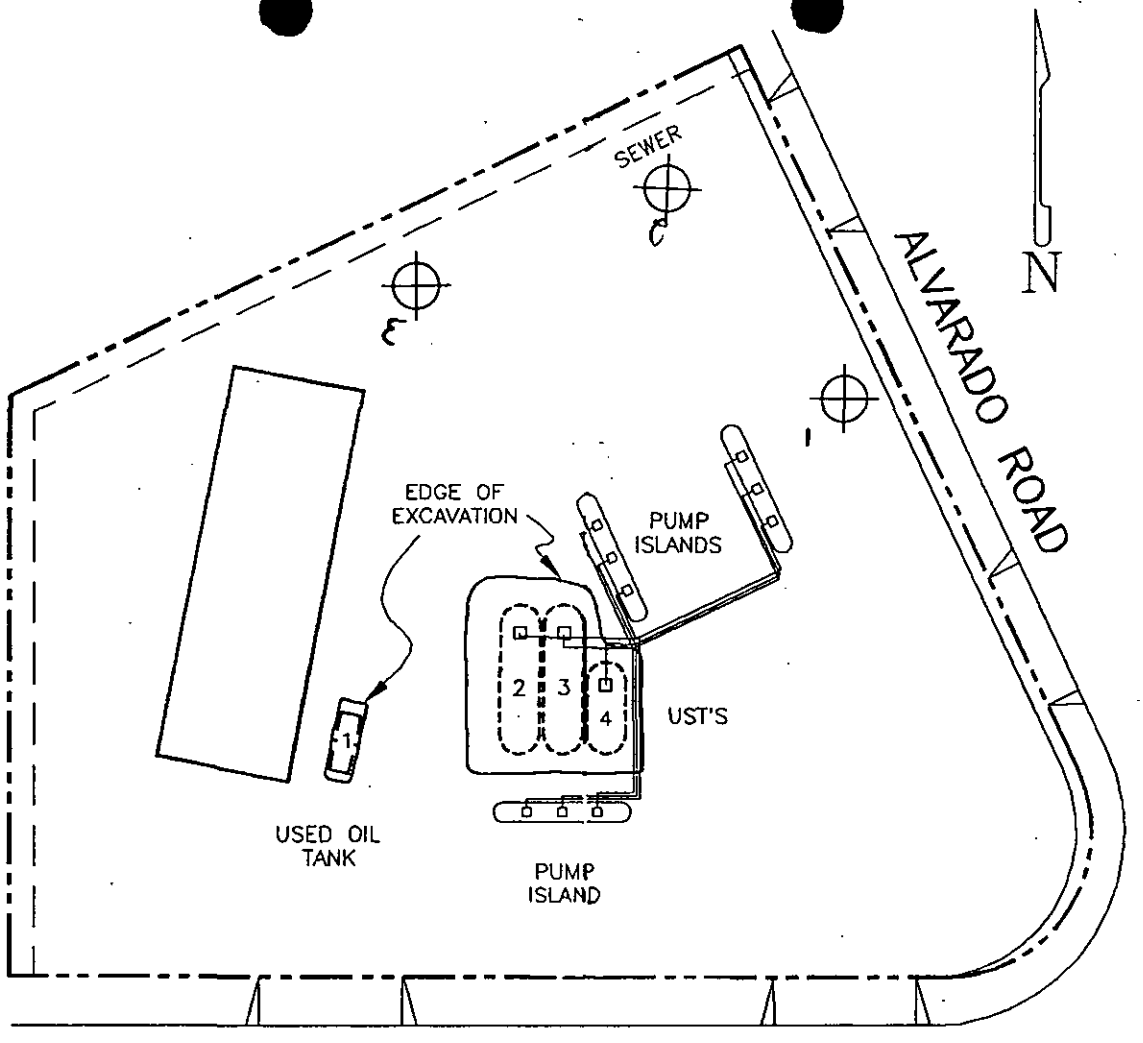
11. Are you proposing a variation from the methods and/or procedures presented in the Requirements for the construction of vadose and Ground Water Monitoring Wells (dated January 1992) If yes, specify these variations? No.

12. What procedures will be used to insure no contamination will be introduced by the drilling equipment? Prior to drilling, the drill rig will be inspected for oil leaks, and clean/repaired, if needed. Steel casing, rotary rods, bits and associated equipment will be steam cleaned between borings.

13. What methods will be used to clean sampling equipment? Equipment will be cleaned with TSP and three bucket wash between sampling episodes.

14. What cleaning method will be used to clean casing and screen prior to installation?

All screen and casing are prewashed by the manufacturer.



COMANCHE DRIVE

-PROPOSED MONITORING WELLS

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL BUILDING, UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525–ASI

DRAFTED 11/8/91

SS No. 9- 3521

CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
023401525

SITE PLAN

FIGURE 2

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

June 1, 1992

Mr. Kevin Heaton
Hydrogeologist
County of San Diego
Department of Health Services
Hazardous Materials Management Division
P.O Box 85261
San Diego, California 92138-5261

RE: **30-DAY REPORT**

SITE: **Former Chevron Service Station No. 9-3521**
7651 Alvarado Road, La Mesa, California 92041
APN No. 470-020-12
HMMD No. H12687; W92595

Dear Mr. Heaton:

On March 27, 1992, wells MW1, MW2, and MW3 were drilled and installed at the former Chevron La Mesa site (Fig. 1 and 2). The monitoring wells were installed to evaluate the shallow groundwater at the site. Well logs are attached. Groundwater was encountered between 6.5 to 11.5 feet below grade.

Soil samples were collected and analyzed for benzene, toluene, ethyl-benzene, and xylenes (BTEX) and total petroleum hydrocarbons as gasoline (TPH_g) by modified EPA method 8020/8015. Analytical results are included in the attached laboratory reports.

Groundwater samples were collected and analyzed for BTEX and TPH_g by modified EPA methods 602/8020/8015. Analytical results are included in the attached laboratory reports.

Should you have any questions concerning this letter, please contact the undersigned at (619) 453-8415.

Respectfully submitted,
Groundwater Technology, Inc.

Jim Molesworth
Geologist

Gary Pischke
Hydrogeologist
RG 4083 CEG 1501

GP/nb
attachments



SOURCE: USGS TOPO QUAD LA MESA, CA. 1975

N

0 2000 4000

FEET

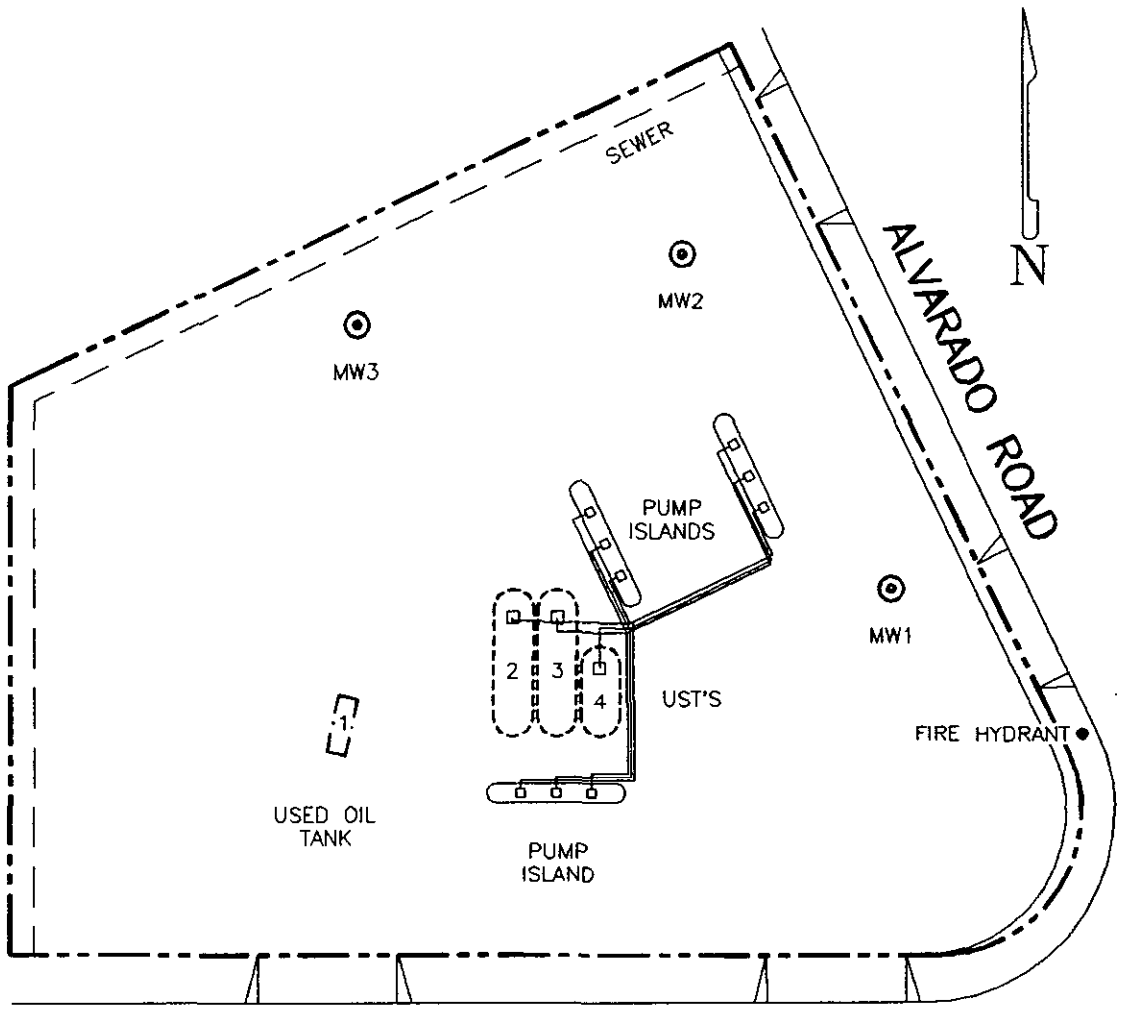
CHEVRON/LA MESA

SS NO. 9-3521

GROUNDWATER TECHNOLOGY, INC.

SITE LOCATION MAP

FIGURE 1



LEGEND

◉ MONITORING WELL

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL BUILDIING, UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
3. FIRE HYDRANT = BENCHMARK – RELATIVE ELEVATION 100.00'.

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-AS1

DRAFTED 06/01/92

SS No. 9-3521

CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

SITE PLAN

FIGURE 2

Drilling Log

GROUNDWATER TECHNOLOGY

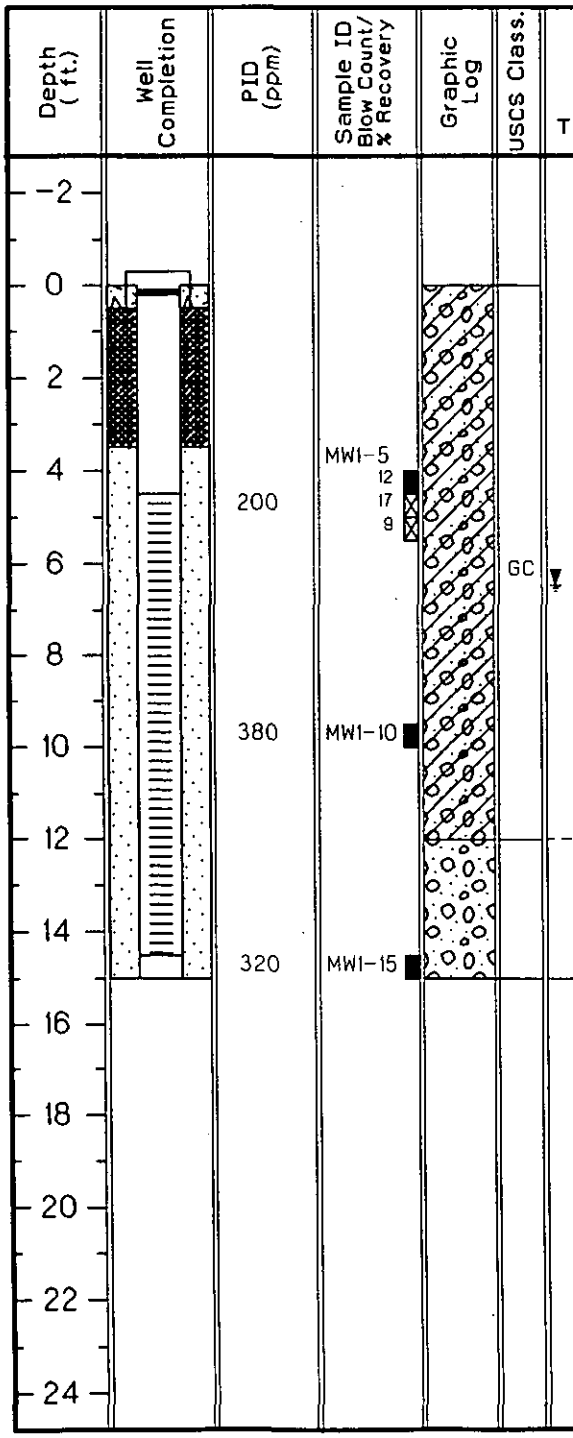
Monitoring Well **MW1**

Project *Chevron / La Mesa* Owner *Chevron U.S.A. Products Company*
Location *7651 Alvarado Rd., La Mesa* Project No. *023402346* Date drilled *3/27/92*
Surface Elev. _____ Total Hole Depth *15 ft.* Diameter *0.8 ft.*
Top of Casing *96.07 ft.* Water Level Initial _____ Static *6.46 ft.*
Screen: Dia *4 in.* Length *10 ft.* Type/Size *.020 in.*
Casing: Dia *4 in.* Length *4.5 ft.* Type *Schedule 40 PVC*
Filter Pack Material *#3 lapis lustre* Rig/Core Type *Mobil B61 HDX*
Drilling Company *H.E.M.C. Environmental* Method *Hollow Stem Auger* Permit # *W92595*
Driller *Alan Luther* Log By *Jim Molesworth*
Checked By *Gary Pischke* License No. *CEG 1501*

See Site Map For Boring Location

COMMENTS:

Static water level is measured from top of casing.



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

Dark gray clayey gravel with some silt, very moist, no hydrocarbon odor.

Same as above.

Same as above. No recovery with split spoon sampler. Grab sample collected.

Decrease in drilling rate, increase in cobbles.
Stadium Conglomerate.

Orange/brown COBBLE CONGLOMERATE with clay and silt matrix.

End of boring, installed monitoring well.

Drilling Log

GROUNDWATER TECHNOLOGY

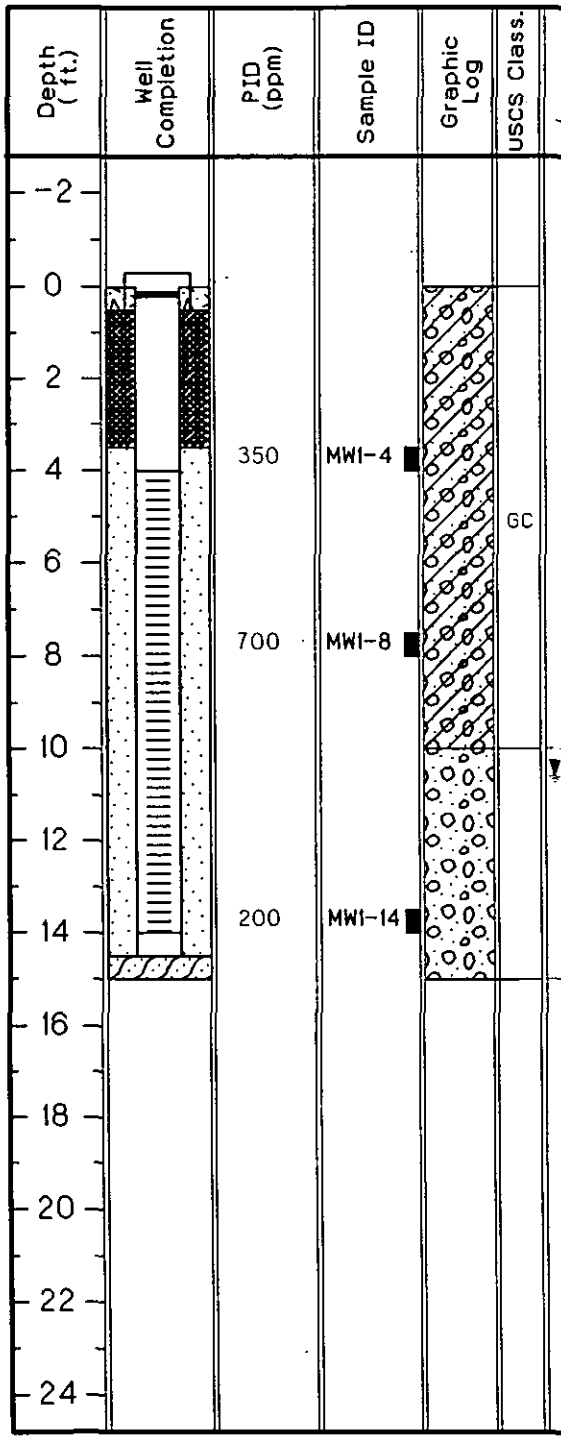
Monitoring Well **MW2**

Project *Chevron / La Mesa* Owner *Chevron U.S.A. Products Company*
Location *7651 Alvarado Rd., La Mesa* Project No. *023402346* Date drilled *3/27/92*
Surface Elev. _____ Total Hole Depth *15 ft.* Diameter *0.8 ft.*
Top of Casing *94.35 ft.* Water Level Initial _____ Static *10.61 ft.*
Screen: Dia *4 in.* Length *10 ft.* Type/Size *.020 in.*
Casing: Dia *4 in.* Length *4 ft.* Type *Schedule 40 PVC*
Filter Pack Material *#3 lapis lustre* Rig/Core Type *Mobil B61 HDX*
Drilling Company *H.E.M.C. Environmental* Method *Hollow Stem Auger* Permit # *W92595*
Driller *Alan Luther* Log By *Jim Molesworth*
Checked By *Gary Pischke* License No. *CEG 1501*

See Site Map For Boring Location

COMMENTS:

Static water level is measured from top of casing.



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

Dark gray clayey gravel with some silt, very moist, moderate hydrocarbon odor.

Same as above. Grab sample collected.

Same as above. Grab sample collected.

Decrease in drilling rate, increase in cobbles.
Stadium Conglomerate.

Light gray to brown, COBBLE CONGLOMERATE with clay and silt matrix.
One foot of slough at bottom of boring.

End of boring, installed monitoring well.

Drilling Log

GROUNDWATER TECHNOLOGY

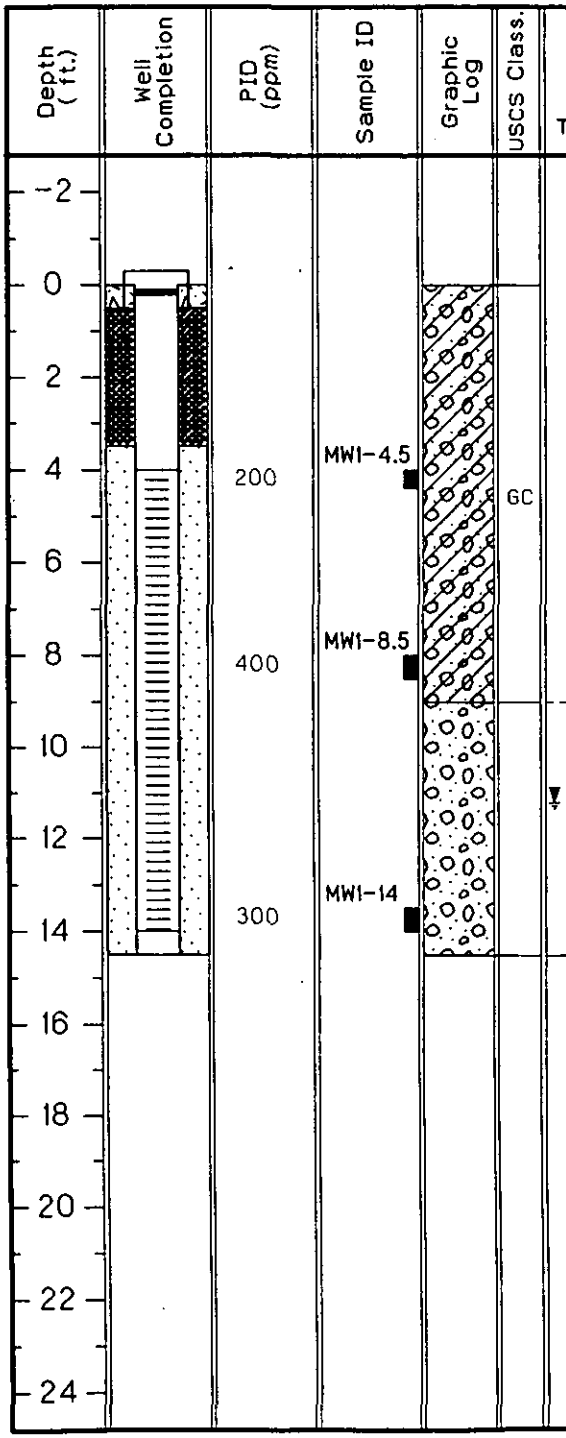
Monitoring Well **MW3**

Project *Chevron / La Mesa* Owner *Chevron U.S.A. Products Company*
Location *7651 Alvarado Rd., La Mesa* Project No. *023402346* Date drilled *3/27/92*
Surface Elev. _____ Total Hole Depth *14.5 ft.* Diameter *0.8 ft.*
Top of Casing *98.27 ft.* Water Level Initial _____ Static *11.22 ft.*
Screen: Dia *4 in.* Length *10 ft.* Type/Size *.020 in.*
Casing: Dia *4 in.* Length *4 ft.* Type *Schedule 40 PVC*
Filter Pack Material *#3 lapis lustre* Rig/Core Type *Mobil B61 HDX*
Drilling Company *H.E.M.C. Environmental* Method *Hollow Stem Auger* Permit # *W92595*
Driller *Alan Luther* Log By *Jim Molesworth*
Checked By *Gary Pischke* License No. *CEG 1501*

See Site Map For Boring Location

COMMENTS:

Static water level is measured from top of casing.



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

Dark gray clayey gravel with some silt, very moist, no hydrocarbon odor.

Same as above. Grab sample collected.

Same as above. Grab sample collected.

Decrease in drilling rate, increase in cobbles. Stadium Conglomerate.

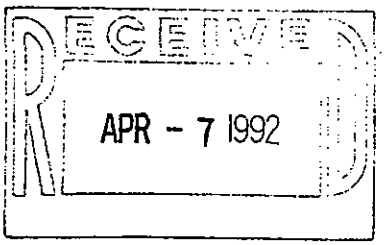
Light gray to brown, COBBLE CONGLOMERATE with clay and silt matrix.

End of boring, installed monitoring well.

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite B
San Diego, CA 92121

Dear Mr Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 3/28/92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		1A	2A	3A	4A
Client Identification		MW1-5	MW1-10	MW2-4	MW2-8
Date Sampled		3/27/92	3/27/92	3/27/92	3/27/92
Date Extracted		3/30/92	3/30/92	3/30/92	3/30/92
Date Analyzed		3/31/92	4/1/92	3/31/92	3/31/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	0.006	0.039	0.14
Toluene	0.005	<0.005	0.008	<0.005	0.13
Ethyl Benzene	0.005	<0.005	0.005	0.026	1.5
Xylene (total)	0.015	<0.015	0.019	0.028	0.74
BTEX (total)	-	--	0.038	0.093	2.5
TPH as Gasoline	10	<10	<10	<10	65

GTEL Sample Number		5A	6A		
Client Identification		MW3-4	MW3-8.5		
Date Sampled		3/27/92	3/27/92		
Date Extracted		3/30/92	3/30/92		
Date Analyzed		3/31/92	3/31/92		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	0.064		
Toluene	0.005	<0.005	0.014		
Ethyl Benzene	0.005	<0.005	0.30		
Xylene (total)	0.015	<0.015	0.90		
BTEX (total)	-	--	1.3		
TPH as Gasoline	10	<10	31		

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A-6A Date of Analysis: 3/31/92-4/1/92

1.0 Blanks

0 of 4 target compounds were found in Reagent blank and gasoline was below detection limit as shown in Table 2.

2.0 *Independent QC Check Sample*

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 3/31/92

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 3/31/92

Analyte	Expected Result, mg/Kg	Observed Result, mg/Kg	Recovery, %	Acceptability Limits, %[a]
Benzene	150	155	103	75.1-113
Toluene	150	161	107	73.1-121
Ethyl Benzene	150	166	111	70.5-128
Xylene (total)	450	492	109	67.8-140

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	F-0012	Ultra Scientific
Toluene	F-0012	Ultra Scientific
Ethyl Benzene	F-0012	Ultra Scientific
Xylene (total)	F-0012	Ultra Scientific

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, mg/Kg	Surrogate Result, mg/Kg	Surrogate Recovery, %
Blank	100	100	100
1A	100	92.4	92.4
2A	100	100	100
3A	100	76.3	76.3
4A	100	100	100
5A	100	85.1	85.1
6A	100	100	100
SD	100	96.3	96.3
MS	100	98.1	98.1

SD *Sample Duplicate*
MS Matrix Spike Sample
a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 3/31/92 Reference: T203921
Sample Spiked: 1A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	0.940	55.0	30.9-88.4
Toluene	<0.005	1.71	0.907	53.0	29.3-95.3
Ethyl Benzene	<0.005	1.71	0.971	56.8	33.2-106
Xylene (total)	<0.015	5.13	2.99	58.3	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
< # Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 3/31/92 Reference: T203921
Sample Used: 1A Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	NA	30
Toluene	<0.005	<0.005	NA	30
Ethyl Benzene	<0.005	<0.005	NA	30
Xylene (total)	<0.015	<0.015	NA	30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chev La Mesa
PROJECT I.D. No. 12340-2346
CONSULTANT NAME Groundwater Technology
ADDRESS 9940 Mesa Rim Road, San Diego
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) Ruben Avilez
(PHONE) (310) 694-7304

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW18860
COLLECTED BY (NAME) Jim Molesworth
(SIGNATURE)
COLLECTION DATE 3-27-92

CHAIN-OF-CUSTODY RECORD

5
40C
T2-03-92-1

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
MW1-3	1A	1	X		X		3-27	8:53		1	X		X							
MW1-10	2A							9:08		1	X		X							
MW1-5								9:22		1										hold 1A
MW2-4	3A							11:52		1	X		X							
MW2-8	4A							12:05		1	X		X							
MW2-14								12:26		1										hold 2A
MW3-4	5A							1:52		1	X		X							
MW3-8.5	6A							2:05		1	X		X							
MW3-14								2:15		1										hold 3A
[illegible]																				

ANALYSES TO BE PERFORMED

Samples on 922 hold to be run (possibly) pending results from the other samples

922 REMARKS

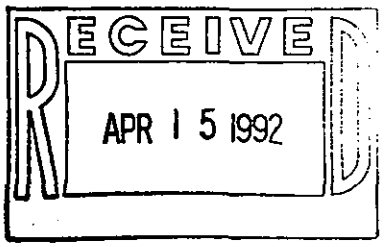
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	GTI	3/27/92 4:45	Fedex 214595 2513		
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 3-28-92 9:15

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite #B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-7-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		1A	2A		
Client Identification		MW2-14	MW3-14		
Date Sampled		3-27-92	3-27-92		
Date Extracted		4-8-92	4-8-92		
Date Analyzed		4-8-92	4-9-92		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005		
Toluene	0.005	<0.005	<0.005		
Ethyl Benzene	0.005	0.016	<0.005		
Xylene (total)	0.015	0.020	0.025		
BTEX (total)	-	0.036	0.025		
TPH as Gasoline	10	<10	<10		

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A-2A Date of Analysis: 4/8-9/92

1.0 Blanks

0 of 4 target compounds were found in Reagent blank and gasoline was below detection limit as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-9-92

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-8-92

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[a]
Benzene	150	137	91.3	75.1-113
Toluene	150	142	94.7	73.1-121
Ethyl Benzene	150	144	96.0	70.5-128
Xylene (total)	450	434	96.4	67.8-140

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	F-0012	Ultra Scientific
Toluene	F-0012	Ultra Scientific
Ethyl Benzene	F-0012	Ultra Scientific
Xylene (total)	F-0012	Ultra Scientific

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
1A	100	100	100
2A	100	96.3	96.3

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-9-92 Reference: T204077
Sample Spiked: 5A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	0.647	37.8	30.9-88.4
Toluene	<0.005	1.71	0.633	37.0	29.3-95.3
Ethyl Benzene	<0.005	1.71	0.680	39.8	33.2-106
Xylene (total)	<0.015	5.13	2.10	40.9	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-9-92 Reference: T204077
Sample Used: 5A Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	NA	30
Toluene	<0.005	<0.005	NA	30
Ethyl Benzene	<0.005	<0.005	NA	30
Xylene (total)	<0.015	<0.015	NA	30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

04/07/92 14:30 ☎619 453 2688 GROUNDWATER TECH → GTEL TORRANCE 002/002

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME Chev La Mesa
PROJECT I.D. No. 02340-2346
CONSULTANT NAME Groundwater Technology
ADDRESS 9940 Mesa Rim Road, San Diego
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) Ruben Avilez
(PHONE) (310) 694-7304

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW18860
COLLECTED BY (NAME) Jim Molesworth
(SIGNATURE) [signature]
COLLECTION DATE 3-27-92

CHAIN-OF-CUSTODY RECORD

Ref #6 1st Shelf
T203922

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
MW1-5		1	X		X		3-27	8:53		1		X		X							T2-04-085
MW1-10		↓	↓		↓		↓	9:08		1		X		X							
MW1-15		↓	↓		↓		↓	9:22		1											hold
MW2-4		↓	↓		↓		↓	11:52		1		X		X							
MW2-8		↓	↓		↓		↓	12:05		1		X		X							
MW2-14		↓	↓		↓		↓	12:26		1		X		X							← hold RUN
MW3-4		↓	↓		↓		↓	1:52		1		X		X							Bl 04/07/92
MW3-8.5		↓	↓		↓		↓	2:05		1		X		X							
MW3-14		↓	↓		↓		↓	2:15		1		X		X							← hold RUN
~~[illegible]~~																					Bl 04/07/92
																					10 DAY T.A.T
																					Bill [signature]

(MS/MSD as per Bill Lines 4/7/92)

Samples on hold to be run (possibly) pending res[illegible] from the other samples

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	GTI	3/27/92 4:45	Fedex 2145952513		
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			Elaine R. Thomas		3/28/92

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

RECEIVED
APR 16 1992

Mr. Bill Lines
Groundwater Technology Inc.
9940 Mesa Rim Rd, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-8-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602[a]/8020/8015[b]

GTEL Sample Number		1A	2A	3A	4A
Client Identification		MW-1	MW-2	MW-3	TB
Date Sampled		4-8-92	4-8-92	4-8-92	4-8-92
Date Analyzed		4-9-92	4-9-92	4-9-92	4-9-92
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	<0.3	48	28	<0.3
Toluene	0.3	<0.3	13	5.1	<0.3
Ethyl Benzene	0.3	<0.3	4.6	320	<0.3
Xylene (total)	0.6	<0.6	17	640	4.7
BTEX (total)	-	--	83	990	4.7
TPH as Gasoline	100	<100	800	21000	<100

a 40 CFR, Part 136, Appendix A, 7-1-88 Edition, pp. 282-294
b Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA November 1986; Extraction by EPA Method 5030 (purge and trap); Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

GTEL Sample No. Range: 1A-4A Date of Analysis: 4-9-92

1.0 Blanks

0 of 4 target compounds were found in the Reagent blank and gasoline was below detection limit as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Matrix Spike Duplicate Precision

Relative percent difference (RPD) criterion was met for 4 of 4 compounds in the matrix spike duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Date of Analysis: 4-9-92

Analyte	Concentration, ug/L
Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Xylene (total)	<0.6
TPH as Gasoline	<100

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Date of Analysis: 4-9-92

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[a]
Benzene	150	164	109	75.1-113
Toluene	150	176	117	73.1-121
Ethyl Benzene	150	185	123	70.5-128
Xylene (total)	450	555	123	67.8-140

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Analyte	Lot Number	Source
Benzene	F-0012	Ultra Scientific
Toluene	F-0012	Ultra Scientific
Ethyl Benzene	F-0012	Ultra Scientific
Xylene (total)	F-0012	Ultra Scientific

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
1A	100	114	114
2A	100	109	109
3A	100	272	272*
4A	100	74.4	74.4
MS	100	123	123
MSD	100	114	114

MS Matrix Spike Sample
MSD Matrix Spike Duplicate Sample
a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.
* Matrix effect

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Date of Analysis: 4-9-92
Sample Spiked: Water
Reference: T204120
Units: ug/L

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.3	150	150	100	59.1-114
Toluene	<0.3	150	161	107	67.8-112
Ethyl Benzene	<0.3	150	168	112	61.7-138
Xylene (total)	<0.6	450	504	112	71.0-126

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY MATRIX SPIKE DUPLICATE PERCENT RECOVERY
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Date of Analysis: 4-9-92
Sample Used: Water
Reference: T204120

Analyte	MS % Recovery	MSD % Recovery	RPD, %	Maximum RPD, %
Benzene	109	100	8.61	30
Toluene	117	107	8.93	30
Ethyl Benzene	123	112	9.36	30
Xylene (total)	123	112	9.36	30

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHV / LA MESA
PROJECT I.D. No. 023402346
CONSULTANT NAME G.T. Inc.
ADDRESS 9940 MESA RIM, SUITE B
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453-1415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) RUBEN AVILEZ
(PHONE) (310) 694 7204

LABORATORY NAME GTEL TORRANCE
CONTRACT NUMBER M16CSW18860
COLLECTED BY (NAME) DOMINIC SMITH
(SIGNATURE) Dominic Smith
COLLECTION DATE 4/8/92

CHAIN-OF-CUSTODY RECORD

6°C S.
T204/120

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	~~DATE~~ TIME	~~TIME~~ DATE	ACIDIFIED	ICED	ANALYSES TO BE PERFORMED: MODIFIED EPA 8015 / 8020 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
MW-1	-	2		✓	✓		1:20	4/8/92	✓	✓	✓									
MW-2	2	2		✓	✓		1:10		✓	✓	✓									
MW-3	3	2		✓	✓		1:25		✓	✓	✓									
TB	4	2		✓	✓		1:00	↓	✓	✓	✓									

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Dominic Smith	GTI	4/8/92 2:00	Bell Jow	GTEL Mob Labs	4/8/92 1400
Bell Jow	GTEL Mob Labs	4/8/92 2005			
			RECEIVED FOR LABORATORY BY (Signature)		4/8/92 8:05PM

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

CC.

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

December 30, 1996

Mr. Mike Bauer
Chevron USA Products Company
P.O. Box 2833
La Habra, CA 90632-2833

Dear Mr. Bauer:

MONITORING WELL COMPLIANCE INSPECTION
7651 Alvarado Blvd.
A.P.N. [illegible] / 470-020-12 PERMIT #W93952 EST. #H12687

On December 23, 1996, staff of the Department of Environmental Health (DEH), Site Assessment and Mitigation Division (SAM) inspected the above-referenced site for compliance to monitoring well standards.

Although no significant violations were found, staff observed the following deficiencies:

1) The interior well cap on MW 4 is loose. The cap must be secured to prevent the entry of contaminants which may further degrade the quality of the groundwater below, and to avoid an Official Notice in the future.

2) The well cover of MW 3 has one frozen bolt. Well covers should be secured, but still accessible for inspection.

Poorly maintained wells are considered a nuisance as defined in San Diego County Code Section (SDCCS) 67.430 & 67.431.

NO VIOLATIONS WERE FOUND AT THIS TIME. Please retain a copy of the inspection form for your records.

Thank you for your cooperation. If I can be of further assistance, please feel free to contact me at (619) 338-2492.

Sincerely,

CLAY CLIFTON, Environmental Health Technician
Site Assessment and Mitigation Division

CC:jw

Enclosure

cc: Kyle S. Rheubottom

WP/ALVARAD.WEL

PERMIT # W93952

A.P.N. # 470-020-12

EST # H12687

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: CHEVRON ALVARADO

SITE ADDRESS: 7651 ALVARADO ROAD, LA MESA, CA 92040

PERMIT FOR: 3 GROUND WATER MONITORING WELLS

PERMIT APPROVAL DATE: 12/22/93

PERMIT EXPIRES ON: 4/20/94

PERMIT CONDITIONS:

1. The wells shall be constructed with the well screen extending no deeper than 5 feet in the saturated zone.

2. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

3. All wash water must be contained and disposed of properly.

4. Submit complete laboratory data for both soil and groundwater with the well logs.

5. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

6. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

7. This office must be given 48 hour notice of any drilling activity on this site. Please contact Edward Sanko at (619)338-2339.

8. This office must be given advanced notification of drilling cancellation. Please contact Edward Sanko at (619)338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R. Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: Mary Peters DATE: 12/22/93

Notified: 12/22/93

PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

ASSESSORS PARCEL NO.	PROPOSED DRILLING DATE	NO. OF WELLS TO CONSTRUCT/DESTROY
417 0 – 02 0 – 11 &	Dec. 1993	three

SITE NAME: Chv. Alvarado

SITE ADDRESS STREET	CITY	ZIP
7651 Alvarado Road	La Mesa, CA.	92040

PROPERTY OWNER (NAME)	PHONE NO.
Chevron U.S.A. Products Company	(310) 694-7969

MAILING ADDRESS STREET	CITY	ZIP
P.O. Box 2833	La Habra, CA.	90632-2833

DRILLER(NAME)	LICENSE NO.	PHONE NO.
A & R Drilling, Inc.	C57 # 492082	(310) 768-1638

MAILING ADDRESS STREET	CITY	ZIP
16659 S. Gramercy Place	Gardena	90247

REGISTERED GEOLOGIST/ENGINEERING GEOLOGIST/CIVIL ENGINEER (RG/CEG/PCE)	REG #	PHONE NO.
Kyle Rhenbottom	RG 5100	(619) 453-8415

MAILING ADDRESS STREET	CITY	ZIP
9940 Mesa Rim Rd. Suite B	San Diego, CA	92121

BOND POSTED BY DRILLER: [X] YES [ ] NO

TYPE OF WELL: [X] GROUND WATER [ ] BORING [ ] VADOSE [ ] OTHER

DRILLING METHOD: [X] AUGER [ ] AIR ROTARY [ ] MUD ROTARY [ ] PERCUSSION [ ] OTHER

MATERIALS USED

CASING TAIL

TYPE PVC [ ] CEMENT

GAUGE Sch 80 [ ] CEMENT & BENTONITE

DIAMETER 4" [ ] OTHER

WELL SCREEN SIZE 0.020"

FILTER PACK Specify #3 Sand

PROPOSED CONSTRUCTION

Estimated ground water depth ____ ft

CEMENT SEAL	0'	TO	2'
BENTONITE SEAL	2'	TO	4'
FILTER PACK	4'	TO	16'
PERFORATION	5'	TO	15'

NOTE: For wells with multiple completion attach a well construction diagram

I hereby agree to comply with all regulations of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

DRILLER SIGNATURE _____ DATE _____

Within 30 days of well completion, I will furnish the Department of Health Services with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application.

RG/CEG/PCE SIGNATURE RG # 5100 DATE 11-23-93

DISPOSITION OF APPLICATION [✓] APPROVED [ ] DENIED

CONDITIONS Refer to attached conditions

HEALTH OFFICER Mary Peters DATE 12/22/93

OFFICE USE ONLY

NUMBER OF WELLS TO BE CONSTRUCTED 3 X $150.00 = $ 450.00 AMOUNT DUE ESTABLISHMENT W9352

CHECK NO. 7 DATE 11/23/93 PROCESSED BY EBF PERMIT # H12687

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
DHS/HM-6000 (11/92)

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA. 92186-5261 (619) 338-2222

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

November 23, 1993

Mr. Kevin Heaton
Hydrogeologist
San Diego County,
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92138-5261

Post-it™ brand fax transmittal memo 7671 | # of pages ▸

To Mary Peters	From Jim Molesworth
Co. San Diego SAM	Co. GTI
Dept.	Phone # 453 8415
Fax # 338-2377	Fax # 453-2668

RE: **PERMIT REQUEST**
CHEVRON/ALVARADO STATION NO. 9-3521
7651 ALVARADO ROAD, LA MESA, CA 92040
APN#470-020-12
Control# H12687

Dear Mr. Heaton:

Groundwater Technology, Inc. requests approval of the attached permit to drill and install three new groundwater monitoring wells, at the above site (Figures 1 and 2). The wells will be used to define the extent of shallow groundwater encountered in the wells. The wells will be completed as described in the permit application. The permit checks totaling $450.00 for the three wells are attached.

If you have any questions, please contact me at (619) 453-8415.

Respectfully submitted,

Groundwater Technology, Inc.
Written/Submitted by

Peter J. Gwieka
Environmental Scientist

Groundwater Technology, Inc.
Reviewed/Approved by

Kyle Rheubottom
Senior Geologist
RG 5100

Attachments: Figures, Permit Checks,
Permit Application and supplement

cc: Jeffrey E. Cole, Chevron U.S.A. Products Co.

023403801
3801PMT2.16

PERMIT APPLICATION SUPPLEMENT
GROUND WATER AND VADOSE MONITORING WELLS

1. Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.

2. Provide verification of a well Drilling C-57 license.

3. Provide a plot plan giving location of existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.

4. What is the proposed purpose of the well? Investigate the possible presseuce of hydrocarbons in the soil/groundwater.

5. What procedures will be used to prevent the well from providing an avenue to contamination during construction?
The well will be constructed by placing the casing through the hollow-stem auger during construction.

6. What field procedures will be utilized to determine if contamination exists?
Soil samples will be field-screened using a photoionization detector.

7. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
Field screening of the soil samples using photoionization detector.

8. What constituents will be monitored and tested?
Total screening of the soil samples using photoionization detector.
Subsequent samples will be tested for BTEX and TPH as per SA/M Manual.

9. How will samples be transported and preserved? The samples will be placed on ice in an ice chest and transported with a chain of custody.

10. What sampling methods will be used?

HSA/Split spoon sampler.

11. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (dated January 1992). If yes, specify these variations.

No.

12. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

The augers will be steam-cleaned prior to initiating drilling.

13. What methods will be used to clean sampling equipment? The sample rings will be washed with a degreaser and watermix, rinsed in tap water, and rinsed in distilled water.

14. What cleaning method will be used to clean casing and screen prior to installation?

Only new, factory-sealed casing will be used for the wells.

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121 USA
Tel: (619) 453-8415

RECEIVED
FEB 28 11 50 AM '94
ENVIRONMENTAL HEALTH SERVICES

Pe30
2/28/94
KML

February 25, 1994

Mr. Kevin Heaton
Hydrogeologist
County of San Diego (SAM)
P.O Box 85261
San Diego, CA 92138-5261

RE: 30-DAY REPORT
FORMER CHEVRON SERVICE STATION No. 9-3521
7651 ALVARADO ROAD, LA MESA, CALIFORNIA 92041
APN #470-020-12
HMMD # H12687
PERMIT # W93952

Dear Mr. Heaton:

On December 28, 1993, wells MW4 and MW5 were drilled and installed at the above site (Figures 1 and 2). The monitoring wells were installed to evaluate the shallow groundwater downgradient from the site. Three wells were permitted; but due to drill refusal, only two wells were installed. Well and boring logs are attached.

Soil samples were collected and analyzed for total petroleum hydrocarbons as gasoline (TPH_g) and benzene, toluene, ethyl-benzene, and xylenes (BTEX) by EPA Modified Methods 8015 and 8020. Analytical results are included in the attached laboratory reports. Groundwater samples will be collected during the quarterly monitoring and sampling episode.

If you have any questions, please contact Jim Molesworth at (619) 453-8415.

Respectfully submitted,

Groundwater Technology, Inc.
Written/Submitted by

FOR
James L. Molesworth
Geologist

Groundwater Technology, Inc.
Reviewed/Approved by

Kyle Rheubottom, R.G.
Operations Manager

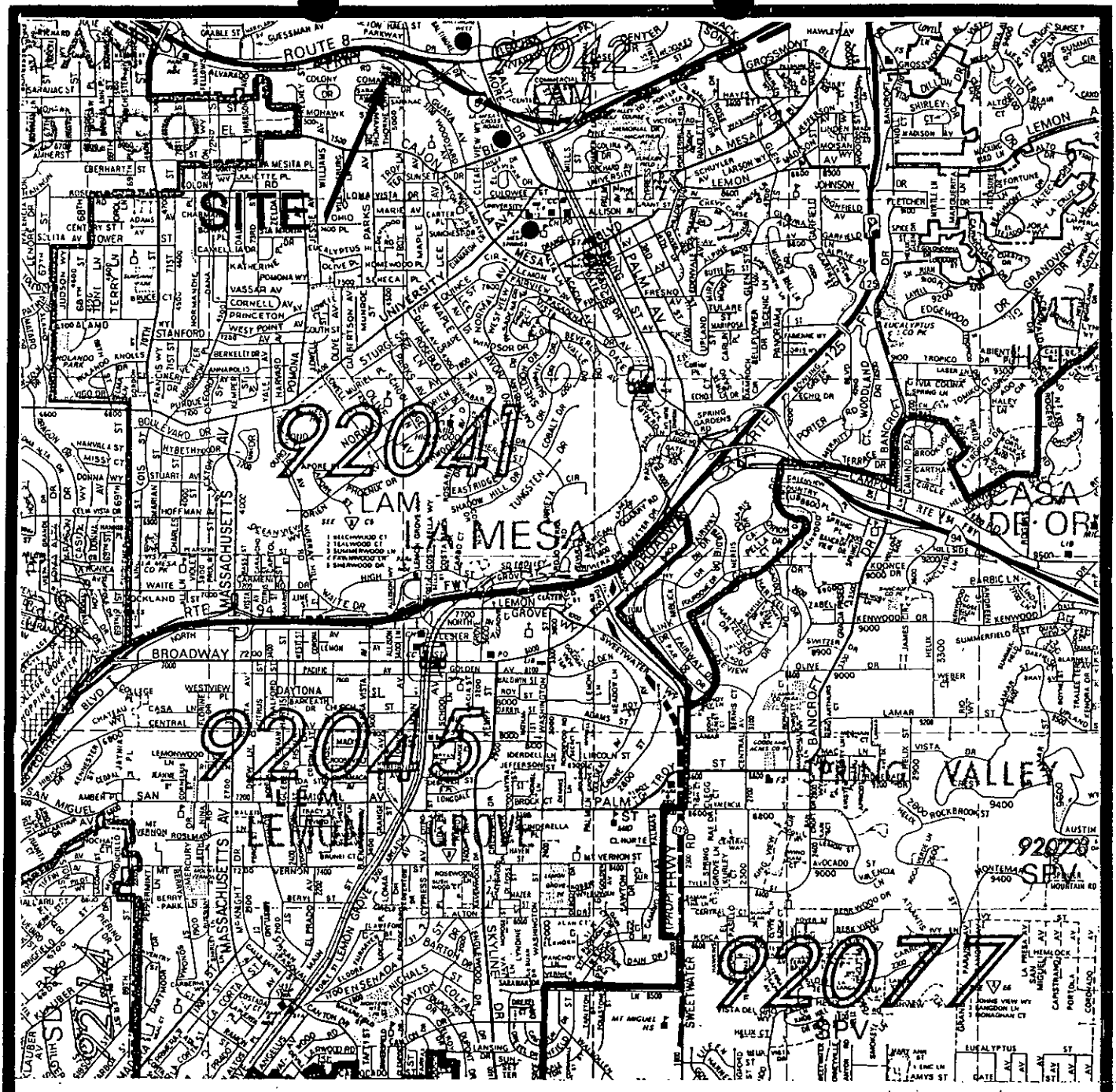
REGISTERED GEOLOGIST
KYLE RHEUBOTTOM No. 5100
STATE OF CALIFORNIA

JLM/ke

Attachments: Figures; Well logs; Laboratory reports

cc: Jeff Cole, Chevron USA Products Company

023404779
4779R-01.18/#1



SOURCE: THOMAS BROS. SAN DIEGO, CA. 1990

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0 1/2 1

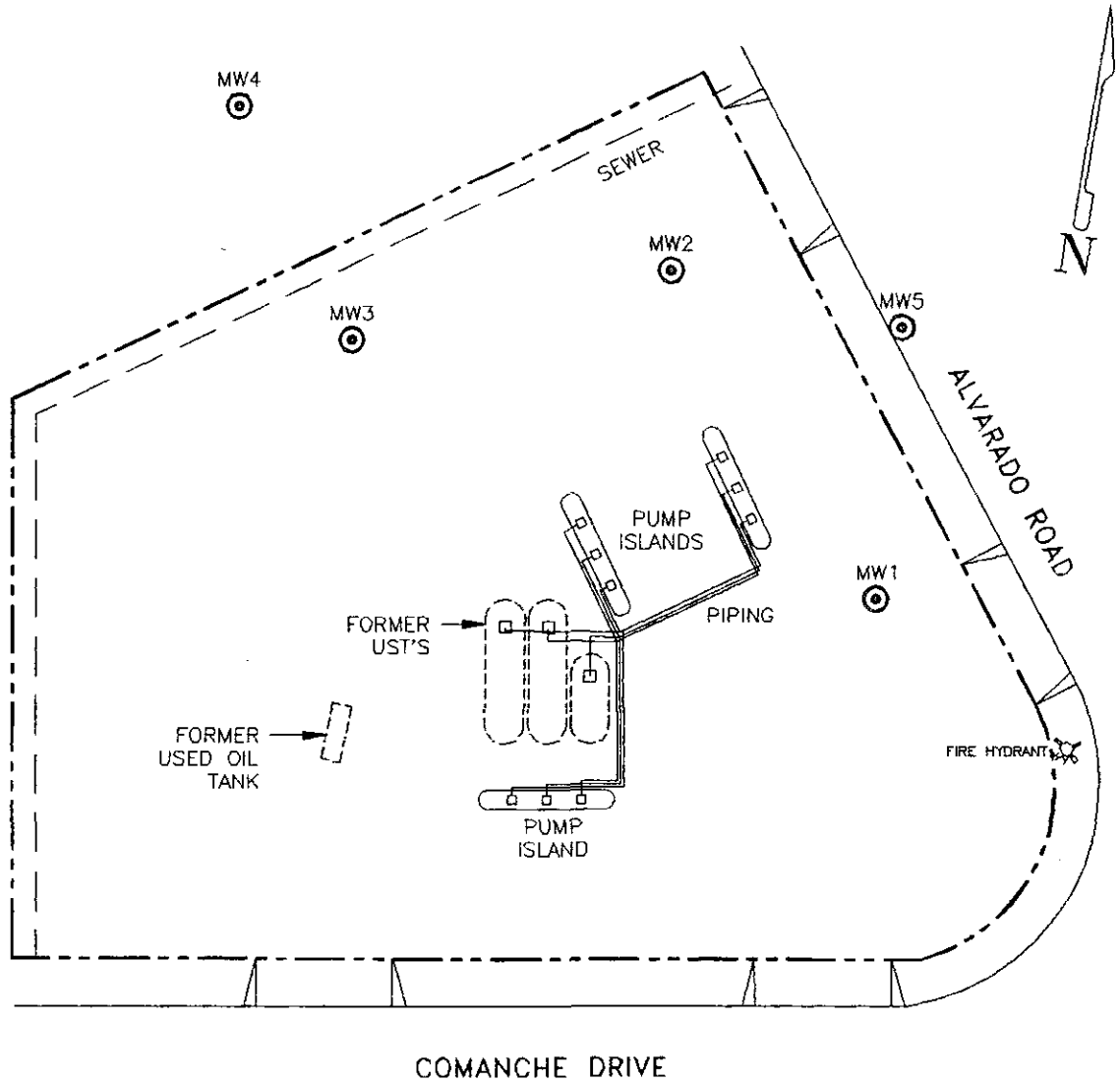
MILE

GROUNDWATER TECHNOLOGY, INC.

CHEVRON/ALVARADO

SITE LOCATION MAP

FIGURE 1



EXPLANATION

MW*
MONITORING WELL

0 40 80

APPROX. SCALE IN FEET

NOTES:

1. DRAWING ADAPTED FROM CHEVRON GROUND & GRADE, 04/10/72.
2. LOCATIONS FOR WELLS MW4 AND MW5 FROM LAND TECHNOLOGY SURVEY, 2/94.

GROUNDWATER TECHNOLOGY, INC.

1525-AS2

DRAFTED 02/18/94

FORMER SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
023402346

SITE PLAN

FIGURE 2

UNIFIED SOIL CLASSIFICATION SYSTEM

CLASSIFICATION CHART

MAJOR DIVISIONS		SYMBOLS	TYPICAL NAMES	GTGS FILL PATTERN
COARSE GRAINED SOILS OVER 50% >No.200 SIEVE SIZE	GRAVELS MORE THAN 1/2 OF COARSE FRACTION > NO.4 SIEVE SIZE	GW	Well graded gravels or gravel-sand mixtures, little or no fines	26
		GP	Poorly graded gravels or gravel-sand mixtures, little or no fines	25
		GM	Silty gravels, gravel-sand mixtures	26-11
		GC	Clayey gravels, gravel-sand-clay mixtures	26-14
	SANDS MORE THAN 1/2 OF COARSE FRACTION < NO.4 SIEVE SIZE	SW	Well graded sands or gravelly sands, little or no fines	8
		SP	Poorly graded sands or gravelly sands, little or no fines	6
		SM	Silty sands, sand-silt mixtures	9
		SC	Clayey sands, sand-clay mixtures	10
FINE GRAINED SOILS OVER 50% <No.200 SIEVE SIZE	SILTS & CLAYS LL<50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity	11
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	14
		OL	Organic silts andorganic silty clays of low plasticity	18
	SILTS & CLAYS LL>50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts	12
		CH	Inorganic clays of high plasticity, fat clays	15
		OH	Organic clays of medium to high plasticity, organic silty clays, organic silts	35
HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils	20

GRAIN SIZE CHART

CLASSIFICATION	RANGE OF GRAIN SIZES	
	U.S. Standard Sieve Size	Grain Size in Millimeters
BOULDERS	Above 12"	Above 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL COARSE FINE	3" to No.4 3" to 3/4" 3/4" to No.4	76.2 to 4.75 76.2 to 19.1 10.1 to 4.75
SAND COARSE MEDIUM FINE	No.4 to No.200 No.4 to No.10 No.10 to No.40 No.40 to No.200	4.75 to 0.074 4.78 to 2.00 2.00 to 0.420 0.420 to 0.074
SILT & CLAY	Below No.200	Below No.0.074

WELL CONSTRUCTION MATERIALS

- Asphalt
- Concrete
- Neat Cement
- Base Course
- Slurf
- Bentonite
- Filter Pack
- Pea Gravel
- Liner
- Geocloth

SCREENS

- Solid
- Slotted PVC
- Slotted PVC High Flow
- Wire Wound PVC
- Wire Wound Steel
- Saw Cut

SAMPLE TYPES

SS – Split Spoon
CC – Continuous Core
CG – Cuttings Grab

SYMBOLS

- Initial Water Level
- Static Water Level

GROUNDWATER TECHNOLOGY

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring **B1**

Project Chv/9-3521 Owner Chevron U.S.A. Products Company

Location 7651 Alvarado Rd., San Diego, CA Proj. No. 023404779

Surface Elev. ____ Total Hole Depth 10 ft. Diameter 10 in.

Top of Casing ____ Water Level Initial ____ Static ____

Screen: Dia ____ Length ____ Type/Size 0.020 in.

Casing: Dia ____ Length ____ Type SCH 40 PVC

Fill Material #3 Sand Rig/Core Mobile B61 HDX

Drill Co. A & R Drilling Method Hollow Stem Auger

Driller Mark Smith Log By Jim Molesworth Date 12/28/93 Permit # W93952

Checked By Kyle Rheubottom License No. RG 5100

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	HNU (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0		B1				0.0 to 4.0 ft. Sandy GRAVEL (GW): Fine to medium, silt, sand, rounded to subrounded, very dense, light brown, dry, no odor.
2						
4						
6		5			GW	5.0 ft. Sandy GRAVEL (GW): Fine to medium, silt, sand, very dense, light brown, dry, no odor. No recovery with split spoon sampler, grab sample off the augers.
8						
10						Drill refusal at 10 feet, backfill with bentonite and cap with concrete.
12						
14						
16						
18						
20						
22						
24						

Drilling Log

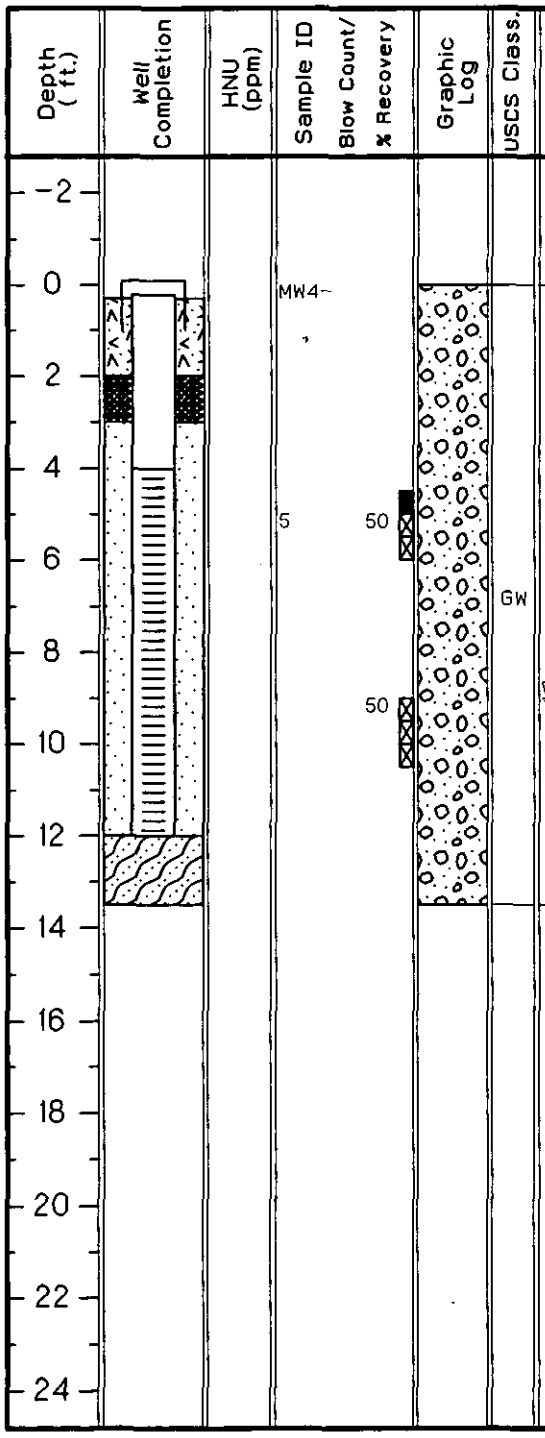
GROUNDWATER TECHNOLOGY

Monitoring Well **MW-4**

Project Chv/9-3521 Owner Chevron U.S.A. Products Company
Location 7651 Alvarado Rd., San Diego, CA Proj. No. 023404779
Surface Elev. ____ Total Hole Depth 13.5 ft. Diameter 10 in.
Top of Casing ____ Water Level Initial 9 ft. Static ____
Screen: Dia 4 in. Length 8 ft. Type/Size 0.020 in.
Casing: Dia 4 in. Length 4 ft. Type SCH 40 PVC
Fill Material #3 Sand Rig/Core Mobile B61 HDX
Drill Co. A & R Drilling Method Hollow Stem Auger
Driller Mark Smith Log By Jim Molesworth Date 12/28/93 Permit # W93952
Checked By Kyle Rheubottom License No. RG 5100

See Site Map For Boring Location

COMMENTS:



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

0.0 to 4.0 ft. **Sandy GRAVEL (GW):** Fine to medium, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.

5.0 ft. **Sandy GRAVEL (GW):** Fine to medium, pebble, cobble, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.

Encountered water at 9 feet. No recovery. Very dense.

Drill refusal at 12 feet with 10-inch augers.

Drill refusal at 13.5 feet with 8-inch augers.

Drilling Log

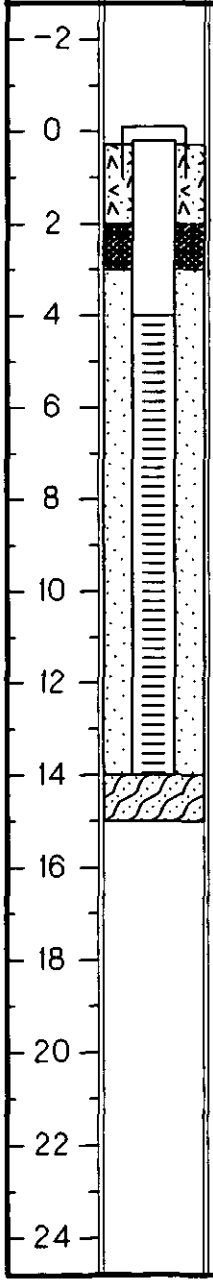
GROUNDWATER TECHNOLOGY

Monitoring Well **MW-5**

Project Chv/9-3521 Owner Chevron U.S.A. Products Company
Location 7651 Alvarado Rd., San Diego, CA Proj. No. 023404779
Surface Elev. ____ Total Hole Depth 15 ft. Diameter 10 in.
Top of Casing ____ Water Level Initial ____ Static ____
Screen: Dia 4 in. Length ____ Type/Size 0.020 in.
Casing: Dia 4 in. Length ____ Type SCH 40 PVC
Fill Material #3 Sand Rig/Core Mobile B61 HDX
Drill Co. A & R Drilling Method Hollow Stem Auger
Driller Mark Smith Log By Jim Molesworth Date 12/28/93 Permit # W93952
Checked By Kyle Rheubottom License No. RG 5100

See Site Map For Boring Location

COMMENTS:



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

0.0 to 4.0 ft. **Sandy GRAVEL (GW):** Pebble, cobble, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.

4.0 to 5.5 ft. **Sandy GRAVEL (GW):** Pebble, cobble, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.

10 ft. **Sandy GRAVEL (GW):** Pebble, Cobble, 10% silt, 20% Sand, subrounded to subangular, very dense, light brown, damp, no odor. Grab sample off augers

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

RECEIVED
JAN - 5 1994

LABORATORY REPORT

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632-2833

COPIES TO:	JEFF COLE	GEOTEST PROJECT NO.:	94624-43
REPORT TO:	VIJAY RADICS GROUNDWATER TECHNOLOGY SAN DIEGO, CA	CLIENT ID:	023404779
PROJECT NAME:	CHEVRON #9-3521		
SITE LOCATION:			

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 12/28/93 and received intact and cool on 12/30/93. In accordance with the chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
TPH-G/BTEX	2-3

REVIEWED AND APPROVED: _____

REPORT DATE: 1/3/94

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	AM	GEOTEST PROJECT NO.:	94624-43
		CLIENT ID:	023404779
PREP. METHOD:	5030		
DATE PREPARED:	12/30/93	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/FID/PID
GASOLINE (TPH-G) BY DOHS METHOD / BTEX BY EPA METHOD 8020

COMPONENTS:		TPH-G	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	SURROGATE RECOVERY
UNITS:		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%
DETECTION LIMITS:		10	0.005	0.005	0.005	0.015	
SAMPLE ID	DATE ANALYZED						
METHOD BLANK	12/30/93	ND	ND	ND	ND	ND	100
MW4-5	12/30/93	ND	ND	ND	ND	ND	90
MW5-5	12/30/93	ND	ND	ND	ND	ND	95
MW5-10	12/30/93	ND	ND	ND	ND	ND	98
B1-5	12/30/93	ND	ND	ND	ND	ND	97

Surrogate : a,a,a-Trifluorotoluene **Acceptable Range (%) :** 70-130

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST :	AM	GEOTEST PROJECT NO.:	94624-43
		CLIENT ID:	023404779
PREP. METHOD:	5030		
DATE PREPARED:	12/30/93	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/FID/PID
GASOLINE (TPH-G) BY DOHS METHOD / BTEX BY EPA METHOD 8020

COMPONENTS:		TPH-G	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	ACCEPTABLE RANGE
RECOVERY UNITS:		%	%	%	%	%	%
SAMPLE ID	DATE ANALYZED						
LCS	12/30/93	109	96	98	101	101	80-120
MATRIX SPIKE	12/30/93	110	108	108	112	110	70-130
MATRIX SPIKE DUPLICATE	12/30/93	107	106	108	110	109	70-130
RPD		2.8	1.8	0	1.8	0.6	0-25

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

94624-43 7076

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chevron Alvarado
PROJECT I.D. No. 923404779
CONSULTANT NAME Groundwater Technology
ADDRESS 9940 Mesa Rim Rd, Suite B, San Diego 92121
PROJECT CONTACT (NAME) Vijay Rodics
(PHONE) 619 453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) Jeff Cole
(PHONE) 310 694 7969

LABORATORY NAME Geotest
CONTRACT NUMBER 6CSW23441X
COLLECTED BY (NAME) Jim Molesworth
(SIGNATURE) Jim Molesworth
COLLECTION DATE 12-28-93

CHAIN-OF-CUSTODY RECORD

3 — — — R E *

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA (8020) AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
MW4-5	1	✓		✓		12-28	9:45		✓		X		X							Run Highest
MW5-5	↓	↓		↓		↓	2:30		↓		X		X							TPHg for
MW5-10							3:07				X		X							O. lead. If
B4-5	↓	↓		↓		↓	4:15		↓		X		X							all are ND
																				then don't run
																				O. lead.
																				3°C

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Jim Molesworth	GTI	12-29/17:00	Airborne #7028850010		
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
AIRBORNE					
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			Mark L. Schmidt		12/29/93 1030

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

PERMIT # W94088

A.P.N. # 469-021-02

EST # H02651

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: LA MESA RV CENTER

SITE ADDRESS: 7601 ALVARADO ROAD, LA MESA, CA 91941

PERMIT FOR: 3 GROUND WATER MONITORING WELLS & 4 BORINGS

PERMIT APPROVAL DATE: 2/3/94

PERMIT EXPIRES ON: 6/2/94

PERMIT CONDITIONS:

1. The surface cement seal shall be a minimum of 2 feet.

2. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

3. All wash water must be contained and disposed of properly.

4. Submit complete laboratory data for both soil and groundwater with the well logs.

5. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

6. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

7. This office must be given 48 hour notice of any drilling activity on this site. Please contact Edward Sanko at (619)338-2339.

8. This office must be given advanced notification of drilling cancellation. Please contact Edward Sanko at (619)338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R. Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: _____ DATE: 2/3/94

Notified: EAS 2/4/94-Left msg.

PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

ASSESSORS PARCEL NO.	PROPOSED DRILLING DATE	NO. OF WELLS TO CONSTRUCT / DESTROY
4 6 9 — 0 2 1 — 0 2	2/10/94	Seven

SITE NAME: La Mesa R. U. Center

SITE ADDRESS: 7601 Alvarado Rd. La Mesa, CA ~~92041~~ 91941

PROPERTY OWNER (NAME): C/O Steve Marsh, Luce, Forward, Hamilton, Scripps — PHONE NO. ( )

MAILING ADDRESS: 600 W. Broadway, Suite 2600, San Diego, CA 92101

DRILLER(NAME): TRI-COUNTY DRILLING, INC. — LICENSE NO.: C57-547737 — PHONE NO.: (619) 484-9775

MAILING ADDRESS: 9921 Carmel Mountain Road, Suite 265 — CITY: San Diego, CA — ZIP: 92129

REGISTERED GEOLOGIST/ENGINEERING GEOLOGIST/CIVIL ENGINEER (RG/CEG/RCE): Barry S. Pulver — REG #: CEG 1364 — PHONE NO.: (619) 571 5500

MAILING ADDRESS: EBS 8799 Balboa Av, Suite 290, San Diego, CA 92123

BOND POSTED BY DRILLER: [x] YES [ ] NO

TYPE OF WELL: [x] GROUND WATER [x] BORING [ ] VADOSE [ ] OTHER

DRILLING METHOD: [x] AUGER [ ] AIR ROTARY [ ] MUD ROTARY [ ] PERCUSSION [ ] OTHER

MATERIALS TO BE USED

CASING
- TYPE: PVC
- GAUGE: SCH 40
- DIAMETER: 4"
- WELL SCREEN SIZE: 0.020
- FILTER PACK Specify: #3 Sand

SEAL
- [ ] NEAT CEMENT
- [x] CEMENT & BENTONITE
- [ ] OTHER

PROPOSED CONSTRUCTION

Estimated ground water depth 9' ft

CEMENT SEAL	0	TO	1
BENTONITE SEAL	1	TO	4
FILTER PACK	4	TO	20
PERFORATION	5	TO	20

NOTE: For wells with multiple completion attach a well construction diagram

I hereby agree to comply with all regulations of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

Sheryl Pierce — DRILLER SIGNATURE — DATE: 1/20/94

Within 30 days of well completion, I will furnish the Department of Health Services with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application.

Barry S. Pulver — RG/CEG/RCE SIGNATURE — DATE: 1/20/94

01-26-94 16:43 011011 CSHR02 126863 91 4 2 4 1 9 4 9T25 $1050.00 CHECK $1050.00

DISPOSITION OF APPLICATION: [x] APPROVED [ ] DENIED

CONDITIONS: Refer to attached conditions

Mary Peter — HEALTH OFFICER — DATE: 2/3/94

OFFICE USE ONLY

NUMBER OF WELLS TO BE CONSTRUCTED: 7 X $150.00 = $1,050.00 AMOUNT DUE — ESTABLISHMENT #: H02651 EL588

CHECK NO. 2604 1/20/94 DATE 1/26/94 PROCESSED BY [illegible] — PERMIT #: W94088

CHNM: ENV. BUS. SOLUT.

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
DHS:HM-6080 (11/92)

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA. 92186-5261 (619) 338-2222

RECEIVED
JAN 26 2 52 PM '94
ENVIRONMENTAL
HEALTH SERVICES

PERMIT APPLICATION SUPPLEMENT

GROUND WATER AND VADOSE MONITORING WELLS

1. Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.

2. *Provide verification of a well Drilling C-57 license.*

3. Provide a plot plan giving location of existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.

4. What is the proposed purpose of the well?

To assess the potential impact to groundwater in the vicinity of the former fuel USTs from releases of gasoline.

5. What procedures will be used to prevent the boring from providing an avenue to contamination during construction?

Hollow-stem augers will be used and will be left in the borehole until the borehole is backfilled with bentonite.

Only pre-cleaned hollow-stem augers will be used.

6. What field procedures will be utilized to determine if contamination exists?

Procedures will include screening with a PID and visual observations.

7. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

It is anticipated that four soil samples will be submitted to the laboratory; the sample collected near the field interpreted saturated zone and the sample collected from approximately five feet below the top of the field interpreted saturated zone.

8. What constituents will be monitored and tested?

SOIL: TPH (modified EPA Method 8015), BTEX (EPA Method 8020)

WATER: TPH (modified EPA Method 8015), BTEX (EPA Method 8020).

9. How will samples be transported and preserved?

Under Chain-of-Custody procedures. Samples will be transported and preserved in tightly closed containers and stored in an ice filled chest.

10. What sampling methods will be used?

Soil samples will be collected using a split-spoon sampler lined with brass tubes. Disposable bailers will be used to collect groundwater samples.

11. Are you proposing a variation from the methods and/pr procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (dated January 1992). If yes, specify these variations.

No.

12. What procedures will be used to ensure that no contamination will be introduced by the drilling equipment?

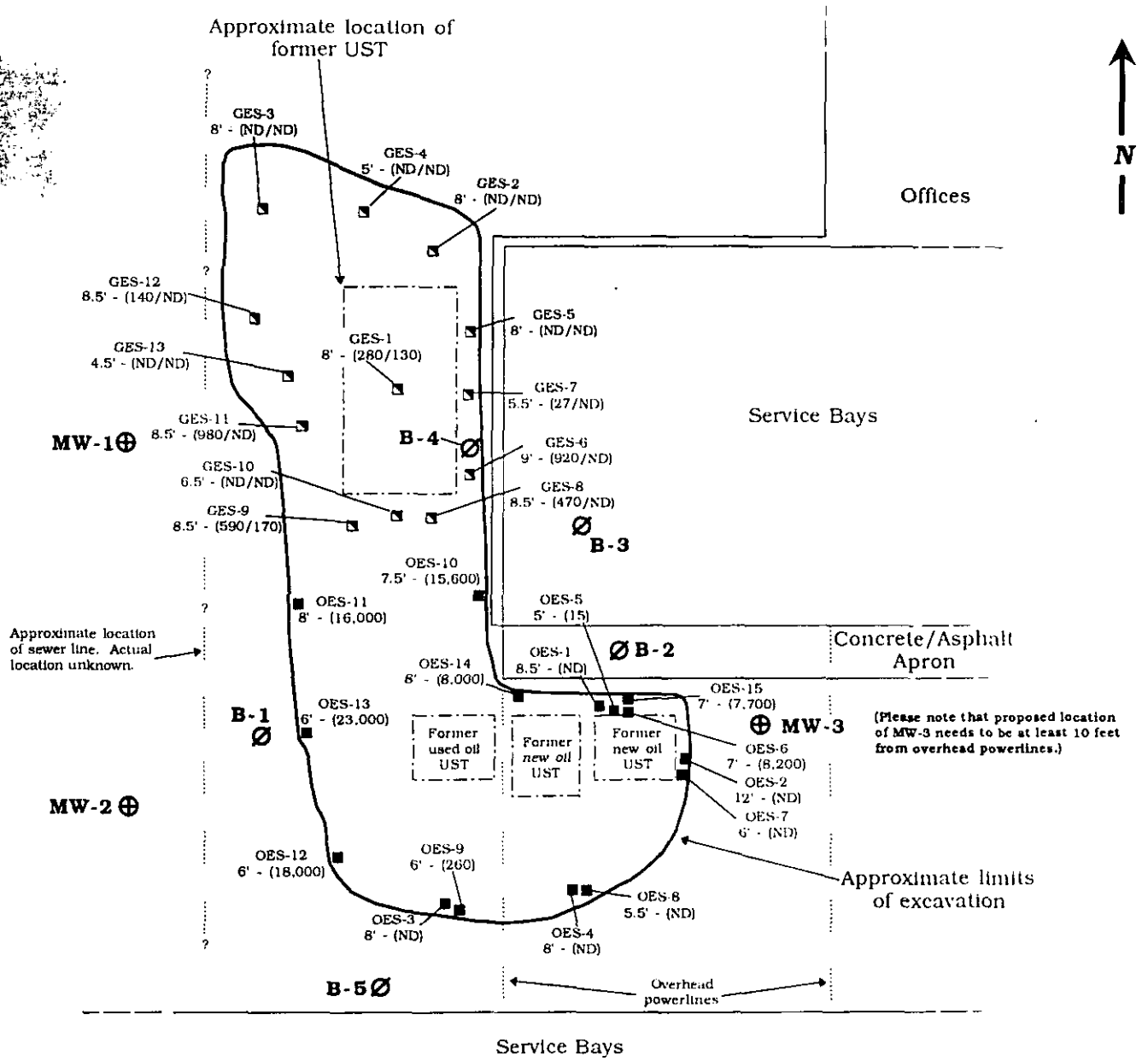
The drill rig will be inspected for oil leaks and cleaned if deemed necessary. Augers will either be steam cleaned prior to drilling or cleaned on site using a transportable steam cleaner.

13. What methods will be used to clean sampling equipment?

Down hole sampling equipment will be cleaned using a four bucket wash. A detergent solution will be used, followed by two tap water rinses. A final rinse using a spray of deionized water will be used.

14. What cleaning method will be used to clean casing and screen prior to installation?

Casing and screen will be delivered from the supplier in a pre-washed and plastic wrapped condition.



LEGEND

⊕	**Proposed monitoring well.**
Ø	**Proposed soil boring location.**
OES-9 6' - (260)	**Soil sample collected by Halliburton NUS from the oil UST excavation area. Indicates sample *number, depth and Total Recoverable Petroleum* Hydrocarbon (TRPH) concentration in mg/kg. ND = not detected at the laboratory detection limit of 10 mg/kg.**
GES-6 9' - (920/ND)	**Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area. Indicates sample number, depth and Total Petroleum Hydrocarbon (TPH) concentration in mg/kg (gas/diesel). ND = not detected at the laboratory detection limit of 10 mg/kg.**

Approximate Scale in Feet

0 12 24

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Site Plan** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93P1163.1 **Figure 1**

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

Rev'd 4/18/94 KWD

RECEIVED
APR 18 12 14 PM '94
ENVIRONMENTAL HEALTH SERVICES

April 13, 1994
Project Number: 93E1163.1

Well permitting Clerk
Site Assessment and Mitigation Division
County of San Diego
Department of Health Services
Environmental Health Services
1255 Imperial Avenue, 3rd. Floor
P. O. Box 85261
San Diego, California 92816-5261

RE: Thirty Day Drilling Report
La Mesa R.V. Center
6410 Alvarado Canyon Road
La Mesa, California (site)
Permit # W94088; A.P.N. # 469-021-02

Well Permitting Clerk:

Enclosed for your review are the following items:

Site Plan

Boring Logs

Laboratory Test Results

Please note that two additional soil borings were drilled. A check for $300.00 is enclosed. Should you have any questions regarding this letter please give me a call at (619) 571-5500.

Sincerely,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG 1364
Principal

SRT5/93E11631.30d

8799 Balboa Avenue • Suite 290 • San Diego, California 92123 • Tel. (619) 571-5500 • Fax (619) 571-5357

94088

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY, INC.

February 12, 1994

Mr. Barry Pulver
Environmental Business Solutions, Inc.
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

PROJECT FILE
Project No 93E1163.1
DO NOT REMOVE

RECEIVED
FEB 23 1994
Environmental Business Solutions, Inc.

SUBJECT: DATA REPORT - LA MESA R.V. CENTER, 7601 ALVARADO RD., SAN DIEGO, CA - EBS PROJECT #93E1163.1

TEG Project #940210T3

Mr. Pulver:

Please find enclosed a data report for soil samples from the above referenced project for Environmental Business Solutions. The samples were analyzed in TEG's California DOHS certified mobile laboratories (CERT #1317). TEG personnel conducted the following analyses:

- 30 soils for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015.
- 30 soils for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included on the tables.

TEG appreciates the opportunity to provide analytical services to Environmental Business Solutions for this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Sheri W Hartman

Ms. Sheri Hartman
President

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

ENVIRONMENTAL BUSINESS SOLUTIONS PROJECT #93E1163.1
La Mesa R.V. Center
7601 Alvarado Rd.
San Diego, CA

TEG Project #940210T3

TRPH (EPA Method 418.1) & TPH (DOHS Mod. EPA Method 8015) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
METHOD BLANK	02/10/94	ND	ND	ND
METHOD BLANK	02/11/94	ND	ND	ND
B4-5'	02/10/94	ND	ND	ND
B4-8'	02/10/94	3,750	82	87
B4-10'	02/10/94	366	ND	ND
B4-11'	02/10/94	956	14	ND
B4A-15'	02/11/94	187	ND	ND
B4A-20'	02/11/94	27	ND	ND
B1-5'	02/10/94	31	ND	ND
B1-8'	02/10/94	6,430	66	131
B1-10'	02/10/94	9,140	174	271
B1-12'	02/10/94	6,680	77	131
B1A-15'	02/11/94	433	ND	ND
B5-5'	02/10/94	ND	ND	ND
B5-10'	02/10/94	ND	ND	ND
B5-10' DUP	02/10/94	ND	ND	ND
MW1-5'	02/11/94	ND	ND	ND
MW1-8'	02/11/94	761	17	14
MW1-8' DUP	02/11/94	768	36	25
MW1-10'	02/11/94	962	ND	29
MW1-15'	02/11/94	206	ND	ND
MW1-20'	02/11/94	59	ND	ND
B2-5'	02/11/94	19	ND	ND
B2-8'	02/11/94	35	ND	ND
B3-5'	02/11/94	ND	ND	ND
B3-8'	02/11/94	ND	ND	ND
B3-10'	02/11/94	904	ND	ND
B3-15'	02/11/94	17	ND	ND
MW3-5'	02/11/94	52	ND	ND
MW3-8'	02/11/94	27	ND	ND
MW3-10'	02/11/94	11	ND	ND
MW3-15'	02/11/94	83	ND	ND
B6-5'	02/11/94	96	ND	ND
B6-8'	02/11/94	97	ND	ND
DETECTION LIMITS		10	10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

ENVIRONMENTAL BUSINESS SOLUTIONS PROJECT #93E1163.1
La Mesa R.V. Center
7601 Alvarado Rd.
San Diego, CA

TEG Project #940210T3

TRPH (EPA Method 418.1) & TPH (DOHS Mod. EPA Method 8015) ANALYSES OF SOILS

	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
QA/QC DATA - MATRIX SPIKE ANALYSIS				
Spiked Conc.	02/10/94	500	200	500
Measured Conc.		524	177	410
% Recovery		104.8%	88.5%	82.0%
Spiked Conc.	02/10/94	500	200	500
Measured Conc.		534	186	454
% Recovery		106.8%	93.0%	90.8%
RPD		1.9%	5.0%	10.2%
Spiked Conc.	02/11/94	500	200	500
Measured Conc.		499	181	509
% Recovery		99.8%	90.5%	101.8%
Spiked Conc.	02/11/94	500	200	500
Measured Conc.		507	185	465
% Recovery		101.4%	92.5%	93.0%
RPD		1.6%	2.2%	9.0%

ACCEPTABLE RECOVERY LIMITS: 65% TO 135%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)

ANALYSES PEFORMED BY: MR. WES ROBB

DATA REVIEWED BY: MS. SHERI HARTMAN Sheri W Hartman 2/14/94

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

ANALYTICAL PROCEDURES

SAMPLE PREPARATION

Waters

Separate water aliquots are extracted for TPH analysis (gasoline and diesel) by liquid-liquid extraction with freon 113 using a modified EPA Method 3510. For volatile aromatics and chlorinated hydrocarbons (EPA 601 & 602), water samples are purged of volatiles in a Tekmar LSC-2000 purge & trap following EPA Method 5030.

Soils

Soil samples are extracted with methanol for volatile chlorinated hydrocarbon compounds (EPA 8010) and with freon 113 for volatile aromatic hydrocarbon compounds (EPA 8020) and fuel compounds (DOHS approved EPA 8015m) by hand-shaking for 2 minutes and sonification for 10 minutes.

GAS CHROMATOGRAPHY

Volatile Chlorinated Hydrocarbons

Water samples and soil extracts are purged in a Tekmar LSC-2000 purge & trap, and backflushed into a Shimadzu 14A gas chromatograph equipped with megabore capillary columns and photoionization detector (PID) and Hall electrolytic detectors following EPA Methods 601/8010 and 602/8020.

Volatile Aromatic Hydrocarbons (BTEX) & Total Fuel Hydrocarbons (TPH)

An aliquot of the soil extract is injected on-column into a Shimadzu gas chromatograph equipped with megabore capillary columns, photoionization (PID) and flame ionization detectors (FID).

TOTAL RECOVERABLE HYDROCARBONS

Extracts are scrubbed with silica gel and measured on a BUCK 404 Infrared Analyzer following EPA 418.1 protocols.

DATA ACQUISITION & PROCESSING

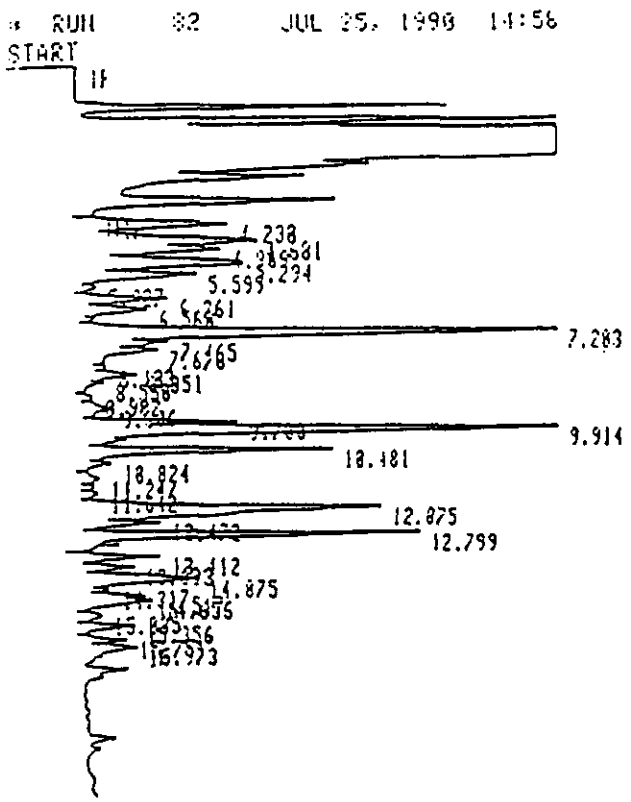
Data from the gas chromatographs are integrated and plotted by Hewlett-Packard 3393A computing integrators. Separate chromatograms are printed for each detector. The resulting chromatograms are inspected at the end of each run and the data entered into an IBM-compatible computer for on-site processing and evaluation.

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

TOTAL PETROLEUM HYDROCARBONS (EPA 8015m)

GASOLINE



STOP

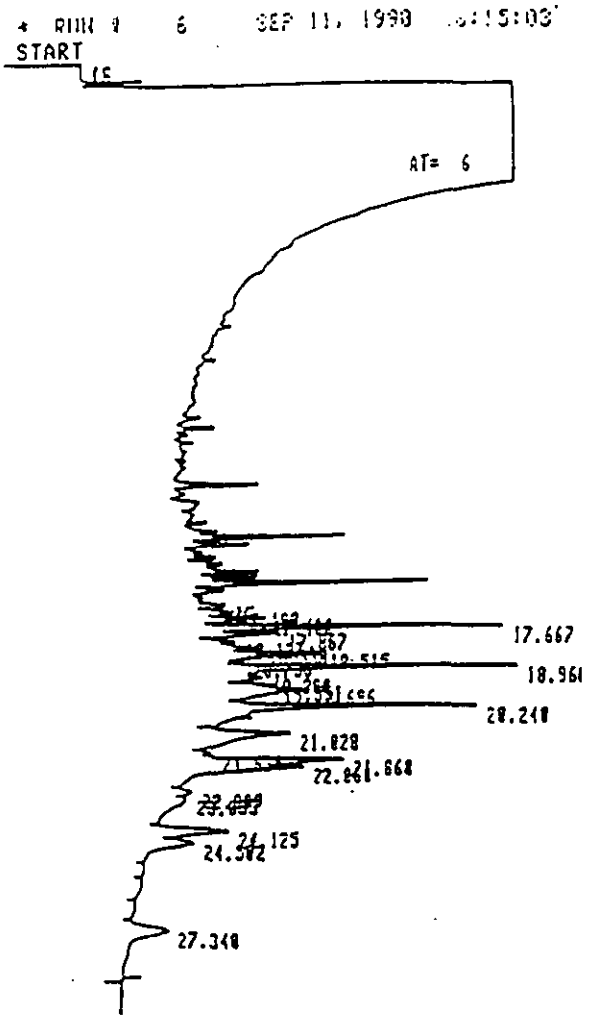
Closing signal file M:SIGNAL .BHC

RUN# 82 JUL 25, 1998 14:58:41

SIGNAL FILE: M:SIGNAL.BHC

EPA METHOD 8015

DIESEL



TIMETABLE STOP

Closing signal file M:SIGNAL .BHC

RUN# 6 SEP 11, 1998 18:15:03

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

teg TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS
ADDRESS: 8799 Balboa Suite 296 San Diego CA 92123
PHONE: 571 5500 FAX: 571 5357
CLIENT PROJECT #: 93E1163.1 PROJECT MANAGER: D. Johnson

DATE: 2/10/94 PAGE 1 OF 1
TEG PROJECT #: 940210T3
LOCATION: La Mesa R.V.
COLLECTOR: B. Pulvar DATE OF COLLECTION: 2/10/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
B4-5'			Sol	Jar				X		X												
B4-8'								X		X												
B4-10'								X		X												
B4-11'								X		X										(1)		
B1-5'								X		X												
B1-8'								X		X												
B1-10'								X		X										8010, 8020, 8080 BTEX, OLOAD		
B1-12'								X		X										(2)		
B5-5'								X		X												
B5-10'								X		X												

RELINQUISHED BY: (Signature) DATE/TIME
RECEIVED BY: (Signature) DATE/TIME 2/10/94 1530
RELINQUISHED BY: (Signature) DATE/TIME
RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS
☐ TEG DISPOSAL @ $2.00 each ☒ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:
1/ problem with additional soils race BSP

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS

ADDRESS: 8799 Balboa Suite 290 S.D. CA 92123

PHONE: 571-5500 FAX: 571 5357

CLIENT PROJECT #: 93E1163.1 PROJECT MANAGER: D. JOHNSON

DATE: 2/10/94 PAGE 1 OF 2

TEG PROJECT #: 9402107S

LOCATION: LA MESA R.V., 7601 ALVARADO RD, S.D.

COLLECTOR: B. PULVAIR DATE OF COLLECTION: 2/11/94

Sample Number	Depth	Time	Sample Type	Container Type*	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
MW1-5	5'		SOIL	JAR				X			X										1	
MW1-8	8'		"	"																	1	
MW1-10	10'		"	"																	1	
B1A-15	15'		"	"																	1	
MW1-15	15'		"	"																	1	
MW1-20	20'		"	"																	1	
B3-5	5'		"	"																	1	
B3-8	8'		"	"																	1	
B3-10	10'		"	"																	1	
B4A-15	15'		"	"																	1	
B3-15	15'		"	"																	1	
MW3-5	5'		"	"																	1	
MW3-8	8'		"	"																	1	
B2-5	5'		"	"																	1	
MW3-10	10'		"	"																	1	
B2-8	8'		"	"																	1	
MW3-15	15'		"	"																	1	
B6-5	5'		"	"																	1	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	2/11/94	[signature]	2/11/94
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☒ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	17
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS

ADDRESS: 8799 BALBOA SUITE 290 S.D. CA 92123

PHONE: 571-5500 FAX: 571-5357

CLIENT PROJECT #: 93E1163.1 PROJECT MANAGER: D JOHNSON

DATE: 2/11/94 PAGE 2 OF 2

TEG PROJECT #: 9402107S

LOCATION: LA MESA RV, 7601 ALVARADO RD, SD

COLLECTOR: B. PULVER DATE OF COLLECTION: 2/11/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
B6-8	8'		SOIL	TAR				X		X										1	
BAA-20'	20'		"	"				X		X										1	

RELINQUISHED BY: (Signature) DATE/TIME 2/11/94 RECEIVED BY: (Signature) DATE/TIME

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) 2/11/94 DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☒ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	2
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

ATI I.D. 402169

CLIENT: EBS

ADDRESS: 3799 Balboa Ste. 290 San Diego

PHONE: 5713580 FAX: 571-5357

CLIENT PROJECT #: 128139.11 PROJECT MANAGER: B. Pulver

DATE: 2 14 94 PAGE 1 OF 1

TEG PROJECT #: 94210.T3

LOCATION: —

COLLECTOR: Pulver DATE OF COLLECTION: 2/14/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Note Number
B1 10'	10'		Soil	402. Jar								X		X						1	
																			4°C		

RELINQUISHED BY: (Signature) DATE/TIME 2/14/94 1450 RECEIVED BY: (Signature) DATE/TIME

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y/C
NOTES:	

LABORATORY NOTES:
Bill to EBS
CC report to TEG.

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY, INC.

February 21, 1994

Mr. Barry Pulver
Environmental Business Solutions, Inc.
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

SUBJECT: **DATA REPORT - LA MESA R.V. - EBS PROJECT #93E1165.1**

RECEIVED
MAR 02 1994
Environmental Business Solutions Inc

TEG Project #940217-8

Mr. Pulver:

Please find enclosed a data report for water samples from the above referenced site for Environmental Business Solutions. All samples were analyzed in TEG's California DOHS certified mobile laboratory (CERT #1839). TEG personnel conducted the following analyses:

- 3 waters for volatile aromatic hydrocarbons (BTEX) by EPA Method 8020.
- 3 waters for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015.

The results of the analyses are summarized in the attached table. Applicable detection limits and QA/QC data are included on the table.

TEG appreciates the opportunity to provide analytical services to Environmental Business Solutions for this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Sheri W Hartman

Ms. Sheri Hartman
President

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

ENVIRONMENTAL BUSINESS SOLUTIONS
Project #93E1165.1
La Mesa R.V.

TEG Project #940217-8

TPH (DOHS Mod. EPA Method 8015) & BTEX (EPA Method 8020) ANALYSES OF WATERS

SAMPLE NUMBER	DATE ANALYZED	TPH-GAS C5-C11 (ug/l)	TPH-DIESEL C12-C24 (ug/l)	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZ (ug/l)	XYLENES (ug/l)
METHOD BLANK	02/18/93	ND	ND	ND	ND	ND	ND
MW-1	02/18/93	ND	ND	ND	ND	ND	ND
MW-2	02/18/93	ND	ND	ND	ND	ND	ND
MW-2 dup	02/18/93	ND	ND	ND	ND	ND	ND
MW-3	02/18/93	ND	ND	ND	ND	ND	ND
DETECTION LIMITS (ug/l)		500	500	0.5	0.5	0.5	0.5

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

QA/QC DATA - MATRIX SPIKE ANALYSIS - WATERS (ug/l)

Spiked Conc.	02/18/93	2000	5000	100.0	100.0	100.0	300.0
Measured Conc.		2010	6026	85.9	99.8	105.4	316.2
% Recovery		100.5%	120.5%	85.9%	99.8%	105.4%	105.4%
Spiked Conc.	02/18/93	2000	5000	100.0	100.0	100.0	300.0
Measured Conc.		2325	5964	89.3	100.8	101.5	324.3
% Recovery		116.3%	119.3%	89.3%	100.8%	101.5%	108.1%
RPD		14.5%	1.0%	3.9%	1.0%	3.8%	2.5%

ACCEPTABLE RECOVERY LIMITS: 65% TO 135%

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1839)

ANALYSES PEFORMED BY: MS. STACIE WISSLER

DATA REVIEWED BY: MS. SHERI HARTMAN Sheri Hartman 2/23/94

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

ANALYTICAL PROCEDURES

SAMPLE PREPARATION

Waters

Separate water aliquots are extracted for TPH analysis (gasoline and diesel) by liquid-liquid extraction with freon 113 using a modified EPA Method 3510. For volatile aromatics and chlorinated hydrocarbons (EPA 601 & 602), water samples are purged of volatiles in a Tekmar LSC-2000 purge & trap following EPA Method 5030.

Soils

Soil samples are extracted with methanol for volatile chlorinated hydrocarbon compounds (EPA 8010) and with freon 113 for volatile aromatic hydrocarbon compounds (EPA 8020) and fuel compounds (DOHS approved EPA 8015m) by hand-shaking for 2 minutes and sonification for 10 minutes.

GAS CHROMATOGRAPHY

Volatile Chlorinated Hydrocarbons

Water samples and soil extracts are purged in a Tekmar LSC-2000 purge & trap, and backflushed into a Shimadzu 14A gas chromatograph equipped with megabore capillary columns and photoionization detector (PID) and Hall electrolytic detectors following EPA Methods 601/8010 and 602/8020.

Volatile Aromatic Hydrocarbons (BTEX) & Total Fuel Hydrocarbons (TPH)

An aliquot of the soil extract is injected on-column into a Shimadzu gas chromatograph equipped with megabore capillary columns, photoionization (PID) and flame ionization detectors (FID).

TOTAL RECOVERABLE HYDROCARBONS

Extracts are scrubbed with silica gel and measured on a BUCK 404 Infrared Analyzer following EPA 418.1 protocols.

DATA ACQUISITION & PROCESSING

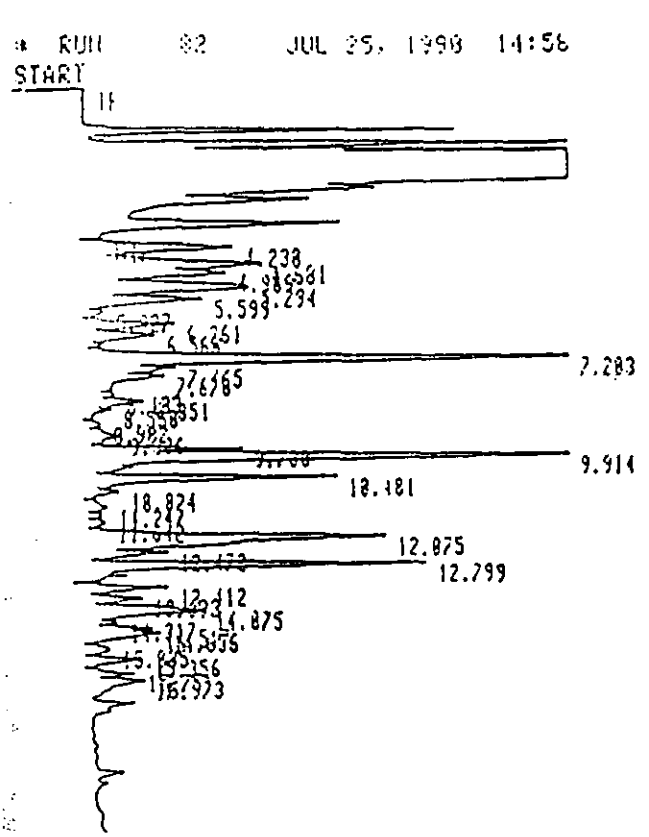
Data from the gas chromatographs are integrated and plotted by Hewlett-Packard 3393A computing integrators. Separate chromatograms are printed for each detector. The resulting chromatograms are inspected at the end of each run and the data entered into an IBM-compatible computer for on-site processing and evaluation.

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

TOTAL PETROLEUM HYDROCARBONS (EPA 8015m)

GASOLINE



STOP

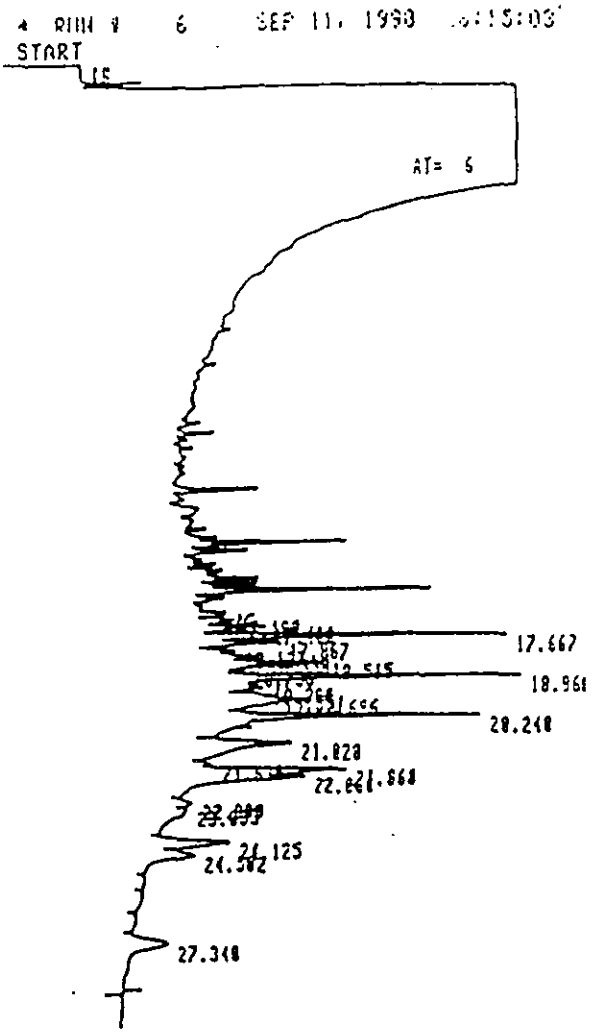
Closing signal file M:SIGNAL .BHC

RUN# 82 JUL 25, 1990 14:58:41

SIGNAL FILE: M:SIGNAL.BHC

EPA METHOD 8015

DIESEL



TIMETABLE STOP

Closing signal file M:SIGNAL .BHC

RUN# 6 SEP 11, 1990

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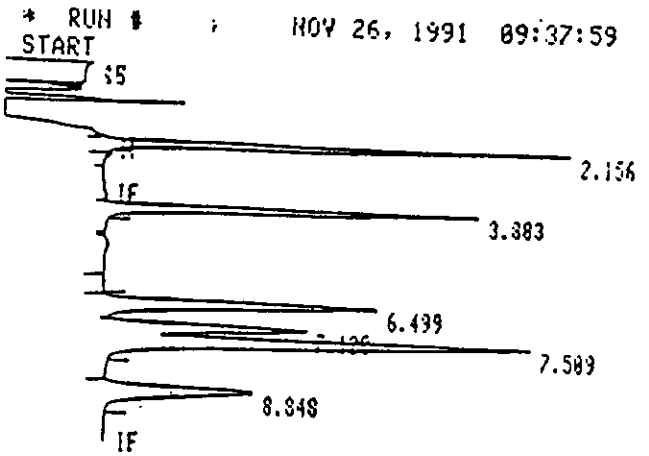
Transglobal Environmental Geochemistry

VOLATILE AROMATIC HYDROCARBONS (EPA 602/8020)



TIMETABLE STOP

Closing signal file M:SIGNAL .BNC

RUN# 4 NOV 26, 1991 09:37:59

SIGNAL FILE: M:SIGNAL.BNC

EPA8020M

ESTD

RT	TYPE	AREA	WIDTH	HEIGHT
2.156	BB	413165	.894	73440
3.883	PB	366094	.137	44456
6.499	BB	387750	.200	32291
7.128	BB	208464	.178	19467
7.509	BB	545349	.200	45373
8.848	BB	278847	.265	17522

RT	CAL#	PPM SOIL	NAME
2.156	1R	1.195	BENZENE
3.883	2R	1.221	TOLUENE
6.499	3R	1.201	CHLOROBENZ
7.128	4R	1.232	ETHYLBENZ
7.509	5R	2.342	M&P XYLENE
8.848	6R	1.250	O XYLENE

TOTAL AREA=2199569
MUL FACTOR=1.0000E+00

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

teg

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS

ADDRESS: 8799 BALBOA STE 290

PHONE: 571-5500 FAX: 571-5357

CLIENT PROJECT #: 9381165.1 PROJECT MANAGER: Bouy Pulver

DATE: 2-17-94 PAGE 1 OF 1

TEG PROJECT #: [illegible]

LOCATION: La Mesa R.V.

COLLECTOR: Chris Spengler DATE OF COLLECTION:

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS						FIELD NOTES	Total Number Of Containers	Laboratory Note Number
MW1			H_2O	40ml VOA		X						X															
MW2			↓	↓		X						X															
MW3			↓	↓		X						X															

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME
[signature]	2-17-94 / 6:47	[signature]	2/17/94/6:47
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☑ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	12
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	yes
NOTES:	

LABORATORY NOTES:

ASAP

Analytical**Technologies,**Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 402223

February 25, 1994

PROJECT FILE
Project No 93E1165.1
DO NOT REMOVE

RECEIVED
FEB 28 1994
Environmental Business Solutions, Inc.

ENVIRONMENTAL BUSINESS SOLUTIONS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

Project Name: LA MESA RV
Project # : 93E1165.1

Attention: BARRY PULVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
February 17, 1994	3	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

The results of these analyses and the quality control data are enclosed.

ROBERT L MANRIQUEZ
PROJECT MANAGER

M. E. SHIGLEY
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1165.1
Project Name: LA MESA RV

Report Date: February 25, 1994
ATI I.D. : 402223

ATI #	Client Description	Matrix	Date Collected
1	MW2	WATER	17-FEB-94
2	MW1	WATER	17-FEB-94
3	MW3	WATER	17-FEB-94

---TOTALS---

Matrix	# Samples
WATER	3

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1165.1
Project Name: LA MESA RV

ATI I.D.: 402223

Analysis	Technique/Description
EPA 7421 (LEAD)	ATOMIC ABSORPTION/GRAPHITE FURNACE

Analytical Technologies, Inc.

METALS RESULTS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1165.1
Project Name: LA MESA RV

ATI I.D.: 402223

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	MW2	WATER	17-FEB-94	17-FEB-94

Parameter	Units	1
LEAD	MG/L	0.002

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

DUP/MS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1165.1 ATI I.D. : 402223
Project Name: LA MESA RV

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
LEAD	402223-01	MG/L	0.002	<0.002	0	2.04	2.00	102

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1165.1 ATI I.D. : 402223
Project Name: LA MESA RV

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
LEAD	44382	MG/L	<0.002	2.05	2.00	103

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

ACCESSION #: 402223

INITIALS: QB 2/17/94

	SAMPLE CONDITION UPON RECEIPT CHECKLIST (FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)		
1	Does this project require special handling according to NEESA Levels C, D, AFOEHL or CLP protocols? If yes, complete a) thru c) a) Cooler temperature _____ b) pH sample aliquoted: yes / no / n/a c) LOT #'s: _____	YES	NO
2	Are custody seals present on cooler?	YES	NO
	If yes, are seals intact? (WA)	YES	NO
3	Are custody seals present on sample containers?	YES	NO
	If yes, are seals intact? (NA)	YES	NO
4	Is there a Chain-Of-Custody (COC)*?	YES	NO
5	Is the COC* complete? Relinquished: yes/no Requested analysis: yes/no	YES	NO
6	Is the COC* in agreement with the samples received? # Samples: yes/no Sample ID's: yes/no Date sampled: yes/no Matrix: yes/no # containers: yes/no	YES	NO
7	Are the samples preserved correctly?	YES	NO
8	Is there enough sample for all the requested analyses?	YES	NO
9	Are all samples within holding times for the requested analyses?	YES	NO
10	Cooler temperature: 6°C.		
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	YES	NO
12	Are samples requiring no headspace, headspace free? N/A	YES	NO
13	Are VOA 1st stickers required? QB 2/17/94	YES	NO
14	Are there special comments on the Chain of Custody which require client contact?	YES	N/A QB 2/17/94
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: _____

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted: _____

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

Analytical Technologies, Inc.
5550 MOREHOUSE DRIVE
SAN DIEGO, CA 92121-1709
(619) 458-9141

Chain of Custody

DATE_____ PAGE____ OF____

PROJECT MANAGER: Barry Pulver
COMPANY: EBS
ADDRESS: 8799 BALBOA AVE STE. 290
S.D. 92123

BILL TO: Same
COMPANY:
ADDRESS:

SAMPLERS (Signature): [signature] PHONE NUMBER: (619) 571-5500

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

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons 418.1 (1L (H₂SO₄)/100g)	Oil and Grease 413.2 (1L (H₂SO₄)/100g)	Gasoline (MOD 8015/DOHS) (4 oz (HCl)/50g)	Diesel (MOD 8015/DOHS) (4 oz (HCl)/50g)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil) (2X40ml (HCl)/50g)	MOD 8015 (Unknown) (4 oz (HCl)/50g)	BTXE (8020) (2X40ml (HCl)/50g)	Chlorinated Hydrocarbons (8010) (2X40ml (HCl)/50g)	Aromatic Hydrocarbons (8020) (2X40ml (HCl)/50g)	Chlorinated/Aromatic Hydrocarbons (8010/8020) (2X40ml (HCl)/50g)	Organic Pb (500ml/50g)		Pesticides/PCB (8080) (1L/50g)	Base/NEU/Acid Cmpds GC/MS (8270) (1L/100g)	Volatile Cmpds GC/MS (8240) (2X40ml (HCl)/100g)	Polynuclear Aromatic (8310) (1L/100g)	CCR Metals (500ml/100g)	Priority Pollutant Metals (500ml/100g)	Total Lead								Number of Containers
MW 1	2-17-94			02																				X	ONLY ONE						
MW 2				01																				X	WILL BE						
MW 3				03																				X	TESTED						

Verbal from Barry Pulver
EBS 2/22/94 [initials]

PROJECT INFORMATION	
PROJECT NUMBER:	93E1165.1
PROJECT NAME:	LA MESA RV
PURCHASE ORDER NUMBER:	—
VIA:	
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☒2WK	

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	3
CHAIN OF CUSTODY SEALS Y/N/NA	N
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND/COLD	Y/60°
LAB NUMBER	402223

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

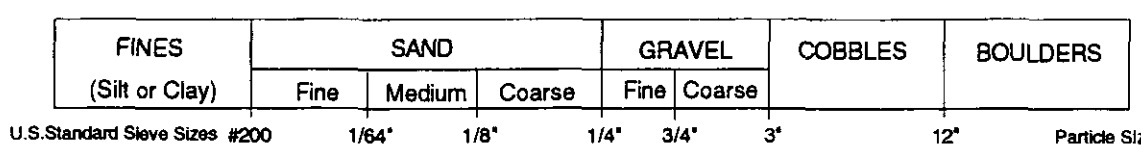
Comments: Only one to be tested for total lead depending on TPH results from TEG. We will call.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 5:07	Signature: Time:	Signature: Time:
Printed Name: Chris Spengler Date: 2-17-94	Printed Name: Date:	Printed Name: Date:
Company: EBS	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: [signature] Time: 5:07
Printed Name: Date:	Printed Name: Date:	Printed Name: [signature] Date: 2/17/94
Company:	Company:	Analytical Technologies, Inc.

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

Major Soil Divisions			Group Symbol	Descriptions
Coarse Grained Soils (>50 % of material is larger than No. 200 sieve.)	GRAVELS (% gravel > % sand.)	Clean Gravels (<5 % fines)	GW	Well graded gravels, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		Gravel With Fines (>15 % fines)	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS (% sand ≥ % gravel.)	Clean Sands (<5 % fines)	SW	Well graded sands or gravelly sands, little or no fines.
			SP	Poorly graded sands, little or no fines.
		Sands With Fines (>15 % fines)	SM	Silty sands, sand-silt mixtures, non-plastic fines.
			SC	Clayey sands, sand-clay mixtures, plastic fines.
Fine Grained Soils (> 50 % of material is smaller than No. 200 sieve.)	SILTS AND CLAYS (Liquid limit is <50 %)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit is >50 %)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
Highly Organic Soils			Pt	Peat and other highly organic soils.



Environmental Business Solutions, Inc.

Soil Classification Legend

(Adapted from the Unified Soil Classification Standard - USCS)

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-1*

Client: La Mesa R.V. Center | Job No: 93E1163.1 | Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SW		**Pavement:** Asphaltic concrete.	
			1			**Fill:** Black silty gravelly sand, medium sand, subrounded gravel to 4", mottled texture, damp.	
			2				
			3				
			4				
B1-5'	31/ND/ND	50	5				
			6				
			7				
B1-8'	8,430/66/131	24	8			**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet. @ 8 feet below grade: Water encountered during drilling.	
			9	SM/ML			
B1-10'	9,140/174/271	55	10				
			11				
			12				
B1-12'	6,680/77/131	50/4"	13			**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			14	SC			
B1A-15'	433/ND/ND	50/3"	15				
			16			Borehole terminated at 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			17				
			18			* Log is compilation of log B-1 (auger to 12' below grade) and log B-1A (air percussion to 15' below grade). Soil sample B1A-15' was collected on 2/11/94. Caving below 12' prohibited sample retrieval. On 2/11/94 a hollow stem auger was used to clean out the hole and collect soil sample B1A-15'.	
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: BSP License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-2

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/Mike

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:
2-11-94	2-25-94	Simco 2000/California Split Spoon	10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete	
			1				
			2			**Fill:** Dark grey brown silty sand, occasional fine subangular gravel, mottled texture damp.	
			3	SM			
			4				
			5			@ 5 feet below grade: Water encountered.	
B2-5'	19/ND/ND	75	6				
			7				
B2-8'	35/ND/ND	50/3"	8	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			9				
			10			Auger refusal at 9 feet below grade. Groundwater encountered at 5 feet below grade at time of drilling. Backfilled with bentonite.	
			11				
			12				
			13				
			14				
			15				
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-3

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/Mike

Date Drilled: 2-11-94

Date Drafted: 2-25-94

Drill Rig/Sampling Method: Simco 2000/California Split Spoon

Borehole Dia.: 10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SM		**Pavement:** Concrete.	
			1				
			2			**Fill:** Dark grey brown silty sand, occasional fine subangular gravel, mottled texture, damp.	
			3				
			4				
B3-5'	ND/ND/ND	35	5				
			6				
			7				
B3-8'	ND/ND/ND	32	8	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
			9			@ 8 feet below grade: Water encountered.	
B3-10'	904/ND/ND	43	10				
			11				
			12	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			13				
			14				
B3-15'	17/ND/ND	50/4"	15				
			16			Borehole terminated at 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-4 *

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled: 2-10-94

Date Drafted: 2-25-94

Drill Rig/Sampling Method: Canterra Drill Rig/California Split Spoon

Borehole Dia.: 10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete.	
			1				
			2			**Fill:** Modedrate yellowish brown, gravelly clayey sand, moist.	
			3	SC			
			4				
B4-5'	ND/ND/ND	15	5			@ 5 feet below grade: Geofabric in sampler.	
			6				
			7				
B4-8'	3,750/82/87	45	8	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet. @ 8 feet below grade: Water encountered.	
			9				
B4-10'	366/ND/ND	50/1"	10			**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
B4-11'	956/14/ND	50/3"	11				
			12			@ 12 feet below grade: Auger refusal, drilled B-4A with air percussion.	
			13				
			14				
B4A-15'	187/ND/ND	50/5"	15	SC			
			16				
			17				
			18				
			19				
B4A-20'	27/ND/ND	50/6"	20			Borehole terminated at 20 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			21				
			22			* Log is compilation of log B-4 (auger to 12 feet below grade) and log B-4A (air percussion from 12 to 15 feet below grade). Soil boring B-4A was drilled on 2/11/94.	
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-5

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled: 2-10-94

Date Drafted: 2-25-94

Drill Rig/Sampling Method: Canterra Drill Rig/California Split Spoon

Borehole Dia.: 10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SC		**Pavement:** Asphaltic concrete.	
			1				
			2			**Fill:** Modedrate yellowish brown, gravelly clayey sand, moist.	
			3				
			4	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
B5-5'	ND/ND/ND	55	5				
			6				
			7			@ 7 feet below grade: Auger refusal, converted to air percussion.	
			8			@ 8 feet below grade: Water encountered.	
			9				
B5-10'	ND/ND/ND	50/3"	10	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			11				
			12				
			13				
			14				
		85/2"	15			Borehole terminated at 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/29/94

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-6

Client:	Job No:	Sheet:
La Mesa R.V. Center	93E1163.1	1 of 1

EBS Rep:	Location:	Drilling Company/Driller:
Barry S. Pulver	7601 Alvarado Road La Mesa, California	Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete.	
			1				
			2			**Fill:** Modedrate yellowish brown, gravelly clayey sand moist.	
			3	SC			
			4				
B6-5'	96/ND/ND	50/3"	5				
			6			@ 6 feet below grade: Water encountered. Drillers comment: "very hard".	
			7	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
B6-8'	97/ND/ND	50/5"	8				
			9			Refusal due to caving at 9 feet below grade. Groundwater encountered at 6 feet below grade at time of drilling. Backfilled with bentonite.	
			10				
			11				
			12				
			13				
			14				
			15				
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: [signature] License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

WELL LOG

Number: MW-1

Client: La Mesa R.V. Center | Job No: 93E1163.1 | Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"	4"	

SAMPLE LOG		BOREHOLE LOG					WELL LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SC		**Pavement:** Asphaltic concrete.	
			1				
			2				
			3			**Fill:** Moderate yellowish brown, gravelly clayey sand, moist.	
			4				
			5				
MW1-5'	ND/ND/ND	90	6	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
			7				
			8			@ 8 feet below grade: Water encountered.	
MW1-8'	761/17/14	50/3"	9				
			10			**Alluvium:** Red brown gravel/silty gravel, course sub-angular gravel, wet.	
MW1-10'	962/ND/29	50/3"	11	GW/GM			
			12				
			13				
			14				
MW1-15'	206/ND/ND	50/3"	15			**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			16				
			17	SC			
			18				
			19				
MW1-20'	59/ND/ND	50/4"	20				
			21			Borehole terminated at 20 feet below grade and caved to 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Well installed on 2/11/94.	
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: [signature] License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

WELL LOG

Number: MW-2

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"	4"	

SAMPLE LOG		BOREHOLE LOG					WELL LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SC		**Pavement:** Asphaltic concrete.	
			1				
			2			**Fill:** Modedrate yellowish brown, gravelly clayey sand moist.	
			3				
			4				
		15	5	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
			6				
			7				
			8			@ 8 feet below grade: Water encountered.	
			9				
			10	GW/GM		**Alluvium:** Red brown gravel/silty gravel, course sub-angular gravel, wet. No recovery of sample.	
			11				
			12				
			13				
			14				
			15				
			16	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented. No recovery of sample.	
			17				
			18				
			19				
			20				
			21			Borehole terminated at 20 feet below grade and caved to 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Caving below 8 feet below grade prevented collection of soil samples. Well installed on 2/10/94.	
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

WELL LOG

Number: MW-3

Client: La Mesa R.V. Center | Job No: 93E1163.1 | Sheet: 1 of 1

Location: 7601 Alvarado Road, La Mesa, California

EBS Rep: Barry S. Pulver

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
2-11-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"	4"	

SAMPLE LOG		BOREHOLE LOG					WELL LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete.	
			1			**Fill:** Dark grey brown silty sand, occasional fine subangular gravel, mottled texture, damp.	
			2				
			3				
			4				
			5			**Alluvium:** Red brown gravel/silty gravel, course sub-angular gravel, wet.	
MW3-5'	52/ND/ND	90	6			@ 5 feet below grade: Water encountered.	
			7				
			8				
MW3-8'	27/ND/ND	50/5"	9			**Alluvium:** Moderate yellow brown gravelly clayey sand, medium sand, fine to course subangular gravel, cemented.	
			10				
MW3-10'	11/ND/ND	50/5"	11	SC			
			12				
			13				
			14				
MW3-15'	83/ND/ND	50/3"	15				
			16			Borehole terminated at 15 feet below grade. Groundwater encountered at 5 feet below grade at time of drilling. Well installed on 2/11/94.	
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

PERMIT # W95114

A.P.N. # 470-020-12

EST # H12687

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

SITE ASSESSMENT AND MITIGATION DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: CHEVRON USA PRODUCTS

SITE ADDRESS: 7651 ALVARADO BLVD., LA MESA, CA 91942

PERMIT FOR: DESTROY 3 GROUND WATER MONITORING WELLS

PERMIT APPROVAL DATE: 5/22/95

PERMIT EXPIRES ON: 9/18/95

PERMIT CONDITIONS:

1. All wells must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Provide documentation of well destruction. This should include:

   a) A description of the method of destruction,
   b) A description of the type of sealing materials and quantity used and
   c) The date the work was started and the date the work was completed.

4. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

5. This office must be given 48 hour notice of any drilling activity on this site. Please contact Helen Dennin at (619)338-2339.

6. This office must be given advanced notification of drilling cancellation. Please contact Helen Dennin at (619)338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R. Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: Mary Peters DATE: 5/22/95

Notified: 5/22/95-HD
VM Msg

PERMIT APPLICATION
GROUNDWATER
AND
VADOSE MONITORING WELLS
AND EXPLORATORY OR TEST BORINGS

RECEIVED
MAY 16 2 19 PM '95
ENVIRONMENTAL HEALTH SERVICES

OFFICE USE ONLY
PERMIT#: W 95114
SAM CASE Y/N H 12687 MGP
DATE RECEIVED: 5/17/95
FEE PAID: 450# 2580184
BOND POSTED Y/N: NO

A. ASSESSORS PARCEL NUMBER 470-020-12
Site Address 7651 ALVARADO BLVD. City LA MESA, CA. Zip 91942

B. PROPERTY OWNER CHEVRON USA PRODUCTS COMPANY
Mailing Address P.O. BOX 2833 City LA HABRA, CA Zip 90632-2833
Property Owner's Authorized Agent MIKE BAUER Phone (310)694-7698
Mailing Address P.O. BOX 2833 City LA HABRA State CA Zip 90632-2833
Has Property Owner Been Consulted? ☑ Yes ☐ No

C. CONSULTANT INFORMATION GROUNDWATER TECHNOLOGY, INC.
Registered Professional (RG) RCE, CEG) KYLE S. RHEUBOTTOM Registration # 5100 Phone (619)453-8415
Mailing Address 9940 MESA RIM RD., STE.B City SAN DIEGO State CA Zip 92121

D. DRILLER INFORMATION
Drillers Name BC² Environmental C57# 686255 Phone 7147767300
Mailing Address 1835 E. Dawnsway "B" City Fullerton State Ca Zip 92631

3 Number of wells or borings to be constructed/destroyed

Type of wells or borings
- ☒ Groundwater
- ☐ Vadose
- ☐ Boring
- ☐ Other

DRILLING METHOD
- ☐ Auger ☒ Air Rotor
- ☐ Mud Rotary
- ☐ Percussion ☐ Other

MATERIALS TO BE USED

CASING
- Type ____
- Gauge ____
- Diameter ____
- Well Screen Size ____
- Filter Pack (Specify) ____

SEAL
- ☐ Neat Cement
- ☒ Cement & Bentonite
- ☐ Sand-Cement
- ☐ Bentonite
- ☐ Other

N/A

PROPOSED CONSTRUCTION
Estimated ground water depth ____ ft.

CEMENT SEAL ____ to ____
BENTONITE SEAL ____ to ____
FILTER PACK ____ to ____
PERFORATION ____ to ____

05-17-95 011011
09:28 CSHR02 179107
9141 141 429725 $450.00
CHECK $450.00

NOTE: For wells with multiple completion attach a well construction diagram.

I agree to comply with the requirements of the current Site Assessment Division Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

Kurt Samuelson 2/1/95
DRILLERS SIGNATURE DATE

Within 30 days of completion, I will furnish the Site Assessment and Mitigation Division with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

[signature] 5-15-95
RG/CEG/RCE SIGNATURE DATE

County of San Diego
Department of Health Services
Environmental Health Services

Site Assessment & Mitigation Division
P. O. Box 85261
San Diego, CA 92186-5261
(619) 338-2339

DHS:HM-9060 (Rev. 6/94)

Page 1 of 3

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

1. Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.
2. Provide verification of a Well Drilling C-57 License.
3. Provide a plot plan giving location of existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.
4. If wells are to be destroyed, provide a description of method of destruction. All well materials will be drilled out with 10-inch hollow stem augers and backfilled with grout.
5. What is the proposed purpose of the well/boring? N/A
6. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
   N/A
7. What field procedures will be utilized to determine if contamination exists? N/A
8. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
   N/A
9. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)
   N/A

10. How will samples be transported and preserved? N/A

11. What sampling methods will be used? N/A

12. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manuel Requirements). If yes, specify these variations.

N/A

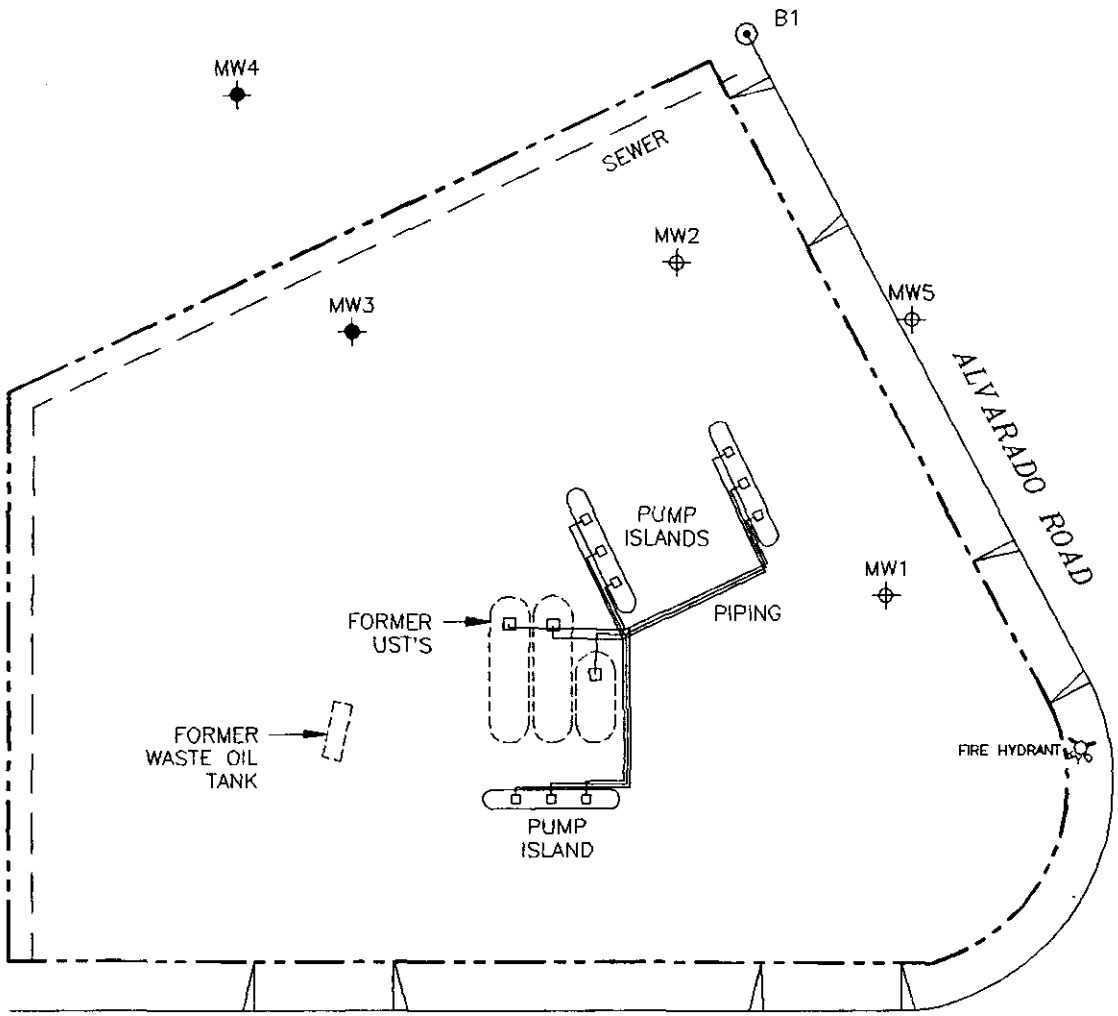
13. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

~~N/A.~~

Drilling equipment will be inspected and steam-cleaned as necessary.

14. What methods will be used to clean sampling equipment? N/A

15. What cleaning method will be used to clean casing and screen prior to installation? N/A



EXPLANATION

- MONITORING WELL
- MONITORING WELL TO BE DESTROYED
- BORING

NOTES:

1. DRAWING ADAPTED FROM CHEVRON GROUND & GRADE, 04/10/72.
2. LOCATIONS FOR WELLS MW4 AND MW5 FROM LAND TECHNOLOGY SURVEY, 2/94.

GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

PROPOSED MONITORING WELLS SCHEDULED FOR CLOSURE

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-3521	FILE: 4779SM1 (1:480)	PROJECT NO.: 023404779		PM	PE/RG
	REV. 1 (04/18/95)				FIGURE: 1
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	DES. CMW	DET. PJWH	DATE: 03/24/95		

470-020-12

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121 USA
Tel: (619) 453-8415

RECEIVED
SEP 20 12 37 PM '95
ENVIRONMENTAL HEALTH SERVICES

September 15, 1995

Mr. Kevin Heaton
Hydrogeologist
SAMD
P.O. Box 85261
San Diego, California 92138-5261

Subject: Well Destruction Report
7651 Alvarado Boulevard, La Mesa, California
APN #470-020-12; HMMD #H12687; W95114
GTI Project 023400112

Dear Mr. Heaton:

On July 7, 1995, wells MW-1, MW-2, and MW-5 were destroyed. The well materials were removed by drilling using 10-inch hollow stem augers. The borings were then backfilled with hydrogel grout. Attached are well logs and a site plan.

If you have any questions concerning this letter, please contact the undersigned at (619) 4538415.

Respectfully submitted,

Groundwater Technology, Inc.
Submitted by:

Fred Essig
Geologist

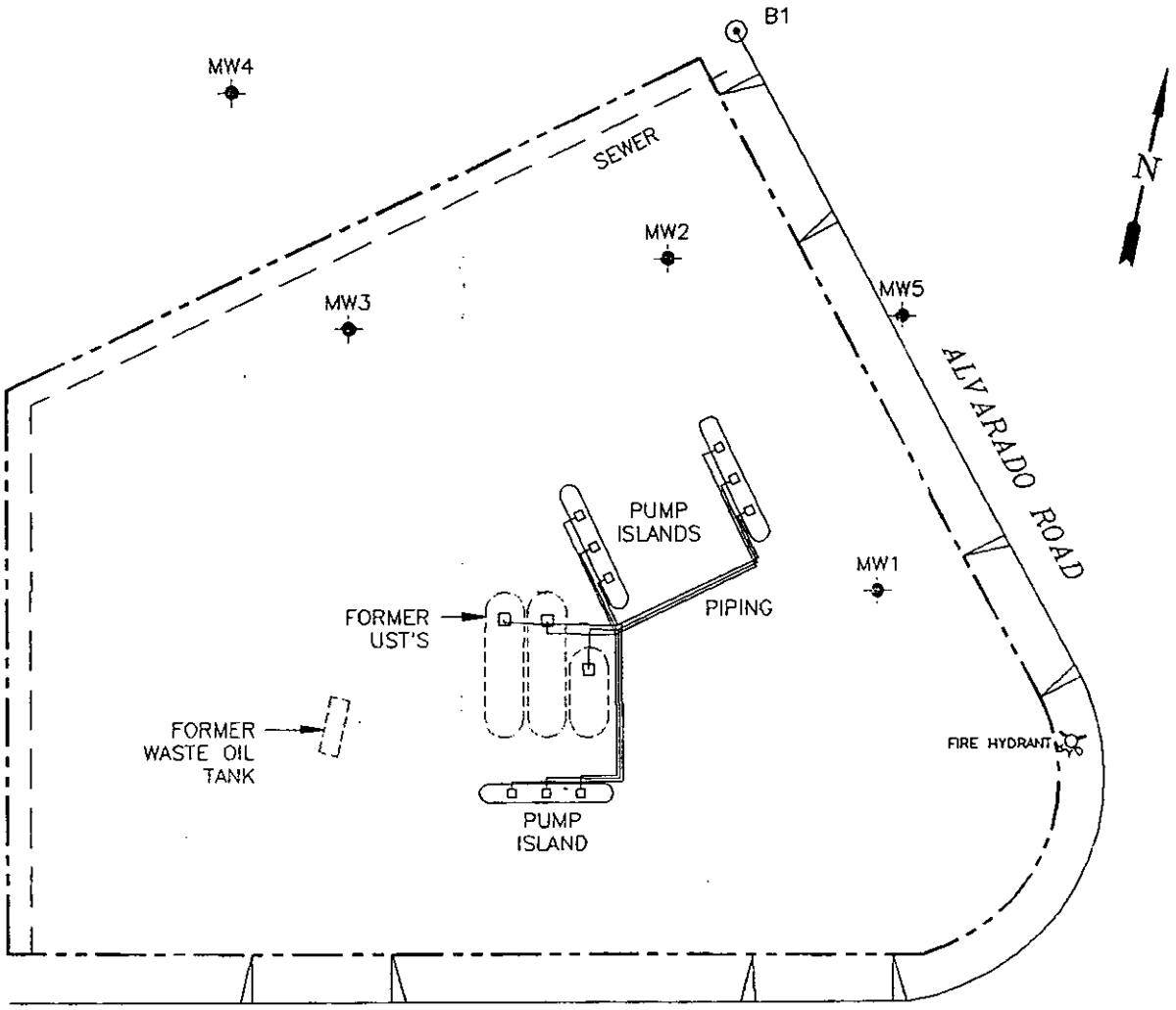
Groundwater Technology, Inc.
Approved by:

Kyle S. Rheubottom, RG
Operations Manager

FE:kae

REGISTERED GEOLOGIST
KYLE
RHEUBOTTOM
No. 5100
STATE OF CALIFORNIA

023400112
0112R-8.30/Chv/9-3521/#1



EXPLANATION

- MONITORING WELL
- BORING

NOTES:

1. DRAWING ADAPTED FROM CHEVRON GROUND & GRADE, 04/10/72.
2. LOCATIONS FOR WELLS MW4 AND MW5 FROM LAND TECHNOLOGY SURVEY, 2/94.

GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

SITE PLAN

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-3521	FILE: 4779SM (1:480)		PROJECT NO.: 023404779	PM	PE/RG
	REV.			FIGURE: 1	
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	DES. JLM	DET. CCG	DATE: 05/12/94		

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121 USA
Tel: (619) 453-8415

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ENVIRONMENTAL HEALTH SERVICES

August 1, 1995

8/8/95 Review up

Ms. Mary Peters
County of San Diego SAMD
P.O Box 85261
San Diego, CA 92138-5261

Subject: 30-Day Report
Former Chevron Service Station No. 9-3521
7651 Alvarado Road, La Mesa, California
APN # ~~470~~-020-12; HMMD # H12687; Permit # W95114
GTI Project 023400112

Dear Ms. Peters:

On July 7, 1995, wells MW1, MW2 and MW5 were drilled out and destroyed in accordance with the Department of Water Resources Bulletin 74-81 and 74-90 at the above site (Figures 1 and 2). All well materials were drilled out and placed in DOT-approved 55-gallon drums and stored on site pending proper disposal. The borings were backfilled with grout and capped with concrete. Soil samples were not collected.

If you have any questions, please contact Jim Molesworth at (619) 453-8415.

Respectfully submitted,

Groundwater Technology, Inc.
Submitted by:

James L. Molesworth
Geologist

Groundwater Technology, Inc.
Approved by:

Kyle S. Rheubottom, RG
Operations Manager

JLM:kae

Attachments: Figures

c: Mike Bauer, Chevron USA Products Company

023400112
0112R-7.31/Ch/9-3521/#1

JC

County of San Diego

DANIEL J. AVERA
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377
SITE ASSESSMENT AND MITIGATION DIVISION

April 9, 1996

Mr. Steve Marsh
Luce, Forward, Hamilton and Scripps
600 W. Broadway, Suite 2600
San Diego, CA 92101

Dear Mr. Marsh:

MONITORING WELL COMPLIANCE INSPECTION
LA MESA RV CENTER, 7601 ALVARADO, ROAD, LA MESA, CA 91941
A.P.N. 469-021-02 PERMIT #W95361 EST. #H02651

On March 27, 1996, staff of the Department of Environmental Health (DEH), Site Assessment and Mitigation Division (SAM) inspected the above-referenced site for compliance to monitoring well standards.

Poorly maintained wells are considered a nuisance as defined in San Diego County Code Section (SDCCS) 67.430 & 67.431.

NO VIOLATIONS WERE FOUND AT THIS TIME. Please retain a copy of the inspection form for your records.

Thank you for your cooperation. If I can be of further assistance, please feel free to contact me at (619) 338-2223.

Sincerely,

JAMES CLAY, Environmental Health Technician
Site Assessment and Mitigation Division

JC:gl

Enclosure

cc: Ms. Carol L. Spangenberg, SAM
Mr. Barry S. Pulver, Environmental Business Solutions, Inc.

APN	469 - 021 - 02
PERMIT W	95361
EST. # H	02651

MONITORING WELL INSPECTION REPORT

SITE ADDRESS 7601 Alvarado Road CITY La Mesa ZIP 91941 T.B. 1
PROPERTY OWNER Fredna L. Gustavson Trust
MAILING ADDRESS 110 Westwood Drive CITY Santa Cruz STATE CA ZIP 95060
OCCUPANCY La Mesa RV Center DATE 3-27-96

MW	V	B	D	AS
3				

TYPE #

KEY
MW = Monitoring Well
V = Vadose Well
B = Boring
D = Destruction
AS - Air Sparging

	WELL LOCATION NUMBER	MW 1	MW 2	MW 3										
EXTERIOR	COVER CONDITION	G	G	G										
	PERIMETER SEAL CONDITION	G	G	G										
	STRUCTURE DRAINAGE	G	G	G										
	SECURED	Y	Y	Y										
INTERIOR	TYPE OF SEAL	C	C	C										
	INNER VAULT INTEGRITY	G	G	G										
	CASING TYPE	4" pvc	4" pvc	4" pvc										
	LOCKED CAP	Y	Y	Y										
	SEALED CAP	Y	Y	Y										
	LIQUIDS PRESENT	Y	N	Y										

KEY

G = Good, F = Fair, P = Poor, C = Concrete, B = Bentonite, S = Soil, Y = Yes, N = No, M = Missing, U = Unable to Locate, V = Visual Inspection Only, * - Other

REMARKS No violations found at this time.

RECEIVED BY

DEPARTMENT OF ENVIRONMENTAL HEALTH/INSPECTOR

Site Assessment & Mitigation Division, P. O. Box 85261, San Diego, CA 92186-5261
(619) 338-2222

PERMIT # W95361

A.P.N. # 469-021-02

EST # H02651

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

SITE ASSESSMENT AND MITIGATION DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: LA MESA RV CENTER

SITE ADDRESS: 7601 ALVARADO ROAD, LA MESA, CA 91941

PERMIT FOR: 4 BORINGS

PERMIT APPROVAL DATE: 9/5/95

PERMIT EXPIRES ON: 1/3/96

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Submit complete laboratory data for both soil and groundwater with the well logs.

4. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

5. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

6. This office must be given 48 hour notice of any drilling activity on this site. Please contact Helen Dennin at (619)338-2339.

7. This office must be given advanced notification of drilling cancellation. Please contact Helen Dennin at (619)338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R. Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: Mary Peter DATE: 9/5/95

Notified: 9/5/95-HQ
msg w/phone operator

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

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~~APPLICATION #1199~~

OFFICE USE ONLY
PERMIT#: W 95361
SAM CASE Y/N H 02651 CLS
DATE RECEIVED: 8/30/95
FEE PAID: 600# 7299
BOND POSTED Y/N: NO

LAMESA RV CENTOR

A. ASSESSORS PARCEL NUMBER 469-021-02
Site Address 7601 Alvarado Rd., City La Mesa Zip 91941

B. PROPERTY OWNER c/o Steve Marsh; Luce, Forward, Hamilton + Scripps
Mailing Address 600 W. Broadway City San Diego Zip 92101
Property Owner's Authorized Agent see above Phone
Mailing Address City State Zip
Has Property Owner Been Consulted? [X] Yes [ ] No

C. CONSULTANT INFORMATION
Registered Professional (RG, RCE, CEG) Barry S. Pulver Registration # CEG 1364 Phone 571-5500
Mailing Address ERS 8799 Balboa Av. S 290 City San Diego State CA Zip 92123

D. DRILLER INFORMATION
Drillers Name Tri-County Drilling, Inc. CS7# 547737 Phone (619) 484-9775
Mailing Address 9921 Carmel Mtn Rd # 265 City San Diego State ca Zip 92129

4 Number of wells or borings to be constructed/destroyed

Type of wells or borings
- [ ] Groundwater
- [ ] Vadose
- [X] Boring
- [ ] Other

DRILLING METHOD
- [ ] Auger [ ] Air Rotor
- [ ] Mud Rotary
- [X] Percussion [ ] Other

MATERIALS TO BE USED

CASING
Type
Gauge
Diameter
Well Screen Size
Filter Pack (Specify)

SEAL
- [ ] Neat Cement
- [ ] Cement & Bentonite
- [ ] Sand-Cement
- [ ] Bentonite
- [ ] Other

PROPOSED CONSTRUCTION

Estimated ground water depth 10 ft.
CHK 3712
$00.00

CEMENT SEAL 0 to 2'
BENTONITE SEAL 2 to 20'
FILTER PACK ____ to ____
PERFORATION ____ to ____

NOTE:
For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment Division Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

Barry S. Pulver — 8/29/95
DRILLERS SIGNATURE — DATE

Within 30 days of completion, I will furnish the Site Assessment and Mitigation Division with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

Barry S. Pulver — 8/29/95
RG/CEG/RCE SIGNATURE — DATE

County of San Diego
Department of Health Services
Environmental Health Services

Site Assessment & Mitigation Division
P. O. Box 85261
San Diego, CA 92186-5261
(619) 338-2339

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

1. Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.

2. Provide verification of a Well Drilling C-57 License.

3. Provide a plot plan giving location of existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.

4. If wells are to be destroyed, provide a description of method of destruction. N/A

5. What is the proposed purpose of the well/boring? To Assess extent of Petroleum Hydrocarbon-bearing soil

6. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
Augers will remain in place until bentonite is placed

7. What field procedures will be utilized to determine if contamination exists? Visual observations, PID readings, laboratory results

8. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
All samples will be tested.

9. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)
TPH mod. EPA Method 8015 / BTEX EPA Method 8020
TRPH EPA METHOD 418.1

10. How will samples be transported and preserved? In ice filled chest

11. What sampling methods will be used? Split spoon sampler

12. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manuel Requirements). If yes, specify these variations.

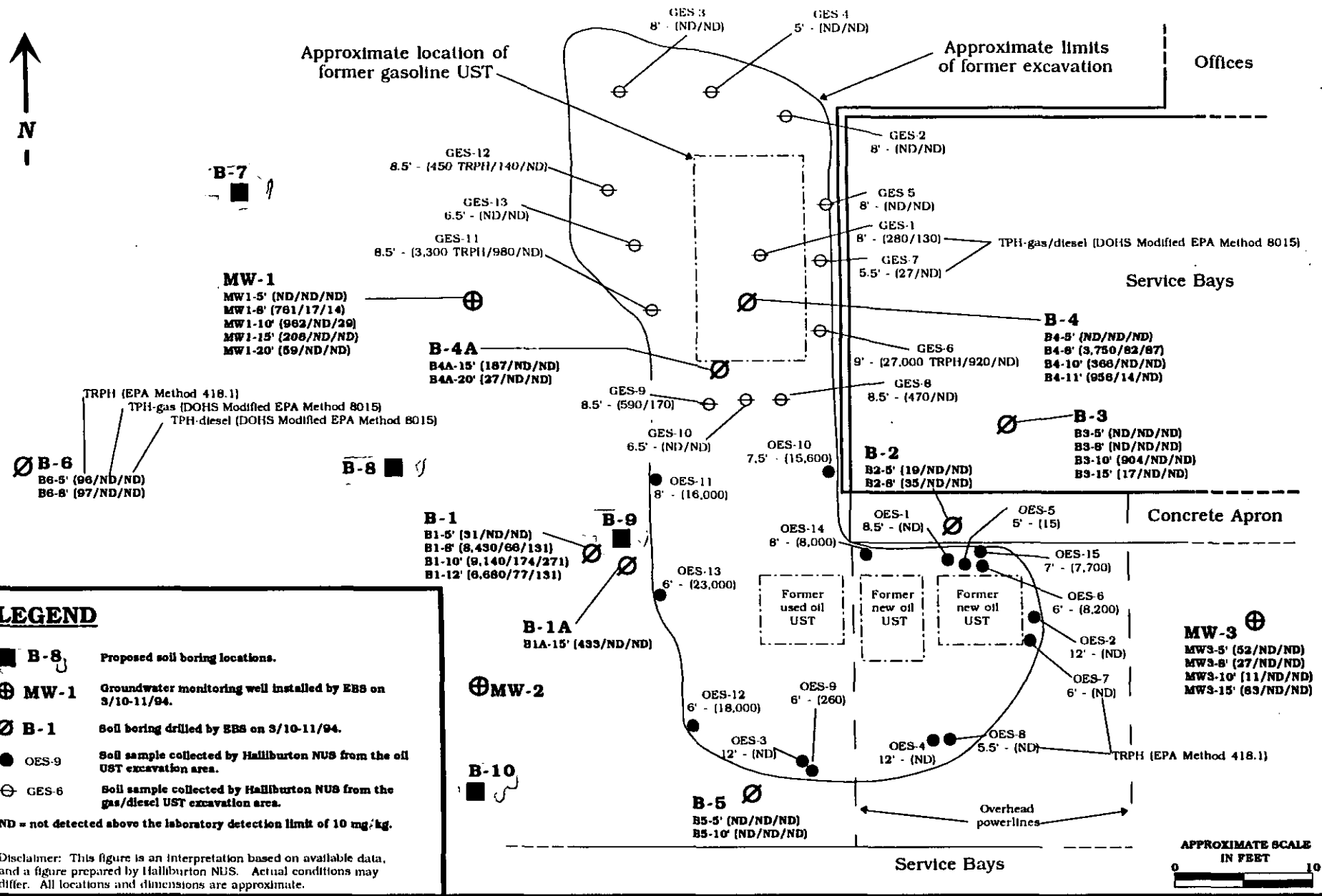
no

13. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

Augers/drilling rod will be steam cleaned between holes.

14. What methods will be used to clean sampling equipment? 4 bucket wash Soap/water, 2 tap water rinses, final spray rinse with DI water.

15. What cleaning method will be used to clean casing and screen prior to installation? _____



LEGEND

- ■ B-8 — Proposed soil boring locations.
- ⊕ MW-1 — Groundwater monitoring well installed by EBS on 3/10-11/94.
- Ø B-1 — Soil boring drilled by EBS on 3/10-11/94.
- ● OES-9 — Soil sample collected by Halliburton NUS from the oil UST excavation area.
- ⊖ GES-6 — Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.

ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Previous Soil Sample Test Results and Proposed Soil Borings** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 1

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

30-DAY DRILLING REPORT

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ENVIRONMENTAL HEALTH SERVICES

SITE NAME:	La Mesa R.V. Center, Inc.
SITE ADDRESS:	7601 Alvarado Road, La Mesa, California 91941
A.P.N.:	469-021-02
PERMIT NUMBER:	W95361

DRILLING SUMMARY

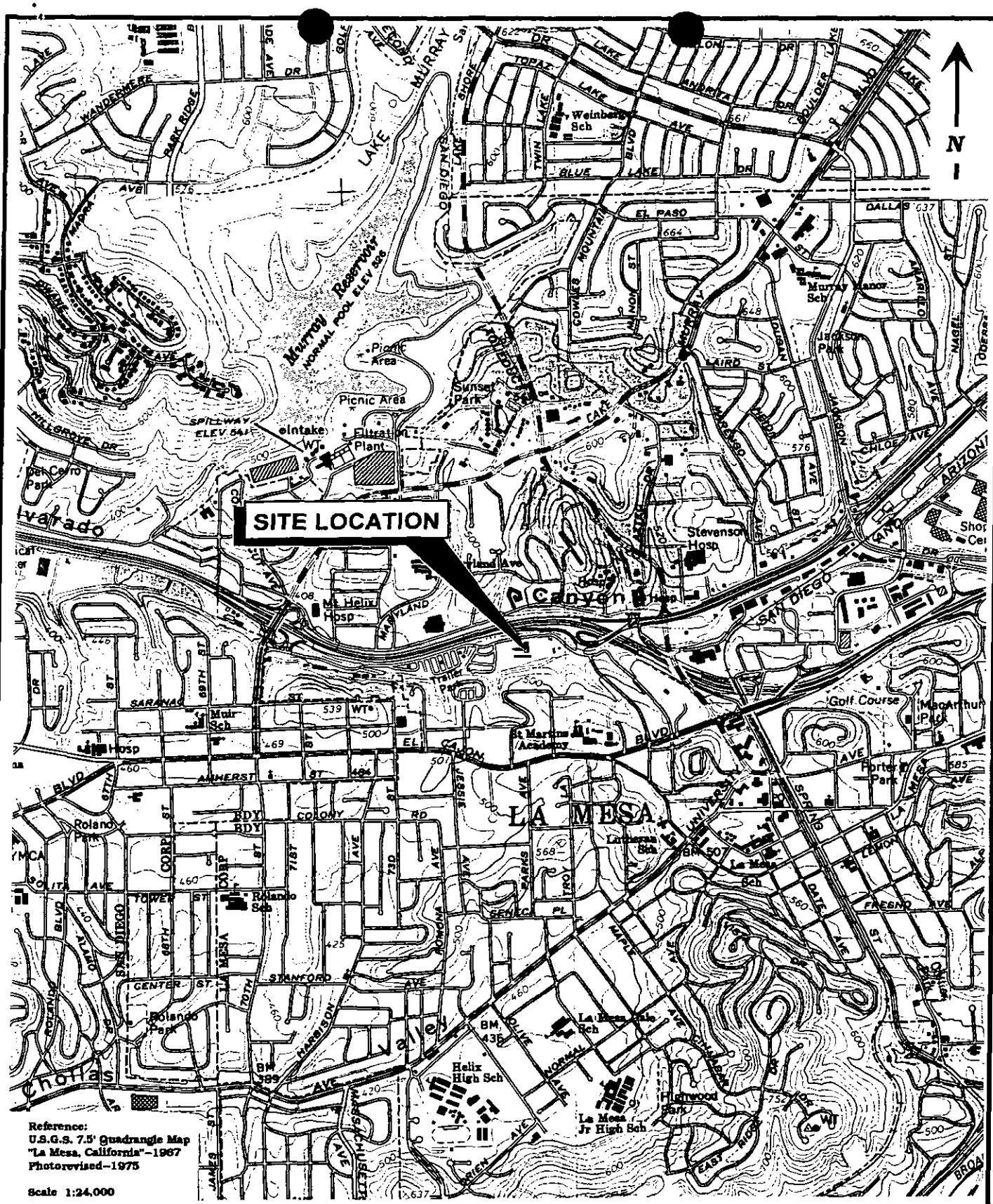
- Due to other commitments, Tri-County Drilling, Inc., the driller of record, was unable to perform the drilling activity. West Hazmat Corp. was able to perform the drilling. A copy of a new permit cover sheet is attached.

- Drilling activities were performed on November 28 and 29, 1995. The soil borings were backfilled with a bentonite slurry. A copy of the soil boring logs are attached.

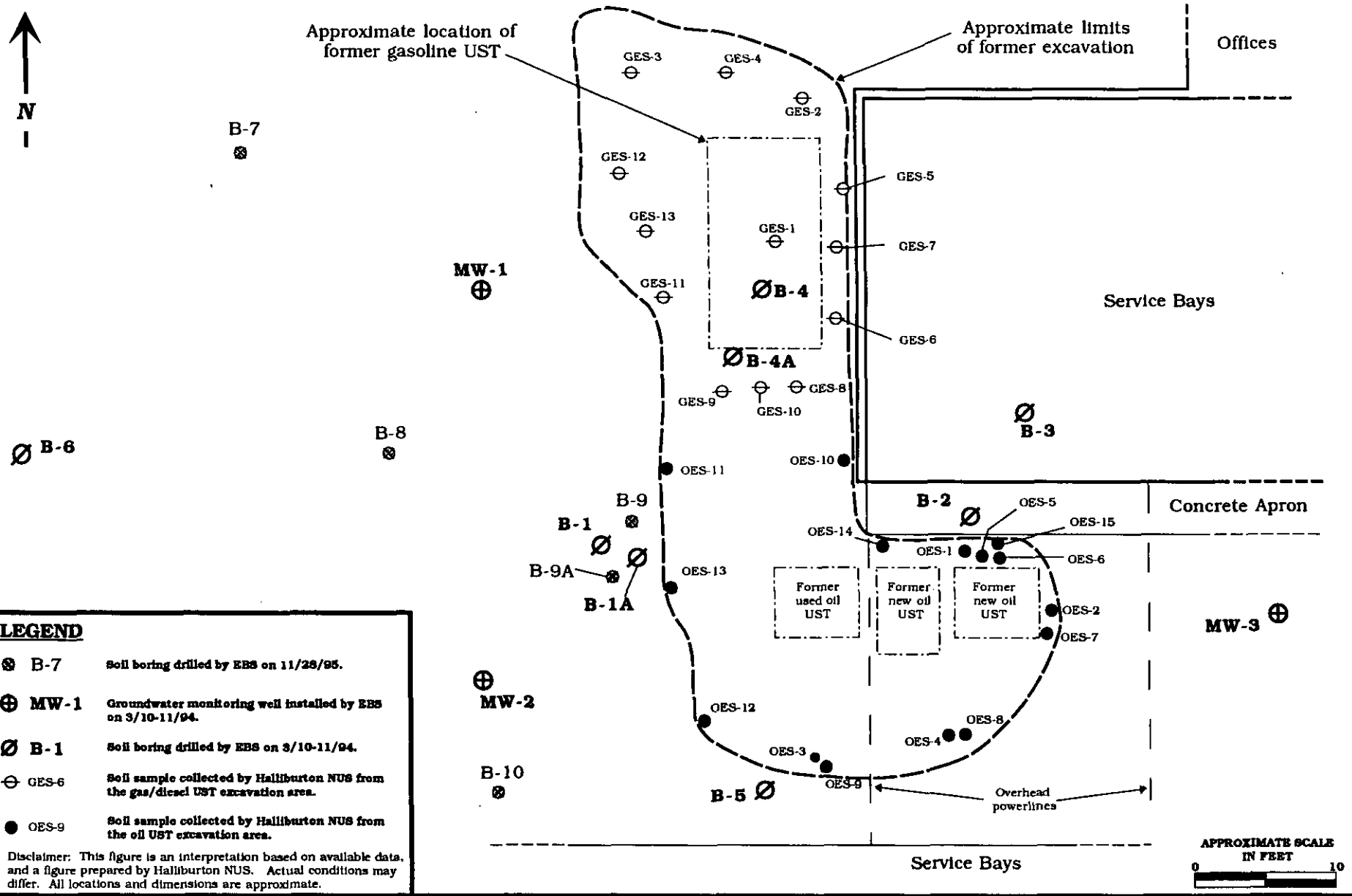
- Soil samples were analyzed for total petroleum hydrocarbons, total recoverable petroleum hydrocarbons, and for benzene, toluene, ethylbenzene and xylenes. Laboratory test reports are attached.

- Other attachments include a site plan.

8799 Balboa Avenue • Suite 290 • San Diego, California 92123 • Tel. (619) 571-5500 • Fax (619) 571-5357



Environmental Business Solutions, Inc.	**Site Location Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.2** **Figure 1**



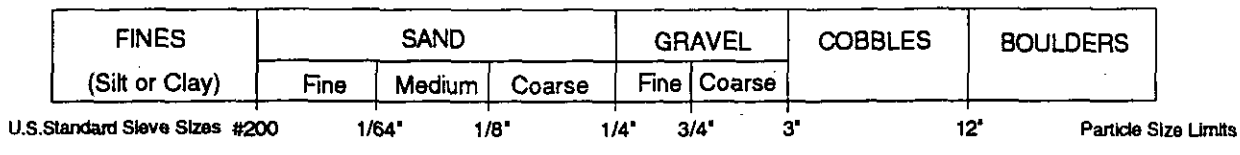
LEGEND

⊗ B-7	Soil boring drilled by EBS on 11/28/95.
⊕ MW-1	Groundwater monitoring well installed by EBS on 3/10-11/94.
Ø B-1	Soil boring drilled by EBS on 3/10-11/94.
⊖ GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
● OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Site Plan** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.2**	**Figure** **2**

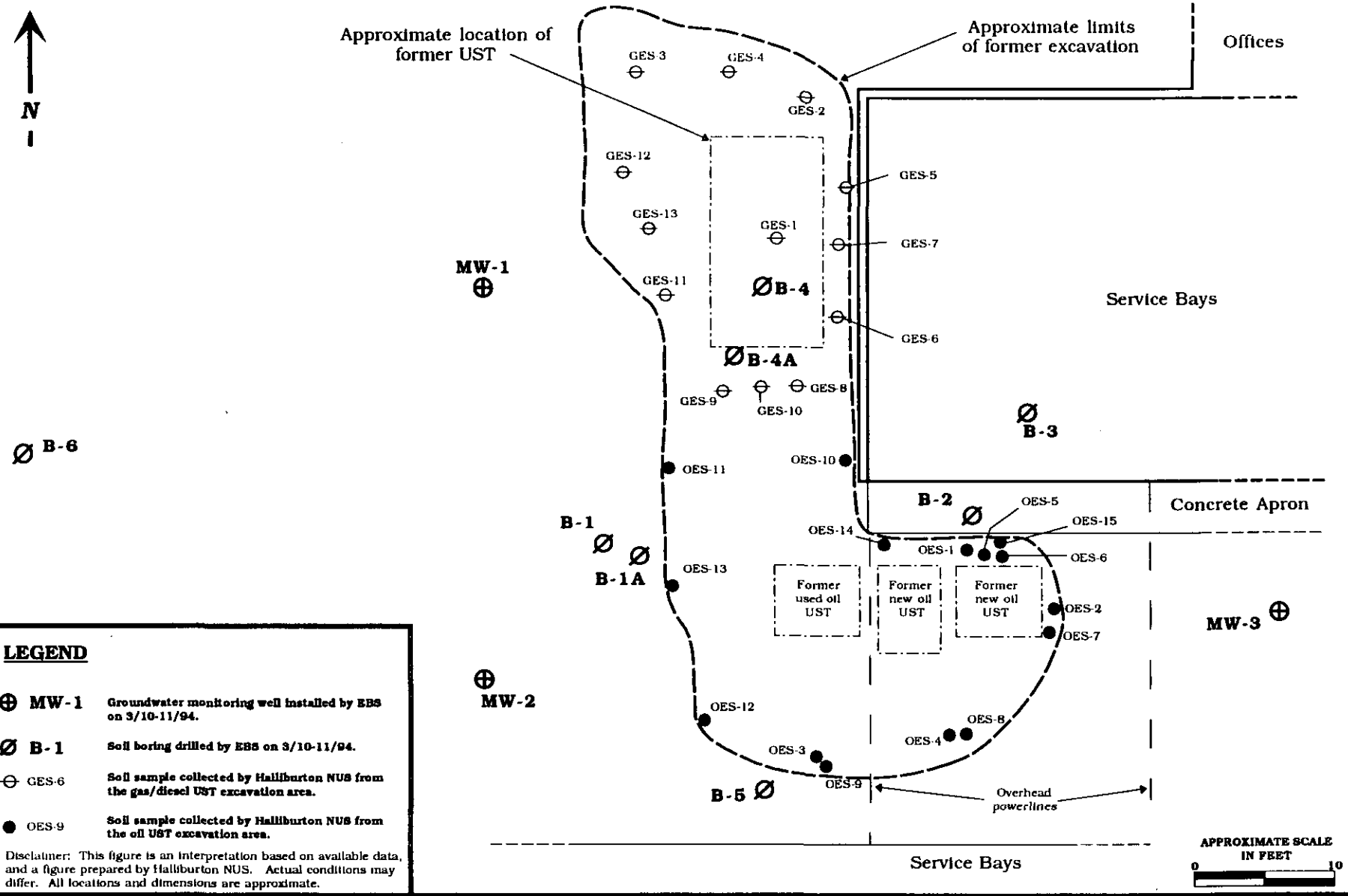
Major Soil Divisions			Group Symbol	Descriptions
Coarse Grained Soils (>50 % of material is larger than No. 200 sieve.)	GRAVELS (% gravel > % sand.)	Clean Gravels (<5 % fines)	GW	Well graded gravels, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		Gravel With Fines (>15 % fines)	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS (% sand ≥ % gravel.)	Clean Sands (<5 % fines)	SW	Well graded sands or gravelly sands, little or no fines.
			SP	Poorly graded sands, little or no fines.
		Sands With Fines (>15 % fines)	SM	Silty sands, sand-silt mixtures, non-plastic fines.
			SC	Clayey sands, sand-clay mixtures, plastic fines.
Fine Grained Soils (> 50 % of material is smaller than No. 200 sieve.)	SILTS AND CLAYS (Liquid limit is <50 %)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit is >50 %)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
Highly Organic Soils			Pt	*Peat and other highly organic soils.*



Environmental Business Solutions, Inc.

Soil Classification Legend

(Adapted from the Unified Soil Classification System - USCS)

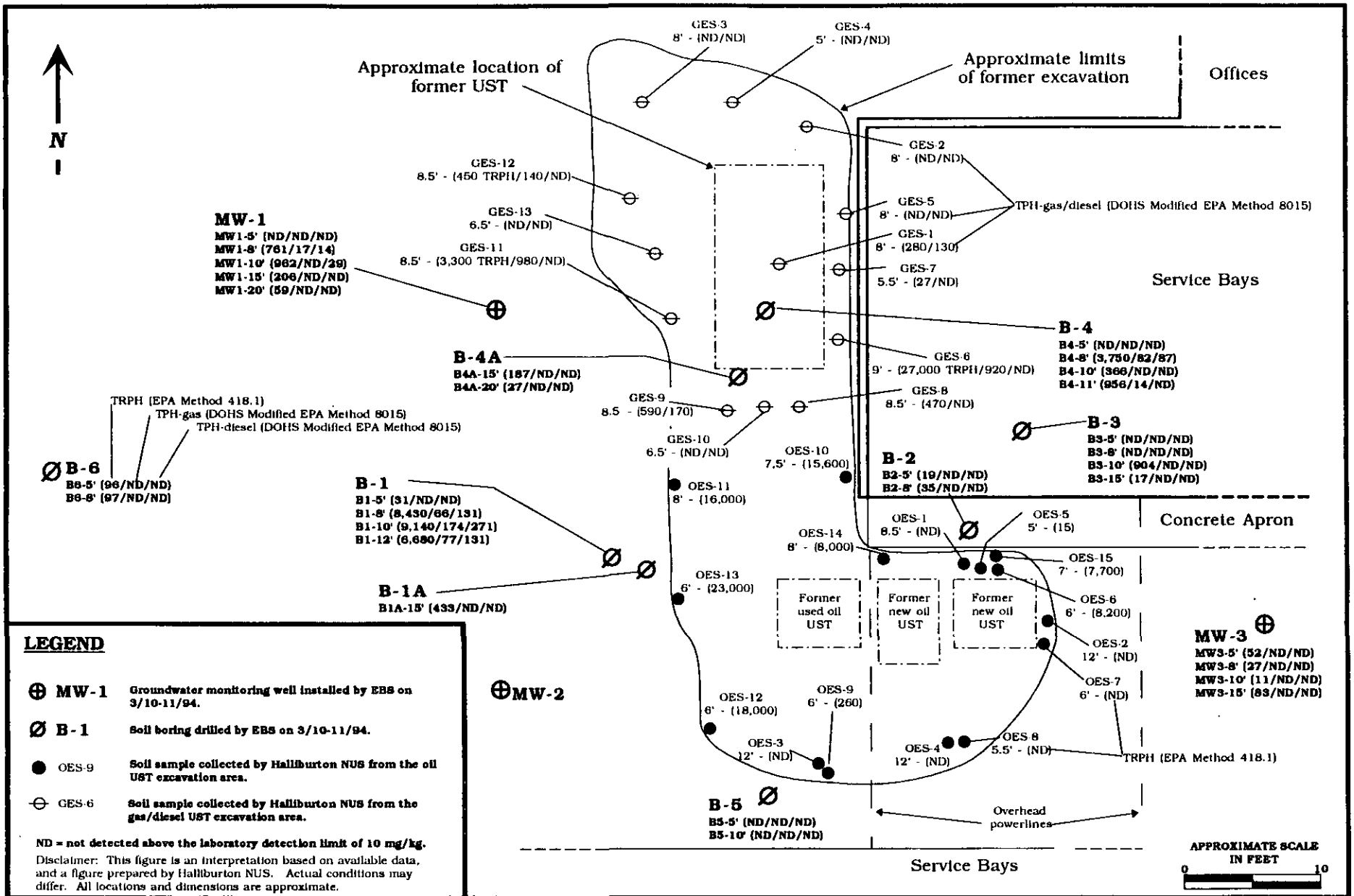


LEGEND

⊕ MW-1	**Groundwater monitoring well installed by EBS on 3/10-11/94.**
Ø B-1	**Soil boring drilled by EBS on 3/10-11/94.**
⊖ GES-6	**Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.**
● OES-9	**Soil sample collected by Halliburton NUS from the oil UST excavation area.**

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Site Plan** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.1**	**Figure** **1**



Environmental Business Solutions, Inc.	**Soil Sample Test Results** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 2

Environmental Business Solutions, Inc.

BORING LOG

Number: B-7

Client: La Mesa RV Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	8"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TPH Gas/Diesel (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete	
			1	SM		**Top soil:** Dark gray brown silty sand, fine gravel, massive texture, damp.	
			2				
			3				
			4				
B7-5	ND	15	5				
			6				
			7				
			8	GW/ GM		**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			9				
B7-10	108	65	10				
			11				
			12				
			13				
B7-15	No recovery	6/ 50-3"	14			No recovery at 15'.	
B7-16	ND	50-6"	15	SM		**Alluvium:** Moderate yellow brown, silty sand with fine gravel.	
			16				
			17				
			18				
			19				
B7-20	No recovery	50-1"	20			No recovery at 20' below 20' very dense, cemented.	
			21			Boring terminated at 21' below grade. Boring backfilled with bentonite slurry.	
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BORING LOG

Number: B-8

Client: La Mesa RV Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	8"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG						
Sample Number	Lab Results TPH Gas/Diesel (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	BACKFILL LOG
			0				
			1			**Pavement:** Asphaltic concrete	
			2			**Top soil:** Dark gray brown silty sand, fine gravel, massive texture, damp.	
			3				
			4				
			5				
B8-5	ND	38	6	SM			
			7				
			8				
B8-8	No recovery	7/ 50-1"	9			**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			10			10' gravel layer	
			11	GW/ GM			
			12				
B8-12	212	50/ 50-2"	13				
			14				
			15				
B8-15	No recovery	50-3"	16				
			17				
B8-17	172	100	18			Below 18' gravel layer, very difficult drilling	
			19				
			20				
			21			Boring terminated at 20' below grade. Below 18' could not sample, due to gravels. Boring backfilled with bentonite slurry.	
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BORING LOG

Number: B-9

Client: La Mesa RV Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Chris Spengler

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-29-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	8"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TPH Gas/Diesel (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0				
			1			**Pavement:** Asphaltic concrete	
			2			**Top soil:** Grey brown silty sand with fine gravel, massive texture.	
			3				
			4				
			5				
B9-5	ND	24	6	SM		At 5.5' color change to black.	
			7				
			8				
B9-8	740	39	9				
			10			At 10' color change to black.	
B9-10	4550	38	11	GW/ GM		**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			12				
			13				
			14				
			15				
B9-15	79	50-3"	16			*Below 15' very difficult drilling.*	
B9A-16	955	50-5"	17				
			18				
			19				
			20				
B9-20	No recovery	50-1"	21				
			22			This log is completion of soil borings B-9 and B-9A. Borings *backfilled with bentonite slurry.*	
			23				
			24				
			25				
			26				
			27				

Logged by: Chris Spengler License #: _____ Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BORING LOG

Number: B-10

Client: La Mesa RV Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	6"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TPH Gas/Diesel (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0				
			1			**Pavement:** Asphaltic concrete	
			2			**Top soil:** Grey brown silty sand with fine gravel, massive texture, damp.	
			3				
			4				
			5				
B10-5	No recovery	50-2"	6	SM			
B10-6	No recovery	50-3"	7			Between 5-7' gravel layer.	
B10-7	ND	55	8				
			9			**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			10				
B10-10	117	50-6"	11	GW/ GM			
			12				
			13				
			14				
			15			At 15'- increase in clay matrix.	
B10-15	ND	50-6"	16				
			17				
			18				
			19				
			20				
B10-20	19	50-6"	21				
			22			Boring terminated at 21' below grade. Boring backfilled with bentonite slurry.	
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

RECEIVED
DEC 11 1995
Environmental Business Solutions, Inc.

December 5, 1995

Mr. Barry Pulver
Environmental Business Solutions, Inc.
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

93E1163.2

SUBJECT: DATA REPORT - LA MESA RV - 7601 ALVARADO, LA MESA, CA - EBS PROJECT #93E1163.2

TEG Project #951128W1 & 951129-11

Mr. Pulver:

Please find enclosed a data report for the above referenced project. All samples were analyzed on-site in TEG's DOHS certified mobile laboratory (CERT #1745).

Project Summary

The following analyses were conducted:

- 15 soils and 3 waters for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015
- 4 soils and 3 waters for volatile aromatic hydrocarbons (BTEX) by Modified EPA Method 8020
- 15 soils and 3 waters for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

Samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfilled quality control criteria.

TEG appreciates the opportunity to provide analytical services to Environmental Business Solutions on this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman

Dr. Blayne Hartman

432 NORTH CEDROS AVENUE • SOLANA BEACH, CA 92075 • 619-793-0401 • FAX 619-793-0404

EBS PROJECT #93E1163.2
La Mesa RV
7601 Alvarado
La Mesa, CA

TEG Project #951128W1

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)	SURROGATE (%REC)
METHOD BLANK	11/28/95	ND	ND	ND	ND	ND	ND	ND	ND
B7-5	11/28/95	ND	ND	ND	--	--	--	--	--
B7-10	11/28/95	108	ND	ND	ND	ND	ND	ND	114%
B7-10 DUP	11/28/95	123	ND	ND	ND	ND	ND	ND	116%
B7-16	11/28/95	ND	ND	ND	--	--	--	--	--
B8-5	11/28/95	ND	ND	ND	--	--	--	--	--
B8-12	11/28/95	214	ND	ND	ND	0.110	ND	0.066	131%
B8-17	11/28/95	172	ND	ND	--	--	--	--	--
B10-7	11/28/95	ND	ND	ND	--	--	--	--	--
B10-10	11/28/95	117	ND	ND	ND	ND	ND	ND	101%
B10-15	11/28/95	ND	ND	ND	--	--	--	--	--
B10-20	11/28/95	19	ND	ND	--	--	--	--	--
DETECTION LIMITS		10	10	10	0.050	0.050	0.050	0.050	65%-135%

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

12/7/95

EBS PROJECT #93E1163.2
La Mesa RV
7601 Alvarado
La Mesa, CA

TEG Project #951128W1

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF WATERS

SAMPLE NUMBER	DATE ANALYZED	TRPH (ug/l)	TPH-GAS C5-C11 (ug/l)	TPH-DIESEL C12-C24 (ug/l)	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZ (ug/l)	XYLENES (ug/l)
METHOD BLANK	11/28/95	ND	ND	ND	ND	ND	ND	ND
MW1	11/28/95	ND	ND	ND	ND	ND	ND	ND
MW2	11/28/95	ND	ND	ND	ND	32.9	2.0	12.5
MW2 DUP	11/28/95	ND	ND	ND	ND	28.9	1.4	11.0
MW3	11/28/95	ND	ND	ND	ND	ND	ND	ND
DETECTION LIMITS		500	500	500	0.5	0.5	0.5	0.5

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

12/7/95

teg

QA/QC REPORT - CALIBRATION DATA

TEG PROJECT #951128W1
DAILY CALIBRATION DATE : 11/28/95

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	11/6/95	0.645	4.1%	344	0.573	11.2%	349	0.582	9.9%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	11/6/95	0.757	2.4%	454	0.757	0.1%	420	0.700	7.5%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	11/6/95	0.657	3.0%	407	0.678	3.3%	362	0.603	8.1%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	11/6/95	0.271	1.6%	349	0.233	14.3%	353	0.235	13.3%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	11/6/95	0.299	7.1%	459	0.306	2.5%	429	0.286	4.2%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	11/6/95	0.278	5.6%	383	0.255	8.2%	349	0.233	16.4%
BENZENE	0.01 - 10	0.33 - 330	7/31/95	109.53	2.1%	306	102.00	6.9%	299	99.50	9.2%
TOLUENE	0.01 - 10	0.33 - 330	7/31/95	82.21	4.4%	257	85.78	4.3%	248	82.76	0.7%
ETHYLBENZENE	0.01 - 10	0.33 - 330	7/31/95	62.47	5.8%	163	54.40	12.9%	169	56.30	9.9%
m&p-XYLENES	0.01 - 10	0.33 - 330	7/31/95	74.98	7.0%	517	86.20	15.0%	508	84.58	12.8%
o-XYLENES	0.01 - 10	0.33 - 330	7/31/95	59.11	5.2%	203	67.58	14.3%	176	58.52	1.0%
TRPH	20 - 1,000	20 - 1,000	4/12/95	643.28	3.1%	0.770	649.35	0.9%	0.772	647.67	0.7%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 11/28/95
TEG Project #951128W1

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	540	108.0%	556	111.2%	2.9%	15%	75% - 110%
TPH GASOLINE	200	179	89.5%	201	100.5%	11.6%	15%	82% - 122%
TPH DIESEL	500	424	84.8%	491	98.2%	14.6%	15%	72% - 112%
BENZENE	1.000	0.936	93.6%	1.025	102.5%	9.1%	15%	77% - 109%
TOLUENE	1.000	0.991	99.1%	1.114	111.4%	11.7%	15%	75% - 112%
ETHYLBENZENE	1.000	0.817	81.7%	0.998	99.8%	19.9%	15%	74% - 110%
TOTAL XYLENES	3.000	3.045	101.5%	3.527	117.6%	14.7%	15%	81% - 109%

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR WATERS

ANALYSIS DATE : 11/28/95
TEG Project #951128W1

COMPOUND	SPK CONC (ug/L)	MS CONC (ug/L)	%REC MS	MSD CONC (ug/L)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE %MS
TRPH	5,000	5,210	104.2%	5,983	119.7%	13.8%	15%	75% - 110%
TPH GASOLINE	2,000	2,207	110.4%	2,124	106.2%	3.8%	15%	63% - 117%
TPH DIESEL	5,000	6,173	123.5%	5,796	115.9%	6.3%	15%	61% - 111%
BENZENE	10.0	11.0	110.0%	10.9	109.0%	0.9%	15%	63% - 108%
TOLUENE	10.0	10.9	109.0%	11.1	111.0%	1.8%	15%	62% - 90%
ETHYLBENZENE	10.0	9.1	91.0%	9.4	94.0%	3.2%	15%	65% - 106%
TOTAL XYLENES	30.0	30.0	100.0%	31.5	105.0%	4.9%	15%	64% - 103%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #: _____

CLIENT: EAS

ADDRESS: 8799 Balboa Ave Ste. 290

PHONE: 571-9900 FAX: 571-9357

CLIENT PROJECT #: 93E1163.2 PROJECT MANAGER: B. Pulver

DATE: 11-28-95 PAGE 01 OF 01

TEG PROJECT #: 9511284(1

LOCATION: 7601 Alvarado La Mesa

COLLECTOR: B. Pulver DATE OF COLLECTION: 11-28

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Lab Number
B7-5	5'		SOIL	4oz jar				X		X											1	
B7-10	10'				X			X		X											1	
B7-16	16'			Brass tube				X		X											1	
BB-5	5'			& glued				X		X											1	
BB-12	12'			4 oz jar	X			X		X											1	
BB-17	17'			4 oz jar				X		X											1	
MW2		2:45pm	AQ	40mL VOA	X			X		X											6	
MW3		3:20pm	AQ	40 mL VOA	X			X		X											6	
B10-7	7		SOIL	Brass tube				X		X											1	
B10-10	10			4oz. jar	X			X		X											1	
MW1		3:45	AQ	40 mL VOA	X			X		X											6	
B10-15	15		SOIL	Brass tube	[redacted]			X		X											1	
B10-20	20		"	"				X		X											1	

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME _____

RELINQUISHED BY (Signature) _____ DATE/TIME _____ RECEIVED BY (Signature) _____ DATE/TIME 11-28-95 1700

SAMPLE DISPOSAL INSTRUCTIONS

X TEG DISPOSAL @ $2.00 each [ ] Return [ ] Pickup

SAMPLE RECEIPT

TOTAL NUMBER OF CONTAINERS	28
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	GC

NOTES:

LABORATORY NOTES:

Hold All Samples

EBS PROJECT #93E1163.2
La Mesa RV
7601 Alvarado
La Mesa, CA

TEG Project #951129-11

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)
METHOD BLANK	11/30/95	ND	ND	ND	ND	ND	ND	ND
B9-5'	11/30/95	ND	ND	ND	--	--	--	--
B9-8'	11/30/95	740	ND	ND	--	--	--	--
B9-10'	11/30/95	**4,550	25	*63	ND	ND	ND	ND
B9-15'	11/30/95	79	ND	ND	--	--	--	--
B9A-16'	11/30/95	955	ND	ND	--	--	--	--
B9-5' DUP	11/30/95	ND	ND	ND	--	--	--	--
DETECTION LIMITS		10	10	10	0.050	0.050	0.050	0.050

* ATYPICAL OF DIESEL FINGERPRINT
** INDICATES SAMPLE DILUTION
ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

QA/QC REPORT - CALIBRATION DATA

TEG PROJECT #951129-11
DAILY CALIBRATION DATE : 11/30/95

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	11/6/95	0.645	4.1%	359	0.598	7.3%	345	0.575	10.9%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	11/6/95	0.757	2.4%	418	0.697	8.0%	421	0.702	7.3%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	11/6/95	0.657	3.0%	377	0.628	4.3%	344	0.573	12.7%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	11/6/95	0.271	1.6%	365	0.243	10.3%	354	0.236	13.0%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	11/6/95	0.299	7.1%	424	0.283	5.3%	428	0.285	4.4%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	11/6/95	0.278	5.6%	367	0.245	12.1%	387	0.258	7.3%
BENZENE	0.01 - 10	0.33 - 330	7/31/95	109.53	2.1%	326	108.54	0.9%	318	106.10	3.1%
TOLUENE	0.01 - 10	0.33 - 330	7/31/95	82.21	4.4%	275	91.69	11.5%	255	85.00	3.4%
ETHYLBENZENE	0.01 - 10	0.33 - 330	7/31/95	62.47	5.8%	192	63.92	2.3%	180	60.12	3.8%
m&p-XYLENES	0.01 - 10	0.33 - 330	7/31/95	74.98	7.0%	578	96.34	28.5%	533	88.78	18.4%
o-XYLENES	0.01 - 10	0.33 - 330	7/31/95	59.11	5.2%	196	65.46	10.7%	202	67.34	13.9%
TRPH	20 - 1,000	20 - 1,000	4/12/95	643.28	3.1%	0.783	638.57	0.7%	0.789	633.71	1.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95.

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 11/30/95

TEG Project #951129-11

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	556	111.2%	580	116.0%	4.2%	15%	75% - 110%
TPH GASOLINE	200	190	95.0%	190	95.0%	0.0%	15%	82% - 122%
TPH DIESEL	500	449	89.8%	467	93.4%	3.9%	15%	72% - 112%
BENZENE	1.000	1.022	102.2%	0.987	98.7%	3.5%	15%	77% - 109%
TOLUENE	1.000	0.998	99.8%	1.001	100.1%	0.3%	15%	75% - 112%
ETHYLBENZENE	1.000	0.952	95.2%	0.975	97.5%	2.4%	15%	74% - 110%
TOTAL XYLENES	3.000	3.507	116.9%	3.572	119.1%	1.8%	15%	81% - 109%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: ERS

ADDRESS: 8799 Balboa Ave Ste 290 San Diego CA 92123

PHONE: 571-5500 FAX: 571-5357

CLIENT PROJECT #: 935116 3.2 PROJECT MANAGER: Barry Fuller

DATE: 11-29-95 PAGE 1 OF 1

TEG PROJECT #: 9511129-111 / 111501

LOCATION: La Mesa RV

COLLECTOR: Linda Spengler DATE OF COLLECTION: 11/29/95

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Number
B9-5'	5'		Soil	Brass Tube				X			X											
B9-8'	8'		↓	|				X			X											
B9-10'	10'							X			X									High TPH also analyze for BTEX via 8020		
B9-15'	15'							X			X											
B9-16'	16'		↓	↓				X			X											
																				Call BSP re: Additional Analysis from 11/21 & 11/29 Samples		

RELINQUISHED BY: (Signature) DATE/TIME: 11/29/95 1345 RECEIVED BY: (Signature) DATE/TIME: 11/29/95 1346

RELINQUISHED BY: (Signature) DATE/TIME: 11/29/95 1416 RECEIVED BY: (Signature) DATE/TIME: 11/29/95 14:16

SAMPLE DISPOSAL INSTRUCTIONS

☒ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	5
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:
B9A-16' is mostly gravel + crushed gravel please attempt to get oil off of gravel for analysis

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

April 22, 1997

Mr. Barry S. Pulver
Environm'tal Business Solution
8799 Balboa Av #290
San Diego, CA 92123

Dear Mr. Pulver:

RE: EXPIRED WELL PERMIT -- W96161 APN: 469-021-02
7601 ALVARADO RD, LA MESA, CA

The well drilling permit issued on July 16, 1996 for the above referenced site has expired pursuant to Section 67.444 of the San Diego County Code. Our records indicate that complete well logs and accompanying information have not been submitted to this office.

Within fifteen (15) days of the date of this notice, you must submit to this office the information listed on the well log reporting list, attached. If no work has been done in regards to this permit you must notify this office in writing.

Failure to provide the information specified above is a violation of Section 67.447 of the San Diego County Code. Violation of this section is a misdemeanor (Section 67.448).

If you have any questions contact me at (619) 338-2339.

Sincerely,

MARISUE CRYSTAL, Well Permit Clerk
Site Assessment and Mitigation Division

Attachment

cc: Property Owner

PERMIT # W96161

A.P.N. # 469-021-02

EST # H02651

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH

SITE ASSESSMENT AND MITIGATION DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: LA MESA RV

SITE ADDRESS: 7601 ALVARDO ROAD, LA MESA, CA 91941

PERMIT FOR: DESTROY 3 GROUND WATER MONITORING WELLS

PERMIT APPROVAL DATE: 7/16/96

PERMIT EXPIRES ON: 11/13/96

PERMIT CONDITIONS:

1. All wells must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Provide documentation of well destruction. This should include:

   a) A description of the method of destruction,
   b) A description of the type of sealing materials and quantity used and
   c) The date the work was started and the date the work was completed.

4. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

5. This office must be given 48 hour notice of any drilling activity on this site. Please contact Helen Dennin at (619)338-2339.

6. This office must be given advanced notification of drilling cancellation. Please contact Helen Dennin at (619)338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R. Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: Mary Peles DATE: 7/16/96

Notified: 7/16/96-HH
msg w/phone operator

PERMIT APPLICATION
GROUNDWATER
AND
VADOSE MONITORING WELLS
AND EXPLORATORY OR TEST BORINGS

RECEIVED
JUL 15 11 13 AM '96
ENVIR HEALTH SERVICES

LA MESA RV

OFFICE USE ONLY
PERMIT#: W 96169
SAM CASE Y (N) H 02651
DATE RECEIVED: 7/16/96
FEE PAID: 430 #3086
BOND POSTED Y/N: _____

A. ASSESSORS PARCEL NUMBER 469-021-02
Site Address 7601 ALVARADO RD. City LA MESA Zip 91941

B. PROPERTY OWNER LA MESA RV INC C/O STEPHEN MARSH; LUCE, FORWARD, HAMILTON & SCRIPPS
Mailing Address 600 W. Broadway, Suite 2600 City San Diego Zip 92101
Property Owner's Authorized Agent SEE ABOVE Phone _____
Mailing Address _____ City _____ State _____ Zip _____
Has Property Owner Been Consulted? ☒ Yes ☐ No

C. CONSULTANT INFORMATION EBS
Registered Professional (RG. RCE. CEG) BARRY S. PULVER Registration # CEG1364 Phone 5715500
Mailing Address 9799 BALBOA AV. #290 City SAN DIEGO State CA Zip 92123

D. DRILLER INFORMATION
Drillers Name West Hazmat Drilling Corp. C57# 554979 Phone (619)686-5800
Mailing Address 3620 Kurtz St. City San Diego State CA Zip 92110

3 Number of wells or borings to be constructed/destroyed

Type of wells or borings
- ☒ Groundwater
- ☐ Vadose
- ☐ Boring
- ☒ Other

DRILLING METHOD
- ☐ Auger ☐ Air Rotor
- ☐ Mud Rotary
- ☐ Percussion ☐ Other

MATERIALS TO BE USED

CASING
Type _____
Gauge _____
Diameter _____
Well Screen Size _____
Filter Pack (Specify) _____

SEAL
- ☐ Neat Cement
- ☒ Cement & Bentonite
- ☐ Sand-Cement
- ☐ Bentonite
- ☐ Other

PROPOSED CONSTRUCTION
Estimated ground water depth _____ ft.

CEMENT SEAL _____ to _____
BENTONITE SEAL _____ to _____
FILTER PACK _____ to _____
PERFORATION _____ to _____

NOTE:
For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment Division Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLERS SIGNATURE — DATE 7/10/96

Within 30 days of completion, I will furnish the Site Assessment and Mitigation Division with a complete and accurate well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

RG/CEG/RCE SIGNATURE — DATE 7/10/96

07-16-96 DH 07-25 GOLLY

152247 #430.00

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

1. Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.

2. Provide verification of a Well Drilling C-57 License.

3. Provide a plot plan giving location of existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.

4. If wells are to be destroyed, provide a description of method of destruction.

   The wells will be overdrilled using a hollow-stem auger to remove the sand pack and bentonite seal. The casing and screen will then be removed, and the borehole filled with a bentonite slurry.

5. What is proposed purpose of the well/boring?

   N/A

6. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?

   N/A

7. What field procedures will be utilized to determine if contamination exists?

   N/A

8. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

   N/A

9. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)

   N/A

10. How will samples be transported and preserved?

N/A

11. What sampling methods will be used?

N/A

12. Are you proposing a variation from the methods and/or procedures presented int he requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements). *If yes, specify these variations.*

N/A

13. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

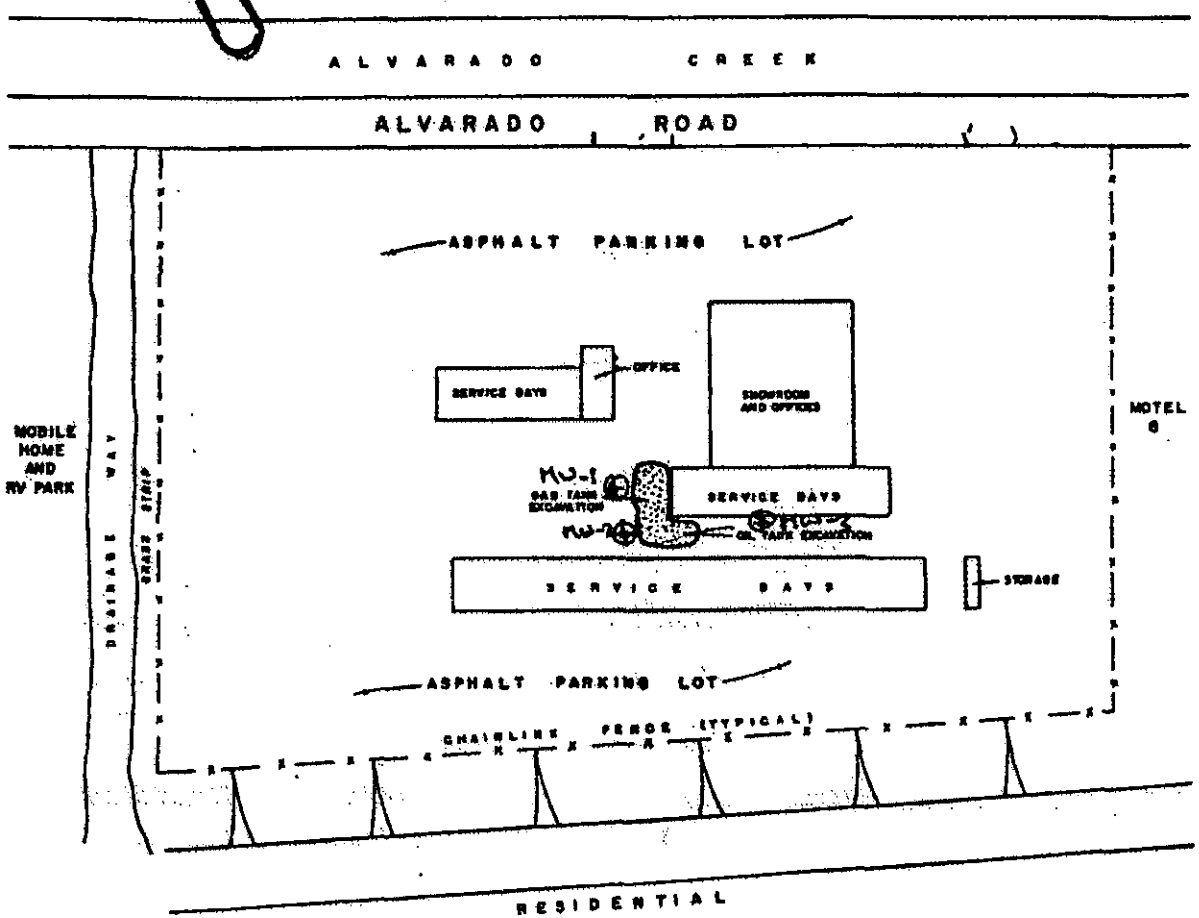
N/A

14. *What methods will be used to clean sampling equipment?*

N/A

15. What cleaning method will be used to clean casing and screen prior to installation?

N/A

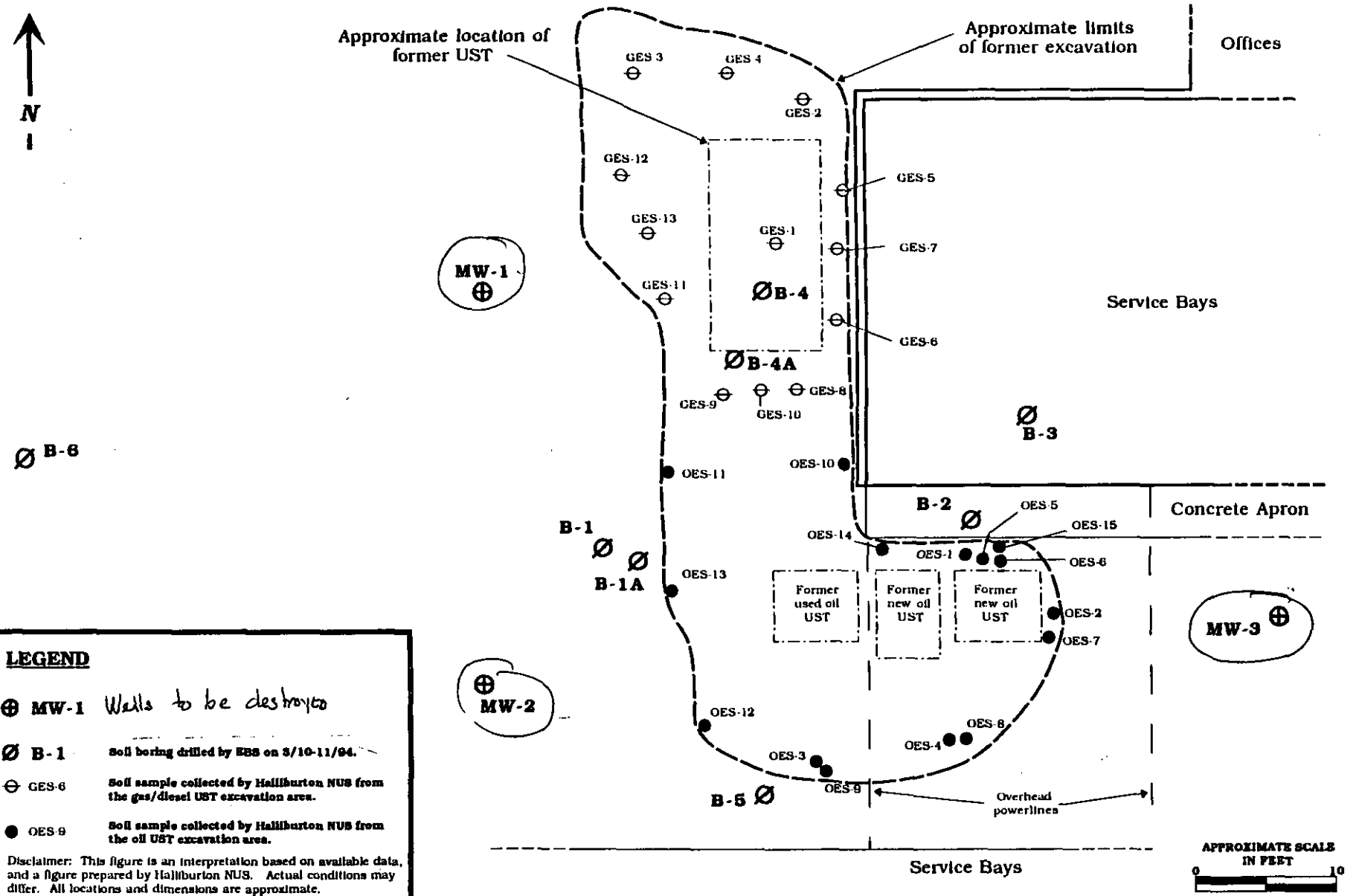


LA MESA R[illegible] CENTER
LA MESA, CALIF[illegible]

PROJECT NO. [illegible]
AUGUST 1996 [illegible]

SITE PLAN

ALVARADO RD



LEGEND

- ⊕ **MW-1** Wells to be destroyed
- Ø **B-1** Soil boring drilled by EBS on 3/10-11/94.
- ⊖ GES-6 Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
- ● OES-9 Soil sample collected by Halliburton NUS from the oil UST excavation area.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	Site Plan La Mesa R.V. Center 7601 Alvarado Road La Mesa, California	Project No. 93E1163.1	Figure 2

30-DAY DRILLING REPORT

SITE NAME: La Mesa RV Center, Inc.

SITE ADDRESS: 7601 Alvarado Road, La Mesa, California, 91941

A.P.N.: 469-021-02

PERMIT NUMBER: W96161

DRILLING SUMMARY

- Well destruction activities were performed at the above referenced Site on July 31, 1996. Drilling activities were performed by West Hazmat Drilling Corp. and observed by Environmental Business Solutions, Inc.
- Wells MW-1, MW-2 and MW-3 were destroyed in general accordance with SAM guidelines and California Department of Water Resources Bulletins 74-81 and 74-90. The well casing was removed prior to overdrilling the borehole to remove all materials.
- The borehole of each well was sealed with bentonite from the bottom of the borehole to the ground surface. Approximately two bags of bentonite grout per hole were used. The surface was patched with concrete.
- Soil samples were not collected for analysis.

file

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

SITE ASSESSMENT AND MITIGATION PROGRAM

470-031-02

April 2, 2001

Mr. Jim Hecht
Metropolitan Transit Development Board
1255 Imperial Avenue #1000
San Diego, CA 92101

Dear Mr. Hecht:

MONITORING WELL COMPLIANCE
MISSION VALLEY LRT PROJECT (CALTRANS RIGHT-OF-WAY)
ALVARADO RD. @ I-8, MURRAY BLVD TO BALTIMORE DR., SAN DIEGO, CA
A.P.N.470-031-02, et al PERMIT#W98307 ESTABLISHMENT#NONE

On March 22, 2001 staff of the Department of Environmental Health (DEH), Site Assessment & Mitigation Program (SAM) **reinspected** the above-referenced site for monitoring well compliance.

At this time, the major monitoring well deficiencies, as outlined in the Official Notice, have been corrected. Thank you for your cooperation. If I can be of further assistance, please feel free to contact me at (619) 338-2013.

Sincerely,

MCrystal

MARISUE CRYSTAL, Environmental Health Technician
Site Assessment and Mitigation Program

cc: Owen Chung, Cal Trans
Kevin Crennan, Kleinfelder, Inc.

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

OFFICIAL NOTICE

January 31, 2001

Mr. Jim Hecht
Metropolitan Transit Development Board
1255 Imperial Avenue #1000
San Diego, CA 92101

Dear Mr. Hecht:

MONITORING WELL CONSTRUCTION DEFICIENCIES
MISSION VALLEY LRT PROJECT (CALTRANS RIGHT-OF-WAY)
ALVARADO RD. @ I-8, MURRAY BLVD TO BALTIMORE DR., SAN DIEGO, CA
A.P.N.470-031-02, et al PERMIT#W98307 ESTABLISHMENT#NONE

On January 26, 2001, staff of the Department of Environmental Health (DEH), Site Assessment and Mitigation Program (SAM) inspected the monitoring wells constructed for the above–referenced site for monitoring well compliance.

During this inspection the following violations were noted and need to be corrected:

- The well casing for (MW/L127) was submerged in 6 inches of water. Remove all water from the structure interior. Clean gasket area and tighten cover bolts to prevent water from entering in future.

- The perimeter seal around (MW/B208) does not drain away from the well. It must provide for positive surface drainage away from the security structure to prevent ponding around the well and to prevent surface water from entering the well. Reinstall perimeter seal so that it provides adequate drainage away from well.

- The water level of the interior vault of (MW/B208) was within ¼" from the top of the structure. Although a few pieces of concrete were found, no surface concrete seal is apparent. The interior appears to consist of nothing but water and bentonite. Install a 2-3 foot concrete seal in the interior of the well structure.

Please be advised that poorly maintained wells are considered a nuisance as defined in San Diego County Code Section (SDCCS) 67.430 and 67.431. The present condition of these wells is in violation of these and other state and local regulations.

If these monitoring wells are not currently being used, we urge you to consider properly destroying them. Per the California Well Standards Bulletin 74-90, "A monitoring well is considered "abandoned" or permanently inactive if it has not been used for one year, unless the owner demonstrates intention to use the well again". All well destructions must be permitted through the Department of Environmental Health, Site Assessment and Mitigation Program.

Please respond by February 14, 2001, either by phone or mail, detailing when the monitoring well deficiencies will be addressed. All well deficiencies must be corrected by March 14, 2001.

Should you have any questions, please contact me at (619) 338-2339.

Sincerely,

MARISUE CRYSTAL, Environmental Health Technician
Site Assessment and Mitigation Program

Enclosure

Cc: Owen Chung, Cal Trans
Kevin Crennan, Kleinfelder, Inc.

DEPARTMENT OF ENVIRONMENTAL HEALTH
MONITORING WELL COMPLIANCE/DRILLING INSPECTION REPORT

APN 470-031-02, ET AL
PERMIT# W 98307
EST.# HNONE
INSPECTION DATE: 03/22/01

PROPERTY OWNER: CAL TRANS
ATTN: MR. OWEN CHUNG
2829 JUAN ST., MS-46
SAN DIEGO, CA 92110

SITE NAME: Mission Valley LRT Project/ Cal Trans Right of Way
SITE ADDRESS:Alvarado Rd @ I-8, Murray Bl. To Baltimore Dr., San Diego, CA
CONSULTANT: Kleinfelder, Inc.
DRILLING CO: Tri-County Drilling

MONITORING WELL	VADOSE WELL	BORING	DESTRUCTION	AIR SPARGE WELL
2				

EXTERIOR	WELL LOCATION NUMBER	B208	L127								
	COVER CONDITION	G	G								
	PERIMETER SEAL CONDITION	G	G								
	STRUCTURE DRAINAGE	F	G								
	SECURED	Y	Y								
INTERIOR	TYPE OF SEAL	C	C								
	INNER VAULT INTEGRITY	G	G								
	CASING TYPE	2" PVC	2"PVC								
	LOCKED CAP	Y	Y								
	SEALED CAP	Y	Y								
	LIQUIDS PRESENT	Y(1 ½"")	Y(3+")								

G = Good P = Poor B = Bentonite Y = Yes M = Missing V = Visual Inspection Only
F = Fair C = Concrete S = Soil N = No U = Unable to Locate * = Other

DRILLING EQUIPMENT DECONTAMINATED? N/A
SOIL CUTTINGS PROPERLY CONTAINED AND LABELED? N/A
WELL /BORING PERMIT ON SITE? N/A
HEALTH/SAFETY: BOOTS _____ HARD HATS _____ TRAFFIC _____OTHER_____

REMARKS: No major violations noted at time of inspection. MW L127- well vault contains approx.3" of water. MW B208- well vault contains approx. 1 1/2 " of water.

NOTICE OF VIOLATION ISSUED
NO

MARISUE CRYSTAL
ENVIRONMENTAL HEALTH TECHNICIAN

DEPARTMENT OF ENVIRONMENTAL HEALTH
MONITORING WELL COMPLIANCE/DRILLING INSPECTION REPORT

APN 470-031-02, ET AL
PERMIT# W 98307
EST.# HNONE
INSPECTION DATE: 01/26/01

PROPERTY OWNER: CAL TRANS
ATTN: MR. OWEN CHUNG
2829 JUAN ST., MS-46
SAN DIEGO, CA 92110

SITE NAME: Mission Valley LRT Project/ Cal Trans Right of Way
SITE ADDRESS:Alvarado Rd @ I-8, Murray Bl. To Baltimore Dr., San Diego, CA
CONSULTANT: Kleinfelder, Inc.
DRILLING CO: Tri-County Drilling

MONITORING WELL	VADOSE WELL	BORING	DESTRUCTION	AIR SPARGE WELL
5				

EXTERIOR	WELL LOCATION NUMBER	L-117	L-127	L-135	BV-202	B-208					
	COVER CONDITION	G	G	G	G	G					
	PERIMETER SEAL CONDITION	G	G	F	G	P					
	STRUCTURE DRAINAGE	G	G	F	G	P					
	SECURED	Y	Y	Y	Y	Y					
INTERIOR	TYPE OF SEAL	C	C	---	---	B					
	INNER VAULT INTEGRITY	G	G	---	---	P					
	CASING TYPE	2"	2"	---	---	?					
	LOCKED CAP	Y	Y	---	---	?					
	SEALED CAP	Y	Y	---	---	?					
	LIQUIDS PRESENT	Y(3")	Y(6")	---	---	YES					

G = Good P = Poor B = Bentonite Y = Yes M = Missing V = Visual Inspection Only
F = Fair C = Concrete S = Soil N = No U = Unable to Locate * = Other

DRILLING EQUIPMENT DECONTAMINATED? N/A
SOIL CUTTINGS PROPERLY CONTAINED AND LABELED? N/A
WELL /BORING PERMIT ON SITE? N/A
HEALTH/SAFETY: BOOTS _____ HARD HATS _____ TRAFFIC _____OTHER_____

REMARKS: MW L117- Loose bolts; MW L127- Loose bolts, casing is submerged; MW BV202 – Loose bolts; MW B208- Perimeter seal provides no drainage away from well, N. .corner of seal drains toward well, water level in interior of well ¼" from top, unable to locate anything of cement seal (only small chunks of concrete), casing, cap and lock (if there is one) totally submerged in water and bentonite.

NOTICE OF VIOLATION ISSUED
YES

M Crystal
MARISUE CRYSTAL
ENVIRONMENTAL HEALTH TECHNICIAN

PERMIT # W98307
A.P.N. # 463-600-08
468-133-02
469-011-29
469-020-33
469-021-02
470-031-02
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL PERMIT EXTENSION

SITE NAME: MISSION VALLEY EAST LRT PROJECT (CAL TRANS RIGHT-OF-WAY)

SITE ADDRESS: ALVARADO RD. @ I-8, MURRAY BLVD TO BALTIMORE DR., SAN DIEGO, CA

PERMIT FOR: **SEVEN GROUNDWATER MONITORING WELLS**

ORIGINAL EXPIRATION DATE: OCTOBER 22, 1999

THIS WELL PERMIT HAS BEEN EXTENDED AT THE REQUEST OF THE PERMITEE NO FURTHER EXTENSIONS WILL BE GRANTED FOR THIS PERMIT.

DATE OF REQUEST: DECEMBER 17, 1999

NEW EXPIRATION DATE: JUNE 18, 2000

APPROVED BY: Marcia Cypstol DATE: 12/29/1999

NOTIFIED: 12/29/99 MS

KLEINFELDER
An employee owned company

RECEIVED
DEC 22 10 11 AM '99
ENVIRONMENTAL
HEALTH SERVICES

December 20, 1999
Project No. 51-511700-002

Ms. Marisue Crystal
County of San Diego
Department of Environmental Health
P.O. Box 129261
San Diego, California 92112-9261

Subject: Groundwater Permit Extension for
Permit No. W98307
Mission Valley East LRT Project
San Diego, California

Dear Ms. Crystal:

This letter presents our request to extend expired permit number W98307. To date, we have not completed the installation of the wells covered under the subject permit. As requested, we have enclosed is a new permit application for groundwater wells and $110 for technical review. Please transfer other fees from the unused fees in permit number W98307.

If you have any questions or need additional information, please call one of the undersigned in our San Diego office (858) 320-2000

Sincerely,

KLEINFELDER, INC.

Jason S. Forga, E.I.T.
Staff Engineer

JSF:mws

Enclosures: Permit Application
Review Fee

Because Cal Trans kept changing the locations of the wells, Kleinfelder was not able to do this work within the 120 days allowed by the permit. I agreed to extend their permit - waiving the extension fee but requiring new technical & clerical costs for reviewing.

MSC
12/27/99

Copyright 1999 Kleinfelder, Inc.

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

RECEIVED
DEC 22 10 11 AM '99
ENVIRONMENTAL HEALTH SERVICES

OFFICE USE ONLY
EXTENSION
PERMIT#: W 98307
SAM CASE ~~Y/N~~ H NONE
DATE RECEIVED: 12.22.99
FEE PAID: $110.- #2305

TCD 2051

A. RESPONSIBLE PARTY ~~Kleinfelder Inc~~ ~~MTDB~~ M.T.D.B. Phone ~~(858) 320-2000~~
Mailing Address ~~5015 Shoreham Place~~ 1255 IMPERIAL AVE #1000 City San Diego State CA Zip ~~92122~~
Contact Person ~~Kevin Crennan~~ JIM HECHT Phone ~~(858) 320-2209~~ 557-4542 ext. —

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H _____

C. CONSULTING FIRM Kleinfelder Inc.
Mailing Address 5015 Shoreham Place. City San Diego State CA Zip 92122
Registered Professional Kevin Crennan Registration # 54045 (RG/RCE/CEG)
Contact Person Kevin Crennan Phone (858) 320-2209 ext. —

D. DRILLING COMPANY Tri-County Drilling, Inc. C57# 547737 Phone (619) 271-0099
Mailing Address 9557 Candida Street City San Diego State CA Zip 92126

~~REG 12-29-99 12:33 PAUL 182488~~
~~CHK $30.00~~

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☒ Groundwater	7
☐ Vadose	
☐ Boring	
☐ Other	

NUMBER OF WELLS TO BE DESTROYED #

MATERIALS TO BE USED

CASING
Type_____
Gauge_____
Diameter_____
Well Screen Size_____
Filter Pack (Specify)_____

SEAL
☐ Neat Cement
☐ Cement & Bentonite
☐ Sand-Cement
☒ Bentonite
☐ Other

Drilling Method
☐ Auger ☐ Air Rotor
☐ Mud Rotary
☒ Percussion ☐ Other

PROPOSED CONSTRUCTION
Estimated ground water depth 20 to 40 ft.

CEMENT SEAL 0 to 1
BENTONITE SEAL Varies to _____
FILTER PACK Varies. to _____
PERFORATION Varies to _____

PROPOSED DRILLING DATE 1/00

~~REG 12-27-99 14:07 JG 182502~~
~~CHK $60.00~~

NOTE:

For wells with multiple completion attach a well construction diagram

182502
$60.00

I agree to comply with the requirements of the current Site Assessment and Mitigation Division Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

[signature] 12-17-99
DRILLER'S SIGNATURE DATE

Within 30 days of completion, I will furnish the Monitoring Well Plan Check desk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

Kevin Crennan 12-17-99
RG/RCE/CEG SIGNATURE DATE

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel # 463-600-0800
Site Name Mission Valley East LRT Project.
Site Address N/A City San Diego Zip

PROPERTY OWNER Caltrans (Dist. 11) Phone (619) 688-6158
Mailing Address P.O. Box 85406 City San Diego State Zip

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater.

2. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel # 468-113-0200
Site Name Mission Valley East LRT Project.
Site Address N/A City La Mesa Zip

PROPERTY OWNER Caltrans (Dist. 11) Phone Same as #1
Mailing Address Same as #1 City Same as #1 State — Zip —

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater.

3. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel #: 469-011-2900
Site Name Mission Valley East LRT Project.
Site Address N/A City La Mesa. Zip

PROPERTY OWNER CALTRANS (Dist. 11) Phone Same as #1
Mailing Address Same as #1 City Same as #1 State — Zip —

NUMBER OF WELLS 2 **TYPE OF WELLS** Ground Water.

4. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel # 469-011-2900
Site Name Mission Valley East LRT Project.
Site Address N/A City La Mesa Zip —

PROPERTY OWNER CALTRANS Phone Same as #1
Mailing Address Same as #1 City Same as #1 State — Zip —

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater.

G. FEES:

FEE CODE	BASE FEE INCLUDES FIRST BORING/WELL	FEE FOR ADDITIONAL
1 Groundwater MW's Vapor Extraction MW's Vadose Wells	$150.00	____ x $150 = ____
2 Boring/Hydropunch Geoprobes, etc.	$150.00	____ x $90 = ____
3 Destruction	$150.00	____ x $140 = ____

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel #: 469-020-3300
Site Name Mission Valley East LRT Project
Site Address N/A City La Mesa Zip

PROPERTY OWNER CALTRANS (Dist 11) Phone same as #1
Mailing Address same as #1 City same as #1 State — Zip —

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater.

2. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel #: 470-031-0200
Site Name Mission Valley East LRT Project
Site Address N/A City ~~N/A~~ La Mesa Zip —

PROPERTY OWNER CALTRANS (Dist 11) Phone Same as #1
Mailing Address Same as #1 City Same as #1 State — Zip —

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater.

3. **ASSESSOR'S PARCEL NUMBER**
Site Name
Site Address City Zip

PROPERTY OWNER Phone
Mailing Address City State Zip

NUMBER OF WELLS **TYPE OF WELLS**

4. **ASSESSOR'S PARCEL NUMBER**
Site Name
Site Address City Zip

PROPERTY OWNER Phone
Mailing Address City State Zip

NUMBER OF WELLS **TYPE OF WELLS**

G. FEES:

FEE CODE	BASE FEE INCLUDES FIRST BORING/WELL	FEE FOR ADDITIONAL
1 Groundwater MW's Vapor Extraction MW's Vadose Wells	$150.00	____ x $150 = ____
2 Boring/Hydropunch Geoprobes, etc.	$150.00	____ x $90 = ____
3 Destruction	$150.00	____ x $140 = ____

PERMIT # W98307
A.P.N. # 463-600-08
468-113-02
469-011-29
469-020-33
469-021-02
470-031-02
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: MISSION VALLEY LRT PROJECT (CAL TRANS RIGHT-OF WAY)

SITE ADDRESS: ALVARADO RD @ I-8, MURRAY BLVD TO BALTIMORE DR., SAN DIEGO, CA

PERMIT FOR: INSTALL 7 GROUNDWATER MONITORING WELLS

PERMIT APPROVAL DATE: JUNE 24, 1999

PERMIT EXPIRES ON: OCTOBER 22, 1999

PERMIT CONDITIONS:

1. **The surface seal thickness must be a minimum of 2 feet. The surface seal shall consist of concrete able to withstand the maximum anticipated load without cracking or deteriorating. The concrete should meet Class A specifications which meet a minimum 4000-pound compressive strength.**
2. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.
3. All wash water must be contained and disposed of properly.
4. Submit complete laboratory data for both soil and groundwater with the well logs.
5. Submit all the information specified in the SAM Manual in: Section 6, Page B-8, C., 2.
6. All water and soil that is placed in drums must be labeled and stored as specified in the SAM Manual in: Section 1, Page 12, (5).
7. This office must be given 48 hour notice of any drilling activity on this site. Please contact Marisue Crystal at (619) 338-2339
8. This office must be given advanced notification of drilling cancellation. Please contact Marisue Crystal at (619) 338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: _____ DATE: **6/24/99**

Notified: V. M. HSG 6/24/99 MSC

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT#: W 92307
SAM CASE ~~Y/N~~ H NONE
DATE RECEIVED: 6-18-99
FEE PAID: $1050 - #23371
TCD 2049

A. RESPONSIBLE PARTY ~~Kleinfelder Inc.~~ MISSION VALLEY DESIGNERS GROUP Phone 744-0954
Mailing Address ~~5015 Shoreham Place~~ 707 BROADWAY #1620 City ~~San Diego~~ State ~~CA~~ Zip ~~92122~~ 92101
Contact Person ~~Kevin Crennan~~ BOB GORDON LUTES Phone ~~(858) 320-2000~~ ext. ~~2209~~

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H _____

C. CONSULTING FIRM Kleinfelder Inc.
Mailing Address 5015 Shoreham Place City San Diego State CA Zip 92122
Registered Professional Kevin Crennan Registration # 54045 (RG RCE, CEG)
Contact Person Kevin Crennan Phone (858) 320-2000 ext. 2209

D. DRILLING COMPANY Tri-County Drilling, Inc. CS7# 547737 Phone (619) 271-0099
Mailing Address 9557 Candida Street City San Diego State CA Zip 92126

REG 06-22-99 16:44 JC 162081
CHK $1050.00

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☒ Groundwater	7
☐ Vadose	
☐ Boring	
☐ Other	

NUMBER OF WELLS TO BE DESTROYED #

MATERIALS TO BE USED

CASING
Type _____
Gauge _____
Diameter _____
Well Screen Size _____
Filter Pack
(Specify) _____

SEAL
☐ Neat Cement
☐ Cement & Bentonite
☐ Sand-Cement
☒ Bentonite
☐ Other

Drilling Method
☐ Auger ☐ Air Rotor
☐ Mud Rotary
☒ Percussion ☐ Other

PROPOSED CONSTRUCTION
Estimated ground water depth 20 to 40 ft.

CEMENT SEAL 0 to 1
BENTONITE SEAL varies to _____
FILTER PACK varies to _____
PERFORATION varies to _____

PROPOSED DRILLING DATE 7/99

NOTE:
For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Division Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

Tyler Peters — 6-17-99
DRILLER'S SIGNATURE — DATE

Within 30 days of completion, I will furnish the Monitoring Well Plan Check desk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

Kevin Crennan — 6-17-99
RG/RCE/CEG SIGNATURE — DATE

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel #: 463-600-0800
Site Name Mission Valley East LRT Project
Site Address CALTRANS RT OF WAY, ADJ. TO 6930-40 ALVARADO RD City San Diego Zip

PROPERTY OWNER CALTRANS (District 11) Phone (619) 688-6158
Mailing Address P.O. Box 85406 City SAN DIEGO State CA Zip 92186-5406

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater

2. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel #: 468-113-0200
Site Name Mission Valley East LRT Project.
Site Address CALTRANS RT OF WAY, ADJ. 6930 ALVARADO RD. City La Mesa Zip

PROPERTY OWNER CALTRANS Phone Same as #1
Mailing Address Same as #1 City Same as #1 State — Zip —

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater

3. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel #: 469-011-2900
Site Name Mission Valley East LRT Project.
Site Address CALTRANS RT OF WAY, ADJ. TO 7051 ALVARADO RD City La Mesa Zip

PROPERTY OWNER CALTRANS Phone Same as #1
Mailing Address Same as #1 City Same as #1 State ✓ Zip —

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater

4. **ASSESSOR'S PARCEL NUMBER** Adjacent Parcel #: 469-011-2900
Site Name Mission Valley East LRT Project.
Site Address N/A SAME AS ABOVE City La Mesa. Zip

PROPERTY OWNER CALTRANS Phone Same as #1
Mailing Address Same as #1 City Same as #1 State — Zip —

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater

G. FEES:

FEE CODE	BASE FEE INCLUDES FIRST BORING/WELL	FEE FOR ADDITIONAL
1 Groundwater MW's Vapor Extraction MW's Vadose Wells	$150.00	____ x $150 = ____
2 Boring/Hydropunch Geoprobes, etc.	$150.00	____ x $90 = ____
3 Destruction	$150.00	____ x $140 = ____

F. SITE INFORMATION

5

2. ASSESSOR'S PARCEL NUMBER Adjacent Parcel #: 469-020-3300
Site Name Mission Valley East LRT Project
Site Address CALTRANS RT. OF WAY ADJ. 7241 Alvarado Rd City La Mesa Zip

PROPERTY OWNER CALTRANS Phone Same as #1
Mailing Address Same as #1 City Same as #1 State ~ Zip ~

NUMBER OF WELLS 1 TYPE OF WELLS Groundwater

6

2. ASSESSOR'S PARCEL NUMBER Adjacent Parcel #: 469-021-0200
Site Name Mission Valley East LRT Project
Site Address CALTRANS RT OF WAY ADJ. 7601 ALVARADO RD City La Mesa Zip

PROPERTY OWNER City of La Mesa Phone (619) 469-6111
Mailing Address 8130 Allison Ave City La Mesa State CA Zip 91941

NUMBER OF WELLS 1 TYPE OF WELLS Groundwater

7

3. ASSESSOR'S PARCEL NUMBER Adjacent Parcel #: 470-031-0200
Site Name Mission Valley East LRT Project
Site Address CALTRANS RT. OF WAY ADJ. TO 5172 GUAVA AVE City La Mesa Zip

PROPERTY OWNER CALTRANS Phone Same as #1
Mailing Address Same as #1 City Same as #1 State ~ Zip ~

NUMBER OF WELLS 1 TYPE OF WELLS Groundwater

4. ASSESSOR'S PARCEL NUMBER
Site Name
Site Address City Zip

PROPERTY OWNER Phone
Mailing Address City State Zip

NUMBER OF WELLS TYPE OF WELLS

G. FEES:

FEE CODE	BASE FEE INCLUDES FIRST BORING/WELL	FEE FOR ADDITIONAL
1 Groundwater MW's Vapor Extraction MW's Vadose Wells	$150.00	____ x $150 = ____
2 Boring/Hydropunch Geoprobes, etc.	$150.00	____ x $90 = ____
3 Destruction	$150.00	____ x $140 = ____

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

- $ For well destruction, complete only #1 below.
- $ Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.
- $ Well driller must have an active C-57 License and current $2,500 bond with the County.
- $ Provide a plot plan giving location of property lines, existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.
- $ If applicable, provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F".
- • Provide encroachment/excavation permit and/or traffic control permit for work to be done in street or public right of way.

1. If wells are to be destroyed, provide a description of method of destruction. Wells will be destroyed in accordance with the SAM Manual

2. What is the proposed purpose of the well/boring? To monitor groundwater levels at various locations along the Mission Valley East LRT Alignment.

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?

The well will have a locking well cap and will be encased in concrete. The concrete will be underlain by a varying amount of bentomite grout or cement slurry.

4. What field procedures will be utilized to determine if contamination exists? Samples will be taken every 5 to 10 feet, and observed for color and oder which may indicate possible contamination.

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

The purpose of our study is for geotechnical use, not hazardous waste evaluation. Therefore we do not know of any contamination on-site or have any suspected reason to encounter it. However, if contaminted soils are encountered, drilling will be terminated and the owner notified.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?

We do not anticipate testing for any hazardous materials (see item 5)

7. How will samples be transported and preserved? We will not be collecting samples for hazardous materials testing. Soil samples for our geotechnical study will be sealed in bags or tubes and taken to our laboratory.

8. What sampling methods will be used? Some bulk samples will be taken from the auger cuttings, and drive samples will be obtained using a 2.5-inch I.D. California Sampler or SPT sampler

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements). If yes, specify these variations.

No

10. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

The drilling equipment will be steam cleaned prior to the start of drilling. Drilling will be terminated, and the equipment will be steam cleaned if contaminated soils are encountered.

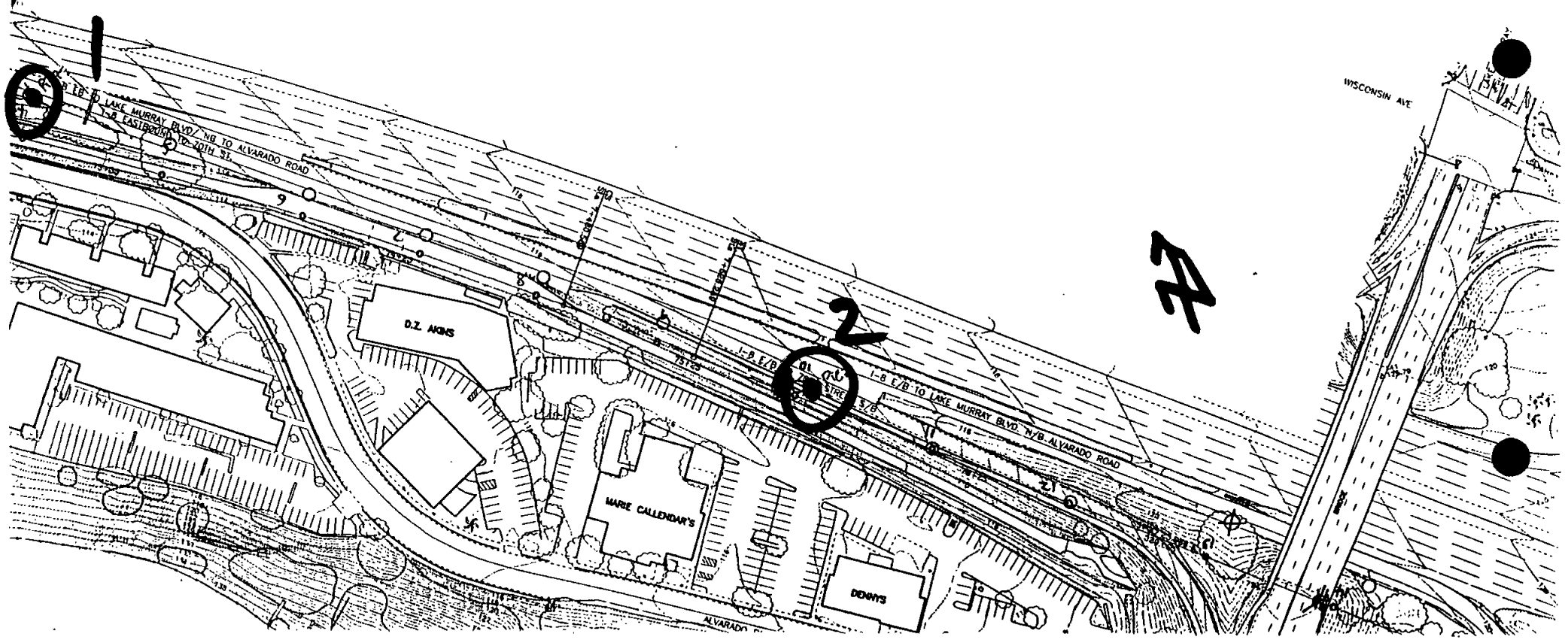
11. What methods will be used to clean sampling equipment? Samplers will be washed in a TSP solution and rinsed with distilled water before drilling. Sampling/drilling will be stopped and samplers washed in TSP if contaminated soils are encountered.

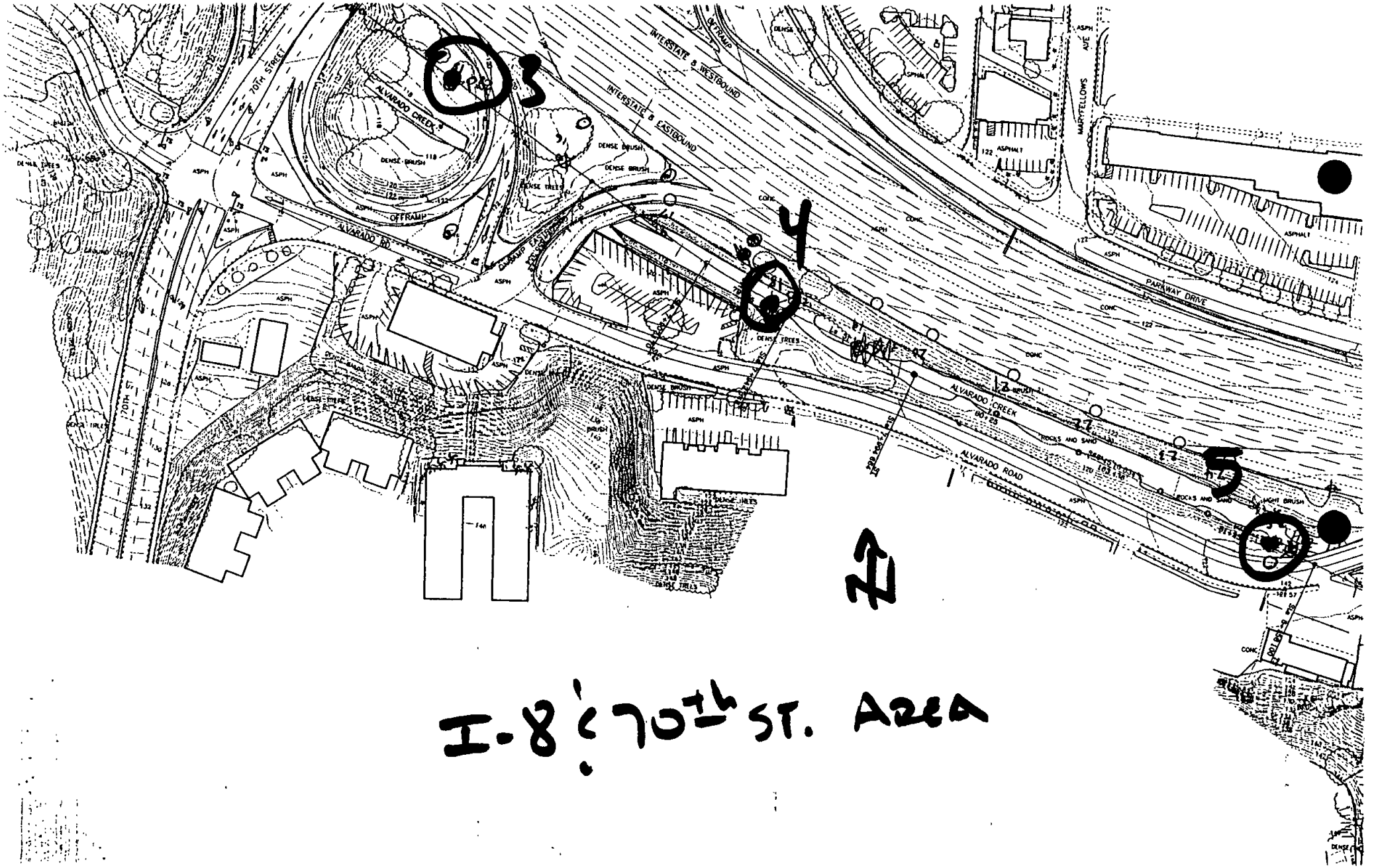
12. What cleaning method will be used to clean casing and screen prior to installation?

Factory cleaned and shipped to site in a plastic container

COPYRIGHT 1998 Thomas Bros. Maps

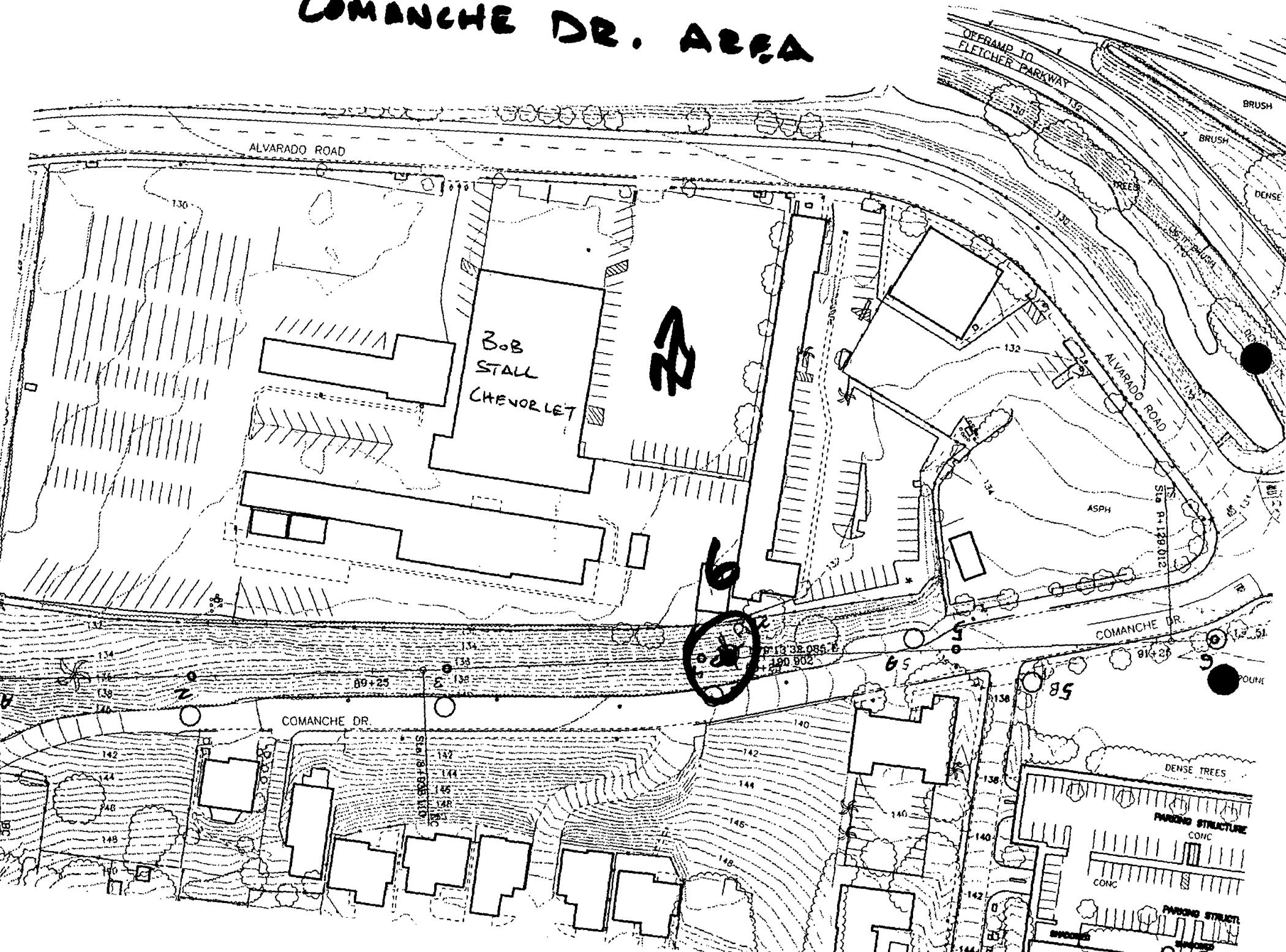
I-8 & 70th St. Area

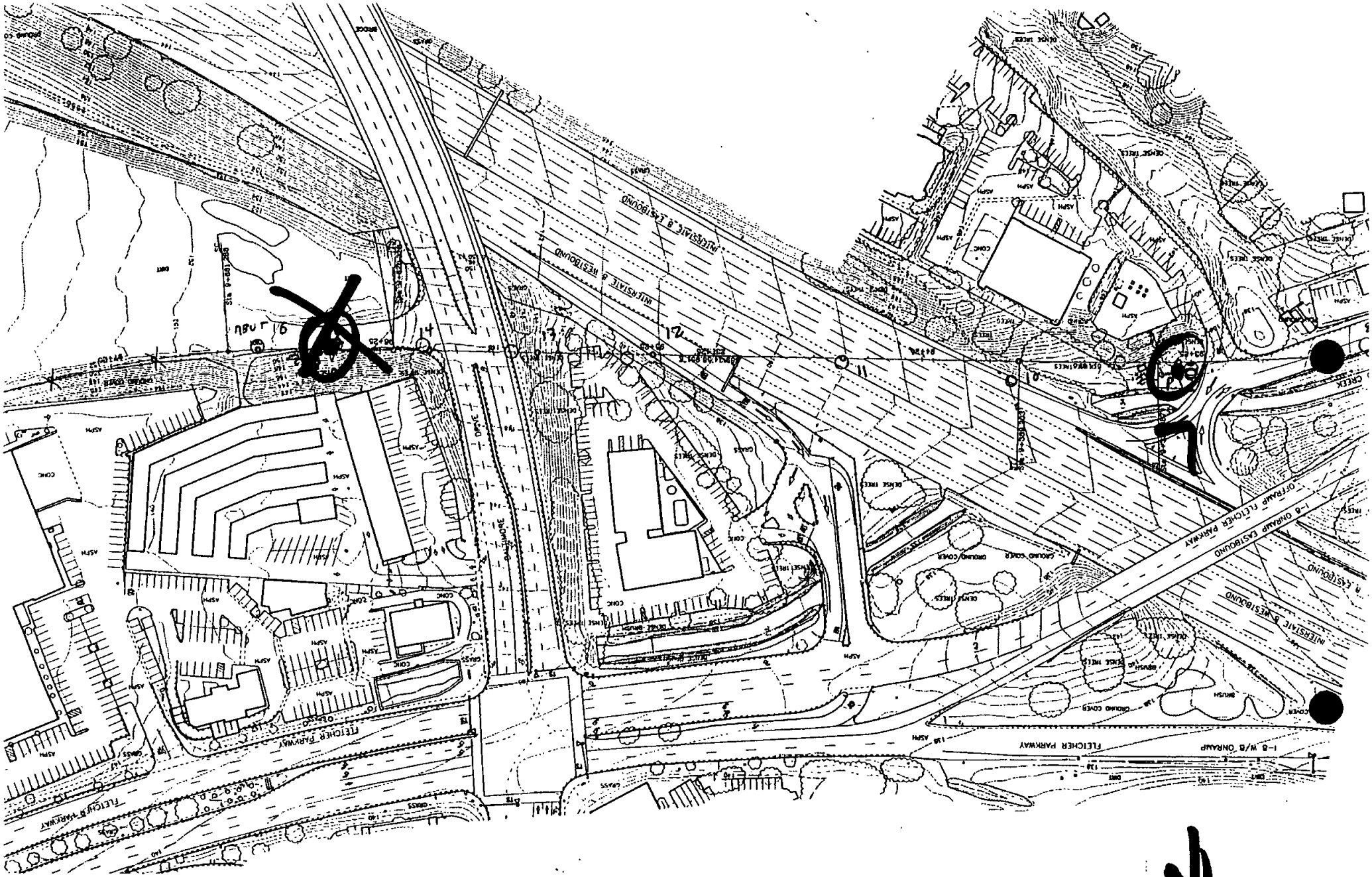




I-8 & 70th St. Area

COMANCHE DR. AREA





BALTIMORE DRIVE AREA

APPLICATION FOR ENCROACHMENT PERMIT

COMMUNITY DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

City of La Mesa, California
Engineering Division
8130 Allison Ave.
P.O. Box 937
La Mesa, Ca 91944-0937
(619) 667-1166

APPLICANT'S NAME: JASON FORD (KLEINFELDER) ***PHONE NO.*** 320-2003
MAILING ADDRESS: 5015 Shoreham Place
JOB ADDRESS: Baltimore between Fletcher Pkwy and I-8
AND COMANCHE between SARANAC AVE and GUAVA

Under the provisions of Chapter 18.16 of the Municipal Code as amended, the city of La Mesa California, I/We hereby request permission to excavate, install public improvements or otherwise work in the public right of way or easement described as follows:
Drawing No/Sketch: 8" to 10" soil borings for MTDB Trolley extension
BORINGS TO BE 30' TO 80' DEEP. BACKFILL w/ 2 SACK SLURRY

*In consideration of the granting of this application the Permittee agrees to, and by this instrument does hold the city of La Mesa, its elective and appointive boards, officers, agents and employees harmless from any liability or claims for work done and material furnished upon the property covered by this permit. Said, permittee further agrees to hold and save harmless the City of La Mesa, its elective and appointive boards, officers, agents and employees harmless from any claim, cause of action, liability or responsibility for any accident, loss or damage to persons c property caused by the negligence of the Permittee, or happening, arising out of the work undertaken pursuant to this permit, or any other permits that may be granted pursuant thereto.

*It is further agreed that if any part of this installation interferes with the future use of the highway by the general public, it must be removed or relocated as designated by the City Engineer at the expense of the permittee or his successor in interest.

DATE OF PERMIT APPLICATION: 5-3-99
PROPOSED PERMIT EXPIRATION DATE:
Staff Engineer.
APPLICANT (SIGN) TITLE

PERMIT AUTHORIZING WORK:

Pursuant to Chapter 18.16 Municipal Code as amended, permission is hereby granted to construct in the public right of way or easement of the City of La Mesa as per application and attached sketch/drawing.

NOTICE
* Permittee is to ~~apply for~~ inspection of installation 24 hours in advance of back fill or concrete pour and otherwise as required by the City Engineer (call 667-1166).
* Before excavating Permittee Shall check with utilities for location of existing sub-structures. Call Underground Service Alert at 1-800-42 4133. Notify two (2) working days (min) before any kind of digging or excavation begins
* All back fill shall be D.G., class 2 material, or as shown on plans.
* Notify the Engineering Division at 667-1166 , 48 hours prior to commencement of any construction operations.

Special Conditions: Work to be done to the City of La Mesa standard dwgs. and specifications, regional standard drawings, A.P.W.A. green book a to the satisfaction of the City Engineer.

Traffic Control plan required prior to commencement of construction. (YES) ~~NO~~

RECEIPT #

E.P. Fee	$ 100.—	2278
Inspection Fee	$ 520.—	"
Cash Deposit/Bond	$ 2000.—	"

City Manager of
THE CITY of LA MESA
By
Office of City Engineer
Date 5-3-99

PERMIT NO.	PERMIT EXPIRES	BOND TYPE
99-084	5-31-99	CASH

This permit is non-transferable. (Note: Attach copy of bond/deposit receipt to the file copy)

White Copy - Control file copy; Yellow Copy - Applicant; Pink Copy - Inspector's Copy

Rev. 6-17-98

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT

TR-0120 (REV. 7/98)

Permit No.	11-99-NSV0373
Dist/Co/Rte/PM	11-SD-8/9.5-10.0
Date	JUNE 2, 1999
Fee Paid	$ EXEMPT
Deposit	$
Performance Bond Amount (1)	$
Payment Bond Amount (2)	$
Bond Company	
Bond Number (1)	
Bond Number (2)	

In compliance with (Check one):

- ☒ Your application of MAY 7, 1999
- ☐ Utility Notice No. _____ of _____
- ☐ Agreement No. 11-4267 of pending
- ☐ R/W Contract No. _____ of _____

PERMIT EXPIRES
June 30, 2000

TO:

Kleinfelder, Inc.
5015 Shoreham Place
San Diego, CA 92122

ATTN: Jason Forga
PHONE: (619) 320-2000

, **PERMITTEE**

and subject to the following, PERMISSION IS HEREBY GRANTED to:

enter upon State Highway right of way in San Diego County, City of La Mesa , on Route 8, post mile 9.2-10.5, to perform soil borings, as shown on attached plans, in accordance with the requirements and conditions contained herein and as further directed or approved by the State's Inspector, Mr. John Lyons telephone number (619) 688-6844.

The State's Inspector shall be notified two working days prior to starting work.

Working hours shall be between 10:00 P.M. and 11:00 A.M., Monday through Friday, or as directed or approved by the State's Inspector

No vehicles or equipment shall be parked within the highway right of way at any time, except for those vehicles or that equipment actually engaged in the work, during the working hours specified herein.

(continued)

The following attachments are also included as part of this permit (Check applicable):

☒ Yes		General Provisions
☐ Yes	☒ No	Utility Maintenance Provisions
☐ Yes	☒ No	Special Provisions
☐ Yes	☒ No	A Cal-OSHA permit required prior to beginning work;
☐ Yes	☒ No	The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

In addition to fee, the permittee will be billed actual costs for:

☐ Yes	☒ No	Review
☐ Yes	☒ No	Inspection
☒ Yes	_____	Field Work

(If any Caltrans effort expended)

This permit is void unless the work is complete before June 30, 2000
This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized.
No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

SSD:ssd
cc:Permits
MNusz, Reg. Mgr
BBeitl, Elect. Mtce.
Permittee
JLyons, Insp

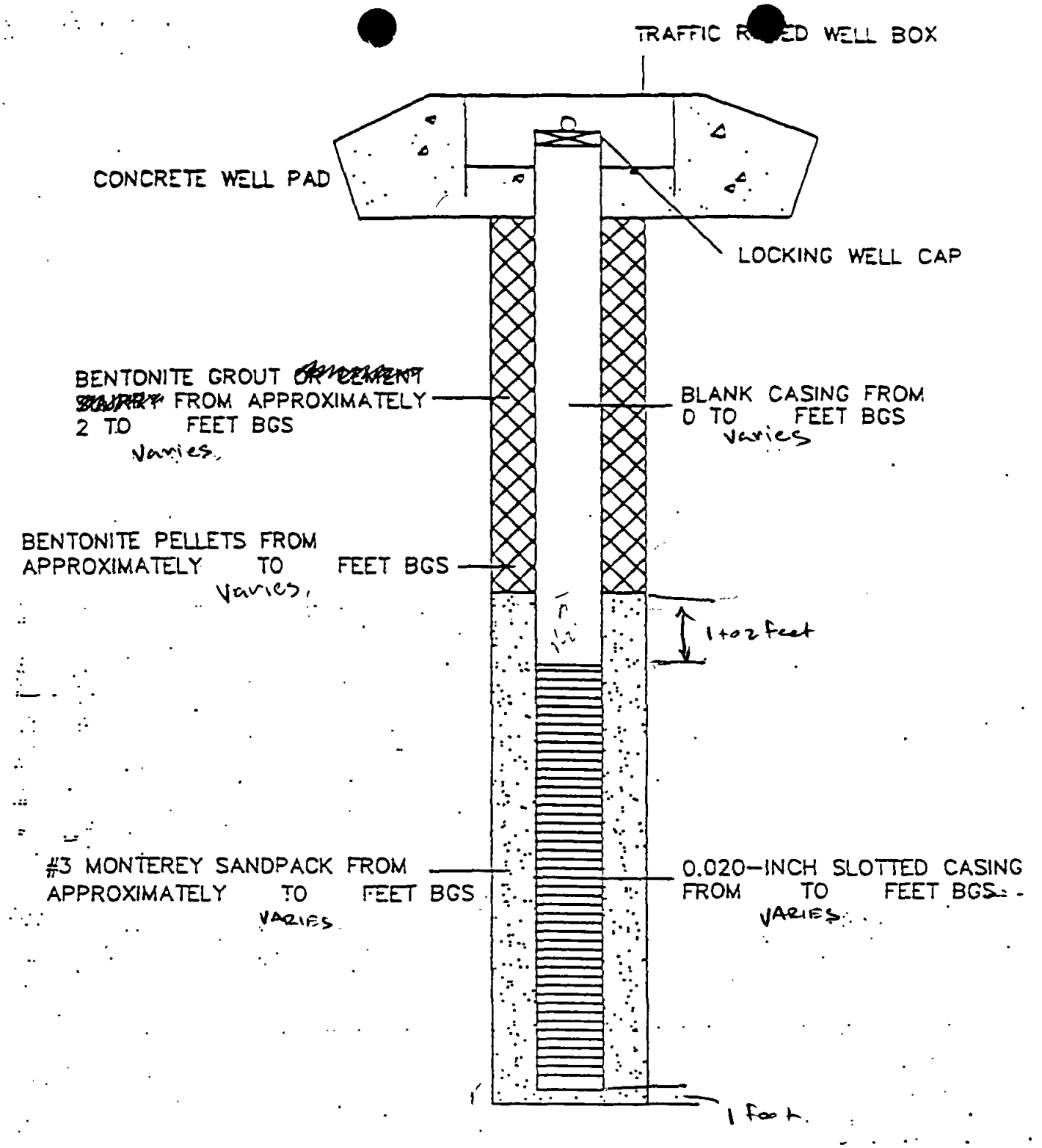
APPROVED

Gary L. Gallegos, District Director

BY. C J Cutler

Chris D. Cutler, District Permit Engineer

FM 91 1436



NOT TO SCALE

KLEINFELDER

41743 ENTERPRISE CIRCLE NORTH
TEMECULA, CALIFORNIA 92590

TEXACO SERVICE STATION #

WELL CONSTRUCTION DIAGRAM

DATE:	PROJECT: 51-	APPROVAL:	FIGURE
	DRAWN BY: JS		

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
LAND AND WATER QUALITY DIVISION

RICHARD HAAS
ASSISTANT DIRECTOR

OFFICIAL NOTICE

JULY 14, 2000

KLEINFELDER, INC.
Attn: KEVIN CRENNAN
5015 SHOREHAM PL
SAN DIEGO, CA 92122

Dear Mr. CRENNAN :

EXPIRED WELL PERMIT
MISSION VALLEY E. LRT PROJECT, ALVARADO RD @I-8 MURRAY BLVD TO BALTIMORE DR, SAN DIEGO, CA,
A.P.N. 463-600-08 PERMIT #W98307 EST. #HNONE

As of JULY 14, 2000, the Department of Environmental Health (DEH), Site Assessment & Mitigation Program (SAM) has not received information regarding the above-referenced permit issued on DECEMBER 22, 1999 for the drilling of wells and/or borings.

Within 30 days, please submit the following information:

1. Provide a detailed site plan giving accurate locations of all wells and borings. The site plan should be drawn to scale.

2. Provide complete well logs, which include well construction details, lithologic log, static water level including date of measurement, and, if available, the surveyed casing elevation.

3. Provide all laboratory analysis data if there was/is no site assessment case.

A failure to provide information regarding this permit is a misdemeanor violation of Section 67.447 of the San Diego County Code, which will result in further action, including, but not limited to, an Administrative Office Hearing and a complaint being filed by this department with the State Contractors Licensing Board. Thank you for your cooperation. Should you have any questions, please contact me at (619) 338-2339.

Sincerely,

Marisue Crystal, Monitoring Well Permit Clerk
Site Assessment and Mitigation Program (SAM)

Enclosure (Permit Application Summary from TWIST)

COPY

KLEINFELDER
An employee owned company

RECEIVED
FEB 21 8 32 AM '01
ENVIRONMENTAL
HEALTH SERVICES

February 13, 2001
Project No. 51-511700-002

Mr. Jim Hecht
Metropolitan Transit Development Board
1255 Imperial Avenue, Suite 1000
San Diego, California 92101-7490

Subject: Monitoring Well Construction Deficiencies
Mission Valley East LRT Project
San Diego, California

Reference: "Monitoring Well Construction Deficiencies, Mission Valley LRT Project (Caltrans Right-of Way), Alvarado Rd. @ I-8, Murray Blvd. To Baltimore Dr. San Diego, Ca, A.P.N. 470-031-02, et al, Permit #W98307" prepared by County of San Diego Department of Environmental Health, dated January 31, 2001.

Dear Mr. Hecht:

This letter is in response to the referenced Notice of Monitoring Well Deficiencies prepared by the County of San Diego Department of Environmental Health. The Notice documents three violations that were observed during inspection of the five monitoring wells installed for the La Mesa Segment of the MVELRT project. We understand that wells will be utilized during future construction of the project and will be properly abondoned at that time. In accordance with the County request, Kleinfelder will correct the deficiencies in accordance with the standards of the Site Assessment and Mitigation Program prior to March 9, 2001.

Very truly yours,

KLEINFELDER, INC.

Kevin M. Crennan, P.E.
Senior Engineer

KMC:ldb
CC Marisue Crystal, County of San Diego DEH
Owen Chung, Caltrans

Copyright 2001 Kleinfelder, Inc.

KLEINFELDER 5015 Shoreham Place, San Diego, CA 92122 (858) 320-2000 (858) 320-2001 fax

KLEINFELDER
An employee owned company

RECEIVED
AUG 14 12 07 PM '00
ENVIRONMENTAL HEALTH SERVICES

August 10, 2000
Project No. 51-511700-111

call for letter map

Ms. Marisue Crystal
County of San Diego
Department of Environmental Health
P.O. Box 129261
San Diego, California 92112-9261

Log Review
8/28/00 wg
5 wells constructed

Subject: Well Boring Information
Mission Valley East, LRT
San Diego, California
Well Permit #98307

Dear Ms. Crystal:

In response to your letter dated July 14, 2000, and the requirements of County of San Diego Well Permit #98307, we have enclosed our boring well information for the Mission Valley East, LRT project located in San Diego, California. The following information has been provided:

- A site plan of the boring/well locations; and
- Logs of boring/wells showing the static water level and a description of the well construction.

The boring/wells were constructed to monitor groundwater elevations for geotechnical purposes only. Analytical laboratory testing was not performed on any soil or water for these boring/well locations.

We trust that this provides you with the information needed at this time. Please call our San Diego office (858) 320-2000 if you have any questions.

Sincerely,

KLEINFELDER, INC.

Kevin Crennan

Kevin Crennan
Senior Engineer

REGISTERED PROFESSIONAL ENGINEER
KEVIN M. CRENNAN
No. 54045
Exp. 12/31/03
CIVIL
STATE OF CALIFORNIA

KMC:mkr

51-511700-111/5110L379.doc
Copyright 2000 Kleinfelder, Inc.

August 10, 2000

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	L-117

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 7+697, No Offset	1/10/00	1/10/00	1 of 3

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Jason Forga	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/ELEV. GROUND WATER (m)
Canterra 450L	203	20.1 / 65.9'	124.5 / 408.4'	▼ 7.0 / ~~385.8~~ 117.5m

SAMPLING METHOD

NOTES: Depressed Section 231

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
0	124								Asphalt Concrete: 90 mm thick over 125 mm aggregate base
									FILL (Qaf):
									CLAYEY GRAVEL with SAND and COBBLES (GC), dense to very dense, yellow brown, moist, fine to coarse grained sand and gravel, some cobbles up to 125 mm, low plasticity
1									Encountered groundwater at 7.0 m
	123		1	50/75 mm					
2									
	122								
3									
	121								
4									
	120								
			2	41/125 mm					
5									Trace of organics
	119								
6									Increasing cobble content
	118								
7									▼ Color change to brown between 6.7 m to 7.3 m
	117								**STADIUM CONGLOMERATE (Tst):**
			3	50/0 mm					**SILTY GRAVEL with SAND and COBBLES (GM),** very dense, yellow brown, moist, fine to coarse grained sand and gravel, cobbles up to 150 mm, low plasticity
8			4						
	116								
9									
	115								

KLEINFELDER, INC.
IN ASSOCIATION WITH
GROUP DELTA CONSULTANTS, INC.

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE A - 19

SOIL LOG LAMESA.GPJ TROLLEY.GDT 7/26/00

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	L-117

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 7+697, No Offset	1/10/00	1/10/00	2 of 3

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Jason Forga	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	20.1	124.5	▼ 7.0 / *117.5*

SAMPLING METHOD

NOTES: Depressed Section

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
11	114	⊠	5						
12	113								
13	112								
14	111	⊠	6						
15	110								
16	109								
17	108	⊠	7						
18	107								
19	106								
	105	⊠	8						

KLEINFELDER, INC.
IN ASSOCIATION WITH
GROUP DELTA CONSULTANTS, INC.

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE A - 19

SOIL LOG LAMESA GPJ TROLLEY.GDT 7/26/00

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	L-117

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 7+697, No Offset	1/10/00	1/10/00	3 of 3

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Jason Forga	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	20.1	124.5	▼ 7.0 / *117.5*

SAMPLING METHOD

NOTES: Depressed Section

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
21	104								Borehole stopped at 20.1 m Set groundwater well Groundwater encountered at 13.7 m *No caving observed* Groundwater measured at 6.8 m on 5/4/00 <u>Well description:</u> Slotted casing from 16.8 m to 2.6 m #3 Lodestar sand from 16.8 m to 7.0 m Bentonite from 7.0 m to 0.61 m Concrete well pad from 0.61 m to 0 m Well has a locking well cap and is covered with a traffic rated well box
22	103								
23	102								
24	101								
25	100								
26	99								
27	98								
28	97								
29	96								
	95								

SOIL LOG LAMESA.GPJ TROLLEY.GDT 7/26/00

KLEINFELDER, INC.
IN ASSOCIATION WITH
GROUP DELTA CONSULTANTS, INC.

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE A - 19

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	L-127

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 7+909, 1.5 m LT 'EB' Line	2/28/00	2/28/00	1 of 2

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Jason Forga	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	14.0	120.1	▼ 2.0 / *118.1*

SAMPLING METHOD

NOTES

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
0	120								125 mm of asphalt concrete
									FILL (Qaf):
1	119								**CLAYEY GRAVEL with COBBLES (GC),** dense, brown, moist, fine to coarse grained sand and gravel, cobbles up to 170 mm, low plasticity
2	118	⊠	1						**ALLUVIUM (Qal):** ▼ **SANDY gravel with COBBLES (GP),** medium dense, brown, wet, fine to coarse grained sand and gravel, cobbles up to 150 mm. Groundwater encountered at 2.0 m
3	117								**STADIUM CONGLOMERATE (Tst):** **CLAYEY GRAVEL with COBBLES (GC),** very dense, yellow brown, wet, fine to coarse grained sand and gravel, cobbles up to 150 mm, low plasticity
4	116								
5	115	⊠	2						Approximately 0.6 m to 0.9 m thick fine to medium grained sand lense
6	114								
7	113								Sand lense at 7.6 m
8	112	⊠	3						
9	111								Groundwater encountered at 9.44 m

KLEINFELDER, INC.
IN ASSOCIATION WITH
GROUP DELTA CONSULTANTS, INC.

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FIGURE A - 29

SOIL LOG LAMESA GPJ TROLLEY.GDT 7/26/00

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	L-127

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 7+909, 1.5 m LT 'EB' Line	2/28/00	2/28/00	2 of 2

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Jason Forga	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	14.0	120.1	▼ 2.0 / *118.1*

SAMPLING METHOD

NOTES

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
0	110								
11	109	☒	4						
12	108								
13	107								
14	106								Borehole stopped at 14.0 m Groundwater observed at 9.4 m No caving observed Set well at 9.1 m Groundwater measured at 0.4 m on 5/4/00 *Well description:* Slotted casing from 9 m to 3.1 m #3 Lodestar sand from 9 m to 2.4 m Bentonite from 2.4 m to 0.61 m Concrete well pad from 0.61 m to 0 m Well has a locking well cap and is covered with a traffic rated well box
15	105								
16	104								
17	103								
18	102								
19	101								

SOIL LOG LAMESA GPJ TROLLEY GDT 7/26/00

KLEINFELDER, INC.
IN ASSOCIATION WITH
GROUP DELTA CONSULTANTS, INC.

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FIGURE A - 29

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	L-135

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 8+132, 3 m RT 'EB' Line	2/29/00	2/29/00	1 of 2

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Scott Rugg	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	13.7	122.5	▼ 4.0 / *118.5*

SAMPLING METHOD

NOTES: Caltrans lot East of Guava, La Mesa

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
									125 mm asphalt concrete over 100 mm aggregate base
1	122								**FILL (Qaf):** **CLAYEY SAND with GRAVEL (SC),** medium dense, medium brown, moist
2	121								
3	120								**ALLUVIUM (Qal):** **CLAYEY SAND with GRAVEL (SC),** medium dense, gray, moist
4	119								
		⊠	1						▼ Groundwater encountered at 4.0 m
5	118								
6	117								**STADIUM CONGLOMERATE (Tst):** **CLAYEY SAND (SC),** very dense, medium brown, moist, medium grained
7	116	⊠	2						
8	115								
9	114								**CLAYEY SAND with GRAVEL (SC),** very dense, medium brown, wet
	113								

SOIL LOG LAMESA GPJ TROLLEY.GDT 7/26/00

KLEINFELDER, INC.
IN ASSOCIATION WITH
GROUP DELTA CONSULTANTS, INC.

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FIGURE A - 37

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	L-135

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 8+132, 3 m RT 'EB' Line	2/29/00	2/29/00	2 of 2

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Scott Rugg	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	13.7	122.5	▼ 4.0 / *118.5*

SAMPLING METHOD

NOTES: Caltrans lot East of Guava, La Mesa

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
11	112								Clay content increases
12	111								
13	110								
14	109								
15	108								Bottom of borehole at 13.7 m Groundwater encountered at 4.0 m Borehole converted to monitoring well Groundwater depth at 1.8 m on 5/4/00 Caved to 11.9 m Well description: Slotted casing from 11 m to 9.1 m #3 Lodestar sand from 11 m to 8.5 m Bentonite from 8.5 m to 0.61 m Concrete well pad from 0.61 m to 0 m Well has a locking well cap and is covered with a traffic rated well box
16	107								
17	106								
18	105								
19	104								
	103								

SOIL LOG LAMESA GPJ TROLLEY.GDT 7/26/00

KLEINFELDER, INC.
IN ASSOCIATION WITH
GROUP DELTA CONSULTANTS, INC.

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE A - 37

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	BV-202

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 8+998, 11 m Right 'EB' Line	8/24/99	8/24/99	1 of 3

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Jason Forga	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	21.3	140.0	▼ 12.2 / *127.8*

SAMPLING METHOD

NOTES: Bent 2 - Baltimore Viaduct

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
									60 mm of asphalt on 100 mm of aggregate base
									STADIUM CONGLOMERATE (Tst):
									CLAYEY GRAVEL (GC), very dense, yellow brown, moist, fine to coarse grained sand and gravel, cobbles up to 150 mm, low plasticity
1	139								
		■	1	50/125 mm					
2	138								
3	137	■	2	50/100 mm					
4	136								
		■	3	50/50 mm					
5	135								
									Sand lense
6	134	■	4	50/75 mm					
7	133								
8	132								
9	131	■	5	100/100 mm					
		⊠	6						

SOIL LOG BLTIMORE.GPJ TROLLEY.GDT 7/26/00

KLEINFELDER, INC.
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FIGURE A - 4

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	BV-202

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 8+998, 11 m Right 'EB' Line	8/24/99	8/24/99	2 of 3

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Jason Forga	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	21.3	140.0	▼ 12.2 / *127.8*

SAMPLING METHOD

NOTES: Bent 2 - Baltimore Viaduct

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
11	129								
12	128		7	50/25 mm					▼ Groundwater encountered at 12.2 m
13	127								
14	126								
15	125		8						
16	124								
17	123								
18	122		9						
19	121								

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FIGURE A - 4

SOIL LOG BLTIMORE.GPJ TROLLEY.GDT 7/26/00

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	BV-202

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 8+998, 11 m Right 'EB' Line	8/24/99	8/24/99	3 of 3

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion	Jason Forga	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	21.3	140.0	▼ 12.2 / *127.8*

SAMPLING METHOD

NOTES: Bent 2 - Baltimore Viaduct

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
21	119	⊠	10						**SANTIAGO PEAK VOLCANICS (Jsp):**
									ANDESITE, dark greenish gray, slightly weathered to fresh, hard, massive, fine grained, moderately fractured
									Refusal at 21.4 m
									Groundwater encountered at 12.2 m
22	118								No caving
									Backfilled with cement grout
									Well description:
23	117								Slotted casing from 16.7 m to 7.6 m
									#3 Lodestar sand from 16.7 m to 7.0 m
									Bentonite from 7.0 m to 0.6 m
24	116								Concrete well pad from 0.6 m to 0 m
									Well has a locking well cap and is covered with a traffic rated well box
25	115								
26	114								
27	113								
28	112								
29	111								

SOIL LOG BLTIMORE.GPJ TROLLEY.GDT 7/26/00

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FIGURE A - 4

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	BV-208

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 9+313, 7 m Left 'EB' Line	2/16/00	2/16/00	1 of 4

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion, ODEX Casing to 11.0 m	Scott Rugg	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	30.2	135.3	▼ 3.7 / *131.6*

SAMPLING METHOD

NOTES: Bent 7 - Baltimore Viaduct

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
0	135								
		⊠	1						**FILL (Qaf):** **CLAYEY SAND with GRAVEL (SC),** medium dense, medium brown, moist, low plasticity, contains minor amount of rootlets
1	134								
		■	2	96					**ALLUVIUM (Qal):** **WELL GRADED SAND with GRAVEL (SW),** dense, medium gray, wet
2	133								
3	132								
									CLAYEY SAND with GRAVEL (SC), dense, medium brown, moist to wet ▼ Groundwater encountered at 3.7 m
4	131								
		■	3	40/75 mm					No recovery due to cobble
5	130								**STADIUM CONGLOMERATE (Tst):** **SILTY SAND with GRAVEL (SM),** very dense, yellow brown, wet, some gravel, with cobbles Sand lense from 5.2 m to 5.5 m
6	129								
		⊠	4						
7	128								Sand lense from 7.32 m to 7.62 m
8	127								**SILTY GRAVEL with SAND (GM),** very dense, medium brown, wet, medium grained with gravel and cobble
9	126								

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FIGURE A - 10

SOIL LOG BLTIMORE GPJ TROLLEY.GDT 7/26/00

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	BV-208

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 9+313, 7 m Left 'EB' Line	2/16/00	2/16/00	2 of 4

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion, ODEX Casing to 11.0 m	Scott Rugg	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	30.2	135.3	▼ 3.7 / *131.6*

SAMPLING METHOD

NOTES: Bent 7 - Baltimore Viaduct

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
11	125								ODEX casing set to 11.0 m, open from 11.0 m to 30.0 m
	124								
12									**CLAYEY GRAVEL with SAND (GC),** very dense, medium brown, wet, medium plasticity, fine to medium grained sand with gravel and cobble
	123								
13									Thin clay lenses 11.9 m to 13.7 m
	122								
14									
	121								**SILTY GRAVEL with SAND (GM),** very dense, gray brown, wet, fine to medium grained sand with gravel and cobble
15									Harder drilling and possible cemented layer at 14.3 m to 16.2 m
	120								
16									
	119								
17									
	118								Color change to yellow brown
18									
	117								
19									
	116								

SOIL LOG BLTIMORE GPJ TROLLEY GDT 7/26/00

KLEINFELDER, INC.
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FIGURE A - 10

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	**BV-208**

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 9+313, 7 m Left 'EB' Line	2/16/00	2/16/00	3 of 4

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion, ODEX Casing to 11.0 m	Scott Rugg	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	30.2	135.3	▼ 3.7 / *131.6*

SAMPLING METHOD

NOTES: Bent 7 - Baltimore Viaduct

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
21	115								
	114								
22	113								
23	112								
24	111								
25	110								
26	109								**SILTY GRAVEL with SAND (GM)**, very dense, medium brown, wet, fine to medium grained with gravel and cobble
27	108								
28	107								
29	106								Occasional cobble and gravel lenses 25.6 m to 30.1 m

KLEINFELDER, INC.
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FIGURE A - 10

SOIL LOG BLTIMORE.GPJ TROLLEY.GDT 7/26/00

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
MISSION VALLEY EAST LRT EXT.	51-5117-00-106	BV-208

SITE LOCATION	START	FINISH	SHEET NO.
'EB' Sta. 9+313, 7 m Left 'EB' Line	2/16/00	2/16/00	4 of 4

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Tri-County Drilling	Air Percussion, ODEX Casing to 11.0 m	Scott Rugg	Kevin Crennan

DRILLING EQUIPMENT	BORING DIA. (mm)	TOTAL DEPTH (m)	GROUND ELEV (m)	DEPTH/*ELEV.* GROUND WATER (m)
Canterra 450L	203	30.2	135.3	▼ 3.7 / *131.6*

SAMPLING METHOD

NOTES: Bent 7 - Baltimore Viaduct

DEPTH (m)	ELEVATION (m)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS/0.3 m)	DRY DENSITY (kN/m3)	MOISTURE (%)	OTHER TESTS	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	105								Stopped at 30.1 m Water rose to surface 45 minutes after drilling completed
31	104								Well description:
32	103								Slotted casing from 12.7 m to 0.6 m #3 Lodestar sand from 12.7 m to 0.6 m Bentonite from 0.6 m to 0 m Concrete well pad from 0.6 m to 0 m Well has a locking well cap and is covered with a traffic rated well box
33	102								
34	101								
35	100								
36	99								
37	98								
38	97								
39	96								

SOIL LOG BLTIMORE GPJ TROLLEY.GDT 7/26/00

KLEINFELDER, INC.
IN ASSOCIATION WITH
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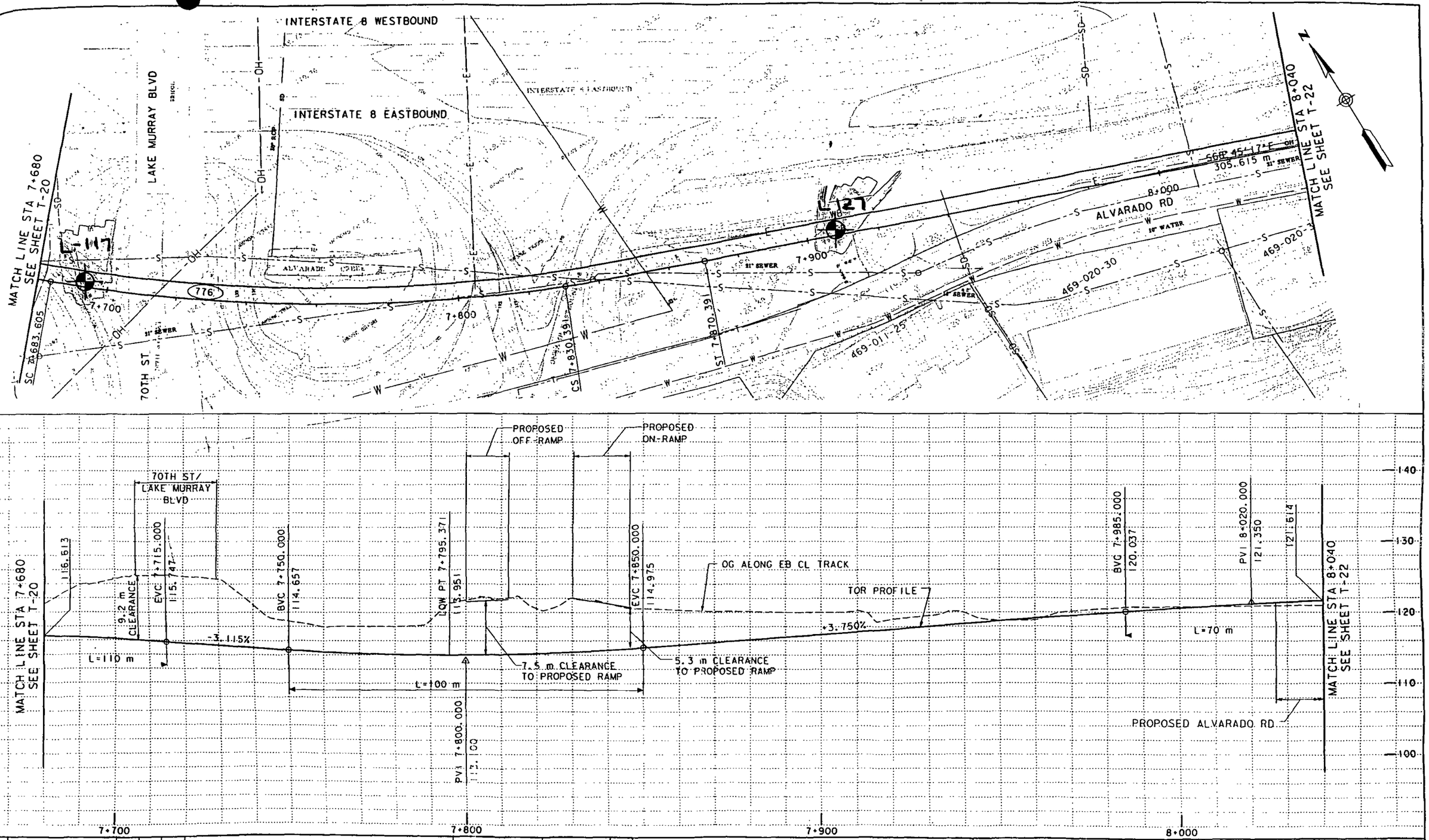
FIGURE A - 10



NO.	DATE	REVISIONS	BY	CHK	APRV

Mission Valley Designers
A joint venture of
Parsons Brinckerhoff Quade & Douglas, Inc.
Parsons Transportation Group, Inc.
707 Broadway, Suite 1620 San Diego, California 92101 619-744-0954

PRELIMINARY SUBMITTAL JAN. 03, 2000

		DATE
DESIGNED BY	VK	01/00
DRAWN BY	TG	01/00
CHECKED BY	LCG	01/00
MTDB PRJ. ENG.	JH	01/00

MTDB
Metropolitan Transit Development Board
1255 Imperial Avenue, Suite 1000, San Diego, CA. 92101-7490 (619) 231-1466

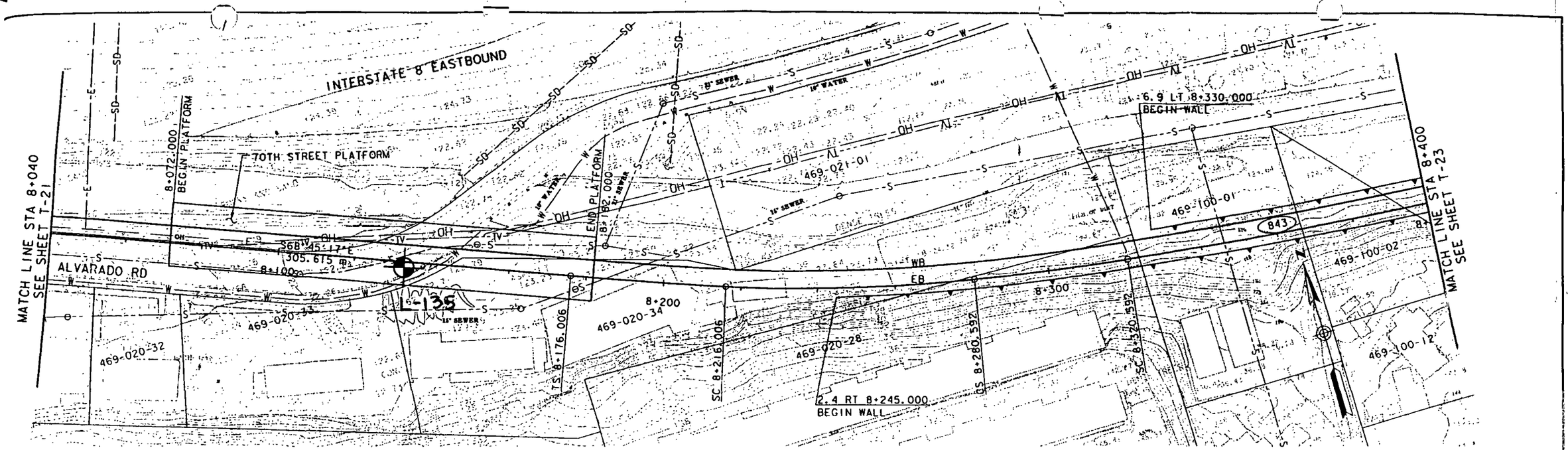
MISSION VALLEY EAST LRT PROJECT
LA MESA SEGMENT

PLAN AND PROFILE
STA 7+680 TO STA 8+040

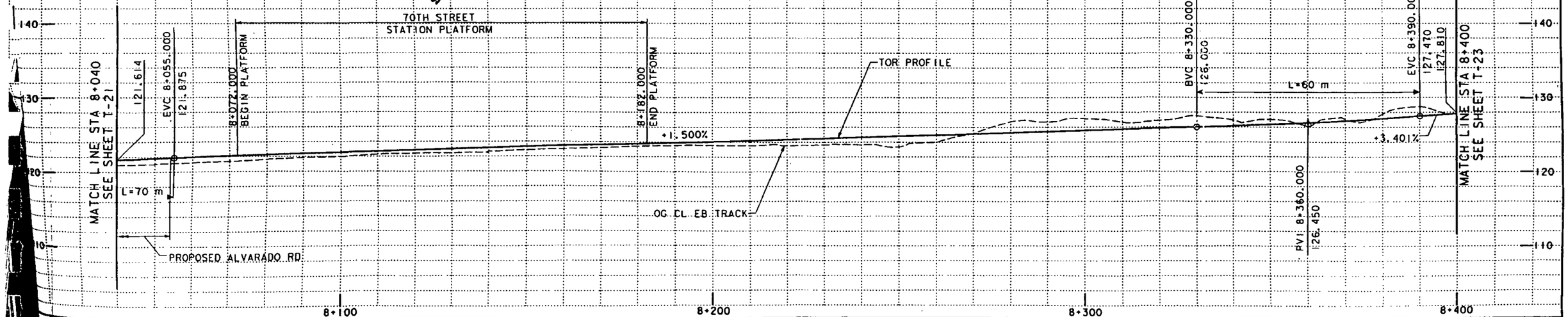
SCALE HORZ 1:500 VERT 1:250
MTDB CONTRACT NO. LRT-426.X
DRAWING NO. T-21
SHEET NO. -

\lamesa\t5-track\sheets\1426c21.dgn
JAN 100 08:42:37 TEG

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80



Side of Body on Alvarado Rd
Most East side of street
7255 ALVARADO RD.



DATE	REVISIONS	BY	CHK	APRV

Mission Valley Designers
A joint venture of
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Parsons Transportation Group, Inc.
707 Broadway, Suite 1620 San Diego, California 92101 619-744-0954

PRELIMINARY SUBMITTAL JAN. 03, 2000

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DESIGNED BY	VK	01/00
DRAWN BY	TG	01/00
CHECKED BY	LCG	01/00
MTDB PRJ. ENG.	JH	01/00

MTDB
Metropolitan Transit Development Board
1255 Imperial Avenue, Suite 1000, San Diego, CA. 92101-7490 (619) 231-1466

MISSION VALLEY EAST LRT PROJECT
LA MESA SEGMENT

PLAN AND PROFILE
STA 8+040 TO STA 8+400

SCALE	HORZ 1:500 VERT 1:250
MTDB CONTRACT NO.	LRT-426.X
DRAWING NO.	T-22
SHEET NO.	-

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

C:\mvso\t5-track\sheets\1426c22.dgn
JAN 100 08:26:53 TEG

Inspect site first

GARY W. ERBECK
DIRECTOR

County of San Diego

RICHARD HAAS
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

OFFICIAL NOTICE

~~March 5, 2002~~

DRAFT

Earth Tech
Attn: Gregory Delson, R.G.
9675 Business Park Avenue
San Diego, CA 92131

SID'S AUTO BODY, 7255 ALVARADO RD, LA MESA, CA 91941
WELL PERMIT #W99755 APN: 469-020-34 ESTABLISHMENT #H22376

Dear Mr.Delson:

On ~~this date~~ 3/5/02 DEH staff reviewed the Drilling Report and Well Logs submitted by Earth Tech and dated 09/07/01. The permit application proposed ~~4~~foot concrete surface seals, and the permit issued to Earth Tech was based on those proposed construction details. The well completion data provided in the logs for MW-1 and MW-2 states that only a 1-foot seal was installed in these 2 wells.

In reviewing the construction diagrams, it was not evident that it was necessary to install surface seals that did not meet a minimum depth of at least ~~2 feet~~ 3ft for mw-1 & 2 ft for mw2. Therefore, please reinstall the seals for MW-1 and MW-2 ensuring that they meet a minimum 2-foot depth and are able to withstand the maximum anticipated load without cracking or deteriorating. The concrete should meet Class A specifications, which meets or exceeds the structural loads anticipated for the site. [SAM Manual Appendix B, Page B-16]

Please **respond by March 19** either by phone or mail, detailing when the ell construction deficiencies will be addressed. The deficiencies must be **remedied by April 2, 2002**.

Sincerely,

Marisue Crystal, Environmental Health Technician
Department of Environmental Health
Site Assessment and Mitigation Program

cc: Jim Hect, Metropolitan Transit Development Board
SAM case file H22376-001
Manuel Marquez, THF Drilling Co.

DEPARTMENT OF ENVIRONMENTAL HEALTH
MONITORING WELL COMPLIANCE/DRILLING INSPECTION REPORT

APN 469-020-34
PERMIT# W99755
EST.# H22376
INSPECTION DATE: 03/12/2002

RESPONSIBLE PARTY: M.T.D.B.
ATTN: JIM HECHT
1255 IMPERIAL AV, SUITE 1000
SAN DIEGO, CA 92101

SITE NAME: SID'S AUTO BODY
SITE ADDRESS: 7255 ALVARADO RD
LA MESA, CA 91941

CONSULTANT: EARTH TECH

DRILLING CO: THF DRILLING

MONITORING WELL	VADOSE WELL	BORING	DESTRUCTION	AIR SPARGE WELL
3				

EXTERIOR	WELL LOCATION NUMBER	MW-1	MW-2	MW-3							
	COVER CONDITION	G	G	G							
	PERIMETER SEAL CONDITION	G	G	G							
	STRUCTURE DRAINAGE	G	G	G							
	SECURED	Y	Y	Y							
INTERIOR	TYPE OF SEAL	C	C	C							
	INNER VAULT INTEGRITY	G	G	G							
	CASING TYPE	4"PVC	4"PVC	4"PVC							
	LOCKED CAP	Y	Y	Y							
	SEALED CAP	Y	Y	Y							
	LIQUIDS PRESENT	Y-1/2"	Y***	N							

G = Good P = Poor B = Bentonite Y = Yes M = Missing V = Visual Inspection Only
F = Fair C = Concrete S = Soil N = No U = Unable to Locate * = Other

REMARKS – **MW-2:** WELL COVER BOLTS VERY LOOSE – WELL VAULT COMPLETELY FULL OF LIQUID. **REMOVE WATER FROM VAULT WITHIN NEXT TEN DAYS -- NOTIFY ME AT THE PHONE NUMBER BELOW WHEN THIS HAS BEEN ACCOMPLISHED.**

M Crystal

OFFICIAL NOTICE ISSUED
NO

MARISUE CRYSTAL (619) 338-2013
ENVIRONMENTAL HEALTH TECHNICIAN

Land and Water Quality Division, Site Assessment & Mitigation Program, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2223

cc: GREGORY DELSON, EARTH TECH
VALERIE J. BARNEY, TRUSTEE

PERMIT # W99755
A.P.N. 469-020-34
EST # H22376

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: SID'S AUTO BODY

SITE ADDRESS: 7255 ALVARADO ROAD, LA MESA, CA 91941

PERMIT FOR: **INSTALL 3 GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: MAY 1, 2001

PERMIT EXPIRES ON: AUGUST 29, 2001

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.
2. All wash water must be contained and disposed of properly.
3. Submit complete laboratory data for both soil and groundwater with the well logs.
4. Submit all the information specified in the 2000 SAM Manual in:

   Section 5, Page 3 (1)

5. All water and soil placed in drums must be labeled and stored as specified in the 2000 SAM Manual in:

   Section 5, Page 7, (5)

6. This office must be given 48 hour notice of any drilling activity on this site. Please contact the Well Permit Desk at (619) 338-2339.
7. This office must be given advanced notification of drilling cancellation. Please contact the Well Permit Desk at (619) 338-2339.

NOTE: **This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Workplans are required for all unauthorized release - investigations in San Diego County.**

APPROVED BY: **Robert Rapista** DATE: 03/29/01

Notified: Left vm 5/03/01 EP

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

RECEIVED
2001 APR 25 PM 3 29
D. E. H.
MAILROOM

OFFICE USE ONLY	
PERMIT#:	W 99755
SAM CASE Y/N	H 22376
DATE RECEIVED:	4/25/01
FEE PAID:	CK 1763 $450

A. RESPONSIBLE PARTY Metropolitan Transit Development Board Phone (619) 231-1466
Mailing Address 1255 Imperial Avenue, Suite 1000 City San Diego State CA Zip 92101-7490
Contact Person Jim Hecht Phone (619) 231-1466 ext. —

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H ~~22376~~

C. CONSULTING FIRM Earth Tech
Mailing Address 9675 Business Park Ave. City San Diego State CA Zip 92131-1644
Registered Professional Gregory W. Delson Registration # RG 6983 (RG) RCE, CEG)
Contact Person Adrianne Saboya Phone (858) 536-5610 ext. NA

D. DRILLING COMPANY THF Drilling Inc. C57# 505990 Phone 909-357-0881
Mailing Address 9431 Resenda Ave City Fontana State CA Zip 92335

E. CONSTRUCTION INFORMATION

REG 04-27-01 13:38 EFREN 237179
CHK $450.00

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☒ Groundwater	3
☐ Vadose	
☐ Boring	
☐ Other	

NUMBER OF WELLS TO BE DESTROYED #

MATERIALS TO BE USED

CASING
Type PVC
Gauge 40
Diameter 4"
Well Screen Size 0.020
Filter Pack (Specify) #3 SAND

SEAL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other

Drilling Method
☐ Auger ☐ Air Rotor
☐ Mud Rotary
☐ Percussion ☐ Other

PROPOSED CONSTRUCTION
Estimated ground water depth 20 ft.

* CEMENT SEAL 0 to 4
BENTONITE SEAL 4 to 12
FILTER PACK 12 to 30
PERFORATION 15 to 30

PROPOSED DRILLING DATE ____

NOTE:

For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE — DATE 4/25/01

Within 30 days of completion, I will furnish the Monitoring Well Permit Clerk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

RG/RCE/CEG SIGNATURE — DATE 4/25/01

F. SITE INFORMATION

1. ASSESSOR'S PARCEL NUMBER 469-020-3400
Site Name SID'S AUTO BODY LA MESA
Site Address 7241-7255 ALVARADO CANYON ROAD City SAN DIEGO, CA Zip 91941
PROPERTY OWNER JOHNSON FAMILY TRUST (JIM SUNDBY) Phone (619) 615-6772
Mailing Address _____ City _____ State _____ Zip _____
NUMBER OF WELLS 3 TYPE OF WELLS GROUNDWATER

2. ASSESSOR'S PARCEL NUMBER _____
Site Name _____
Site Address _____ City _____ Zip _____
PROPERTY OWNER _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____
NUMBER OF WELLS _____ TYPE OF WELLS _____

3. ASSESSOR'S PARCEL NUMBER _____
Site Name _____
Site Address _____ City _____ Zip _____
PROPERTY OWNER _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____
NUMBER OF WELLS _____ TYPE OF WELLS _____

4. ASSESSOR'S PARCEL NUMBER _____
Site Name _____
Site Address _____ City _____ Zip _____
PROPERTY OWNER _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____
NUMBER OF WELLS _____ TYPE OF WELLS _____

G. FEES:

FEE CODE	BASE FEE INCLUDES FIRST BORING/WELL	FEE FOR ADDITIONAL
1 Groundwater MW's, Vapor Extraction MW's, Vadose Wells	(1) $150.00	~~3~~ 2 x $150 = ~~$450~~ $300
2 Boring/Hydropunch, Geoprobes, etc.	$150.00	____ x $90 = ____
3 Destruction	$150.00	____ x $140 = ____
	Total	$450-00

II.

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

- For well destruction, complete only #1 below.
- Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.
- Well driller must have an active C-57 License and current $2,500 bond with the County.
- Provide a plot plan giving location of property lines, existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.
- If applicable, provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F".
- Provide encroachment/excavation permit and/or traffic control permit for work to be done in street or public right of way.

1. If wells are to be destroyed, provide a description of method of destruction. NA

2. What is the proposed purpose of the well/boring? SOIL AND GROUNDWATER ASSESSMENT

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?

   ALL DRILLING AND SAMPLING EQUIPMENT WILL BE DECONTAMINATED PRIOR TO DRILLING EACH BORING.

4. What field procedures will be utilized to determine if contamination exists? A PHOTO IONIZATION DETECTOR (PID) WILL BE USED TO MEASURE HEADSPACE IN EACH OF THE SOIL SAMPLES COLLECTED AND CUTTINGS GENERATED DURING DRILLING ACTIVITIES.

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

   SOIL SAMPLES WILL BE COLLECTED IN EACH BORING AT 5 FEET INTERVALS. SUBSURFACE SOIL SAMPLES WILL BE SUBMITTED TO A CALIFORNIA-CERTIFIED LABORATORY FOR ANALYSES FOR SAMPLES UP TO 20 FEET BELOW GRADE.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?
TPH-GASOLINE (EPA 8015 M); TPH-DIESEL/OIL (EPA 8015 M); VOCs INCLUDING MTBE (EPA 8260B); AND SVOCs (EPA 8270C)

7. How will samples be transported and preserved? SAMPLES WILL BE STORED IN A COOLER WITH ICE AND TRANSPORTED DIRECTLY TO THE LABORATORY. ALL SAMPLES WILL BE ACCOMPANIED BY APPROPRIATE CHAIN-OF-CUSTODY DOCUMENTATION.

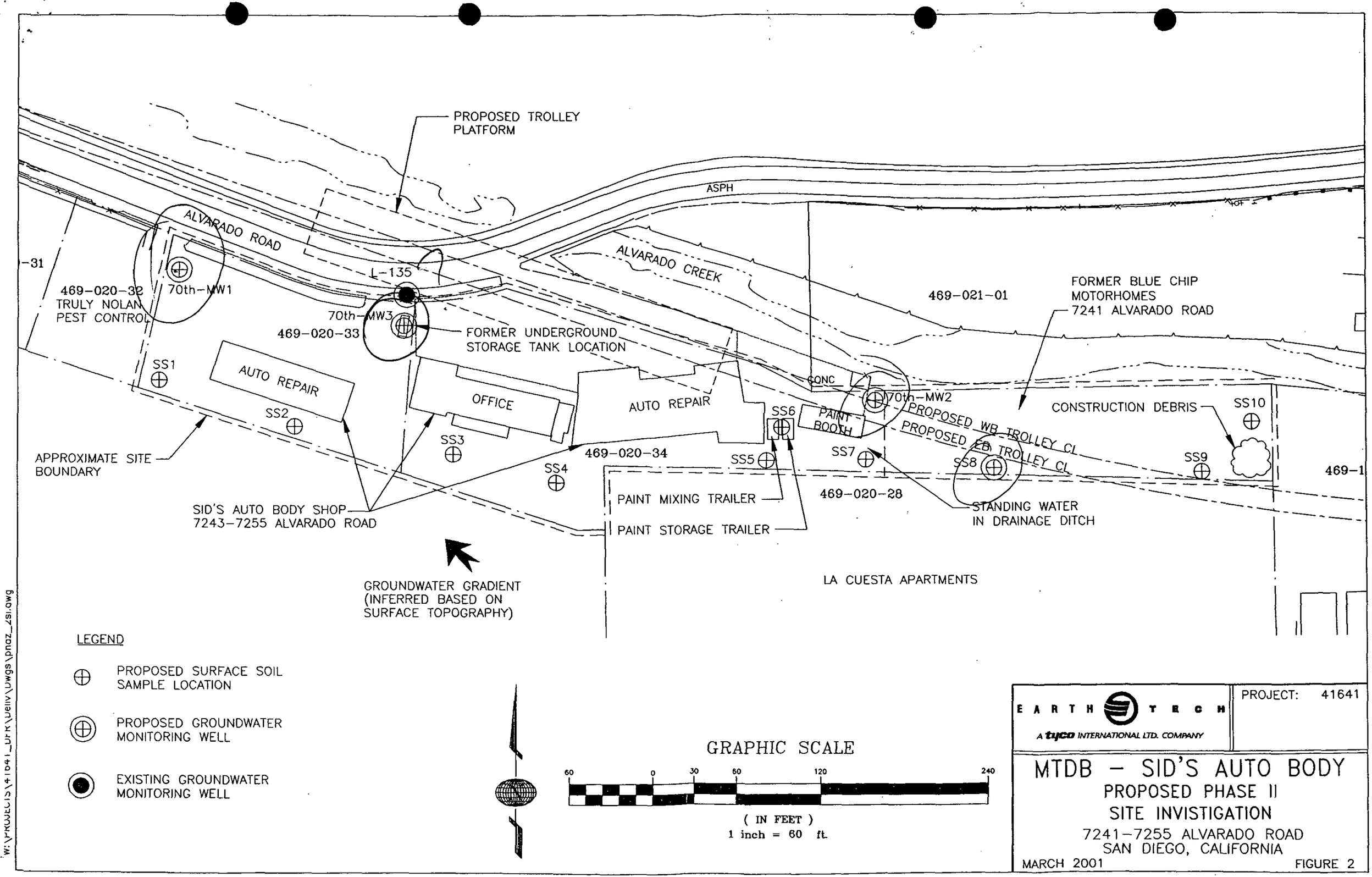
8. What sampling methods will be used? CALIFORNIA SPLIT-SPOON SAMPLER

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements). If yes, specify these variations.
No

10. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?
ALL DRILLING EQUIPMENT WILL BE DECONTAMINATED PRIOR TO AND AFTER EACH USE.

11. What methods will be used to clean sampling equipment? STEAM CLEANER/PRESSURE WASH WILL BE USED TO CLEAN ALL DRILLING EQUIPMENT. DETERGENT WASH (ALCONOX), POTABLE WATER RINSE AND FINAL DEIONIZED RINSE WILL BE USED TO CLEAN ALL SAMPLING EQUIPMENT

12. What cleaning method will be used to clean casing and screen prior to installation?
FACTORY-CLEANED NEW CASING AND SCREEN WILL BE USED IN EACH WELL. CASING AND SCREEN WILL NOT BE REMOVED FROM THE FACTORY WRAPPING UNTIL INSTALLED.



EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY

PROJECT: 41641

MTDB – SID'S AUTO BODY
PROPOSED PHASE II
SITE INVISTIGATION
7241–7255 ALVARADO ROAD
SAN DIEGO, CALIFORNIA

MARCH 2001

FIGURE 2

W:\PROJECTS\41641_DFR\Deliv\Dwgs\phaz_2si.dwg

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
1255 IMPERIAL AVE., SAN DIEGO, CA 92101-7693
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

PROPERTY OWNER RESPONSIBILITY AGREEMENT

Proposed Location of Well(s): ALL 3 MONITORING WELLS WILL BE INSTALLED WITHIN PROPERTY BOUNDARIES. SEE ATTACHED MAP FOR SPECIFIC LOCATIONS

Property Address: SID'S AUTO BODY
7241-7255 ALVARADO CANYON ROAD
SAN DIEGO, CA 91941

Dear Property Owner:

This letter is to inform you of the responsibilities for the proposed drilling activities on your property. The scope of work covered by this letter will expire one year from the date you sign this form. Any proposed drilling activities beyond this expiration date will require a new Property Owner Responsibility Agreement.

Please place a check mark next to the activity which applies to your property:

- [X] Install one or more monitoring wells
- [ ] Destroy one or more monitoring wells
- [ ] Drill one or more soil borings

The person who causes to have a monitoring well installed or an existing well destroyed on your property is defined as the "Responsible Party." Section 67.424 of San Diego County Code states that: "Monitoring wells shall be maintained to meet construction or destruction standards. If a monitoring well does not meet construction or destruction standards the Responsible Party must repair, reconstruct or destroy the monitoring well so it meets the standards. The property owner, if different than the Responsible Party, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the Responsible Party does not complete the necessary actions."

A soil boring is used specifically to sample soil and, because there are construction and destruction standards, is included in the definition of a monitoring well even though no maintenance is required. These standards are outlined in the County of San Diego SAM Manual and the State of California Well Standards Bulletin 74-90.

If you have any questions or would like additional information, please contact the Monitoring Well Program at (619) 338-2339.

I understand the maintenance and construction/destruction responsibilities for monitoring wells and borings under the San Diego County Code.

Property Owner Signature: [signature] Date: 4-22-01

Print Name: VALERIE J. JOHNSON BARNEY Title: OWNER - TRUSTEE

Mailing Address: 5575 PACHS PATH
GARDEN VALLEY, CA 95633

DEH-SAM-9505 (REV. 12/99)

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
7277 Haywenhurst Suite B-12, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-9596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03
Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0919 Extracted: 06/09/01										
Blank Analyzed: 06/09/01 (I1F0919-BLK1)										
trans-1,3-Dichloropropene	ND	2.0	ug/kg							
Ethylbenzene	ND	2.0	ug/kg							
Hexachlorobutadiene	ND	5.0	ug/kg							
2-Hexanone	ND	10	ug/kg							
Isopropylbenzene	ND	2.0	ug/kg							
p-Isopropyltoluene	ND	2.0	ug/kg							
Methylene chloride	ND	20	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Propylbenzene	ND	2.0	ug/kg							
Styrene	ND	2.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg							
Tetrachloroethene	ND	2.0	ug/kg							
Toluene	ND	2.0	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	ug/kg							
1,1,2-Trichloroethane	ND	2.0	ug/kg							
Trichloroethene	ND	2.0	ug/kg							
Trichlorofluoromethane	ND	5.0	ug/kg							
1,2,3-Trichloropropane	ND	10	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	ug/kg							
Vinyl chloride	ND	5.0	ug/kg							
o-Xylene	ND	2.0	ug/kg							
m,p-Xylenes	ND	2.0	ug/kg							
Surrogate: Dibromofluoromethane	*49.7*		*ug/kg*	*50.0*		*99.4*	*85-125*			
Surrogate: Toluene-d8	*52.8*		*ug/kg*	*50.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50.5*		*ug/kg*	*50.0*		*101*	*80-120*			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

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7277 Hayvenhurst, Suite B-12, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0919 Extracted: 06/09/01										
LCS Analyzed: 06/09/01 (I1F0919-BS1)										
Acetone	29.2	10	ug/kg	50.0		58.4	35-165			
Benzene	45.0	2.0	ug/kg	50.0		90.0	75-130			
Bromobenzene	46.5	5.0	ug/kg	50.0		93.0	75-130			
Bromochloromethane	47.9	5.0	ug/kg	50.0		95.8	70-140			
Bromodichloromethane	46.4	2.0	ug/kg	50.0		92.8	75-135			
Bromoform	45.1	5.0	ug/kg	50.0		90.2	55-130			
Bromomethane	38.0	5.0	ug/kg	50.0		76.0	65-140			
n-Butylbenzene	47.0	5.0	ug/kg	50.0		94.0	75-130			
sec-Butylbenzene	45.6	5.0	ug/kg	50.0		91.2	80-135			
tert-Butylbenzene	44.7	5.0	ug/kg	50.0		89.4	75-130			
Carbon tetrachloride	45.9	5.0	ug/kg	50.0		91.8	70-160			
Chlorobenzene	45.0	2.0	ug/kg	50.0		90.0	75-130			
Chloroethane	44.3	5.0	ug/kg	50.0		88.6	65-135			
Chloroform	45.0	2.0	ug/kg	50.0		90.0	75-130			
Chloromethane	33.3	5.0	ug/kg	50.0		66.6	45-130			
2-Chlorotoluene	43.6	5.0	ug/kg	50.0		87.2	75-130			
4-Chlorotoluene	44.3	5.0	ug/kg	50.0		88.6	80-130			
Dibromochloromethane	49.1	2.0	ug/kg	50.0		98.2	70-140			
1,2-Dibromo-3-chloropropane	44.2	5.0	ug/kg	50.0		88.4	50-145			
1,2-Dibromoethane (EDB)	48.7	2.0	ug/kg	50.0		97.4	60-145			
Dibromomethane	47.3	2.0	ug/kg	50.0		94.6	65-135			
1,2-Dichlorobenzene	47.8	2.0	ug/kg	50.0		95.6	75-130			
1,3-Dichlorobenzene	46.3	2.0	ug/kg	50.0		92.6	75-130			
1,4-Dichlorobenzene	44.1	2.0	ug/kg	50.0		88.2	80-125			
Dichlorodifluoromethane	25.4	5.0	ug/kg	50.0		50.8	10-140			
1,1-Dichloroethane	45.2	2.0	ug/kg	50.0		90.4	75-135			
1,2-Dichloroethane	45.2	2.0	ug/kg	50.0		90.4	65-140			
1,1-Dichloroethene	43.4	5.0	ug/kg	50.0		86.8	70-145			
cis-1,2-Dichloroethene	43.8	2.0	ug/kg	50.0		87.6	70-130			
trans-1,2-Dichloroethene	46.4	2.0	ug/kg	50.0		92.8	75-140			
1,2-Dichloropropane	46.4	2.0	ug/kg	50.0		92.8	75-130			
1,3-Dichloropropane	47.8	2.0	ug/kg	50.0		95.6	65-140			
2,2-Dichloropropane	61.0	2.0	ug/kg	50.0		122	75-150			
1,1-Dichloropropene	43.2	2.0	ug/kg	50.0		86.4	75-140			
cis-1,3-Dichloropropene	47.8	2.0	ug/kg	50.0		95.6	65-135			
trans-1,3-Dichloropropene	49.4	2.0	ug/kg	50.0		98.8	65-140			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
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Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0919 Extracted: 06/09/01										
LCS Analyzed: 06/09/01 (I1F0919-BS1)										
Ethylbenzene	45.9	2.0	ug/kg	50.0		91.8	75-135			
Hexachlorobutadiene	45.0	5.0	ug/kg	50.0		90.0	75-150			
2-Hexanone	42.3	10	ug/kg	50.0		84.6	50-125			
Isopropylbenzene	43.2	2.0	ug/kg	50.0		86.4	80-135			
p-Isopropyltoluene	44.4	2.0	ug/kg	50.0		88.8	75-130			
Methylene chloride	45.4	20	ug/kg	50.0		90.8	70-125			
4-Methyl-2-pentanone (MIBK)	46.1	5.0	ug/kg	50.0		92.2	50-135			
Methyl-tert-butyl Ether (MTBE)	47.2	5.0	ug/kg	50.0		94.4	65-135			
Naphthalene	49.1	5.0	ug/kg	50.0		98.2	50-145			
n-Propylbenzene	45.7	2.0	ug/kg	50.0		91.4	80-135			
Styrene	48.3	2.0	ug/kg	50.0		96.6	75-140			
1,1,1,2-Tetrachloroethane	47.3	5.0	ug/kg	50.0		94.6	75-135			
1,1,2,2-Tetrachloroethane	47.6	2.0	ug/kg	50.0		95.2	70-135			
Tetrachloroethene	46.4	2.0	ug/kg	50.0		92.8	75-130			
Toluene	44.6	2.0	ug/kg	50.0		89.2	75-130			
1,2,3-Trichlorobenzene	50.9	5.0	ug/kg	50.0		102	50-140			
1,2,4-Trichlorobenzene	51.0	5.0	ug/kg	50.0		102	70-130			
1,1,1-Trichloroethane	45.9	2.0	ug/kg	50.0		91.8	75-140			
1,1,2-Trichloroethane	48.3	2.0	ug/kg	50.0		96.6	65-130			
Trichloroethene	45.9	2.0	ug/kg	50.0		91.8	75-130			
Trichlorofluoromethane	38.9	5.0	ug/kg	50.0		77.8	55-145			
1,2,3-Trichloropropane	48.5	10	ug/kg	50.0		97.0	60-140			
1,2,4-Trimethylbenzene	45.9	2.0	ug/kg	50.0		91.8	80-130			
1,3,5-Trimethylbenzene	45.3	2.0	ug/kg	50.0		90.6	80-135			
Vinyl chloride	31.7	5.0	ug/kg	50.0		63.4	45-140			
o-Xylene	44.2	2.0	ug/kg	50.0		88.4	75-130			
m,p-Xylenes	88.8	2.0	ug/kg	100		88.8	75-135			
Surrogate: Dibromofluoromethane	*51.1*		*ug/kg*	*50.0*		*102*	*85-125*			
Surrogate: Toluene-d8	*53.0*		*ug/kg*	*50.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*52.5*		*ug/kg*	*50.0*		*105*	*80-120*			

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Earth Tech - San Diego
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Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0919 Extracted: 06/09/01										
Matrix Spike Analyzed: 06/09/01 (I1F0919-MS1)					**Source: IKF0014-04RE1**					
Benzene	44.6	2.0	ug/kg	50.0	ND	89.2	45-140			
Bromodichloromethane	46.8	2.0	ug/kg	50.0	ND	93.6	75-140			
Bromoform	51.1	5.0	ug/kg	50.0	ND	102	55-150			
Chlorobenzene	44.7	2.0	ug/kg	50.0	ND	89.4	75-135			
Chloroform	44.1	2.0	ug/kg	50.0	ND	88.2	75-140			
Dibromochloromethane	51.7	2.0	ug/kg	50.0	ND	103	70-140			
1,4-Dichlorobenzene	44.5	2.0	ug/kg	50.0	ND	89.0	80-145			
1,1-Dichloroethane	44.3	2.0	ug/kg	50.0	ND	88.6	70-150			
1,2-Dichloroethane	46.6	2.0	ug/kg	50.0	ND	93.2	65-145			
1,1-Dichloroethene	42.6	5.0	ug/kg	50.0	ND	85.2	70-165			
Ethylbenzene	46.2	2.0	ug/kg	50.0	ND	92.4	55-140			
Methyl-tert-butyl Ether (MTBE)	52.5	5.0	ug/kg	50.0	ND	103	65-155			
Naphthalene	45.2	5.0	ug/kg	50.0	ND	90.4	65-175			
Tetrachloroethene	46.6	2.0	ug/kg	50.0	ND	93.2	75-200			
Toluene	44.0	2.0	ug/kg	50.0	ND	88.0	50-140			
Trichloroethene	45.2	2.0	ug/kg	50.0	ND	90.4	75-145			
Vinyl chloride	29.6	5.0	ug/kg	50.0	ND	59.2	45-160			
o-Xylene	44.1	2.0	ug/kg	50.0	ND	88.2	75-150			
m,p-Xylenes	88.9	2.0	ug/kg	100	ND	88.9	55-160			
Surrogate: Dibromofluoromethane	*50.6*		*ug/kg*	*50.0*		*101*	*85-125*			
Surrogate: Toluene-d8	*52.5*		*ug/kg*	*50.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*52.7*		*ug/kg*	*50.0*		*105*	*80-120*			
Matrix Spike Dup Analyzed: 06/09/01 (I1F0919-MSD1)					**Source: IKF0014-04RE1**					
Benzene	44.2	2.0	ug/kg	50.0	ND	88.4	45-140	0.901	20	
Bromodichloromethane	46.7	2.0	ug/kg	50.0	ND	93.4	75-140	0.214	20	
Bromoform	49.0	5.0	ug/kg	50.0	ND	98.0	55-150	4.20	30	
Chlorobenzene	43.9	2.0	ug/kg	50.0	ND	87.8	75-135	1.81	20	
Chloroform	44.2	2.0	ug/kg	50.0	ND	88.4	75-140	0.227	20	
Dibromochloromethane	50.1	2.0	ug/kg	50.0	ND	100	70-140	3.14	25	
1,4-Dichlorobenzene	43.8	2.0	ug/kg	50.0	ND	87.6	80-145	1.59	25	
1,1-Dichloroethane	43.9	2.0	ug/kg	50.0	ND	87.8	70-150	0.907	20	
1,2-Dichloroethane	46.1	2.0	ug/kg	50.0	ND	92.2	65-145	1.08	25	
1,1-Dichloroethene	42.0	5.0	ug/kg	50.0	ND	84.0	70-165	1.42	20	
Ethylbenzene	44.8	2.0	ug/kg	50.0	ND	89.6	55-140	3.08	20	
Methyl-tert-butyl Ether (MTBE)	52.2	5.0	ug/kg	50.0	ND	103	65-155	0.573	25	
Naphthalene	51.9	5.0	ug/kg	50.0	ND	104	65-175	13.8	40	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0919 Extracted: 06/09/01										
Matrix Spike Dup Analyzed: 06/09/01 (I1F0919-MSD1)					**Source: IKF0014-04RE1**					
Tetrachloroethene	44.5	2.0	ug/kg	50.0	ND	89.0	75-200	4.61	25	
Toluene	44.1	2.0	ug/kg	50.0	ND	88.2	50-140	0.227	20	
Trichloroethene	45.0	2.0	ug/kg	50.0	ND	90.0	75-145	0.443	20	
Vinyl chloride	30.1	5.0	ug/kg	50.0	ND	60.2	45-160	1.68	30	
o-Xylene	43.0	2.0	ug/kg	50.0	ND	86.0	75-150	2.53	20	
m,p-Xylenes	86.8	2.0	ug/kg	100	ND	86.8	55-160	2.39	20	
Surrogate: Dibromofluoromethane	*51.3*		*ug/kg*	*50.0*		*103*	*85-125*			
Surrogate: Toluene-d8	*53.7*		*ug/kg*	*50.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*53.4*		*ug/kg*	*50.0*		*107*	*80-120*			

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0546 Extracted: 06/05/01										
Blank Analyzed: 06/05/01 (I1F0546-BLK1)										
Acenaphthene	ND	330	ug/kg							
Acenaphthylene	ND	330	ug/kg							
Aniline	ND	420	ug/kg							
Anthracene	ND	330	ug/kg							
Azobenzene	ND	330	ug/kg							
Benzidine	ND	660	ug/kg							
Benzoic acid	ND	830	ug/kg							
Benzo(a)anthracene	ND	330	ug/kg							
Benzo(b)fluoranthene	ND	330	ug/kg							
Benzo(k)fluoranthene	ND	330	ug/kg							
Benzo(g,h,i)perylene	ND	330	ug/kg							
Benzo(a)pyrene	ND	330	ug/kg							
Benzyl alcohol	ND	330	ug/kg							
Bis(2-chloroethoxy)methane	ND	330	ug/kg							
Bis(2-chloroethyl)ether	ND	170	ug/kg							
Bis(2-chloroisopropyl)ether	ND	330	ug/kg							
Bis(2-ethylhexyl)phthalate	ND	330	ug/kg							
4-Bromophenyl phenyl ether	ND	330	ug/kg							
Butyl benzyl phthalate	ND	330	ug/kg							
Carbazole	ND	330	ug/kg							
4-Chloroaniline	ND	330	ug/kg							
2-Chloronaphthalene	ND	330	ug/kg							
4-Chloro-3-methylphenol	ND	330	ug/kg							
2-Chlorophenol	ND	330	ug/kg							
4-Chlorophenyl phenyl ether	ND	330	ug/kg							
Chrysene	ND	330	ug/kg							
Dibenz(a,h)anthracene	ND	420	ug/kg							
Dibenzofuran	ND	330	ug/kg							
Di-n-butyl phthalate	ND	330	ug/kg							
1,3-Dichlorobenzene	ND	330	ug/kg							
1,4-Dichlorobenzene	ND	330	ug/kg							
1,2-Dichlorobenzene	ND	330	ug/kg							
3,3-Dichlorobenzidine	ND	830	ug/kg							
2,4-Dichlorophenol	ND	330	ug/kg							
Diethyl phthalate	ND	330	ug/kg							
2,4-Dimethylphenol	ND	330	ug/kg							

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0546 Extracted: 06/05/01										
Blank Analyzed: 06/05/01 (I1F0546-BLK1)										
Dimethyl phthalate	ND	330	ug/kg							
4,6-Dinitro-2-methylphenol	ND	420	ug/kg							
2,4-Dinitrophenol	ND	420	ug/kg							
2,4-Dinitrotoluene	ND	330	ug/kg							
2,6-Dinitrotoluene	ND	330	ug/kg							
Di-n-octyl phthalate	ND	330	ug/kg							
Fluoranthene	ND	330	ug/kg							
Fluorene	ND	330	ug/kg							
Hexachlorobenzene	ND	330	ug/kg							
Hexachlorobutadiene	ND	330	ug/kg							
Hexachlorocyclopentadiene	ND	830	ug/kg							
Hexachloroethane	ND	330	ug/kg							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg							
Isophorone	ND	330	ug/kg							
2-Methylnaphthalene	ND	330	ug/kg							
2-Methylphenol	ND	330	ug/kg							
4-Methylphenol	ND	330	ug/kg							
Naphthalene	ND	330	ug/kg							
2-Nitroaniline	ND	330	ug/kg							
3-Nitroaniline	ND	330	ug/kg							
4-Nitroaniline	ND	830	ug/kg							
Nitrobenzene	ND	330	ug/kg							
2-Nitrophenol	ND	330	ug/kg							
4-Nitrophenol	ND	830	ug/kg							
n-Nitrosodiphenylamine	ND	330	ug/kg							
n-Nitroso-di-n-propylamine	ND	250	ug/kg							
Pentachlorophenol	ND	830	ug/kg							
Phenanthrene	ND	330	ug/kg							
Phenol	ND	330	ug/kg							
Pyrene	ND	330	ug/kg							
1,2,4-Trichlorobenzene	ND	330	ug/kg							
2,4,5-Trichlorophenol	ND	330	ug/kg							
2,4,6-Trichlorophenol	ND	330	ug/kg							
Surrogate: 2-Fluorophenol	*4050*		*ug/kg*	*6670*		*60.7*	*25-110*			
Surrogate: Phenol-d6	*4180*		*ug/kg*	*6670*		*62.7*	*30-110*			
Surrogate: 2,4,6-Tribromophenol	*4910*		*ug/kg*	*6670*		*73.6*	*45-130*			

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0546 Extracted: 06/05/01										
Blank Analyzed: 06/05/01 (I1F0546-BLK1)										
Surrogate: Nitrobenzene-d5	*2270*		*ug/kg*	*3330*		*68.2*	*30-110*			
Surrogate: 2-Fluorobiphenyl	*2230*		*ug/kg*	*3330*		*67.0*	*30-110*			
Surrogate: Terphenyl-d14	*2290*		*ug/kg*	*3330*		*68.8*	*45-145*			
LCS Analyzed: 06/05/01 (I1F0546-BS1)										M-NR
Acenaphthene	2430	330	ug/kg	3330		73.0	45-120			
Acenaphthylene	2670	330	ug/kg	3330		80.2	45-120			
Aniline	2230	420	ug/kg	3330		67.0	20-120			
Anthracene	2700	330	ug/kg	3330		81.1	65-120			
Azobenzene	2600	330	ug/kg	3330		78.1	40-120			
Benzidine	2660	660	ug/kg	3330		79.9	10-135			
Benzoic acid	1240	830	ug/kg	3330		37.2	20-120			
Benzo(a)anthracene	2960	330	ug/kg	3330		88.9	60-125			
Benzo(b)fluoranthene	3000	330	ug/kg	3330		90.1	55-145			
Benzo(k)fluoranthene	3020	330	ug/kg	3330		90.7	55-140			
Benzo(g,h,i)perylene	2940	330	ug/kg	3330		88.3	40-140			
Benzo(a)pyrene	3120	330	ug/kg	3330		93.7	65-135			
Benzyl alcohol	2450	330	ug/kg	3330		73.6	35-120			
Bis(2-chloroethoxy)methane	2480	330	ug/kg	3330		74.5	35-120			
Bis(2-chloroethyl)ether	2400	170	ug/kg	3330		72.1	30-120			
Bis(2-chloroisopropyl)ether	2460	330	ug/kg	3330		73.9	35-120			
Bis(2-ethylhexyl)phthalate	3420	330	ug/kg	3330		103	35-135			
4-Bromophenyl phenyl ether	2980	330	ug/kg	3330		89.5	45-120			
Butyl benzyl phthalate	2630	330	ug/kg	3330		79.0	50-130			
4-Chloroaniline	2110	330	ug/kg	3330		63.4	20-120			
2-Chloronaphthalene	2460	330	ug/kg	3330		73.9	35-120			
4-Chloro-3-methylphenol	2720	330	ug/kg	3330		81.7	40-120			
2-Chlorophenol	2330	330	ug/kg	3330		70.0	30-120			
4-Chlorophenyl phenyl ether	2780	330	ug/kg	3330		83.5	45-120			
Chrysene	2640	330	ug/kg	3330		79.3	55-130			
Dibenz(a,h)anthracene	2910	420	ug/kg	3330		87.4	45-130			
Dibenzofuran	2490	330	ug/kg	3330		74.8	45-120			
Di-n-butyl phthalate	2820	330	ug/kg	3330		84.7	50-125			
1,3-Dichlorobenzene	2070	330	ug/kg	3330		62.2	30-120			
1,4-Dichlorobenzene	2120	330	ug/kg	3330		63.7	25-120			
1,2-Dichlorobenzene	2170	330	ug/kg	3330		65.2	30-120			
3,3-Dichlorobenzidine	2800	830	ug/kg	3330		84.1	30-125			

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0546 Extracted: 06/05/01										
LCS Analyzed: 06/05/01 (I1F0546-BS1)										M-NR
2,4-Dichlorophenol	2540	330	ug/kg	3330		76.3	35-120			
Diethyl phthalate	2610	330	ug/kg	3330		78.4	45-120			
2,4-Dimethylphenol	2490	330	ug/kg	3330		74.8	30-120			
Dimethyl phthalate	2610	330	ug/kg	3330		78.4	45-120			
4,6-Dinitro-2-methylphenol	2050	420	ug/kg	3330		61.6	55-120			
2,4-Dinitrophenol	1420	420	ug/kg	3330		42.6	30-120			
2,4-Dinitrotoluene	2630	330	ug/kg	3330		79.0	50-125			
2,6-Dinitrotoluene	2580	330	ug/kg	3330		77.5	50-120			
Di-n-octyl phthalate	2660	330	ug/kg	3330		79.9	35-140			
Fluoranthene	3000	330	ug/kg	3330		90.1	55-125			
Fluorene	2540	330	ug/kg	3330		76.3	55-120			
Hexachlorobenzene	2710	330	ug/kg	3330		81.4	45-120			
Hexachlorobutadiene	2720	330	ug/kg	3330		81.7	30-120			
Hexachlorocyclopentadiene	3040	830	ug/kg	3330		91.3	25-120			
Hexachloroethane	2370	330	ug/kg	3330		71.2	25-120			
Indeno(1,2,3-cd)pyrene	3170	330	ug/kg	3330		95.2	45-145			
Isophorone	2650	330	ug/kg	3330		79.6	35-120			
2-Methylnaphthalene	2390	330	ug/kg	3330		71.8	35-120			
2-Methylphenol	2360	330	ug/kg	3330		70.9	30-120			
4-Methylphenol	2430	330	ug/kg	3330		73.0	35-120			
Naphthalene	2340	330	ug/kg	3330		70.3	35-120			
2-Nitroaniline	2820	330	ug/kg	3330		84.7	45-120			
3-Nitroaniline	2100	330	ug/kg	3330		63.1	30-120			
4-Nitroaniline	2520	830	ug/kg	3330		75.7	35-130			
Nitrobenzene	2580	330	ug/kg	3330		77.5	30-120			
2-Nitrophenol	2550	330	ug/kg	3330		76.6	35-120			
4-Nitrophenol	2550	830	ug/kg	3330		76.6	35-130			
n-Nitrosodiphenylamine	2700	330	ug/kg	3330		81.1	50-120			
n-Nitroso-di-n-propylamine	2550	250	ug/kg	3330		76.6	35-120			
Pentachlorophenol	2620	830	ug/kg	3330		78.7	40-120			
Phenanthrene	2640	330	ug/kg	3330		79.3	60-120			
Phenol	2230	330	ug/kg	3330		67.0	30-120			
Pyrene	2520	330	ug/kg	3330		75.7	50-135			
1,2,4-Trichlorobenzene	2430	330	ug/kg	3330		73.0	35-120			
2,4,5-Trichlorophenol	2740	330	ug/kg	3330		82.3	40-120			
2,4,6-Trichlorophenol	2720	330	ug/kg	3330		81.7	45-120			

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0546 Extracted: 06/05/01										
LCS Analyzed: 06/05/01 (I1F0546-BS1)										M-NR
Surrogate: 2-Fluorophenol	*4780*		*ug/kg*	*6670*		*71.7*	*25-110*			
Surrogate: Phenol-d6	*4600*		*ug/kg*	*6670*		*69.0*	*30-110*			
Surrogate: 2,4,6-Tribromophenol	*5460*		*ug/kg*	*6670*		*81.9*	*45-130*			
Surrogate: Nitrobenzene-d5	*2610*		*ug/kg*	*3330*		*78.4*	*30-110*			
Surrogate: 2-Fluorobiphenyl	*2580*		*ug/kg*	*3330*		*77.5*	*30-110*			
Surrogate: Terphenyl-d14	*2730*		*ug/kg*	*3330*		*82.0*	*45-145*			

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Earth Tech - San Diego
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Attention: Greg Delson

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Report Number: IKF0095

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0532 Extracted: 06/05/01										
Blank Analyzed: 06/05/01 (I1F0532-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 06/05/01 (I1F0532-BS1)										
Mercury	0.848	0.020	mg/kg	0.800		106	85-120			
Matrix Spike Analyzed: 06/05/01 (I1F0532-MS1)					**Source: IKF0001-01**					
Mercury	0.761	0.020	mg/kg	0.800	ND	94.1	65-135			
Matrix Spike Dup Analyzed: 06/05/01 (I1F0532-MSD1)					**Source: IKF0001-01**					
Mercury	0.739	0.020	mg/kg	0.800	ND	91.3	65-135	2.93	20	
Batch: I1F0534 Extracted: 06/05/01										
Blank Analyzed: 06/06/01 (I1F0534-BLK1)										
Antimony	ND	10	mg/kg							
Arsenic	ND	2.0	mg/kg							
Barium	ND	1.0	mg/kg							
Beryllium	ND	0.50	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	1.0	mg/kg							
Copper	ND	1.0	mg/kg							
Lead	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Nickel	ND	1.0	mg/kg							
Selenium	ND	2.0	mg/kg							
Silver	ND	1.0	mg/kg							
Thallium	ND	10	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	5.0	mg/kg							

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03
Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11F0534 Extracted: 06/05/01										
LCS Analyzed: 06/06/01 (11F0534-BS1)										
Antimony	47.5	10	mg/kg	50.0		95.0	80-120			
Arsenic	45.0	2.0	mg/kg	50.0		90.0	80-120			
Barium	49.2	1.0	mg/kg	50.0		98.4	80-120			
Beryllium	49.4	0.50	mg/kg	50.0		98.8	80-120			
Cadmium	47.4	0.50	mg/kg	50.0		94.8	80-120			
Chromium	49.1	1.0	mg/kg	50.0		98.2	80-120			
Cobalt	49.1	1.0	mg/kg	50.0		98.2	80-120			
Copper	48.1	1.0	mg/kg	50.0		96.2	80-120			
Lead	47.5	2.0	mg/kg	50.0		95.0	80-120			
Molybdenum	45.1	2.0	mg/kg	50.0		90.2	80-120			
Nickel	49.3	1.0	mg/kg	50.0		98.6	80-120			
Selenium	41.2	2.0	mg/kg	50.0		82.4	80-120			
Silver	24.1	1.0	mg/kg	25.0		96.4	80-120			
Thallium	41.7	10	mg/kg	50.0		83.4	80-120			
Vanadium	48.5	1.0	mg/kg	50.0		97.0	80-120			
Zinc	47.3	5.0	mg/kg	50.0		94.6	80-120			
Matrix Spike Analyzed: 06/06/01 (11F0534-MS1)					**Source: IKF0111-01**					
Antimony	25.1	10	mg/kg	50.0	ND	47.6	75-125			*M2*
Arsenic	49.6	2.0	mg/kg	50.0	2.1	95.0	75-125			
Barium	106	1.0	mg/kg	50.0	48	116	75-125			
Beryllium	49.4	0.50	mg/kg	50.0	ND	98.5	75-125			
Cadmium	47.9	0.50	mg/kg	50.0	0.89	94.0	75-125			
Chromium	62.7	1.0	mg/kg	50.0	8.1	109	75-125			
Cobalt	52.2	1.0	mg/kg	50.0	3.4	97.6	75-125			
Copper	56.2	1.0	mg/kg	50.0	6.8	98.8	75-125			
Lead	49.8	2.0	mg/kg	50.0	ND	96.0	75-125			
Molybdenum	46.8	2.0	mg/kg	50.0	ND	89.8	75-125			
Nickel	58.9	1.0	mg/kg	50.0	11	95.8	75-125			
Selenium	46.5	2.0	mg/kg	50.0	ND	93.0	75-125			
Silver	25.5	1.0	mg/kg	25.0	ND	99.1	75-125			
Thallium	43.6	10	mg/kg	50.0	ND	84.6	75-125			
Vanadium	83.6	1.0	mg/kg	50.0	20	127	75-125			*M1*
Zinc	73.3	5.0	mg/kg	50.0	23	101	75-125			

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Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0534 Extracted: 06/05/01										
Matrix Spike Dup Analyzed: 06/06/01 (I1F0534-MSD1)					Source: IKF0111-01					
Antimony	20.4	10	mg/kg	50.0	ND	38.2	75-125	20.7	20	*M2,R3*
Arsenic	47.8	2.0	mg/kg	50.0	2.1	91.4	75-125	3.70	20	
Barium	106	1.0	mg/kg	50.0	48	116	75-125	0	20	
Beryllium	48.7	0.50	mg/kg	50.0	ND	97.1	75-125	1.43	20	
Cadmium	47.0	0.50	mg/kg	50.0	0.89	92.2	75-125	1.90	20	
Chromium	62.5	1.0	mg/kg	50.0	8.1	109	75-125	0.319	20	
Cobalt	50.8	1.0	mg/kg	50.0	3.4	94.8	75-125	2.72	20	
Copper	54.8	1.0	mg/kg	50.0	6.8	96.0	75-125	2.52	20	
Lead	48.1	2.0	mg/kg	50.0	ND	92.6	75-125	3.47	20	
Molybdenum	45.7	2.0	mg/kg	50.0	ND	87.6	75-125	2.38	20	
Nickel	57.3	1.0	mg/kg	50.0	11	92.6	75-125	2.75	20	
Selenium	43.3	2.0	mg/kg	50.0	ND	86.6	75-125	7.13	20	
Silver	23.3	1.0	mg/kg	25.0	ND	90.3	75-125	9.02	20	
Thallium	43.6	10	mg/kg	50.0	ND	84.6	75-125	0	20	
Vanadium	84.0	1.0	mg/kg	50.0	20	128	75-125	0.477	20	*M1*
Zinc	72.2	5.0	mg/kg	50.0	23	98.4	75-125	1.51	20	
Batch: I1F0739 Extracted: 06/07/01										
Blank Analyzed: 06/07/01 (I1F0739-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 06/07/01 (I1F0739-BS1)										
Mercury	0.807	0.020	mg/kg	0.800		101	85-120			
Matrix Spike Analyzed: 06/07/01 (I1F0739-MS1)					Source: IKF0230-01					
Mercury	0.845	0.020	mg/kg	0.800	0.031	102	65-135			

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03
Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0739 Extracted: 06/07/01										
Matrix Spike Dup Analyzed: 06/07/01 (I1F0739-MSD1)					**Source: IKF0230-01**					
Mercury	0.806	0.020	mg/kg	0.800	0.031	96.9	65-135	4.72	20	

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Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

DATA QUALIFIERS AND DEFINITIONS

M-CP	No results were reported for the MS and/or MSD due to a clogged autosampler port. Batch was accepted based on Blank Spike (LCS) recoveries.
M-NR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
QD	Quantitated against a diesel fuel standard.
QG	Carbon range C6-C12 quantitated against a gasoline standard.
R3	The RPD exceeded the method control limit due to sample matrix effects.
RL-1	Reporting limit raised due to sample matrix interference.
RL-3	Reporting limit raised due to high concentrations of non-target analytes.
Z2	Surrogate recovery was above the acceptance limits. Data not impacted.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR	Not reported.
RPD	Relative Percent Difference

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Patty Mata
Project Manager

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CHAIN OF CUSTODY FORM

Client Name/Address:
Earth Tech
9675 Business Park Ave
San Diego CA 92131

Project/PO Number:
41641.03

Project Manager:
Greg Delson

Phone Number:
(858) 536-5610

Sampler:
Greg Delson / Rebecca Reeves

Fax Number:
(858) 536-5620

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	TPH gas EPA Method 8015 modified	TPH diesel, TPH Lube oil EPA Method 8015 modified	VOCs EPA Method 8260B	SVOCs EPA Method 8270C	Metals EPA Method 6010/7000	Special Instructions
MW-2-B-01	soil	Glass Jar	1	6/2/01	12:10	ice		X		X	X	
	Soil	encore	3	6/2/01	12:10	ice			X			
	soil	encore	3	6/2/01	12:10	ice	X					
MW-2-B-05	soil	Brass sleeve	1	6/2/01	14:00	ice		X		X	X	
		encore	3						X			
		encore	3				X					
SIDS-553		glass jar	1	6/3/01	7:40	ice		X				
MW-3-B-01		glass jar	1	6/3/01	8:00			X		X	X	
		encore	3						X			
		encore	3				X					
SIDS-554		glass jar	1		9:15			X		X	X	
		encore	3						X			
		encore	3				X					

Relinquished By: Greg Delson / Earth Tech	Date /Time: 6/4/01 12:20	Received by:	Date /Time: 06.04.01 16:20
Relinquished By:	Date /Time: 06.04.01 1600	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by: Laura Moya	Date /Time: 6/4/01 1600

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal V

Sample Integrity: (Check)
intact X on ice 2°

Note: By relinquishing samples to Del Mar Analytical, 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

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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-9596 FAX (858) 505-9689

T. HANDLE

CHAIN OF CUSTODY FORM

Client Name/Address: Earth Tech, 9675 Business Park Ave, San Diego CA 92131

Project/PO Number: 4641.03

Project Manager: Greg Delson

Phone Number: 858-536-5610

Sampler: Greg Delson / Rebecca Brewer

Fax Number: 858-536-5620

Analysis Required

Sample Description	Sample Matrix	Container & Preservative Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	TPH Gas (EPA Method) 8015 mod. (Liquid)	TPH, Diesel / Lube Oil (EPA method 8015 mod. Acid)	VOCs (EPA Method) 8260B	SVOCs (EPA Method) 8270C	Metals (EPA Method) 6010 / 7000	Special Instructions
MW-3-B-05	Soil	Glass Jar	1	6/3/01	10:20	ICE		X		X	X	
		Encore	3				X					
		Encore	3						X			
SVDS-SS11		Glass	1		8:20			X		X	X	
		Encore	3				X					
		Encore	3						X			
SVDS-SS5		Glass Jar	1		11:25			X		X	X	
		Encore	3				X					
		Encore	3						X			
SVDS-SS6		Glass Jar	1		11:45			X		X	X	
		Encore	3				X					
		Encore	3						X			
SVDS-SS7		Glass Jar	1		13:40			X				
SVDS-SS8		Glass Jar	1		14:00			X		X	X	

Relinquished By: Greg Delson, Earth Tech — Date/Time: 6/4/01 12:20

Received by: — Date/Time: 06 04 01 12:00

Relinquished By: — Date/Time: 06 04 01 1600

Received by: — Date/Time:

Relinquished By: — Date/Time:

Received in Lab by: — Date/Time: 6-4-01 1600

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal V

Sample Integrity: (Check)
Intact Y on ice 2°

Note: By relinquishing samples to Del Mar Analytical, 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 [illegible] from the date of invoice. Sample(s) will be disposed of after 30 days.

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LABORATORY REPORT

Prepared For: Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131

Attention: Greg Delson
Project: 44102.02

Sampled: 07/10/01
Received: 07/11/01
Reported: 07/23/01

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CA ELAP Certificate #1197
AZ DHS License #AZ0428

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

SAMPLE CROSS REFERENCE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	ANALYSES
IKG0380-01	MVE1A	Water	EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0380-02	MVE4 (L-127)	Water	EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0380-03	L-117	Water	EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0380-04	MVE-3A	Water	EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0380-05	SID'S MW-2	Water	EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0380-06	L-135	Water	EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0380-07	L-135D	Water	EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0380-08	Equipment Rinsate	Water	EPA 8015B
			EPA 8260B
IKG0380-09	Trip Blank	Water	EPA 8260B

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l				
Sample ID: IKG0380-05 (SID'S MW-2 - Water)				**Sampled: 07/11/01**				**QD**
DRO (C8-C24)	EPA 8015B MOD	IG1765	0.50	ND	0.9	7/17/01	7/19/01	
ORO (C25-C40)	EPA 8015B MOD	IG1765	0.50	ND	0.9	7/17/01	7/19/01	
EFH (C8 - C40)	EPA 8015B MOD	IG1765	0.50	ND	0.9	7/17/01	7/19/01	
Surrogate: n-Octacosane (45-140%)				*90.5 %*				
Sample ID: IKG0380-06 (L-135 - Water)				**Sampled: 07/11/01**				**QD**
DRO (C8-C24)	EPA 8015B MOD	IG1765	0.50	ND	0.9	7/17/01	7/19/01	
ORO (C25-C40)	EPA 8015B MOD	IG1765	0.50	ND	0.9	7/17/01	7/19/01	
EFH (C8 - C40)	EPA 8015B MOD	IG1765	0.50	ND	0.9	7/17/01	7/19/01	
Surrogate: n-Octacosane (45-140%)				*76.8 %*				
Sample ID: IKG0380-07 (L-135D - Water)				**Sampled: 07/11/01**				**QD**
DRO (C8-C24)	EPA 8015B MOD	IG1765	0.50	ND	0.9	7/17/01	7/19/01	
ORO (C25-C40)	EPA 8015B MOD	IG1765	0.50	ND	0.9	7/17/01	7/19/01	
EFH (C8 - C40)	EPA 8015B MOD	IG1765	0.50	ND	0.9	7/17/01	7/19/01	
Surrogate: n-Octacosane (45-140%)				*73.2 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0380-01 (MVE1A - Water)				**Sampled: 07/10/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	IIG1603	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*91.1 %*				
Sample ID: IKG0380-02 (MVE4 (L-127) - Water)				**Sampled: 07/10/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	IIG1603	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*89.8 %*				
Sample ID: IKG0380-03 (L-117 - Water)				**Sampled: 07/10/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	IIG1603	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*88.6 %*				
Sample ID: IKG0380-04 (MVE-3A - Water)				**Sampled: 07/11/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	IIG1603	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*87.1 %*				
Sample ID: IKG0380-05 (SID'S MW-2 - Water)				**Sampled: 07/11/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	IIG1603	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*87.1 %*				
Sample ID: IKG0380-06 (L-135 - Water)				**Sampled: 07/11/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	IIG1603	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*92.2 %*				

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0380-05 (SID'S MW-2 - Water)				**Sampled: 07/11/01**				
Benzene	EPA 8260B	IIG1405	0.50	ND	1	7/14/01	7/14/01	
Bromobenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Bromochloromethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Bromodichloromethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Bromoform	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Bromomethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
n-Butylbenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
sec-Butylbenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
tert-Butylbenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Carbon tetrachloride	EPA 8260B	IIG1405	0.50	ND	1	7/14/01	7/14/01	
Chlorobenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Chloroethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Chloroform	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Chloromethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
2-Chlorotoluene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
4-Chlorotoluene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Dibromochloromethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIG1405	5.0	ND	1	7/14/01	7/14/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Dibromomethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,2-Dichlorobenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,3-Dichlorobenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,4-Dichlorobenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Dichlorodifluoromethane	EPA 8260B	IIG1405	2.0	ND	1	7/14/01	7/14/01	
1,1-Dichloroethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,2-Dichloroethane	EPA 8260B	IIG1405	0.50	ND	1	7/14/01	7/14/01	
1,1-Dichloroethene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
cis-1,2-Dichloroethene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
trans-1,2-Dichloroethene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,2-Dichloropropane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,3-Dichloropropane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
2,2-Dichloropropane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,1-Dichloropropene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
cis-1,3-Dichloropropene	EPA 8260B	IIG1405	0.50	ND	1	7/14/01	7/14/01	
trans-1,3-Dichloropropene	EPA 8260B	IIG1405	0.50	ND	1	7/14/01	7/14/01	
Ethylbenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Hexachlorobutadiene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Isopropylbenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
p-Isopropyltoluene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Methylene chloride	EPA 8260B	IIG1405	5.0	ND	1	7/14/01	7/14/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Naphthalene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	

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Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0380-05 (SID'S MW-2 - Water)				**Sampled: 07/11/01**				
n-Propylbenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Styrene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Tetrachloroethene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Toluene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,2,3-Trichlorobenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,2,4-Trichlorobenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,1,1-Trichloroethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,1,2-Trichloroethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Trichloroethene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Trichlorofluoromethane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,2,3-Trichloropropane	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,2,4-Trimethylbenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
1,3,5-Trimethylbenzene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Vinyl chloride	EPA 8260B	IIG1405	0.50	ND	1	7/14/01	7/14/01	
o-Xylene	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
m,p-Xylenes	EPA 8260B	IIG1405	1.0	ND	1	7/14/01	7/14/01	
Di-isopropyl Ether (DIPE)	EPA 8260B	IIG1405	5.0	ND	1	7/14/01	7/14/01	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	IIG1405	5.0	ND	1	7/14/01	7/14/01	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	IIG1405	5.0	ND	1	7/14/01	7/14/01	
tert-Butanol (TBA)	EPA 8260B	IIG1405	50	ND	1	7/14/01	7/14/01	
Surrogate: Dibromofluoromethane (80-120%)				*95.2 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94.4 %*				

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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0380-09 (Trip Blank - Water)				Sampled: 07/11/01				
Benzene	EPA 8260B	IIG1610	0.50	ND	1	7/16/01	7/16/01	
Bromobenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Bromochloromethane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Bromodichloromethane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Bromoform	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Bromomethane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
n-Butylbenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
sec-Butylbenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
tert-Butylbenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Carbon tetrachloride	EPA 8260B	IIG1610	0.50	ND	1	7/16/01	7/16/01	
Chlorobenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Chloroethane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Chloroform	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Chloromethane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
2-Chlorotoluene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
4-Chlorotoluene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Dibromochloromethane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIG1610	5.0	ND	1	7/16/01	7/16/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Dibromomethane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
1,2-Dichlorobenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
1,3-Dichlorobenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
1,4-Dichlorobenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Dichlorodifluoromethane	EPA 8260B	IIG1610	2.0	ND	1	7/16/01	7/16/01	
1,1-Dichloroethane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
1,2-Dichloroethane	EPA 8260B	IIG1610	0.50	ND	1	7/16/01	7/16/01	
1,1-Dichloroethene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
cis-1,2-Dichloroethene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
trans-1,2-Dichloroethene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
1,2-Dichloropropane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
1,3-Dichloropropane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
2,2-Dichloropropane	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
1,1-Dichloropropene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
cis-1,3-Dichloropropene	EPA 8260B	IIG1610	0.50	ND	1	7/16/01	7/16/01	
trans-1,3-Dichloropropene	EPA 8260B	IIG1610	0.50	ND	1	7/16/01	7/16/01	
Ethylbenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Hexachlorobutadiene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Isopropylbenzene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
p-Isopropyltoluene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Methylene chloride	EPA 8260B	IIG1610	5.0	ND	1	7/16/01	7/16/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	
Naphthalene	EPA 8260B	IIG1610	1.0	ND	1	7/16/01	7/16/01	

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Patty Mata
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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0380-09 (Trip Blank - Water)				Sampled: 07/11/01				
n-Propylbenzene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
Styrene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
Tetrachloroethene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
Toluene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
1,1,1-Trichloroethane	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
1,1,2-Trichloroethane	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
Trichloroethene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
Trichlorofluoromethane	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
1,2,3-Trichloropropane	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
Vinyl chloride	EPA 8260B	I1G1610	0.50	ND	1	7/16/01	7/16/01	
o-Xylene	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
m,p-Xylenes	EPA 8260B	I1G1610	1.0	ND	1	7/16/01	7/16/01	
Di-isopropyl Ether (DIPE)	EPA 8260B	I1G1610	5.0	ND	1	7/16/01	7/16/01	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	I1G1610	5.0	ND	1	7/16/01	7/16/01	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	I1G1610	5.0	ND	1	7/16/01	7/16/01	
tert-Butanol (TBA)	EPA 8260B	I1G1610	50	ND	1	7/16/01	7/16/01	
Surrogate: Dibromofluoromethane (80-120%)				*88.4 %*				
Surrogate: Toluene-d8 (80-120%)				*91.2 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96.8 %*				

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0380-05 (SID'S MW-2 - Water)				**Sampled: 07/11/01**				
Acenaphthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Acenaphthylene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Aniline	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Anthracene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Azobenzene	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
Benzidine	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/19/01	
Benzoic acid	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/19/01	
Benzo(a)anthracene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Benzo(b)fluoranthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Benzo(k)fluoranthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Benzo(g,h,i)perylene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Benzo(a)pyrene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Benzyl alcohol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
Bis(2-chloroethoxy)methane	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Bis(2-chloroethyl)ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Bis(2-chloroisopropyl)ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Bis(2-ethylhexyl)phthalate	EPA 8270C	IIG1501	50	ND	0.9	7/15/01	7/19/01	
4-Bromophenyl phenyl ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Butyl benzyl phthalate	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
4-Chloroaniline	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
2-Chloronaphthalene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
4-Chloro-3-methylphenol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
2-Chlorophenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
4-Chlorophenyl phenyl ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Chrysene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Dibenz(a,h)anthracene	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
Dibenzofuran	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Di-n-butyl phthalate	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
1,3-Dichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
1,4-Dichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
1,2-Dichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
3,3-Dichlorobenzidine	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/19/01	
2,4-Dichlorophenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Diethyl phthalate	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
2,4-Dimethylphenol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
Dimethyl phthalate	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
4,6-Dinitro-2-methylphenol	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/19/01	
2,4-Dinitrophenol	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/19/01	
2,4-Dinitrotoluene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
2,6-Dinitrotoluene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Di-n-octyl phthalate	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/19/01	
Fluoranthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	

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Patty Mata
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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0380-05 (SID'S MW-2 - Water)				**Sampled: 07/11/01**				
Fluorene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Hexachlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Hexachlorobutadiene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Hexachlorocyclopentadiene	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/19/01	
Hexachloroethane	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Indeno(1,2,3-cd)pyrene	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
Isophorone	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
2-Methylnaphthalene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
2-Methylphenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
4-Methylphenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Naphthalene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
2-Nitroaniline	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
3-Nitroaniline	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
4-Nitroaniline	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/19/01	
Nitrobenzene	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/19/01	
2-Nitrophenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
4-Nitrophenol	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/19/01	
n-Nitrosodiphenylamine	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
n-Nitroso-di-n-propylamine	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Pentachlorophenol	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/19/01	
Phenanthrene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Phenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
Pyrene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
1,2,4-Trichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/19/01	
2,4,5-Trichlorophenol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
2,4,6-Trichlorophenol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/19/01	
Surrogate: 2-Fluorophenol (30-110%)				*62.4 %*				
Surrogate: Phenol-d6 (40-110%)				*52.4 %*				
Surrogate: 2,4,6-Tribromophenol (55-140%)				*87.8 %*				
Surrogate: Nitrobenzene-d5 (40-110%)				*65.1 %*				
Surrogate: 2-Fluorobiphenyl (40-120%)				*68.8 %*				
Surrogate: Terphenyl-d14 (55-160%)				*82.7 %*				

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1765 Extracted: 07/17/01										
Blank Analyzed: 07/18/01 (I1G1765-BLK1)										QD
DRO (C8-C24)	ND	0.50	mg/l							
ORO (C25-C40)	ND	0.50	mg/l							
EFH (C8 - C40)	ND	0.50	mg/l							
Surrogate: n-Octacosane	*0.113*		*mg/l*	*0.200*		*56.5*	*45-140*			
LCS Analyzed: 07/18/01 (I1G1765-BS1)										QD
EFH (C8 - C40)	0.811	0.50	mg/l	1.00		81.1	55-115			
Surrogate: n-Octacosane	*0.147*		*mg/l*	*0.200*		*73.5*	*45-140*			
LCS Dup Analyzed: 07/18/01 (I1G1765-BSD1)										QD
EFH (C8 - C40)	0.818	0.50	mg/l	1.00		81.8	55-115	0.859	35	*M-NR1*
Surrogate: n-Octacosane	*0.150*		*mg/l*	*0.200*		*75.0*	*45-140*			

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San Diego, CA 92131
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Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1603 Extracted: 07/16/01										
Blank Analyzed: 07/16/01 (I1G1603-BLK1)										
Volatile Fuel Hydrocarbons	ND	50	ug/l							QG
Surrogate: aaa-TFT (FID)	*8.92*		*ug/l*	*10.0*		*89.2*	*60-135*			
LCS Analyzed: 07/16/01 (I1G1603-BS1)										
Volatile Fuel Hydrocarbons	229	50	ug/l	220		104	70-125			QG
Surrogate: aaa-TFT (FID)	*9.25*		*ug/l*	*10.0*		*92.5*	*60-135*			
Matrix Spike Analyzed: 07/16/01 (I1G1603-MS1)					**Source: IKG0317-08**					
Volatile Fuel Hydrocarbons	233	50	ug/l	220	ND	98.2	65-130			QG
Surrogate: aaa-TFT (FID)	*9.26*		*ug/l*	*10.0*		*92.6*	*60-135*			
Matrix Spike Dup Analyzed: 07/16/01 (I1G1603-MSD1)					**Source: IKG0317-08**					
Volatile Fuel Hydrocarbons	234	50	ug/l	220	ND	98.6	65-130	0.428	20	QG
Surrogate: aaa-TFT (FID)	*9.30*		*ug/l*	*10.0*		*93.0*	*60-135*			
Batch: I1G1632 Extracted: 07/16/01										
Blank Analyzed: 07/16/01 (I1G1632-BLK1)										
Volatile Fuel Hydrocarbons	ND	50	ug/l							QG
Surrogate: aaa-TFT (FID)	*8.67*		*ug/l*	*10.0*		*86.7*	*60-135*			
LCS Analyzed: 07/16/01 (I1G1632-BS1)										
Volatile Fuel Hydrocarbons	213	50	ug/l	220		96.8	70-125			QG
Surrogate: aaa-TFT (FID)	*8.35*		*ug/l*	*10.0*		*83.5*	*60-135*			
Matrix Spike Analyzed: 07/16/01 (I1G1632-MS1)					**Source: IKG0380-07**					
Volatile Fuel Hydrocarbons	219	50	ug/l	220	ND	99.5	65-130			QG
Surrogate: aaa-TFT (FID)	*9.44*		*ug/l*	*10.0*		*94.4*	*60-135*			

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Project ID: 44102.02
Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1632 Extracted: 07/16/01										
Matrix Spike Dup Analyzed: 07/16/01 (I1G1632-MSD1)					**Source: IKG0380-07**					
Volatile Fuel Hydrocarbons	207	50	ug/l	220	ND	94.1	65-130	5.63	20	*QG*
Surrogate: aaa-TFT (FID)	*8.99*		*ug/l*	*10.0*		*89.9*	*60-135*			

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1311 Extracted: 07/13/01										
Blank Analyzed: 07/13/01 (I1G1311-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	1.0	ug/l							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1311 Extracted: 07/13/01										
Blank Analyzed: 07/13/01 (I1G1311-BLK1)										
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
tert-Butanol (TBA)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99.2*	*80-120*			
Surrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*21.6*		*ug/l*	*25.0*		*86.4*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1311 Extracted: 07/13/01										
LCS Analyzed: 07/13/01 (I1G1311-BS1)										
Benzene	26.6	0.50	ug/l	25.0		106	75-130			
Bromobenzene	25.9	1.0	ug/l	25.0		104	75-130			
Bromochloromethane	29.2	1.0	ug/l	25.0		117	70-140			
Bromodichloromethane	25.5	1.0	ug/l	25.0		102	75-135			
Bromoform	29.2	1.0	ug/l	25.0		117	55-130			
Bromomethane	23.8	1.0	ug/l	25.0		95.2	65-140			
n-Butylbenzene	27.6	1.0	ug/l	25.0		110	75-130			
sec-Butylbenzene	28.4	1.0	ug/l	25.0		114	80-135			
tert-Butylbenzene	26.5	1.0	ug/l	25.0		106	75-130			
Carbon tetrachloride	26.8	0.50	ug/l	25.0		107	70-160			
Chlorobenzene	26.0	1.0	ug/l	25.0		104	75-130			
Chloroethane	24.6	1.0	ug/l	25.0		98.4	65-135			
Chloroform	27.4	1.0	ug/l	25.0		110	75-130			
Chloromethane	19.9	1.0	ug/l	25.0		79.6	45-130			
2-Chlorotoluene	25.6	1.0	ug/l	25.0		102	75-130			
4-Chlorotoluene	26.0	1.0	ug/l	25.0		104	80-130			
Dibromochloromethane	26.2	1.0	ug/l	25.0		105	70-140			
1,2-Dibromo-3-chloropropane	26.6	5.0	ug/l	25.0		106	50-145			
1,2-Dibromoethane (EDB)	27.4	1.0	ug/l	25.0		110	60-145			
Dibromomethane	27.4	1.0	ug/l	25.0		110	65-135			
1,2-Dichlorobenzene	26.2	1.0	ug/l	25.0		105	75-130			
1,3-Dichlorobenzene	25.3	1.0	ug/l	25.0		101	75-130			
1,4-Dichlorobenzene	25.6	1.0	ug/l	25.0		102	80-125			
Dichlorodifluoromethane	12.7	2.0	ug/l	25.0		50.8	10-140			
1,1-Dichloroethane	27.8	1.0	ug/l	25.0		111	75-135			
1,2-Dichloroethane	26.1	0.50	ug/l	25.0		104	65-140			
1,1-Dichloroethene	30.2	1.0	ug/l	25.0		121	70-145			
cis-1,2-Dichloroethene	26.3	1.0	ug/l	25.0		105	70-130			
trans-1,2-Dichloroethene	27.9	1.0	ug/l	25.0		112	75-140			
1,2-Dichloropropane	26.0	1.0	ug/l	25.0		104	75-130			
1,3-Dichloropropane	26.2	1.0	ug/l	25.0		105	65-140			
2,2-Dichloropropane	29.4	1.0	ug/l	25.0		118	75-150			
1,1-Dichloropropene	26.1	1.0	ug/l	25.0		104	75-140			
cis-1,3-Dichloropropene	26.9	0.50	ug/l	25.0		108	65-135			
trans-1,3-Dichloropropene	25.1	0.50	ug/l	25.0		100	65-140			
Ethylbenzene	27.4	1.0	ug/l	25.0		110	75-135			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1311 Extracted: 07/13/01										
LCS Analyzed: 07/13/01 (I1G1311-BS1)										
Hexachlorobutadiene	24.9	1.0	ug/l	25.0		99.6	75-150			
Isopropylbenzene	27.2	1.0	ug/l	25.0		109	80-135			
p-Isopropyltoluene	25.6	1.0	ug/l	25.0		102	75-130			
Methylene chloride	26.3	5.0	ug/l	25.0		105	70-125			
Methyl-tert-butyl Ether (MTBE)	27.6	1.0	ug/l	25.0		110	65-135			
Naphthalene	27.3	1.0	ug/l	25.0		109	50-145			
n-Propylbenzene	27.2	1.0	ug/l	25.0		109	80-135			
Styrene	24.3	1.0	ug/l	25.0		97.2	75-140			
1,1,1,2-Tetrachloroethane	26.3	1.0	ug/l	25.0		105	75-135			
1,1,2,2-Tetrachloroethane	25.4	1.0	ug/l	25.0		102	70-135			
Tetrachloroethene	26.7	1.0	ug/l	25.0		107	75-130			
Toluene	26.1	1.0	ug/l	25.0		104	75-130			
1,2,3-Trichlorobenzene	29.1	1.0	ug/l	25.0		116	50-140			
1,2,4-Trichlorobenzene	28.8	1.0	ug/l	25.0		115	70-130			
1,1,1-Trichloroethane	27.9	1.0	ug/l	25.0		112	75-140			
1,1,2-Trichloroethane	26.1	1.0	ug/l	25.0		104	65-130			
Trichloroethene	26.7	1.0	ug/l	25.0		107	75-130			
Trichlorofluoromethane	24.9	1.0	ug/l	25.0		99.6	55-145			
1,2,3-Trichloropropane	25.7	1.0	ug/l	25.0		103	60-140			
1,2,4-Trimethylbenzene	26.6	1.0	ug/l	25.0		106	80-130			
1,3,5-Trimethylbenzene	26.5	1.0	ug/l	25.0		106	80-135			
Vinyl chloride	23.7	0.50	ug/l	25.0		94.8	45-140			
o-Xylene	27.3	1.0	ug/l	25.0		109	75-130			
m,p-Xylenes	57.3	1.0	ug/l	50.0		115	75-135			
Di-isopropyl Ether (DIPE)	28.2	5.0	ug/l	25.0		113	65-135			
Ethyl tert-Butyl Ether (ETBE)	28.7	5.0	ug/l	25.0		115	65-135			
tert-Amyl Methyl Ether (TAME)	28.9	5.0	ug/l	25.0		116	60-135			
tert-Butanol (TBA)	140	50	ug/l	125		112	55-160			
Surrogate: Dibromofluoromethane	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*23.6*		*ug/l*	*25.0*		*94.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95.2*	*80-120*			

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Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1311 Extracted: 07/13/01										
Matrix Spike Analyzed: 07/13/01 (I1G1311-MS1)					Source: IKG0305-01					
Benzene	26.9	0.50	ug/l	25.0	ND	108	70-140			
Bromodichloromethane	25.6	1.0	ug/l	25.0	ND	102	75-145			
Bromoform	28.2	1.0	ug/l	25.0	ND	113	70-150			
Chlorobenzene	26.3	1.0	ug/l	25.0	ND	105	75-130			
Chloroform	28.1	1.0	ug/l	25.0	ND	112	75-150			
Dibromochloromethane	26.2	1.0	ug/l	25.0	ND	105	70-145			
1,4-Dichlorobenzene	25.8	1.0	ug/l	25.0	ND	103	80-145			
1,1-Dichloroethane	28.8	1.0	ug/l	25.0	ND	115	75-160			
1,2-Dichloroethane	25.8	0.50	ug/l	25.0	ND	103	65-160			
1,1-Dichloroethene	28.9	1.0	ug/l	25.0	ND	116	65-165			
Ethylbenzene	27.0	1.0	ug/l	25.0	ND	108	80-135			
Methyl-tert-butyl Ether (MTBE)	27.4	1.0	ug/l	25.0	ND	110	65-150			
Naphthalene	22.8	1.0	ug/l	25.0	ND	91.2	50-155			
Tetrachloroethene	26.7	1.0	ug/l	25.0	ND	107	75-155			
Toluene	26.1	1.0	ug/l	25.0	ND	104	75-135			
Trichloroethene	26.2	1.0	ug/l	25.0	ND	105	75-130			
Vinyl chloride	24.9	0.50	ug/l	25.0	ND	99.6	40-190			
o-Xylene	25.9	1.0	ug/l	25.0	ND	104	75-150			
m,p-Xylenes	52.1	1.0	ug/l	50.0	ND	104	70-140			
Di-isopropyl Ether (DIPE)	28.4	5.0	ug/l	25.0	ND	114	65-135			
Ethyl tert-Butyl Ether (ETBE)	28.9	5.0	ug/l	25.0	ND	116	65-135			
tert-Amyl Methyl Ether (TAME)	28.3	5.0	ug/l	25.0	ND	113	60-135			
tert-Butanol (TBA)	143	50	ug/l	125	ND	114	55-160			
Surrogate: Dibromofluoromethane	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*23.3*		*ug/l*	*25.0*		*93.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/l*	*25.0*		*93.6*	*80-120*			
Matrix Spike Dup Analyzed: 07/13/01 (I1G1311-MSD1)					Source: IKG0305-01					
Benzene	26.3	0.50	ug/l	25.0	ND	105	70-140	2.26	20	
Bromodichloromethane	25.0	1.0	ug/l	25.0	ND	100	75-145	2.37	20	
Bromoform	27.1	1.0	ug/l	25.0	ND	108	70-150	3.98	20	
Chlorobenzene	25.7	1.0	ug/l	25.0	ND	103	75-130	2.31	20	
Chloroform	26.9	1.0	ug/l	25.0	ND	108	75-150	4.36	20	
Dibromochloromethane	25.2	1.0	ug/l	25.0	ND	101	70-145	3.89	20	
1,4-Dichlorobenzene	25.5	1.0	ug/l	25.0	ND	102	80-145	1.17	20	
1,1-Dichloroethane	27.6	1.0	ug/l	25.0	ND	110	75-160	4.26	20	
1,2-Dichloroethane	24.9	0.50	ug/l	25.0	ND	99.6	65-160	3.55	20	

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1311 Extracted: 07/13/01										
Matrix Spike Dup Analyzed: 07/13/01 (I1G1311-MSD1)					**Source: IKG0305-01**					
1,1-Dichloroethene	25.7	1.0	ug/l	25.0	ND	103	65-165	11.7	20	
Ethylbenzene	26.1	1.0	ug/l	25.0	ND	104	80-135	3.39	20	
Methyl-tert-butyl Ether (MTBE)	26.0	1.0	ug/l	25.0	ND	104	65-150	5.24	20	
Naphthalene	19.2	1.0	ug/l	25.0	ND	76.8	50-155	17.1	20	
Tetrachloroethene	26.4	1.0	ug/l	25.0	ND	106	75-155	1.13	20	
Toluene	25.3	1.0	ug/l	25.0	ND	101	75-135	3.11	20	
Trichloroethene	25.6	1.0	ug/l	25.0	ND	102	75-130	2.32	20	
Vinyl chloride	23.9	0.50	ug/l	25.0	ND	95.6	40-190	4.10	25	
o-Xylene	24.7	1.0	ug/l	25.0	ND	98.8	75-150	4.74	20	
m,p-Xylenes	48.3	1.0	ug/l	50.0	ND	96.6	70-140	7.57	20	
Di-isopropyl Ether (DIPE)	27.2	5.0	ug/l	25.0	ND	109	65-135	4.32	20	
Ethyl tert-Butyl Ether (ETBE)	27.6	5.0	ug/l	25.0	ND	110	65-135	4.60	20	
tert-Amyl Methyl Ether (TAME)	26.8	5.0	ug/l	25.0	ND	107	60-135	5.44	20	
tert-Butanol (TBA)	137	50	ug/l	125	ND	110	55-160	4.29	40	
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*23.4*		*ug/l*	*25.0*		*93.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.9*		*ug/l*	*25.0*		*91.6*	*80-120*			
Batch: I1G1405 Extracted: 07/14/01										
Blank Analyzed: 07/14/01 (I1G1405-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1405 Extracted: 07/14/01										
Blank Analyzed: 07/14/01 (I1G1405-BLK1)										
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1405 Extracted: 07/14/01										
Blank Analyzed: 07/14/01 (I1G1405-BLK1)										
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
tert-Butanol (TBA)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*23.8*		*ug/l*	*25.0*		*95.2*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/l*	*25.0*		*94.0*	*80-120*			
LCS Analyzed: 07/14/01 (I1G1405-BS1)										
Benzene	26.3	0.50	ug/l	25.0		105	75-130			
Bromobenzene	26.4	1.0	ug/l	25.0		106	75-130			
Bromochloromethane	25.8	1.0	ug/l	25.0		103	70-140			
Bromodichloromethane	24.0	1.0	ug/l	25.0		96.0	75-135			
Bromoform	22.8	1.0	ug/l	25.0		91.2	55-130			
Bromomethane	22.2	1.0	ug/l	25.0		88.8	65-140			
n-Butylbenzene	28.0	1.0	ug/l	25.0		112	75-130			
sec-Butylbenzene	29.5	1.0	ug/l	25.0		118	80-135			
tert-Butylbenzene	28.0	1.0	ug/l	25.0		112	75-130			
Carbon tetrachloride	26.5	0.50	ug/l	25.0		106	70-160			
Chlorobenzene	26.5	1.0	ug/l	25.0		106	75-130			
Chloroethane	23.7	1.0	ug/l	25.0		94.8	65-135			
Chloroform	25.1	1.0	ug/l	25.0		100	75-130			
Chloromethane	23.4	1.0	ug/l	25.0		93.6	45-130			
2-Chlorotoluene	27.8	1.0	ug/l	25.0		111	75-130			
4-Chlorotoluene	27.7	1.0	ug/l	25.0		111	80-130			
Dibromochloromethane	26.9	1.0	ug/l	25.0		108	70-140			
1,2-Dibromo-3-chloropropane	22.7	5.0	ug/l	25.0		90.8	50-145			
1,2-Dibromoethane (EDB)	25.9	1.0	ug/l	25.0		104	60-145			
Dibromomethane	25.4	1.0	ug/l	25.0		102	65-135			

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Earth Tech - San Diego
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Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1405 Extracted: 07/14/01										
LCS Analyzed: 07/14/01 (I1G1405-BS1)										
1,2-Dichlorobenzene	26.4	1.0	ug/l	25.0		106	75-130			
1,3-Dichlorobenzene	26.7	1.0	ug/l	25.0		107	75-130			
1,4-Dichlorobenzene	26.2	1.0	ug/l	25.0		105	80-125			
Dichlorodifluoromethane	17.0	2.0	ug/l	25.0		68.0	10-140			
1,1-Dichloroethane	26.6	1.0	ug/l	25.0		106	75-135			
1,2-Dichloroethane	22.1	0.50	ug/l	25.0		88.4	65-140			
1,1-Dichloroethene	25.4	1.0	ug/l	25.0		102	70-145			
cis-1,2-Dichloroethene	25.2	1.0	ug/l	25.0		101	70-130			
trans-1,2-Dichloroethene	27.2	1.0	ug/l	25.0		109	75-140			
1,2-Dichloropropane	25.3	1.0	ug/l	25.0		101	75-130			
1,3-Dichloropropane	25.5	1.0	ug/l	25.0		102	65-140			
2,2-Dichloropropane	27.0	1.0	ug/l	25.0		108	75-150			
1,1-Dichloropropene	24.4	1.0	ug/l	25.0		97.6	75-140			
cis-1,3-Dichloropropene	25.1	0.50	ug/l	25.0		100	65-135			
trans-1,3-Dichloropropene	24.8	0.50	ug/l	25.0		99.2	65-140			
Ethylbenzene	27.4	1.0	ug/l	25.0		110	75-135			
Hexachlorobutadiene	24.1	1.0	ug/l	25.0		96.4	75-150			
Isopropylbenzene	28.8	1.0	ug/l	25.0		115	80-135			
p-Isopropyltoluene	26.5	1.0	ug/l	25.0		106	75-130			
Methylene chloride	22.2	5.0	ug/l	25.0		88.8	70-125			
Methyl-tert-butyl Ether (MTBE)	23.9	1.0	ug/l	25.0		95.6	65-135			
Naphthalene	25.1	1.0	ug/l	25.0		100	50-145			
n-Propylbenzene	29.4	1.0	ug/l	25.0		118	80-135			
Styrene	27.1	1.0	ug/l	25.0		108	75-140			
1,1,1,2-Tetrachloroethane	26.6	1.0	ug/l	25.0		106	75-135			
1,1,2,2-Tetrachloroethane	25.7	1.0	ug/l	25.0		103	70-135			
Tetrachloroethene	26.2	1.0	ug/l	25.0		105	75-130			
Toluene	26.2	1.0	ug/l	25.0		105	75-130			
1,2,3-Trichlorobenzene	26.2	1.0	ug/l	25.0		105	50-140			
1,2,4-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	70-130			
1,1,1-Trichloroethane	25.7	1.0	ug/l	25.0		103	75-140			
1,1,2-Trichloroethane	24.1	1.0	ug/l	25.0		96.4	65-130			
Trichloroethene	24.9	1.0	ug/l	25.0		99.6	75-130			
Trichlorofluoromethane	22.5	1.0	ug/l	25.0		90.0	55-145			
1,2,3-Trichloropropane	24.9	1.0	ug/l	25.0		99.6	60-140			
1,2,4-Trimethylbenzene	27.6	1.0	ug/l	25.0		110	80-130			

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Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1405 Extracted: 07/14/01										
LCS Analyzed: 07/14/01 (I1G1405-BS1)										
1,3,5-Trimethylbenzene	28.1	1.0	ug/l	25.0		112	80-135			
Vinyl chloride	25.8	0.50	ug/l	25.0		103	45-140			
o-Xylene	25.9	1.0	ug/l	25.0		104	75-130			
m,p-Xylenes	52.3	1.0	ug/l	50.0		105	75-135			
Di-isopropyl Ether (DIPE)	26.3	5.0	ug/l	25.0		105	65-135			
Ethyl tert-Butyl Ether (ETBE)	25.6	5.0	ug/l	25.0		102	65-135			
tert-Amyl Methyl Ether (TAME)	24.8	5.0	ug/l	25.0		99.2	60-135			
tert-Butanol (TBA)	105	50	ug/l	125		84.0	55-160			
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*96.8*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97.2*	*80-120*			
Matrix Spike Analyzed: 07/14/01 (I1G1405-MS1)					**Source: IKG0317-11**					
Benzene	26.5	0.50	ug/l	25.0	ND	106	70-140			
Bromodichloromethane	22.9	1.0	ug/l	25.0	ND	91.6	75-145			
Bromoform	21.9	1.0	ug/l	25.0	ND	87.6	70-150			
Chlorobenzene	25.8	1.0	ug/l	25.0	ND	103	75-130			
Chloroform	25.8	1.0	ug/l	25.0	ND	102	75-150			
Dibromochloromethane	25.8	1.0	ug/l	25.0	ND	103	70-145			
1,4-Dichlorobenzene	25.9	1.0	ug/l	25.0	ND	104	80-145			
1,1-Dichloroethane	27.0	1.0	ug/l	25.0	ND	108	75-160			
1,2-Dichloroethane	21.2	0.50	ug/l	25.0	ND	84.8	65-160			
1,1-Dichloroethene	24.6	1.0	ug/l	25.0	ND	98.4	65-165			
Ethylbenzene	26.1	1.0	ug/l	25.0	ND	104	80-135			
Methyl-tert-butyl Ether (MTBE)	24.8	1.0	ug/l	25.0	ND	99.2	65-150			
Naphthalene	23.1	1.0	ug/l	25.0	ND	92.4	50-155			
Tetrachloroethene	24.8	1.0	ug/l	25.0	ND	97.8	75-155			
Toluene	25.7	1.0	ug/l	25.0	ND	103	75-135			
Trichloroethene	23.9	1.0	ug/l	25.0	ND	95.6	75-130			
Vinyl chloride	25.9	0.50	ug/l	25.0	ND	104	40-190			
o-Xylene	24.4	1.0	ug/l	25.0	ND	97.6	75-150			
m,p-Xylenes	49.1	1.0	ug/l	50.0	ND	98.2	70-140			
Di-isopropyl Ether (DIPE)	27.4	5.0	ug/l	25.0	ND	110	65-135			
Ethyl tert-Butyl Ether (ETBE)	26.2	5.0	ug/l	25.0	ND	105	65-135			
tert-Amyl Methyl Ether (TAME)	26.1	5.0	ug/l	25.0	ND	104	60-135			
tert-Butanol (TBA)	112	50	ug/l	125	ND	89.6	55-160			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1405 Extracted: 07/14/01										
Matrix Spike Analyzed: 07/14/01 (I1G1405-MS1)					Source: IKG0317-11					
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*98.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/l*	*25.0*		*94.0*	*80-120*			
Matrix Spike Dup Analyzed: 07/14/01 (I1G1405-MSD1)					Source: IKG0317-11					
Benzene	26.7	0.50	ug/l	25.0	ND	107	70-140	0.752	20	
Bromodichloromethane	24.2	1.0	ug/l	25.0	ND	96.8	75-145	5.52	20	
Bromoform	23.9	1.0	ug/l	25.0	ND	95.6	70-150	8.73	20	
Chlorobenzene	26.9	1.0	ug/l	25.0	ND	108	75-130	4.17	20	
Chloroform	26.5	1.0	ug/l	25.0	ND	105	75-150	2.68	20	
Dibromochloromethane	28.1	1.0	ug/l	25.0	ND	112	70-145	8.53	20	
1,4-Dichlorobenzene	26.0	1.0	ug/l	25.0	ND	104	80-145	0.385	20	
1,1-Dichloroethane	28.3	1.0	ug/l	25.0	ND	113	75-160	4.70	20	
1,2-Dichloroethane	21.8	0.50	ug/l	25.0	ND	87.2	65-160	2.79	20	
1,1-Dichloroethene	25.2	1.0	ug/l	25.0	ND	101	65-165	2.41	20	
Ethylbenzene	27.3	1.0	ug/l	25.0	ND	109	80-135	4.49	20	
Methyl-tert-butyl Ether (MTBE)	26.6	1.0	ug/l	25.0	ND	106	65-150	7.00	20	
Naphthalene	26.2	1.0	ug/l	25.0	ND	105	50-155	12.6	20	
Tetrachloroethene	25.5	1.0	ug/l	25.0	ND	101	75-155	2.78	20	
Toluene	26.2	1.0	ug/l	25.0	ND	105	75-135	1.93	20	
Trichloroethene	24.7	1.0	ug/l	25.0	ND	98.8	75-130	3.29	20	
Vinyl chloride	25.8	0.50	ug/l	25.0	ND	103	40-190	0.387	25	
o-Xylene	26.0	1.0	ug/l	25.0	ND	104	75-150	6.35	20	
m,p-Xylenes	51.2	1.0	ug/l	50.0	ND	102	70-140	4.19	20	
Di-isopropyl Ether (DIPE)	28.6	5.0	ug/l	25.0	ND	114	65-135	4.29	20	
Ethyl tert-Butyl Ether (ETBE)	27.6	5.0	ug/l	25.0	ND	110	65-135	5.20	20	
tert-Amyl Methyl Ether (TAME)	27.9	5.0	ug/l	25.0	ND	112	60-135	6.67	20	
tert-Butanol (TBA)	110	50	ug/l	125	ND	88.0	55-160	1.80	40	
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*96.8*	*80-120*			

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1610 Extracted: 07/16/01										
Blank Analyzed: 07/16/01 (I1G1610-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	1.0	ug/l							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1610 Extracted: 07/16/01										
Blank Analyzed: 07/16/01 (I1G1610-BLK1)										
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
tert-Butanol (TBA)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*22.0*		*ug/l*	*25.0*		*88.0*	*80-120*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*89.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98.0*	*80-120*			

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G1610 Extracted: 07/16/01										
LCS Analyzed: 07/16/01 (11G1610-BS1)										
Benzene	22.0	0.50	ug/l	25.0		88.0	75-130			
Bromobenzene	24.7	1.0	ug/l	25.0		98.8	75-130			
Bromochloromethane	22.3	1.0	ug/l	25.0		89.2	70-140			
Bromodichloromethane	22.4	1.0	ug/l	25.0		89.6	75-135			
Bromoform	22.2	1.0	ug/l	25.0		88.8	55-130			
Bromomethane	20.8	1.0	ug/l	25.0		83.2	65-140			
n-Butylbenzene	24.0	1.0	ug/l	25.0		96.0	75-130			
sec-Butylbenzene	24.2	1.0	ug/l	25.0		96.8	80-135			
tert-Butylbenzene	23.7	1.0	ug/l	25.0		94.8	75-130			
Carbon tetrachloride	26.5	0.50	ug/l	25.0		106	70-160			
Chlorobenzene	23.1	1.0	ug/l	25.0		92.4	75-130			
Chloroethane	18.4	1.0	ug/l	25.0		73.6	65-135			
Chloroform	22.8	1.0	ug/l	25.0		91.2	75-130			
Chloromethane	18.0	1.0	ug/l	25.0		72.0	45-130			
2-Chlorotoluene	23.3	1.0	ug/l	25.0		93.2	75-130			
4-Chlorotoluene	23.7	1.0	ug/l	25.0		94.8	80-130			
Dibromochloromethane	23.1	1.0	ug/l	25.0		92.4	70-140			
1,2-Dibromo-3-chloropropane	18.7	5.0	ug/l	25.0		74.8	50-145			
1,2-Dibromoethane (EDB)	21.4	1.0	ug/l	25.0		85.6	60-145			
Dibromomethane	21.8	1.0	ug/l	25.0		87.2	65-135			
1,2-Dichlorobenzene	22.5	1.0	ug/l	25.0		90.0	75-130			
1,3-Dichlorobenzene	22.7	1.0	ug/l	25.0		90.8	75-130			
1,4-Dichlorobenzene	21.8	1.0	ug/l	25.0		87.2	80-125			
Dichlorodifluoromethane	13.6	2.0	ug/l	25.0		54.4	10-140			
1,1-Dichloroethane	23.1	1.0	ug/l	25.0		92.4	75-135			
1,2-Dichloroethane	21.6	0.50	ug/l	25.0		86.4	65-140			
1,1-Dichloroethene	23.1	1.0	ug/l	25.0		92.4	70-145			
cis-1,2-Dichloroethene	20.7	1.0	ug/l	25.0		82.8	70-130			
trans-1,2-Dichloroethene	23.0	1.0	ug/l	25.0		92.0	75-140			
1,2-Dichloropropane	21.6	1.0	ug/l	25.0		86.4	75-130			
1,3-Dichloropropane	21.3	1.0	ug/l	25.0		85.2	65-140			
2,2-Dichloropropane	26.0	1.0	ug/l	25.0		104	75-150			
1,1-Dichloropropene	22.7	1.0	ug/l	25.0		90.8	75-140			
cis-1,3-Dichloropropene	23.1	0.50	ug/l	25.0		92.4	65-135			
trans-1,3-Dichloropropene	22.6	0.50	ug/l	25.0		90.4	65-140			
Ethylbenzene	23.9	1.0	ug/l	25.0		95.6	75-135			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1610 Extracted: 07/16/01										
LCS Analyzed: 07/16/01 (I1G1610-BS1)										
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		94.4	75-150			
Isopropylbenzene	23.6	1.0	ug/l	25.0		94.4	80-135			
p-Isopropyltoluene	22.7	1.0	ug/l	25.0		90.8	75-130			
Methylene chloride	20.8	5.0	ug/l	25.0		83.2	70-125			
Methyl-tert-butyl Ether (MTBE)	18.1	1.0	ug/l	25.0		72.4	65-135			
Naphthalene	20.8	1.0	ug/l	25.0		83.2	50-145			
n-Propylbenzene	24.3	1.0	ug/l	25.0		97.2	80-135			
Styrene	24.3	1.0	ug/l	25.0		97.2	75-140			
1,1,1,2-Tetrachloroethane	25.4	1.0	ug/l	25.0		102	75-135			
1,1,2,2-Tetrachloroethane	18.1	1.0	ug/l	25.0		72.4	70-135			
Tetrachloroethene	24.7	1.0	ug/l	25.0		98.8	75-130			
Toluene	22.1	1.0	ug/l	25.0		88.4	75-130			
1,2,3-Trichlorobenzene	21.6	1.0	ug/l	25.0		86.4	50-140			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95.2	70-130			
1,1,1-Trichloroethane	24.0	1.0	ug/l	25.0		96.0	75-140			
1,1,2-Trichloroethane	19.4	1.0	ug/l	25.0		77.6	65-130			
Trichloroethene	22.3	1.0	ug/l	25.0		89.2	75-130			
Trichlorofluoromethane	21.8	1.0	ug/l	25.0		87.2	55-145			
1,2,3-Trichloropropane	19.8	1.0	ug/l	25.0		79.2	60-140			
1,2,4-Trimethylbenzene	23.5	1.0	ug/l	25.0		94.0	80-130			
1,3,5-Trimethylbenzene	24.0	1.0	ug/l	25.0		96.0	80-135			
Vinyl chloride	19.4	0.50	ug/l	25.0		77.6	45-140			
o-Xylene	23.1	1.0	ug/l	25.0		92.4	75-130			
m,p-Xylenes	43.6	1.0	ug/l	50.0		87.2	75-135			
Di-isopropyl Ether (DIPE)	21.5	5.0	ug/l	25.0		86.0	65-135			
Ethyl tert-Butyl Ether (ETBE)	20.2	5.0	ug/l	25.0		80.8	65-135			
tert-Amyl Methyl Ether (TAME)	19.1	5.0	ug/l	25.0		76.4	60-135			
tert-Butanol (TBA)	121	50	ug/l	125		96.8	55-160			
Surrogate: Dibromofluoromethane	*21.6*		*ug/l*	*25.0*		*86.4*	*80-120*			
Surrogate: Toluene-d8	*22.3*		*ug/l*	*25.0*		*89.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*97.6*	*80-120*			

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1610 Extracted: 07/16/01										
Matrix Spike Analyzed: 07/16/01 (I1G1610-MS1)					**Source: IKG0421-05**					
Benzene	23.2	0.50	ug/l	25.0	ND	92.8	70-140			
Bromodichloromethane	23.9	1.0	ug/l	25.0	ND	95.6	75-145			
Bromoform	25.5	1.0	ug/l	25.0	ND	102	70-150			
Chlorobenzene	22.9	1.0	ug/l	25.0	ND	91.6	75-130			
Chloroform	23.4	1.0	ug/l	25.0	ND	93.6	75-150			
Dibromochloromethane	25.3	1.0	ug/l	25.0	ND	101	70-145			
1,4-Dichlorobenzene	21.4	1.0	ug/l	25.0	ND	85.6	80-145			
1,1-Dichloroethane	23.5	1.0	ug/l	25.0	ND	94.0	75-160			
1,2-Dichloroethane	23.9	0.50	ug/l	25.0	ND	95.6	65-160			
1,1-Dichloroethene	23.4	1.0	ug/l	25.0	ND	93.6	65-165			
Ethylbenzene	23.5	1.0	ug/l	25.0	ND	94.0	80-135			
Methyl-tert-butyl Ether (MTBE)	21.6	1.0	ug/l	25.0	ND	84.2	65-150			
Naphthalene	23.8	1.0	ug/l	25.0	ND	95.2	50-155			
Tetrachloroethene	24.8	1.0	ug/l	25.0	ND	99.2	75-155			
Toluene	22.3	1.0	ug/l	25.0	ND	89.2	75-135			
Trichloroethene	22.4	1.0	ug/l	25.0	ND	89.6	75-130			
Vinyl chloride	18.3	0.50	ug/l	25.0	ND	73.2	40-190			
o-Xylene	22.5	1.0	ug/l	25.0	ND	90.0	75-150			
m,p-Xylenes	42.6	1.0	ug/l	50.0	ND	85.2	70-140			
Di-isopropyl Ether (DIPE)	22.5	5.0	ug/l	25.0	ND	90.0	65-135			
Ethyl tert-Butyl Ether (ETBE)	22.2	5.0	ug/l	25.0	ND	88.8	65-135			
tert-Amyl Methyl Ether (TAME)	21.6	5.0	ug/l	25.0	ND	86.4	60-135			
tert-Butanol (TBA)	129	50	ug/l	125	ND	103	55-160			
Surrogate: Dibromofluoromethane	*21.8*		*ug/l*	*25.0*		*87.2*	*80-120*			
Surrogate: Toluene-d8	*22.8*		*ug/l*	*25.0*		*91.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*97.6*	*80-120*			
Matrix Spike Dup Analyzed: 07/16/01 (I1G1610-MSD1)					**Source: IKG0421-05**					
Benzene	23.1	0.50	ug/l	25.0	ND	92.4	70-140	0.432	20	
Bromodichloromethane	23.6	1.0	ug/l	25.0	ND	94.4	75-145	1.26	20	
Bromoform	25.0	1.0	ug/l	25.0	ND	100	70-150	1.98	20	
Chlorobenzene	22.7	1.0	ug/l	25.0	ND	90.8	75-130	0.877	20	
Chloroform	22.8	1.0	ug/l	25.0	ND	91.2	75-150	2.60	20	
Dibromochloromethane	24.7	1.0	ug/l	25.0	ND	98.8	70-145	2.40	20	
1,4-Dichlorobenzene	21.7	1.0	ug/l	25.0	ND	86.8	80-145	1.39	20	
1,1-Dichloroethane	23.1	1.0	ug/l	25.0	ND	92.4	75-160	1.72	20	
1,2-Dichloroethane	23.4	0.50	ug/l	25.0	ND	93.6	65-160	2.11	20	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1610 Extracted: 07/16/01										
Matrix Spike Dup Analyzed: 07/16/01 (I1G1610-MSD1)					**Source: IKG0421-05**					
1,1-Dichloroethene	23.0	1.0	ug/l	25.0	ND	92.0	65-165	1.72	20	
Ethylbenzene	23.4	1.0	ug/l	25.0	ND	93.6	80-135	0.426	20	
Methyl-tert-butyl Ether (MTBE)	20.5	1.0	ug/l	25.0	ND	79.8	65-150	5.23	20	
Naphthalene	24.2	1.0	ug/l	25.0	ND	96.8	50-155	1.67	20	
Tetrachloroethene	24.8	1.0	ug/l	25.0	ND	99.2	75-155	0.00	20	
Toluene	23.0	1.0	ug/l	25.0	ND	92.0	75-135	3.09	20	
Trichloroethene	22.7	1.0	ug/l	25.0	ND	90.8	75-130	1.33	20	
Vinyl chloride	18.6	0.50	ug/l	25.0	ND	74.4	40-190	1.63	25	
o-Xylene	22.9	1.0	ug/l	25.0	ND	91.6	75-150	1.76	20	
m,p-Xylenes	42.6	1.0	ug/l	50.0	ND	85.2	70-140	0.00	20	
Di-isopropyl Ether (DIPE)	21.6	5.0	ug/l	25.0	ND	86.4	65-135	4.08	20	
Ethyl tert-Butyl Ether (ETBE)	21.0	5.0	ug/l	25.0	ND	84.0	65-135	5.56	20	
tert-Amyl Methyl Ether (TAME)	20.6	5.0	ug/l	25.0	ND	82.4	60-135	4.74	20	
tert-Butanol (TBA)	117	50	ug/l	125	ND	93.6	55-160	9.76	40	
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85.2*	*80-120*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*91.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97.2*	*80-120*			

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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1376 Extracted: 07/13/01										
Blank Analyzed: 07/17/01 (I1G1376-BLK1)										
Acenaphthene	ND	10	ug/l							
Acenaphthylene	ND	10	ug/l							
Aniline	ND	10	ug/l							
Anthracene	ND	10	ug/l							
Azobenzene	ND	20	ug/l							
Benzidine	ND	100	ug/l							
Benzoic acid	ND	100	ug/l							
Benzo(a)anthracene	ND	10	ug/l							
Benzo(b)fluoranthene	ND	10	ug/l							
Benzo(k)fluoranthene	ND	10	ug/l							
Benzo(g,h,i)perylene	ND	10	ug/l							
Benzo(a)pyrene	ND	10	ug/l							
Benzyl alcohol	ND	20	ug/l							
Bis(2-chloroethoxy)methane	ND	10	ug/l							
Bis(2-chloroethyl)ether	ND	10	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	ug/l							
4-Bromophenyl phenyl ether	ND	10	ug/l							
Butyl benzyl phthalate	ND	20	ug/l							
4-Chloroaniline	ND	10	ug/l				-			
2-Chloronaphthalene	ND	10	ug/l							
4-Chloro-3-methylphenol	ND	20	ug/l							
2-Chlorophenol	ND	10	ug/l							
4-Chlorophenyl phenyl ether	ND	10	ug/l							
Chrysene	ND	10	ug/l							
Dibenz(a,h)anthracene	ND	20	ug/l							
Dibenzofuran	ND	10	ug/l							
Di-n-butyl phthalate	ND	20	ug/l							
1,3-Dichlorobenzene	ND	10	ug/l							
1,4-Dichlorobenzene	ND	10	ug/l							
1,2-Dichlorobenzene	ND	10	ug/l							
3,3-Dichlorobenzidine	ND	40	ug/l							
2,4-Dichlorophenol	ND	10	ug/l							
Diethyl phthalate	ND	10	ug/l							
2,4-Dimethylphenol	ND	20	ug/l							
Dimethyl phthalate	ND	10	ug/l							

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1376 Extracted: 07/13/01										
Blank Analyzed: 07/17/01 (I1G1376-BLK1)										
4,6-Dinitro-2-methylphenol	ND	40	ug/l							
2,4-Dinitrophenol	ND	100	ug/l							
2,4-Dinitrotoluene	ND	10	ug/l							
2,6-Dinitrotoluene	ND	10	ug/l							
Di-n-octyl phthalate	ND	40	ug/l							
Fluoranthene	ND	10	ug/l							
Fluorene	ND	10	ug/l							
Hexachlorobenzene	ND	10	ug/l							
Hexachlorobutadiene	ND	10	ug/l							
Hexachlorocyclopentadiene	ND	40	ug/l							
Hexachloroethane	ND	10	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	ug/l							
Isophorone	ND	10	ug/l							
2-Methylnaphthalene	ND	10	ug/l							
2-Methylphenol	ND	10	ug/l							
4-Methylphenol	ND	10	ug/l							
Naphthalene	ND	10	ug/l							
2-Nitroaniline	ND	20	ug/l							
3-Nitroaniline	ND	20	ug/l							
4-Nitroaniline	ND	100	ug/l							
Nitrobenzene	ND	40	ug/l							
2-Nitrophenol	ND	10	ug/l							
4-Nitrophenol	ND	100	ug/l							
n-Nitrosodiphenylamine	ND	10	ug/l							
n-Nitroso-di-n-propylamine	ND	10	ug/l							
Pentachlorophenol	ND	40	ug/l							
Phenanthrene	ND	10	ug/l							
Phenol	ND	10	ug/l							
Pyrene	ND	10	ug/l							
1,2,4-Trichlorobenzene	ND	10	ug/l							
2,4,5-Trichlorophenol	ND	20	ug/l							
2,4,6-Trichlorophenol	ND	20	ug/l							
Surrogate: 2-Fluorophenol	*124*		*ug/l*	*200*		*62.0*	*30-110*			
Surrogate: Phenol-d6	*141*		*ug/l*	*200*		*70.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*149*		*ug/l*	*200*		*74.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*73.2*		*ug/l*	*100*		*73.2*	*40-110*			

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G1376 Extracted: 07/13/01										
Blank Analyzed: 07/17/01 (11G1376-BLK1)										
Surrogate: 2-Fluorobiphenyl	*70.1*		*ug/l*	*100*		*70.1*	*40-120*			
Surrogate: Terphenyl-d14	*78.0*		*ug/l*	*100*		*78.0*	*55-160*			
LCS Analyzed: 07/17/01 (11G1376-BS1)										
Acenaphthene	75.0	10	ug/l	100		75.0	55-120			
Acenaphthylene	73.3	10	ug/l	100		73.3	55-120			
Aniline	57.0	10	ug/l	100		57.0	30-120			
Anthracene	80.2	10	ug/l	100		80.2	65-120			
Azobenzene	82.6	20	ug/l	100		82.6	50-125			
Benzidine	*109*	*100*	*ug/l*	*100*		*109*	*10-200*			
Benzoic acid	ND	100	ug/l	100		76.4	25-120			
Benzo(a)anthracene	80.2	10	ug/l	100		80.2	70-125			
Benzo(b)fluoranthene	89.1	10	ug/l	100		89.1	65-125			
Benzo(k)fluoranthene	93.6	10	ug/l	100		93.6	65-135			
Benzo(g,h,i)perylene	85.4	10	ug/l	100		85.4	25-150			
Benzo(a)pyrene	91.9	10	ug/l	100		91.9	70-125			
Benzyl alcohol	85.2	20	ug/l	100		85.2	45-120			
Bis(2-chloroethoxy)methane	76.7	10	ug/l	100		76.7	50-120			
Bis(2-chloroethyl)ether	78.1	10	ug/l	100		78.1	45-120			
Bis(2-chloroisopropyl)ether	82.1	10	ug/l	100		82.1	36-120			
Bis(2-ethylhexyl)phthalate	72.1	50	ug/l	100		72.1	65-140			
4-Bromophenyl phenyl ether	84.5	10	ug/l	100		84.5	55-120			
Butyl benzyl phthalate	76.4	20	ug/l	100		76.4	70-135			
4-Chloroaniline	83.5	10	ug/l	100		83.5	25-120			
2-Chloronaphthalene	75.7	10	ug/l	100		75.7	60-118			
4-Chloro-3-methylphenol	89.4	20	ug/l	100		89.4	55-120			
2-Chlorophenol	75.6	10	ug/l	100		75.6	45-120			
4-Chlorophenyl phenyl ether	82.2	10	ug/l	100		82.2	60-120			
Chrysene	78.5	10	ug/l	100		78.5	70-130			
Dibenz(a,h)anthracene	86.1	20	ug/l	100		86.1	50-130			
Dibenzofuran	78.8	10	ug/l	100		78.8	55-120			
Di-n-butyl phthalate	83.7	20	ug/l	100		83.7	60-118			
1,3-Dichlorobenzene	63.5	10	ug/l	100		63.5	30-120			
1,4-Dichlorobenzene	67.3	10	ug/l	100		67.3	35-120			
1,2-Dichlorobenzene	68.9	10	ug/l	100		68.9	45-120			
3,3-Dichlorobenzidine	87.8	40	ug/l	100		87.8	35-145			
2,4-Dichlorophenol	78.9	10	ug/l	100		78.9	50-120			

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Received: 07/11/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1376 Extracted: 07/13/01										
LCS Analyzed: 07/17/01 (I1G1376-BS1)										
Diethyl phthalate	82.4	10	ug/l	100		82.4	65-114			
2,4-Dimethylphenol	61.9	20	ug/l	100		61.9	32-119			
Dimethyl phthalate	79.5	10	ug/l	100		79.5	65-112			
4,6-Dinitro-2-methylphenol	82.4	40	ug/l	100		82.4	65-125			
2,4-Dinitrophenol	ND	100	ug/l	100		79.6	40-125			
2,4-Dinitrotoluene	83.7	10	ug/l	100		83.7	65-120			
2,6-Dinitrotoluene	80.2	10	ug/l	100		80.2	65-120			
Di-n-octyl phthalate	84.8	40	ug/l	100		84.8	55-146			
Fluoranthene	84.9	10	ug/l	100		84.9	70-120			
Fluorene	78.3	10	ug/l	100		78.3	59-120			
Hexachlorobenzene	76.8	10	ug/l	100		76.8	60-120			
Hexachlorobutadiene	69.6	10	ug/l	100		69.6	35-116			
Hexachlorocyclopentadiene	ND	40	ug/l	100		35.1	10-120			
Hexachloroethane	66.5	10	ug/l	100		66.5	40-113			
Indeno(1,2,3-cd)pyrene	88.6	20	ug/l	100		88.6	40-135			
Isophorone	80.7	10	ug/l	100		80.7	50-120			
2-Methylnaphthalene	75.7	10	ug/l	100		75.7	55-120			
2-Methylphenol	79.3	10	ug/l	100		79.3	45-120			
4-Methylphenol	83.4	10	ug/l	100		83.4	45-120			
Naphthalene	74.6	10	ug/l	100		74.6	45-120			
2-Nitroaniline	92.8	20	ug/l	100		92.8	50-135			
3-Nitroaniline	81.0	20	ug/l	100		81.0	50-125			
4-Nitroaniline	ND	100	ug/l	100		93.7	55-140			
Nitrobenzene	80.8	40	ug/l	100		80.8	45-120			
2-Nitrophenol	81.1	10	ug/l	100		81.1	50-120			
4-Nitrophenol	ND	100	ug/l	100		86.8	50-132			
n-Nitrosodiphenylamine	77.5	10	ug/l	100		77.5	45-120			
n-Nitroso-di-n-propylamine	87.8	10	ug/l	100		87.8	45-125			
Pentachlorophenol	75.1	40	ug/l	100		75.1	50-130			
Phenanthrene	77.8	10	ug/l	100		77.8	65-120			
Phenol	72.7	10	ug/l	100		72.7	35-112			
Pyrene	77.8	10	ug/l	100		77.8	65-115			
1,2,4-Trichlorobenzene	70.4	10	ug/l	100		70.4	50-120			
2,4,5-Trichlorophenol	80.3	20	ug/l	100		80.3	55-120			
2,4,6-Trichlorophenol	80.7	20	ug/l	100		80.7	55-120			
Surrogate: 2-Fluorophenol	*146*		*ug/l*	*200*		*73.0*	*30-110*			

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1376 Extracted: 07/13/01										
LCS Analyzed: 07/17/01 (I1G1376-BS1)										
Surrogate: Phenol-d6	*163*		*ug/l*	*200*		*81.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*160*		*ug/l*	*200*		*80.0*	*55-140*			
Surrogate: Nitrobenzene-d5	*85.0*		*ug/l*	*100*		*85.0*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*75.4*		*ug/l*	*100*		*75.4*	*40-120*			
Surrogate: Terphenyl-d14	*83.9*		*ug/l*	*100*		*83.9*	*55-160*			
LCS Dup Analyzed: 07/17/01 (I1G1376-BSD1)										
Acenaphthene	67.0	10	ug/l	100		67.0	55-120	11.3	35	
Acenaphthylene	66.6	10	ug/l	100		66.6	55-120	9.58	20	
Aniline	48.7	10	ug/l	100		48.7	30-120	15.7	40	
Anthracene	74.5	10	ug/l	100		74.5	65-120	7.37	15	
Azobenzene	73.1	20	ug/l	100		73.1	50-125	12.2	15	
Benzidine	ND	100	ug/l	100		79.8	10-200	30.9	35	
Benzoic acid	ND	100	ug/l	100		73.9	25-120	3.33	40	
Benzo(a)anthracene	76.3	10	ug/l	100		76.3	70-125	4.98	20	
Benzo(b)fluoranthene	88.8	10	ug/l	100		88.8	65-125	0.337	20	
Benzo(k)fluoranthene	85.1	10	ug/l	100		85.1	65-135	9.51	25	
Benzo(g,h,i)perylene	78.7	10	ug/l	100		78.7	25-150	8.17	25	
Benzo(a)pyrene	87.9	10	ug/l	100		87.9	70-125	4.45	15	
Benzyl alcohol	76.4	20	ug/l	100		76.4	45-120	10.9	25	
Bis(2-chloroethoxy)methane	68.0	10	ug/l	100		68.0	50-120	12.0	25	
Bis(2-chloroethyl)ether	66.7	10	ug/l	100		66.7	45-120	15.7	25	
Bis(2-chloroisopropyl)ether	70.9	10	ug/l	100		70.9	36-120	14.6	25	
Bis(2-ethylhexyl)phthalate	70.6	50	ug/l	100		70.6	65-140	2.10	15	
4-Bromophenyl phenyl ether	78.1	10	ug/l	100		78.1	55-120	7.87	20	
Butyl benzyl phthalate	73.1	20	ug/l	100		73.1	70-135	4.41	15	
4-Chloroaniline	74.9	10	ug/l	100		74.9	25-120	10.9	50	
2-Chloronaphthalene	68.1	10	ug/l	100		68.1	60-118	10.6	25	
4-Chloro-3-methylphenol	80.3	20	ug/l	100		80.3	55-120	10.7	25	
2-Chlorophenol	65.9	10	ug/l	100		65.9	45-120	13.7	25	
4-Chlorophenyl phenyl ether	74.6	10	ug/l	100		74.6	60-120	9.69	20	
Chrysene	75.3	10	ug/l	100		75.3	70-130	4.16	10	
Dibenz(a,h)anthracene	80.7	20	ug/l	100		80.7	50-130	6.47	15	
Dibenzofuran	70.9	10	ug/l	100		70.9	55-120	10.6	25	
Di-n-butyl phthalate	77.9	20	ug/l	100		77.9	60-118	7.18	10	
1,3-Dichlorobenzene	56.6	10	ug/l	100		56.6	30-120	11.5	30	
1,4-Dichlorobenzene	57.3	10	ug/l	100		57.3	35-120	16.1	25	

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1376 Extracted: 07/13/01										
LCS Dup Analyzed: 07/17/01 (I1G1376-BSD1)										
1,2-Dichlorobenzene	60.9	10	ug/l	100		60.9	45-120	12.3	25	
3,3-Dichlorobenzidine	82.9	40	ug/l	100		82.9	35-145	5.74	25	
2,4-Dichlorophenol	69.7	10	ug/l	100		69.7	50-120	12.4	25	
Diethyl phthalate	74.6	10	ug/l	100		74.6	65-114	9.94	15	
2,4-Dimethylphenol	53.4	20	ug/l	100		53.4	32-119	14.7	30	
Dimethyl phthalate	71.9	10	ug/l	100		71.9	65-112	10.0	20	
4,6-Dinitro-2-methylphenol	78.5	40	ug/l	100		78.5	65-125	4.85	20	
2,4-Dinitrophenol	ND	100	ug/l	100		75.2	40-125	5.68	30	
2,4-Dinitrotoluene	76.7	10	ug/l	100		76.7	65-120	8.73	20	
2,6-Dinitrotoluene	74.9	10	ug/l	100		74.9	65-120	6.83	20	
Di-n-octyl phthalate	85.3	40	ug/l	100		85.3	55-146	0.588	20	
Fluoranthene	78.5	10	ug/l	100		78.5	70-120	7.83	15	
Fluorene	71.1	10	ug/l	100		71.1	59-120	9.64	30	
Hexachlorobenzene	71.0	10	ug/l	100		71.0	60-120	7.85	15	
Hexachlorobutadiene	62.4	10	ug/l	100		62.4	35-116	10.9	25	
Hexachlorocyclopentadiene	ND	40	ug/l	100		32.7	10-120	7.08	35	
Hexachloroethane	58.2	10	ug/l	100		58.2	40-113	13.3	25	
Indeno(1,2,3-cd)pyrene	86.3	20	ug/l	100		86.3	40-135	2.63	20	
Isophorone	71.3	10	ug/l	100		71.3	50-120	12.4	20	
2-Methylnaphthalene	67.2	10	ug/l	100		67.2	55-120	11.9	20	
2-Methylphenol	70.2	10	ug/l	100		70.2	45-120	12.2	25	
4-Methylphenol	74.0	10	ug/l	100		74.0	45-120	11.9	25	
Naphthalene	65.8	10	ug/l	100		65.8	45-120	12.5	25	
2-Nitroaniline	82.8	20	ug/l	100		82.8	50-135	11.4	15	
3-Nitroaniline	73.0	20	ug/l	100		73.0	50-125	10.4	20	
4-Nitroaniline	ND	100	ug/l	100		81.5	55-140	13.9	15	
Nitrobenzene	70.4	40	ug/l	100		70.4	45-120	13.8	25	
2-Nitrophenol	72.1	10	ug/l	100		72.1	50-120	11.7	50	
4-Nitrophenol	ND	100	ug/l	100		82.0	50-132	5.69	30	
n-Nitrosodiphenylamine	71.9	10	ug/l	100		71.9	45-120	7.50	20	
n-Nitroso-di-n-propylamine	76.3	10	ug/l	100		76.3	45-125	14.0	25	
Pentachlorophenol	69.8	40	ug/l	100		69.8	50-130	7.32	45	
Phenanthrene	71.5	10	ug/l	100		71.5	65-120	8.44	20	
Phenol	63.6	10	ug/l	100		63.6	35-112	13.4	25	
Pyrene	69.8	10	ug/l	100		69.8	65-115	10.8	15	
1,2,4-Trichlorobenzene	62.3	10	ug/l	100		62.3	50-120	12.2	25	

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1376 Extracted: 07/13/01										
LCS Dup Analyzed: 07/17/01 (I1G1376-BSD1)										
2,4,5-Trichlorophenol	74.2	20	ug/l	100		74.2	55-120	7.90	35	
2,4,6-Trichlorophenol	72.8	20	ug/l	100		72.8	55-120	10.3	25	
Surrogate: 2-Fluorophenol	*124*		*ug/l*	*200*		*62.0*	*30-110*			
Surrogate: Phenol-d6	*141*		*ug/l*	*200*		*70.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*147*		*ug/l*	*200*		*73.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*74.8*		*ug/l*	*100*		*74.8*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*66.1*		*ug/l*	*100*		*66.1*	*40-120*			
Surrogate: Terphenyl-d14	*76.2*		*ug/l*	*100*		*76.2*	*55-160*			
Batch: I1G1501 Extracted: 07/15/01										
Blank Analyzed: 07/19/01 (I1G1501-BLK1)										
Acenaphthene	ND	10	ug/l							
Acenaphthylene	ND	10	ug/l							
Aniline	ND	10	ug/l							
Anthracene	ND	10	ug/l							
Azobenzene	ND	20	ug/l							
Benzidine	ND	100	ug/l							
Benzoic acid	ND	100	ug/l							
Benzo(a)anthracene	ND	10	ug/l							
Benzo(b)fluoranthene	ND	10	ug/l							
Benzo(k)fluoranthene	ND	10	ug/l							
Benzo(g,h,i)perylene	ND	10	ug/l							
Benzo(a)pyrene	ND	10	ug/l							
Benzyl alcohol	ND	20	ug/l							
Bis(2-chloroethoxy)methane	ND	10	ug/l							
Bis(2-chloroethyl)ether	ND	10	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	ug/l							
4-Bromophenyl phenyl ether	ND	10	ug/l							
Butyl benzyl phthalate	ND	20	ug/l							
4-Chloroaniline	ND	10	ug/l							
2-Chloronaphthalene	ND	10	ug/l							
4-Chloro-3-methylphenol	ND	20	ug/l							
2-Chlorophenol	ND	10	ug/l							
4-Chlorophenyl phenyl ether	ND	10	ug/l							
Chrysene	ND	10	ug/l							

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
Blank Analyzed: 07/19/01 (I1G1501-BLK1)										
Dibenz(a,h)anthracene	ND	20	ug/l							
Dibenzofuran	ND	10	ug/l							
Di-n-butyl phthalate	ND	20	ug/l							
1,3-Dichlorobenzene	ND	10	ug/l							
1,4-Dichlorobenzene	ND	10	ug/l							
1,2-Dichlorobenzene	ND	10	ug/l							
3,3-Dichlorobenzidine	ND	40	ug/l							
2,4-Dichlorophenol	ND	10	ug/l							
Diethyl phthalate	ND	10	ug/l							
2,4-Dimethylphenol	ND	20	ug/l							
Dimethyl phthalate	ND	10	ug/l							
4,6-Dinitro-2-methylphenol	ND	40	ug/l							
2,4-Dinitrophenol	ND	100	ug/l							
2,4-Dinitrotoluene	ND	10	ug/l							
2,6-Dinitrotoluene	ND	10	ug/l							
Di-n-octyl phthalate	ND	40	ug/l							
Fluoranthene	ND	10	ug/l							
Fluorene	ND	10	ug/l							
Hexachlorobenzene	ND	10	ug/l							
Hexachlorobutadiene	ND	10	ug/l							
Hexachlorocyclopentadiene	ND	40	ug/l							
Hexachloroethane	ND	10	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	ug/l							
Isophorone	ND	10	ug/l							
2-Methylnaphthalene	ND	10	ug/l							
2-Methylphenol	ND	10	ug/l							
4-Methylphenol	ND	10	ug/l							
Naphthalene	ND	10	ug/l							
2-Nitroaniline	ND	20	ug/l							
3-Nitroaniline	ND	20	ug/l							
4-Nitroaniline	ND	100	ug/l							
Nitrobenzene	ND	40	ug/l							
2-Nitrophenol	ND	10	ug/l							
4-Nitrophenol	ND	100	ug/l							
n-Nitrosodiphenylamine	ND	10	ug/l							
n-Nitroso-di-n-propylamine	ND	10	ug/l							

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
Blank Analyzed: 07/19/01 (I1G1501-BLK1)										
Pentachlorophenol	ND	40	ug/l							
Phenanthrene	ND	10	ug/l							
Phenol	ND	10	ug/l							
Pyrene	ND	10	ug/l							
1,2,4-Trichlorobenzene	ND	10	ug/l							
2,4,5-Trichlorophenol	ND	20	ug/l							
2,4,6-Trichlorophenol	ND	20	ug/l							
Surrogate: 2-Fluorophenol	*134*		*ug/l*	*200*		*67.0*	*30-110*			
Surrogate: Phenol-d6	*145*		*ug/l*	*200*		*72.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*141*		*ug/l*	*200*		*70.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*74.4*		*ug/l*	*100*		*74.4*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*72.7*		*ug/l*	*100*		*72.7*	*40-120*			
Surrogate: Terphenyl-d14	*67.9*		*ug/l*	*100*		*67.9*	*55-160*			
LCS Analyzed: 07/19/01 (I1G1501-BS1)										
Acenaphthene	81.9	10	ug/l	100		81.9	55-120			
Acenaphthylene	79.0	10	ug/l	100		79.0	55-120			
Aniline	78.1	10	ug/l	100		78.1	30-120			
Anthracene	87.3	10	ug/l	100		87.3	65-120			
Azobenzene	85.8	20	ug/l	100		85.8	50-125			
Benzidine	ND	100	ug/l	100		81.2	T0-200			
Benzoic acid	ND	100	ug/l	100		75.3	25-120			
Benzo(a)anthracene	91.4	10	ug/l	100		91.4	70-125			
Benzo(b)fluoranthene	104	10	ug/l	100		104	65-125			
Benzo(k)fluoranthene	108	10	ug/l	100		108	65-135			
Benzo(g,h,i)perylene	105	10	ug/l	100		105	25-150			
Benzo(a)pyrene	108	10	ug/l	100		108	70-125			
Benzyl alcohol	85.5	20	ug/l	100		85.5	45-120			
Bis(2-chloroethoxy)methane	80.7	10	ug/l	100		80.7	50-120			
Bis(2-chloroethyl)ether	77.3	10	ug/l	100		77.3	45-120			
Bis(2-chloroisopropyl)ether	82.5	10	ug/l	100		82.5	36-120			
Bis(2-ethylhexyl)phthalate	90.5	50	ug/l	100		90.5	65-140			
4-Bromophenyl phenyl ether	94.3	10	ug/l	100		94.3	55-120			
Butyl benzyl phthalate	90.6	20	ug/l	100		90.6	70-135			
4-Chloroaniline	84.3	10	ug/l	100		84.3	25-120			
2-Chloronaphthalene	82.0	10	ug/l	100		82.0	60-118			
4-Chloro-3-methylphenol	87.6	20	ug/l	100		87.6	55-120			

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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
LCS Analyzed: 07/19/01 (I1G1501-BS1)										
2-Chlorophenol	76.6	10	ug/l	100		76.6	45-120			
4-Chlorophenyl phenyl ether	85.2	10	ug/l	100		85.2	60-120			
Chrysene	89.7	10	ug/l	100		89.7	70-130			
Dibenz(a,h)anthracene	104	20	ug/l	100		104	50-130			
Dibenzofuran	83.0	10	ug/l	100		83.0	55-120			
Di-n-butyl phthalate	92.7	20	ug/l	100		92.7	60-118			
1,3-Dichlorobenzene	70.7	10	ug/l	100		70.7	30-120			
1,4-Dichlorobenzene	69.3	10	ug/l	100		69.3	35-120			
1,2-Dichlorobenzene	72.9	10	ug/l	100		72.9	45-120			
3,3-Dichlorobenzidine	82.3	40	ug/l	100		82.3	35-145			
2,4-Dichlorophenol	80.4	10	ug/l	100		80.4	50-120			
Diethyl phthalate	86.9	10	ug/l	100		86.9	65-114			
2,4-Dimethylphenol	61.1	20	ug/l	100		61.1	32-119			
Dimethyl phthalate	86.3	10	ug/l	100		86.3	65-112			
4,6-Dinitro-2-methylphenol	91.5	40	ug/l	100		91.5	65-125			
2,4-Dinitrophenol	ND	100	ug/l	100		79.9	40-125			
2,4-Dinitrotoluene	87.0	10	ug/l	100		87.0	65-120			
2,6-Dinitrotoluene	86.1	10	ug/l	100		86.1	65-120			
Di-n-octyl phthalate	108	40	ug/l	100		108	55-146			
Fluoranthene	90.5	10	ug/l	100		90.5	70-120			
Fluorene	82.9	10	ug/l	100		82.9	59-120			
Hexachlorobenzene	87.4	10	ug/l	100		87.4	60-120			
Hexachlorobutadiene	77.0	10	ug/l	100		77.0	35-116			
Hexachlorocyclopentadiene	ND	40	ug/l	100		35.4	10-120			
Hexachloroethane	74.3	10	ug/l	100		74.3	40-113			
Indeno(1,2,3-cd)pyrene	110	20	ug/l	100		110	40-135			
Isophorone	85.5	10	ug/l	100		85.5	50-120			
2-Methylnaphthalene	76.6	10	ug/l	100		76.6	55-120			
2-Methylphenol	79.7	10	ug/l	100		79.7	45-120			
4-Methylphenol	82.7	10	ug/l	100		82.7	45-120			
Naphthalene	78.2	10	ug/l	100		78.2	45-120			
2-Nitroaniline	98.1	20	ug/l	100		98.1	50-135			
3-Nitroaniline	80.2	20	ug/l	100		80.2	50-125			
4-Nitroaniline	ND	100	ug/l	100		88.0	55-140			
Nitrobenzene	86.3	40	ug/l	100		86.3	45-120			
2-Nitrophenol	85.9	10	ug/l	100		85.9	50-120			

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Project Manager

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
LCS Analyzed: 07/19/01 (I1G1501-BS1)										
4-Nitrophenol	ND	100	ug/l	100		85.0	50-132			
n-Nitrosodiphenylamine	87.1	10	ug/l	100		87.1	45-120			
n-Nitroso-di-n-propylamine	87.1	10	ug/l	100		87.1	45-125			
Pentachlorophenol	81.4	40	ug/l	100		81.4	50-130			
Phenanthrene	85.9	10	ug/l	100		85.9	65-120			
Phenol	73.6	10	ug/l	100		73.6	35-112			
Pyrene	93.8	10	ug/l	100		93.8	65-115			
1,2,4-Trichlorobenzene	75.5	10	ug/l	100		75.5	50-120			
2,4,5-Trichlorophenol	86.5	20	ug/l	100		86.5	55-120			
2,4,6-Trichlorophenol	87.6	20	ug/l	100		87.6	55-120			
Surrogate: 2-Fluorophenol	*152*		*ug/l*	*200*		*76.0*	*30-110*			
Surrogate: Phenol-d6	*162*		*ug/l*	*200*		*81.0*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*173*		*ug/l*	*200*		*86.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*88.1*		*ug/l*	*100*		*88.1*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*84.3*		*ug/l*	*100*		*84.3*	*40-120*			
Surrogate: Terphenyl-d14	*97.0*		*ug/l*	*100*		*97.0*	*55-160*			
LCS Dup Analyzed: 07/19/01 (I1G1501-BSD1)										
Acenaphthene	73.8	10	ug/l	100		73.8	55-120	10.4	35	
Acenaphthylene	72.5	10	ug/l	100		72.5	55-120	8.58	20	
Aniline	79.9	10	ug/l	100		79.9	30-120	2.28	40	
Anthracene	80.0	10	ug/l	100		80.0	65-120	8.73	15	
Azobenzene	79.1	20	ug/l	100		79.1	50-125	8.13	15	
Benzidine	ND	100	ug/l	100		88.2	10-200	8.26	35	
Benzoic acid	ND	100	ug/l	100		76.5	25-120	1.58	40	
Benzo(a)anthracene	79.8	10	ug/l	100		79.8	70-125	13.6	20	
Benzo(b)fluoranthene	93.9	10	ug/l	100		93.9	65-125	10.2	20	
Benzo(k)fluoranthene	97.0	10	ug/l	100		97.0	65-135	10.7	25	
Benzo(g,h,i)perylene	85.6	10	ug/l	100		85.6	25-150	20.4	25	
Benzo(a)pyrene	94.3	10	ug/l	100		94.3	70-125	13.5	15	
Benzyl alcohol	85.5	20	ug/l	100		85.5	45-120	0.00	25	
Bis(2-chloroethoxy)methane	77.2	10	ug/l	100		77.2	50-120	4.43	25	
Bis(2-chloroethyl)ether	76.2	10	ug/l	100		76.2	45-120	1.43	25	
Bis(2-chloroisopropyl)ether	80.2	10	ug/l	100		80.2	36-120	2.83	25	
Bis(2-ethylhexyl)phthalate	79.5	50	ug/l	100		79.5	65-140	12.9	15	
4-Bromophenyl phenyl ether	86.3	10	ug/l	100		86.3	55-120	8.86	20	
Butyl benzyl phthalate	80.3	20	ug/l	100		80.3	70-135	12.1	15	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
LCS Dup Analyzed: 07/19/01 (I1G1501-BSD1)										
4-Chloroaniline	81.4	10	ug/l	100		81.4	25-120	3.50	50	
2-Chloronaphthalene	74.1	10	ug/l	100		74.1	60-118	10.1	25	
4-Chloro-3-methylphenol	89.3	20	ug/l	100		89.3	55-120	1.92	25	
2-Chlorophenol	73.5	10	ug/l	100		73.5	45-120	4.13	25	
4-Chlorophenyl phenyl ether	79.7	10	ug/l	100		79.7	60-120	6.67	20	
Chrysene	77.9	10	ug/l	100		77.9	70-130	14.1	10	*R7*
Dibenz(a,h)anthracene	85.3	20	ug/l	100		85.3	50-130	19.8	15	*R7*
Dibenzofuran	76.9	10	ug/l	100		76.9	55-120	7.63	25	
Di-n-butyl phthalate	80.9	20	ug/l	100		80.9	60-118	13.6	10	*R7*
1,3-Dichlorobenzene	67.6	10	ug/l	100		67.6	30-120	4.48	30	
1,4-Dichlorobenzene	68.4	10	ug/l	100		68.4	35-120	1.31	25	
1,2-Dichlorobenzene	71.0	10	ug/l	100		71.0	45-120	2.64	25	
3,3-Dichlorobenzidine	73.3	40	ug/l	100		73.3	35-145	11.6	25	
2,4-Dichlorophenol	78.2	10	ug/l	100		78.2	50-120	2.77	25	
Diethyl phthalate	79.0	10	ug/l	100		79.0	65-114	9.52	15	
2,4-Dimethylphenol	54.7	20	ug/l	100		54.7	32-119	11.1	30	
Dimethyl phthalate	77.9	10	ug/l	100		77.9	65-112	10.2	20	
4,6-Dinitro-2-methylphenol	86.7	40	ug/l	100		86.7	65-125	5.39	20	
2,4-Dinitrophenol	ND	100	ug/l	100		83.2	40-125	4.05	30	
2,4-Dinitrotoluene	80.8	10	ug/l	100		80.8	65-120	7.39	20	
2,6-Dinitrotoluene	80.2	10	ug/l	100		80.2	65-120	7.10	20	
Di-n-octyl phthalate	106	40	ug/l	100		106	55-146	1.87	20	
Fluoranthene	83.1	10	ug/l	100		83.1	70-120	8.53	15	
Fluorene	77.2	10	ug/l	100		77.2	59-120	7.12	30	
Hexachlorobenzene	78.0	10	ug/l	100		78.0	60-120	11.4	15	
Hexachlorobutadiene	73.8	10	ug/l	100		73.8	35-116	4.24	25	
Hexachlorocyclopentadiene	ND	40	ug/l	100		26.5	10-120	28.8	35	
Hexachloroethane	72.6	10	ug/l	100		72.6	40-113	2.31	25	
Indeno(1,2,3-cd)pyrene	89.6	20	ug/l	100		89.6	40-135	20.4	20	
Isophorone	80.7	10	ug/l	100		80.7	50-120	5.78	20	
2-Methylnaphthalene	75.1	10	ug/l	100		75.1	55-120	1.98	20	
2-Methylphenol	77.4	10	ug/l	100		77.4	45-120	2.93	25	
4-Methylphenol	81.9	10	ug/l	100		81.9	45-120	0.972	25	
Naphthalene	73.7	10	ug/l	100		73.7	45-120	5.92	25	
2-Nitroaniline	91.8	20	ug/l	100		91.8	50-135	6.64	15	
3-Nitroaniline	74.0	20	ug/l	100		74.0	50-125	8.04	20	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
LCS Dup Analyzed: 07/19/01 (I1G1501-BSD1)										
4-Nitroaniline	ND	100	ug/l	100		86.3	55-140	1.95	15	
Nitrobenzene	81.0	40	ug/l	100		81.0	45-120	6.34	25	
2-Nitrophenol	82.7	10	ug/l	100		82.7	50-120	3.80	50	
4-Nitrophenol	ND	100	ug/l	100		84.8	50-132	0.236	30	
n-Nitrosodiphenylamine	78.6	10	ug/l	100		78.6	45-120	10.3	20	
n-Nitroso-di-n-propylamine	86.5	10	ug/l	100		86.5	45-125	0.691	25	
Pentachlorophenol	76.4	40	ug/l	100		76.4	50-130	6.34	45	
Phenanthrene	77.7	10	ug/l	100		77.7	65-120	10.0	20	
Phenol	70.9	10	ug/l	100		70.9	35-112	3.74	25	
Pyrene	77.9	10	ug/l	100		77.9	65-115	18.5	15	*R7*
1,2,4-Trichlorobenzene	72.7	10	ug/l	100		72.7	50-120	3.78	25	
2,4,5-Trichlorophenol	80.5	20	ug/l	100		80.5	55-120	7.19	35	
2,4,6-Trichlorophenol	80.4	20	ug/l	100		80.4	55-120	8.57	25	
Surrogate: 2-Fluorophenol	*143*		*ug/l*	*200*		*71.5*	*30-110*			
Surrogate: Phenol-d6	*157*		*ug/l*	*200*		*78.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*161*		*ug/l*	*200*		*80.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*82.1*		*ug/l*	*100*		*82.1*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*74.3*		*ug/l*	*100*		*74.3*	*40-120*			
Surrogate: Terphenyl-d14	*82.0*		*ug/l*	*100*		*82.0*	*55-160*			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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9675 Business Park Avenue, San Diego, California 92131-1644

RECEIVED
2001 SEP 14 PM 2 03
D. E. H.
MAILROOM

Well Permitting Clerk
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
1255 Imperial Avenue, Suite 300
San Diego, CA 92101

September 7, 2001

Subject: **Letter Drilling Report for Well Permit Number W99755, Sid's Auto Body, 7255 Alvarado Canyon Road, La Mesa, California.**

Dear Well Permitting Clerk:

In accordance with the requirements of the well permit referenced above, Earth Tech is pleased to submit this letter report for your records. Soil borings MW1, MW2, and MW3 were drilled at the subject site on May 19, June 2, and June 3, 2001. The borings were advanced to approximately 20 to 25 feet below ground surface (bgs) and splitspoon soil samples were collected at 5-foot intervals where recovery permitted. Soil samples were submitted for laboratory analysis as indicated on the boring/well construction logs. Upon completing the sampling, the borings were converted to groundwater wells constructed as indicated on the boring/well construction logs. Groundwater was encountered at about 5 to 10 feet below ground surface.

Telephone
858.536.5610
Facsimile
858.536.5620

Following this cover letter are a Site Location Map and a Well Location Map (Figures 1 and 2, respectively). Soil boring/well construction logs, soil sample analytical results, groundwater analytical results, and a copy of the permit.

All soil cuttings and rinsate water generated during the drilling activities, were placed into United Nations/Department of Transportation-rated 55-gallon drums, labeled, and disposed of properly as non-hazardous waste on August 10, 2001.

If you have any questions, please call me at (858) 536-5610.

Very truly yours,
Earth Tech, Inc.

Gregory W. Delson, R.G. 6983
Project Manager


PROJECT LOCATION
Alvarado
LA MESA
Picnic Area
Intake
Filtration Plant
Sunset Park
Medical Center
Hosp
Muir Sch
Weinberger Sch
Stevenson Hosp
St Martins Academy
Lutheran Sch
La Mesa Sch
Clay Sch
Roland Sch
YMCA
Roland Park
Rolando Park
Res
Mantay Reservoir
NORMAL POOL ELEV 508
EL PASO
MURRAY
LAKE
COLONY
ARBUTUS
ARBUTUS
ARBUTUS

EARTH TECH

Borehole/Well Constuction Log

Project Name: Phase II Investigation Sid's Auto Body	Project Number: 41641	Borehole Number: MW-1	
Borehole Location: Sid's Auto Body	*Northing:* 1861658.99	*Easting:* 9317976.37	Sheet 1 of 1
Drilling Agency: THF Drilling, Inc.	Driller: Tim Bertucci		
Drilling Equipment: Ingersoll Rand TH60	Date Started: 5/19/01	Total Depth (feet): 21.0	
Drilling Method: Air Rotary Casing Hammer	Number of Samples: 2	Date Finished: 5/19/01	Depth to Bedrock (feet): 17.0
Drilling Fluid: none	Borehole Diameter (in): 8	Depth to Water (feet): *Drilling:* 10.00	*Static:* 10.95
Completion Information: 4" Schedule 40 0.02" slot PVC screen placed from 20 to 5 ft. Blank casing placed from 5 to 0 ft. #3 sand filter pack placed from 21 to 4 ft. Bentonite seal placed from 4 to 1 ft. Concrete seal placed from 1 to 0 ft.		Elevation (feet MSL): *Ground:* NA *Top of Casing:* 400.26	
		Logged By: Greg Delson	Checked By: Adrianne Saboya

Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analyses: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
0											Asphaltic concrete		Sample MW-1-B-0
			NA		0927					GW	FILL. Dark yellowish brown (10YR3/4) cobbly GRAVEL; well graded, medium to coarse-grained, 20% cobbles, moist. Subrounded to rounded cobbles. Cobbles 3 to 4-inch diameter. No hydrocarbon odor.		
5			7 10 14	0%	1115		0.0/0.0			GW	FILL. Attempted sample at 5 feet bgs. No recovery due to cobbles.		
10			30 21 60	80%	1150		0.0/0.0			GW	ALLUVIUM. Very dense; dark yellowish brown (10YR3/4) GRAVEL; well graded, medium to coarse-grained, moist. Subrounded to rounded gravel clasts. No hydrocarbon odor.		
15													
20											SANTIAGO PEAK VOLCANICS. ANDESITE, dark greenish gray, hard, moist, aphanitic, silicified tuff matrix, hornblende and feldspar grains up to 1/8-inch diameter, moderately fractured. Refusal on all attempts to collect split spoon samples.		
											Boring terminated at 21 feet below ground surface. Groundwater table encountered at 10 feet below ground surface during drilling.		
25													
30													

EAFB_Well(SB)\Sid's Auto Body\Phase II Investigation Sid's Auto Body\41641

EARTH TECH

Borehole/Well Constuction Log

Project Name: Phase II Investigation Sid's Auto Body	Project Number: 41641	**Borehole Number:** MW-2	
Borehole Location: Sid's Auto Body	*Northing:* 1861635.63	*Easting:* 6318123.16	Sheet 1 of 1
Drilling Agency: THF Drilling, Inc.	Driller Ramon Quezada		
Drilling Equipment: RT-1800	Date Started: 6/2/01	Total Depth (feet): 19.5	
Drilling Method: Air Rotary Casing Hammer	Number of Samples. 2	Date Finished: 6/3/01	Depth to Bedrock (feet): 7.0
Drilling Fluid. none	Borehole Diameter (in): 8	Depth to Water (feet): *Drilling:* 7.00	*Static:* 7.47
Completion Information: 4" Schedule 40 0.02" slot PVC screen placed from 19 to 4 ft. Blank casing placed from 4 to 0 ft. #3 sand filter pack placed from 19.5 to 3 ft. Bentonite seal placed from 3 to 1 ft. Concrete seal placed from 1 to 0 ft.		Elevation (feet MSL): *Ground:* NA *Top of Casing:* 401.84	
		Logged By: Greg Delson	Checked By: Adrianne Saboya

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analyses: FID (ppm) Sample/Background	Field Analyses: PID (ppm) Sample/Background	Field Analyses: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
0											Asphaltic concrete 1'		Sample MW-2-B-01
			NA		1210					SC	STADIUM CONGLOMERATE. Dense, olive gray (5Y4/2), clayey SAND. Well graded sand, some cobbles and gravel, dry, no hydrocarbon odor.	2' 3'	
5			18 24 40	80%	1400		0.0/0.0			SC	STADIUM CONGLOMERATE. Dense, olive gray (5Y4/2) clayey SAND, well graded sand grains, dry, no hydrocarbon odor.		Sample MW-2-B-05
10											SANTIAGO PEAK VOLCANICS. ANDESITE, dark greenish gray, hard, moist, aphanitic, silicified tuff matrix, hornblende and feldspar grains up to 1/8-inch diameter, moderately fractured. Refusal on all attempts to collect split spoon samples.		
15													
20											Boring terminated at 19.5' below ground surface. Groundwater table encountered at 7.4 feet below ground surface during drilling.		
25													
30													

EAFB_Well(SB)\Sid's Auto Body\Phase II Investigation Sid's Auto Body\41641

EARTH TECH

Borehole/Well Constuction Log

Project Name: Phase II Investigation Sid's Auto Body	Project Number: 41641	**Borehole Number:** MW-3	
Borehole Location. Sid's Auto Body	*Northing:* 1861570.65	*Easting.* 6318407.25	Sheet 1 of 1
Drilling Agency: THF Drilling, Inc		Driller: Ramon Quezada	
Drilling Equipment: RT-1800		Date Started: 6/3/01	Total Depth (feet): 28.0
Drilling Method: Air Rotary Casing Hammer	Number of Samples: 2	Date Finished: 6/3/01	Depth to Bedrock (feet): 16.0
Drilling Fluid: none	*Borehole* Diameter (in): 8	*Depth to* Water (feet): *Drilling.* 9.00	*Static:* 5.91
Completion Information. 4" Schedule 40 0.02" slot PVC screen placed from 26 to 6 ft. Blank casing placed from 6 to 0 ft. #3 sand filter pack placed from 28 to 5 ft. Bentonite seal placed from 5 to 2 ft. Concrete seal placed from 2 to 0 ft.		Elevation (feet MSL): *Ground:* NA *Top of Casing:* 405.47	
		Logged By: Greg Delson	Checked By: Adrianne Saboya

Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analyses: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
0											Asphaltic concrete.		
			NA	NA	0800					SW	FILL. Loose, dark yellowish brown (10YR4/4) SAND, some silt. Well graded sand grains, moist, no hydrocarbon odor.		MW-3-B-01
5			3 9 10	10%	1020		NA			GW	STADIUM CONGLOMERATE. Loose, dark brown (7.5YR3/4) sandy GRAVEL. Well graded, moist, no hydrocarbon odor.		Not sufficient recovery for PID. Sample MW-3-B-05
10													No sample collected at 10 feet bgs because groundwater table encountered at 9 feet bgs.
15											SANTIAGO PEAK VOLCANICS. ANDESITE, dark greenish gray, hard, moist, aphanitic, silicified tuff matrix, hornblende and feldspar grains up to 1/8-inch diameter, moderately fractured. Refusal on all attempts to collect split spoon samples.		
20													
25													
28											Boring terminated at 28' bgs. Groundwater table encountered at 9 feet bgs during drilling.		
30													

BAFB_Well/SB\Sid's Auto Body\Phase II Investigation Sid's Auto Body\41641

Del Mar Analytical

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9830 South 51st St , Suite B-120 Phoenix AZ 85044 (480) 785-0043 FAX (480) 785 08[illegible]

LABORATORY REPORT

Prepared For: Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131

Attention: Greg Delson
Project: 41641.02

Sampled: 05/19/01
Received: 05/21/01
Reported: 06/01/01

This laboratory report is confidential and is intended for the sole use of Del Mar Analytical and its client. This entire report was reviewed and approved for release.

CA ELAP Certificate #1197
AZ DHS License #AZ0428

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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9830 South 51st St Suite B 120, Phoenix, AZ 85044 (480) 785 0043 FAX (480) 785 0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

SAMPLE CROSS REFERENCE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	ANALYSES
IKE0708-01	Sids-SS1	Soil	EPA 6010B EPA 7471A EPA 8015B MOD. EPA 8270C
IKE0708-02	Sids-SS2	Soil	EPA 6010B EPA 7471A EPA 8015B MOD. EPA 8270C
IKE0708-03	MW-1-B-0	Soil	EPA 6010B EPA 7471A EPA 8015B MOD. EPA 8270C
IKE0708-04	Cleanup Drum MW-1	Soil	EPA 6010B EPA 7471A EPA 8015B MOD. EPA 8260B EPA 8270C

DEL MAR ANALYTICAL, IRVINE (CA ELAP #1197)

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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9830 South 51st St Suite B-120 Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785 0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKE0708-01 (Sids-SS1 - Soil)								QD
DRO (C8-C28)	EPA 8015B MODI	E2232	5.0	ND	1	5/22/01	5/23/01	
ORO (C29-C40)	EPA 8015B MODI	E2232	5.0	ND	1	5/22/01	5/23/01	
EFH (C8 - C40)	EPA 8015B MODI	E2232	5.0	ND	1	5/22/01	5/23/01	
Surrogate: n-Octacosane (45-120%)				*68.8 %*				
Sample ID: IKE0708-02 (Sids-SS2 - Soil)								QD
DRO (C8-C28)	EPA 8015B MODI	E2232	5.0	**49**	1	5/22/01	5/23/01	
ORO (C29-C40)	EPA 8015B MODI	E2232	5.0	**17**	1	5/22/01	5/23/01	
EFH (C8 - C40)	EPA 8015B MODI	E2232	5.0	**66**	1	5/22/01	5/23/01	
Surrogate: n-Octacosane (45-120%)				*96.7 %*				
Sample ID: IKE0708-03 (MW-1-B-0 - Soil)								QD
DRO (C8-C28)	EPA 8015B MODI	E2232	5.0	ND	1	5/22/01	5/23/01	
ORO (C29-C40)	EPA 8015B MODI	E2232	5.0	ND	1	5/22/01	5/23/01	
EFH (C8 - C40)	EPA 8015B MODI	E2232	5.0	ND	1	5/22/01	5/23/01	
Surrogate: n-Octacosane (45-120%)				*81.1 %*				
Sample ID: IKE0708-04 (Cleanup Drum MW-1 - Soil)								QD
DRO (C8-C28)	EPA 8015B MODI	E2232	5.0	**130**	1	5/22/01	5/23/01	
ORO (C29-C40)	EPA 8015B MODI	E2232	5.0	**26**	1	5/22/01	5/23/01	
EFH (C8 - C40)	EPA 8015B MODI	E2232	5.0	**160**	1	5/22/01	5/23/01	
Surrogate: n-Octacosane (45-120%)				*123 %*				*ZX*

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKE0708-03 (MW-1-B-0 - Soil)								
Acenaphthene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Acenaphthylene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Aniline	EPA 8270C	I1E2267	420	ND	1	5/22/01	5/31/01	
Anthracene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Azobenzene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Benzidine	EPA 8270C	I1E2267	660	ND	1	5/22/01	5/31/01	
Benzoic acid	EPA 8270C	I1E2267	830	ND	1	5/22/01	5/31/01	
Benzo(a)anthracene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Benzo(b)fluoranthene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Benzo(k)fluoranthene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Benzo(g,h,i)perylene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Benzo(a)pyrene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Benzyl alcohol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Bis(2-chloroethoxy)methane	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Bis(2-chloroethyl)ether	EPA 8270C	I1E2267	170	ND	1	5/22/01	5/31/01	
Bis(2-chloroisopropyl)ether	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Bis(2-ethylhexyl)phthalate	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
4-Bromophenyl phenyl ether	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Butyl benzyl phthalate	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Carbazole	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
4-Chloroaniline	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2-Chloronaphthalene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
4-Chloro-3-methylphenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2-Chlorophenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
4-Chlorophenyl phenyl ether	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Chrysene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Dibenz(a,h)anthracene	EPA 8270C	I1E2267	420	ND	1	5/22/01	5/31/01	
Dibenzofuran	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Di-n-butyl phthalate	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
1,3-Dichlorobenzene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
1,4-Dichlorobenzene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
1,2-Dichlorobenzene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
3,3-Dichlorobenzidine	EPA 8270C	I1E2267	830	ND	1	5/22/01	5/31/01	
2,4-Dichlorophenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Diethyl phthalate	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2,4-Dimethylphenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Dimethyl phthalate	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
4,6-Dinitro-2-methylphenol	EPA 8270C	I1E2267	420	ND	1	5/22/01	5/31/01	
2,4-Dinitrophenol	EPA 8270C	I1E2267	420	ND	1	5/22/01	5/31/01	
2,4-Dinitrotoluene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2,6-Dinitrotoluene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Di-n-octyl phthalate	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKE0708-03 (MW-1-B-0 - Soil)								
Fluoranthene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Fluorene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Hexachlorobenzene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Hexachlorobutadiene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Hexachlorocyclopentadiene	EPA 8270C	I1E2267	830	ND	1	5/22/01	5/31/01	
Hexachloroethane	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Indeno(1,2,3-cd)pyrene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Isophorone	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2-Methylnaphthalene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2-Methylphenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
4-Methylphenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Naphthalene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2-Nitroaniline	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
3-Nitroaniline	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
4-Nitroaniline	EPA 8270C	I1E2267	830	ND	1	5/22/01	5/31/01	
Nitrobenzene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2-Nitrophenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
4-Nitrophenol	EPA 8270C	I1E2267	830	ND	1	5/22/01	5/31/01	
n-Nitrosodiphenylamine	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
n-Nitroso-di-n-propylamine	EPA 8270C	I1E2267	250	ND	1	5/22/01	5/31/01	
Pentachlorophenol	EPA 8270C	I1E2267	830	ND	1	5/22/01	5/31/01	
Phenanthrene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Phenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Pyrene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
1,2,4-Trichlorobenzene	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2,4,5-Trichlorophenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
2,4,6-Trichlorophenol	EPA 8270C	I1E2267	330	ND	1	5/22/01	5/31/01	
Surrogate: 2-Fluorophenol (25-110%)				*65.7 %*				
Surrogate: Phenol-d6 (30-110%)				*75.9 %*				
Surrogate: 2,4,6-Tribromophenol (45-130%)				*86.8 %*				
Surrogate: Nitrobenzene-d5 (30-110%)				*79.0 %*				
Surrogate: 2-Fluorobiphenyl (30-110%)				*80.2 %*				
Surrogate: Terphenyl-d14 (45-145%)				*103 %*				

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKE0708-03 (MW-1-B-0 - Soil)								
Antimony	EPA 6010B	I1E2248	10	ND	1	5/22/01	5/23/01	
Arsenic	EPA 6010B	I1E2248	2.0	**27**	1	5/22/01	5/23/01	
Barium	EPA 6010B	I1E2248	1.0	**300**	1	5/22/01	5/23/01	
Beryllium	EPA 6010B	I1E2248	0.50	**0.74**	1	5/22/01	5/23/01	
Cadmium	EPA 6010B	I1E2248	0.50	ND	1	5/22/01	5/23/01	
Chromium	EPA 6010B	I1E2248	1.0	**7.3**	1	5/22/01	5/23/01	
Cobalt	EPA 6010B	I1E2248	1.0	**6.5**	1	5/22/01	5/23/01	
Copper	EPA 6010B	I1E2248	1.0	**8.7**	1	5/22/01	5/23/01	
Lead	EPA 6010B	I1E2248	2.0	**13**	1	5/22/01	5/23/01	
Mercury	EPA 7471A	I1E2332	0.020	ND	1	5/23/01	5/23/01	
Molybdenum	EPA 6010B	I1E2248	2.0	ND	1	5/22/01	5/23/01	
Nickel	EPA 6010B	I1E2248	1.0	**3.6**	1	5/22/01	5/23/01	
Selenium	EPA 6010B	I1E2248	2.0	**3.2**	1	5/22/01	5/23/01	
Silver	EPA 6010B	I1E2248	1.0	ND	1	5/22/01	5/23/01	
Thallium	EPA 6010B	I1E2248	10	ND	1	5/22/01	5/23/01	
Vanadium	EPA 6010B	I1E2248	1.0	**78**	1	5/22/01	5/23/01	
Zinc	EPA 6010B	I1E2248	5.0	**32**	1	5/22/01	5/23/01	
Sample ID: IKE0708-04 (Cleanup Drum MW-1 - Soil)								
Antimony	EPA 6010B	I1E2248	10	ND	1	5/22/01	5/23/01	
Arsenic	EPA 6010B	I1E2248	2.0	**13**	1	5/22/01	5/23/01	
Barium	EPA 6010B	I1E2248	1.0	**53**	1	5/22/01	5/23/01	
Beryllium	EPA 6010B	I1E2248	0.50	ND	1	5/22/01	5/23/01	
Cadmium	EPA 6010B	I1E2248	0.50	ND	1	5/22/01	5/23/01	
Chromium	EPA 6010B	I1E2248	1.0	**4.3**	1	5/22/01	5/23/01	
Cobalt	EPA 6010B	I1E2248	1.0	**2.9**	1	5/22/01	5/23/01	
Copper	EPA 6010B	I1E2248	1.0	**22**	1	5/22/01	5/23/01	
Lead	EPA 6010B	I1E2248	2.0	**6.2**	1	5/22/01	5/23/01	
Mercury	EPA 7471A	I1E2332	0.020	ND	1	5/23/01	5/23/01	
Molybdenum	EPA 6010B	I1E2248	2.0	ND	1	5/22/01	5/23/01	
Nickel	EPA 6010B	I1E2248	1.0	**5.9**	1	5/22/01	5/23/01	
Selenium	EPA 6010B	I1E2248	2.0	**2.8**	1	5/22/01	5/23/01	
Silver	EPA 6010B	I1E2248	1.0	ND	1	5/22/01	5/23/01	
Thallium	EPA 6010B	I1E2248	10	ND	1	5/22/01	5/23/01	
Vanadium	EPA 6010B	I1E2248	1.0	**29**	1	5/22/01	5/23/01	
Zinc	EPA 6010B	I1E2248	5.0	**18**	1	5/22/01	5/23/01	

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Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2232 Extracted: 05/22/01										
Blank Analyzed: 05/22/01 (I1E2232-BLK1)										QD
DRO (C8-C28)	ND	5.0	mg/kg							
ORO (C29-C40)	ND	5.0	mg/kg							
EFH (C8 - C40)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	*5.38*		*mg/kg*	*6.67*		*80.7*	*45-120*			
LCS Analyzed: 05/22/01 (I1E2232-BS1)										QD
EFH (C8 - C40)	29.8	5.0	mg/kg	33.3		89.5	50-115			
Surrogate: n-Octacosane	*5.19*		*mg/kg*	*6.67*		*77.8*	*45-120*			
Matrix Spike Analyzed: 05/22/01 (I1E2232-MS1)					**Source: IKE0708-01**					QD
EFH (C8 - C40)	35.5	5.0	mg/kg	33.3	ND	94.3	35-130			
Surrogate: n-Octacosane	*5.93*		*mg/kg*	*6.67*		*88.9*	*45-120*			
Matrix Spike Dup Analyzed: 05/22/01 (I1E2232-MSD1)					**Source: IKE0708-01**					QD
EFH (C8 - C40)	32.4	5.0	mg/kg	33.3	ND	85.0	35-130	9.13	30	
Surrogate: n-Octacosane	*5.83*		*mg/kg*	*6.67*		*87.4*	*45-120*			

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Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2913 Extracted: 05/29/01										
Blank Analyzed: 05/29/01 (I1E2913-BLK1)										
Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
4-Chlorotoluene	ND	5.0	ug/kg							
Dibromochloromethane	ND	2.0	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg							
Dibromomethane	ND	2.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	ug/kg							
1,3-Dichlorobenzene	ND	2.0	ug/kg							
1,4-Dichlorobenzene	ND	2.0	ug/kg							
Dichlorodifluoromethane	ND	5.0	ug/kg							
1,1-Dichloroethane	ND	2.0	ug/kg							
1,2-Dichloroethane	ND	2.0	ug/kg							
1,1-Dichloroethene	ND	5.0	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	ug/kg							
1,2-Dichloropropane	ND	2.0	ug/kg							
1,3-Dichloropropane	ND	2.0	ug/kg							
2,2-Dichloropropane	ND	2.0	ug/kg							
1,1-Dichloropropene	ND	2.0	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	ug/kg							
trans-1,3-Dichloropropene	ND	2.0	ug/kg							
Ethylbenzene	ND	2.0	ug/kg							

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Received: 05/21/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2913 Extracted: 05/29/01										
Blank Analyzed: 05/29/01 (I1E2913-BLK1)										
Hexachlorobutadiene	ND	5.0	ug/kg							
Isopropylbenzene	ND	2.0	ug/kg							
p-Isopropyltoluene	ND	2.0	ug/kg							
Methylene chloride	ND	20	ug/kg							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Propylbenzene	ND	2.0	ug/kg							
Styrene	ND	2.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg							
Tetrachloroethene	ND	2.0	ug/kg							
Toluene	ND	2.0	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	ug/kg							
1,1,2-Trichloroethane	ND	2.0	ug/kg							
Trichloroethene	ND	2.0	ug/kg							
Trichlorofluoromethane	ND	5.0	ug/kg							
1,2,3-Trichloropropane	ND	10	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	ug/kg							
Vinyl chloride	ND	5.0	ug/kg							
o-Xylene	ND	2.0	ug/kg							
m,p-Xylenes	ND	2.0	ug/kg							
Surrogate: Dibromofluoromethane	*50.4*		*ug/kg*	*50.0*		*101*	*85-125*			
Surrogate: Toluene-d8	*51.6*		*ug/kg*	*50.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*48.7*		*ug/kg*	*50.0*		*97.4*	*80-120*			

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Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2913 Extracted: 05/29/01										
LCS Analyzed: 05/29/01 (I1E2913-BS1)										
Benzene	48.5	2.0	ug/kg	50.0		97.0	75-130			
Bromobenzene	52.3	5.0	ug/kg	50.0		105	75-130			
Bromochloromethane	53.1	5.0	ug/kg	50.0		106	70-140			
Bromodichloromethane	54.3	2.0	ug/kg	50.0		109	75-135			
Bromoform	55.4	5.0	ug/kg	50.0		111	55-130			
Bromomethane	43.0	5.0	ug/kg	50.0		86.0	65-140			
n-Butylbenzene	47.0	5.0	ug/kg	50.0		94.0	75-130			
sec-Butylbenzene	48.3	5.0	ug/kg	50.0		96.6	80-135			
tert-Butylbenzene	48.6	5.0	ug/kg	50.0		97.2	75-130			
Carbon tetrachloride	52.8	5.0	ug/kg	50.0		106	70-160			
Chlorobenzene	50.4	2.0	ug/kg	50.0		101	75-130			
Chloroethane	44.7	5.0	ug/kg	50.0		89.4	65-135			
Chloroform	47.0	2.0	ug/kg	50.0		94.0	75-130			
Chloromethane	38.1	5.0	ug/kg	50.0		76.2	45-130			
2-Chlorotoluene	47.1	5.0	ug/kg	50.0		94.2	75-130			
4-Chlorotoluene	47.9	5.0	ug/kg	50.0		95.8	80-130			
Dibromochloromethane	54.7	2.0	ug/kg	50.0		109	70-140			
1,2-Dibromo-3-chloropropane	49.1	5.0	ug/kg	50.0		98.2	50-145			
1,2-Dibromoethane (EDB)	56.8	2.0	ug/kg	50.0		114	60-145			
Dibromomethane	55.2	2.0	ug/kg	50.0		110	65-135			
1,2-Dichlorobenzene	49.1	2.0	ug/kg	50.0		98.2	75-130			
1,3-Dichlorobenzene	48.1	2.0	ug/kg	50.0		96.2	75-130			
1,4-Dichlorobenzene	46.8	2.0	ug/kg	50.0		93.6	80-125			
Dichlorodifluoromethane	45.4	5.0	ug/kg	50.0		90.8	10-140			
1,1-Dichloroethane	45.9	2.0	ug/kg	50.0		91.8	75-135			
1,2-Dichloroethane	49.7	2.0	ug/kg	50.0		99.4	65-140			
1,1-Dichloroethene	49.0	5.0	ug/kg	50.0		98.0	70-145			
cis-1,2-Dichloroethene	47.0	2.0	ug/kg	50.0		94.0	70-130			
trans-1,2-Dichloroethene	49.3	2.0	ug/kg	50.0		98.6	75-140			
1,2-Dichloropropane	49.7	2.0	ug/kg	50.0		99.4	75-130			
1,3-Dichloropropane	54.9	2.0	ug/kg	50.0		110	65-140			
2,2-Dichloropropane	38.6	2.0	ug/kg	50.0		77.2	75-150			
1,1-Dichloropropene	46.1	2.0	ug/kg	50.0		92.2	75-140			
cis-1,3-Dichloropropene	52.9	2.0	ug/kg	50.0		106	65-135			
trans-1,3-Dichloropropene	54.9	2.0	ug/kg	50.0		110	65-140			
Ethylbenzene	49.5	2.0	ug/kg	50.0		99.0	75-135			

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Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2913 Extracted: 05/29/01										
LCS Analyzed: 05/29/01 (I1E2913-BS1)										
Hexachlorobutadiene	48.8	5.0	ug/kg	50.0		97.6	75-150			
Isopropylbenzene	47.8	2.0	ug/kg	50.0		95.6	80-135			
p-Isopropyltoluene	45.8	2.0	ug/kg	50.0		91.6	75-130			
Methylene chloride	48.0	20	ug/kg	50.0		96.0	70-125			
Methyl-tert-butyl Ether (MTBE)	45.6	5.0	ug/kg	50.0		91.2	65-135			
Naphthalene	48.9	5.0	ug/kg	50.0		97.8	50-145			
n-Propylbenzene	49.0	2.0	ug/kg	50.0		98.0	80-135			
Styrene	52.2	2.0	ug/kg	50.0		104	75-140			
1,1,1,2-Tetrachloroethane	54.8	5.0	ug/kg	50.0		110	75-135			
1,1,2,2-Tetrachloroethane	55.6	2.0	ug/kg	50.0		111	70-135			
Tetrachloroethene	53.0	2.0	ug/kg	50.0		106	75-130			
Toluene	49.0	2.0	ug/kg	50.0		98.0	75-130			
1,2,3-Trichlorobenzene	44.3	5.0	ug/kg	50.0		88.6	50-140			
1,2,4-Trichlorobenzene	48.0	5.0	ug/kg	50.0		96.0	70-130			
1,1,1-Trichloroethane	46.0	2.0	ug/kg	50.0		92.0	75-140			
1,1,2-Trichloroethane	53.7	2.0	ug/kg	50.0		107	65-130			
Trichloroethene	50.4	2.0	ug/kg	50.0		101	75-130			
Trichlorofluoromethane	53.0	5.0	ug/kg	50.0		106	55-145			
1,2,3-Trichloropropane	53.8	10	ug/kg	50.0		108	60-140			
1,2,4-Trimethylbenzene	48.9	2.0	ug/kg	50.0		97.8	80-130			
1,3,5-Trimethylbenzene	49.2	2.0	ug/kg	50.0		98.4	80-135			
Vinyl chloride	38.8	5.0	ug/kg	50.0		77.6	45-140			
o-Xylene	48.6	2.0	ug/kg	50.0		97.2	75-130			
m,p-Xylenes	97.3	2.0	ug/kg	100		97.3	75-135			
Surrogate: Dibromofluoromethane	*50.2*		*ug/kg*	*50.0*		*100*	*85-125*			
Surrogate: Toluene-d8	*52.2*		*ug/kg*	*50.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50.1*		*ug/kg*	*50.0*		*100*	*80-120*			

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Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2913 Extracted: 05/29/01										
Matrix Spike Analyzed: 05/29/01 (I1E2913-MS1)					Source: IKE0715-07					
Benzene	44.6	2.0	ug/kg	50.0	ND	89.2	45-140			
Bromodichloromethane	47.8	2.0	ug/kg	50.0	ND	95.6	75-140			
Bromoform	45.5	5.0	ug/kg	50.0	ND	91.0	55-150			
Chlorobenzene	47.3	2.0	ug/kg	50.0	ND	94.6	75-135			
Chloroform	42.5	2.0	ug/kg	50.0	ND	85.0	75-140			
Dibromochloromethane	46.7	2.0	ug/kg	50.0	ND	93.4	70-140			
1,4-Dichlorobenzene	45.3	2.0	ug/kg	50.0	ND	90.6	80-145			
1,1-Dichloroethane	41.7	2.0	ug/kg	50.0	ND	83.4	70-150			
1,2-Dichloroethane	42.1	2.0	ug/kg	50.0	ND	84.2	65-145			
1,1-Dichloroethene	44.3	5.0	ug/kg	50.0	ND	88.6	70-165			
Ethylbenzene	47.0	2.0	ug/kg	50.0	ND	94.0	55-140			
Methyl-tert-butyl Ether (MTBE)	36.3	5.0	ug/kg	50.0	ND	72.6	65-155			
Naphthalene	38.0	5.0	ug/kg	50.0	ND	76.0	65-175			
Tetrachloroethene	51.5	2.0	ug/kg	50.0	ND	103	75-200			
Toluene	45.5	2.0	ug/kg	50.0	ND	91.0	50-140			
Trichloroethene	47.4	2.0	ug/kg	50.0	ND	94.8	75-145			
Vinyl chloride	37.5	5.0	ug/kg	50.0	ND	75.0	45-160			
o-Xylene	45.9	2.0	ug/kg	50.0	ND	91.8	75-150			
m,p-Xylenes	92.5	2.0	ug/kg	100	ND	92.5	55-160			
Surrogate: Dibromofluoromethane	*48.7*		*ug/kg*	*50.0*		*97.4*	*85-125*			
Surrogate: Toluene-d8	*51.9*		*ug/kg*	*50.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*49.7*		*ug/kg*	*50.0*		*99.4*	*80-120*			
Matrix Spike Dup Analyzed: 05/29/01 (I1E2913-MSD1)					Source: IKE0715-07					
Benzene	47.2	2.0	ug/kg	50.0	ND	94.4	45-140	5.66	20	
Bromodichloromethane	51.9	2.0	ug/kg	50.0	ND	104	75-140	8.22	20	
Bromoform	55.0	5.0	ug/kg	50.0	ND	110	55-150	18.9	30	
Chlorobenzene	50.0	2.0	ug/kg	50.0	ND	100	75-135	5.55	20	
Chloroform	45.4	2.0	ug/kg	50.0	ND	90.8	75-140	6.60	20	
Dibromochloromethane	53.4	2.0	ug/kg	50.0	ND	107	70-140	13.4	25	
1,4-Dichlorobenzene	48.0	2.0	ug/kg	50.0	ND	96.0	80-145	5.79	25	
1,1-Dichloroethane	44.4	2.0	ug/kg	50.0	ND	88.8	70-150	6.27	20	
1,2-Dichloroethane	47.9	2.0	ug/kg	50.0	ND	95.8	65-145	12.9	25	
1,1-Dichloroethene	47.2	5.0	ug/kg	50.0	ND	94.4	70-165	6.34	20	
Ethylbenzene	49.7	2.0	ug/kg	50.0	ND	99.4	55-140	5.58	20	
Methyl-tert-butyl Ether (MTBE)	44.3	5.0	ug/kg	50.0	ND	88.6	65-155	19.9	25	
Naphthalene	49.6	5.0	ug/kg	50.0	ND	99.2	65-175	26.5	40	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with MTBE by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2913 Extracted: 05/29/01										
Matrix Spike Dup Analyzed: 05/29/01 (I1E2913-MSD1)					**Source: IKE0715-07**					
Tetrachloroethene	54.8	2.0	ug/kg	50.0	ND	110	75-200	6.21	25	
Toluene	47.9	2.0	ug/kg	50.0	ND	95.8	50-140	5.14	20	
Trichloroethene	50.8	2.0	ug/kg	50.0	ND	102	75-145	6.92	20	
Vinyl chloride	38.4	5.0	ug/kg	50.0	ND	76.8	45-160	2.37	30	
o-Xylene	48.4	2.0	ug/kg	50.0	ND	96.8	75-150	5.30	20	
m,p-Xylenes	97.6	2.0	ug/kg	100	ND	97.6	55-160	5.37	20	
Surrogate: Dibromofluoromethane	*49.6*		*ug/kg*	*50.0*		*99.2*	*85-125*			
Surrogate: Toluene-d8	*51.6*		*ug/kg*	*50.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50.1*		*ug/kg*	*50.0*		*100*	*80-120*			

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2267 Extracted: 05/22/01										
Blank Analyzed: 05/29/01 (I1E2267-BLK1)										
Acenaphthene	ND	330	ug/kg							
Acenaphthylene	ND	330	ug/kg							
Aniline	ND	420	ug/kg							
Anthracene	ND	330	ug/kg							
Azobenzene	ND	330	ug/kg							
Benzidine	ND	660	ug/kg							
Benzoic acid	ND	830	ug/kg							
Benzo(a)anthracene	ND	330	ug/kg							
Benzo(b)fluoranthene	ND	330	ug/kg							
Benzo(k)fluoranthene	ND	330	ug/kg							
Benzo(g,h,i)perylene	ND	330	ug/kg							
Benzo(a)pyrene	ND	330	ug/kg							
Benzyl alcohol	ND	330	ug/kg							
Bis(2-chloroethoxy)methane	ND	330	ug/kg							
Bis(2-chloroethyl)ether	ND	170	ug/kg							
Bis(2-chloroisopropyl)ether	ND	330	ug/kg							
Bis(2-ethylhexyl)phthalate	ND	330	ug/kg							
4-Bromophenyl phenyl ether	ND	330	ug/kg							
Butyl benzyl phthalate	ND	330	ug/kg							
Carbazole	ND	330	ug/kg							
4-Chloroaniline	ND	330	ug/kg							
2-Chloronaphthalene	ND	330	ug/kg							
4-Chloro-3-methylphenol	ND	330	ug/kg							
2-Chlorophenol	ND	330	ug/kg							
4-Chlorophenyl phenyl ether	ND	330	ug/kg							
Chrysene	ND	330	ug/kg							
Dibenz(a,h)anthracene	ND	420	ug/kg							
Dibenzofuran	ND	330	ug/kg							
Di-n-butyl phthalate	ND	330	ug/kg							
1,3-Dichlorobenzene	ND	330	ug/kg							
1,4-Dichlorobenzene	ND	330	ug/kg							
1,2-Dichlorobenzene	ND	330	ug/kg							
3,3-Dichlorobenzidine	ND	830	ug/kg							
2,4-Dichlorophenol	ND	330	ug/kg							
Diethyl phthalate	ND	330	ug/kg							
2,4-Dimethylphenol	ND	330	ug/kg							

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2267 Extracted: 05/22/01										
Blank Analyzed: 05/29/01 (I1E2267-BLK1)										
Dimethyl phthalate	ND	330	ug/kg							
4,6-Dinitro-2-methylphenol	ND	420	ug/kg							
2,4-Dinitrophenol	ND	420	ug/kg							
2,4-Dinitrotoluene	ND	330	ug/kg							
2,6-Dinitrotoluene	ND	330	ug/kg							
Di-n-octyl phthalate	ND	330	ug/kg							
Fluoranthene	ND	330	ug/kg							
Fluorene	ND	330	ug/kg							
Hexachlorobenzene	ND	330	ug/kg							
Hexachlorobutadiene	ND	330	ug/kg							
Hexachlorocyclopentadiene	ND	830	ug/kg							
Hexachloroethane	ND	330	ug/kg							
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg							
Isophorone	ND	330	ug/kg							
2-Methylnaphthalene	ND	330	ug/kg							
2-Methylphenol	ND	330	ug/kg							
4-Methylphenol	ND	330	ug/kg							
Naphthalene	ND	330	ug/kg							
2-Nitroaniline	ND	330	ug/kg							
3-Nitroaniline	ND	330	ug/kg				-			
4-Nitroaniline	ND	830	ug/kg							
Nitrobenzene	ND	330	ug/kg							
2-Nitrophenol	ND	330	ug/kg							
4-Nitrophenol	ND	830	ug/kg							
n-Nitrosodiphenylamine	ND	330	ug/kg							
n-Nitroso-di-n-propylamine	ND	250	ug/kg							
Pentachlorophenol	ND	830	ug/kg							
Phenanthrene	ND	330	ug/kg							
Phenol	ND	330	ug/kg							
Pyrene	ND	330	ug/kg							
1,2,4-Trichlorobenzene	ND	330	ug/kg							
2,4,5-Trichlorophenol	ND	330	ug/kg							
2,4,6-Trichlorophenol	ND	330	ug/kg							
Surrogate: 2-Fluorophenol	*4040*		*ug/kg*	*6670*		*60.6*	*25-110*			
Surrogate: Phenol-d6	*4300*		*ug/kg*	*6670*		*64.5*	*30-110*			
Surrogate: 2,4,6-Tribromophenol	*5100*		*ug/kg*	*6670*		*76.5*	*45-130*			

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2267 Extracted: 05/22/01										
Blank Analyzed: 05/29/01 (I1E2267-BLK1)										
Surrogate: Nitrobenzene-d5	*2330*		*ug/kg*	*3330*		*70.0*	*30-110*			
Surrogate: 2-Fluorobiphenyl	*2500*		*ug/kg*	*3330*		*75.1*	*30-110*			
Surrogate: Terphenyl-d14	*2500*		*ug/kg*	*3330*		*75.1*	*45-145*			
LCS Analyzed: 05/29/01 (I1E2267-BS1)										
Acenaphthene	2530	330	ug/kg	3330		76.0	45-120			
Acenaphthylene	2840	330	ug/kg	3330		85.3	45-120			
Aniline	2570	420	ug/kg	3330		77.2	20-120			
Anthracene	2910	330	ug/kg	3330		87.4	65-120			
Azobenzene	2790	330	ug/kg	3330		83.8	40-120			
Benzidine	2280	660	ug/kg	3330		68.5	10-135			
Benzoic acid	2770	830	ug/kg	3330		83.2	20-120			
Benzo(a)anthracene	3150	330	ug/kg	3330		94.6	60-125			
Benzo(b)fluoranthene	3430	330	ug/kg	3330		103	55-145			
Benzo(k)fluoranthene	3330	330	ug/kg	3330		100	55-140			
Benzo(g,h,i)perylene	2120	330	ug/kg	3330		63.7	40-140			
Benzo(a)pyrene	3360	330	ug/kg	3330		101	65-135			
Benzyl alcohol	2750	330	ug/kg	3330		82.6	35-120			
Bis(2-chloroethoxy)methane	2630	330	ug/kg	3330		79.0	35-120			
Bis(2-chloroethyl)ether	2070	170	ug/kg	3330		62.2	30-120			
Bis(2-chloroisopropyl)ether	2500	330	ug/kg	3330		75.1	35-120			
Bis(2-ethylhexyl)phthalate	2760	330	ug/kg	3330		82.9	35-135			
4-Bromophenyl phenyl ether	3170	330	ug/kg	3330		95.2	45-120			
Butyl benzyl phthalate	2710	330	ug/kg	3330		81.4	50-130			
4-Chloroaniline	2310	330	ug/kg	3330		69.4	20-120			
2-Chloronaphthalene	2560	330	ug/kg	3330		76.9	35-120			
4-Chloro-3-methylphenol	3340	330	ug/kg	3330		100	40-120			
2-Chlorophenol	2510	330	ug/kg	3330		75.4	30-120			
4-Chlorophenyl phenyl ether	3110	330	ug/kg	3330		93.4	45-120			
Chrysene	2770	330	ug/kg	3330		83.2	55-130			
Dibenz(a,h)anthracene	2260	420	ug/kg	3330		67.9	45-130			
Dibenzofuran	2730	330	ug/kg	3330		82.0	45-120			
Di-n-butyl phthalate	2830	330	ug/kg	3330		85.0	50-125			
1,3-Dichlorobenzene	2280	330	ug/kg	3330		68.5	30-120			
1,4-Dichlorobenzene	2120	330	ug/kg	3330		63.7	25-120			
1,2-Dichlorobenzene	2310	330	ug/kg	3330		69.4	30-120			
3,3-Dichlorobenzidine	2930	830	ug/kg	3330		88.0	30-125			

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 41641.02
Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2267 Extracted: 05/22/01										
LCS Analyzed: 05/29/01 (I1E2267-BS1)										
2,4-Dichlorophenol	3010	330	ug/kg	3330		90.4	35-120			
Diethyl phthalate	2830	330	ug/kg	3330		85.0	45-120			
2,4-Dimethylphenol	2700	330	ug/kg	3330		81.1	30-120			
Dimethyl phthalate	2850	330	ug/kg	3330		85.6	45-120			
4,6-Dinitro-2-methylphenol	2980	420	ug/kg	3330		89.5	55-120			
2,4-Dinitrophenol	2940	420	ug/kg	3330		88.3	30-120			
2,4-Dinitrotoluene	3040	330	ug/kg	3330		91.3	50-125			
2,6-Dinitrotoluene	2960	330	ug/kg	3330		88.9	50-120			
Di-n-octyl phthalate	3450	330	ug/kg	3330		104	35-140			
Fluoranthene	3170	330	ug/kg	3330		95.2	55-125			
Fluorene	2820	330	ug/kg	3330		84.7	55-120			
Hexachlorobenzene	2890	330	ug/kg	3330		86.8	45-120			
Hexachlorobutadiene	2930	330	ug/kg	3330		88.0	30-120			
Hexachlorocyclopentadiene	3160	830	ug/kg	3330		94.9	25-120			
Hexachloroethane	2430	330	ug/kg	3330		73.0	25-120			
Indeno(1,2,3-cd)pyrene	2400	330	ug/kg	3330		72.1	45-145			
Isophorone	2820	330	ug/kg	3330		84.7	35-120			
2-Methylnaphthalene	2650	330	ug/kg	3330		79.6	35-120			
2-Methylphenol	2630	330	ug/kg	3330		79.0	30-120			
4-Methylphenol	2670	330	ug/kg	3330		80.2	35-120			
Naphthalene	2480	330	ug/kg	3330		74.5	35-120			
2-Nitroaniline	3210	330	ug/kg	3330		96.4	45-120			
3-Nitroaniline	2420	330	ug/kg	3330		72.7	30-120			
4-Nitroaniline	2880	830	ug/kg	3330		86.5	35-130			
Nitrobenzene	2790	330	ug/kg	3330		83.8	30-120			
2-Nitrophenol	2780	330	ug/kg	3330		83.5	35-120			
4-Nitrophenol	2670	830	ug/kg	3330		80.2	35-130			
n-Nitrosodiphenylamine	2790	330	ug/kg	3330		83.8	50-120			
n-Nitroso-di-n-propylamine	2770	250	ug/kg	3330		83.2	35-120			
Pentachlorophenol	3160	830	ug/kg	3330		94.9	40-120			
Phenanthrene	2800	330	ug/kg	3330		84.1	60-120			
Phenol	2390	330	ug/kg	3330		71.8	30-120			
Pyrene	2690	330	ug/kg	3330		80.8	50-135			
1,2,4-Trichlorobenzene	2620	330	ug/kg	3330		78.7	35-120			
2,4,5-Trichlorophenol	3130	330	ug/kg	3330		94.0	40-120			
2,4,6-Trichlorophenol	3030	330	ug/kg	3330		91.0	45-120			

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 41641.02
Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2267 Extracted: 05/22/01										
LCS Analyzed: 05/29/01 (I1E2267-BS1)										
Surrogate: 2-Fluorophenol	*4740*		*ug/kg*	*6670*		*71.1*	*25-110*			
Surrogate: Phenol-d6	*4930*		*ug/kg*	*6670*		*73.9*	*30-110*			
Surrogate: 2,4,6-Tribromophenol	*5640*		*ug/kg*	*6670*		*84.6*	*45-130*			
Surrogate: Nitrobenzene-d5	*2780*		*ug/kg*	*3330*		*83.5*	*30-110*			
Surrogate: 2-Fluorobiphenyl	*2600*		*ug/kg*	*3330*		*78.1*	*30-110*			
Surrogate: Terphenyl-d14	*2860*		*ug/kg*	*3330*		*85.9*	*45-145*			
Matrix Spike Analyzed: 05/29/01 (I1E2267-MS1)					**Source: IKE0708-01**					
Acenaphthene	2560	330	ug/kg	3330	ND	76.9	40-120			
Benzo(a)anthracene	2900	330	ug/kg	3330	ND	87.1	55-120			
4-Chloro-3-methylphenol	3050	330	ug/kg	3330	ND	91.6	40-130			
2-Chlorophenol	2410	330	ug/kg	3330	ND	72.4	25-120			
Dibenz(a,h)anthracene	2650	420	ug/kg	3330	ND	79.6	15-140			
Dimethyl phthalate	2850	330	ug/kg	3330	ND	85.6	45-120			
Hexachlorobutadiene	2800	330	ug/kg	3330	ND	84.1	25-120			
Naphthalene	2410	330	ug/kg	3330	ND	72.4	30-120			
4-Nitrophenol	2930	830	ug/kg	3330	ND	88.0	35-130			
n-Nitroso-di-n-propylamine	2630	250	ug/kg	3330	ND	79.0	30-125			
Pentachlorophenol	2840	830	ug/kg	3330	ND	85.3	40-120			
Phenol	2320	330	ug/kg	3330	ND	69.7	30-120			
Pyrene	2450	330	ug/kg	3330	ND	73.6	50-135			
1,2,4-Trichlorobenzene	2540	330	ug/kg	3330	ND	76.3	25-120			
Surrogate: 2-Fluorophenol	*4710*		*ug/kg*	*6670*		*70.6*	*25-110*			
Surrogate: Phenol-d6	*4870*		*ug/kg*	*6670*		*73.0*	*30-110*			
Surrogate: 2,4,6-Tribromophenol	*5520*		*ug/kg*	*6670*		*82.8*	*45-130*			
Surrogate: Nitrobenzene-d5	*2650*		*ug/kg*	*3330*		*79.6*	*30-110*			
Surrogate: 2-Fluorobiphenyl	*2580*		*ug/kg*	*3330*		*77.5*	*30-110*			
Surrogate: Terphenyl-d14	*2560*		*ug/kg*	*3330*		*76.9*	*45-145*			

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2267 Extracted: 05/22/01										
Matrix Spike Dup Analyzed: 05/29/01 (I1E2267-MSD1)					**Source: IKE0708-01**					
Acenaphthene	2480	330	ug/kg	3330	ND	74.5	40-120	3.17	20	
Benzo(a)anthracene	2940	330	ug/kg	3330	ND	88.3	55-120	1.37	15	
4-Chloro-3-methylphenol	3000	330	ug/kg	3330	ND	90.1	40-130	1.65	20	
2-Chlorophenol	2310	330	ug/kg	3330	ND	69.4	25-120	4.24	25	
Dibenz(a,h)anthracene	2630	420	ug/kg	3330	ND	79.0	15-140	0.758	25	
Dimethyl phthalate	2680	330	ug/kg	3330	ND	80.5	45-120	6.15	20	
Hexachlorobutadiene	2640	330	ug/kg	3330	ND	79.3	25-120	5.88	25	
Naphthalene	2320	330	ug/kg	3330	ND	69.7	30-120	3.81	20	
4-Nitrophenol	2770	830	ug/kg	3330	ND	83.2	35-130	5.61	25	
n-Nitroso-di-n-propylamine	2560	250	ug/kg	3330	ND	76.9	30-125	2.70	25	
Pentachlorophenol	2700	830	ug/kg	3330	ND	81.1	40-120	5.05	25	
Phenol	2240	330	ug/kg	3330	ND	67.3	30-120	3.51	30	
Pyrene	2660	330	ug/kg	3330	ND	79.9	50-135	8.22	20	
1,2,4-Trichlorobenzene	2440	330	ug/kg	3330	ND	73.3	25-120	4.02	25	
Surrogate: 2-Fluorophenol	*4300*		*ug/kg*	*6670*		*64.5*	*25-110*			
Surrogate: Phenol-d6	*4600*		*ug/kg*	*6670*		*69.0*	*30-110*			
Surrogate: 2,4,6-Tribromophenol	*5450*		*ug/kg*	*6670*		*81.7*	*45-130*			
Surrogate: Nitrobenzene-d5	*2480*		*ug/kg*	*3330*		*74.5*	*30-110*			
Surrogate: 2-Fluorobiphenyl	*2510*		*ug/kg*	*3330*		*75.4*	*30-110*			
Surrogate: Terphenyl-d14	*2760*		*ug/kg*	*3330*		*82.9*	*45-145*			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2248 Extracted: 05/22/01										
Blank Analyzed: 05/23/01 (I1E2248-BLK1)										
Antimony	ND	10	mg/kg							
Arsenic	ND	2.0	mg/kg							
Barium	ND	1.0	mg/kg							
Beryllium	ND	0.50	mg/kg							
Cadmium	ND	0.50	mg/kg							
Chromium	ND	1.0	mg/kg							
Cobalt	ND	1.0	mg/kg							
Copper	ND	1.0	mg/kg							
Lead	ND	2.0	mg/kg							
Molybdenum	ND	2.0	mg/kg							
Nickel	ND	1.0	mg/kg							
Selenium	ND	2.0	mg/kg							
Silver	ND	1.0	mg/kg							
Thallium	ND	10	mg/kg							
Vanadium	ND	1.0	mg/kg							
Zinc	ND	5.0	mg/kg							
LCS Analyzed: 05/23/01 (I1E2248-BS1)										
Antimony	51.5	10	mg/kg	50.0		103	80-120			
Arsenic	46.8	2.0	mg/kg	50.0		93.6	80-120			
Barium	49.2	1.0	mg/kg	50.0		98.4	80-120			
Beryllium	46.6	0.50	mg/kg	50.0		93.2	80-120			
Cadmium	45.7	0.50	mg/kg	50.0		91.4	80-120			
Chromium	47.7	1.0	mg/kg	50.0		95.4	80-120			
Cobalt	46.3	1.0	mg/kg	50.0		92.6	80-120			
Copper	47.1	1.0	mg/kg	50.0		94.2	80-120			
Lead	45.9	2.0	mg/kg	50.0		91.8	80-120			
Molybdenum	49.6	2.0	mg/kg	50.0		99.2	80-120			
Nickel	45.8	1.0	mg/kg	50.0		91.6	80-120			
Selenium	45.2	2.0	mg/kg	50.0		90.4	80-120			
Silver	21.8	1.0	mg/kg	25.0		87.2	80-120			
Thallium	44.8	10	mg/kg	50.0		89.6	80-120			
Vanadium	47.2	1.0	mg/kg	50.0		94.4	80-120			
Zinc	47.3	5.0	mg/kg	50.0		94.6	80-120			

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METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2248 Extracted: 05/22/01										
Matrix Spike Analyzed: 05/23/01 (I1E2248-MS1)					**Source: IKE0708-01**					
Antimony	24.6	10	mg/kg	50.0	ND	40.8	75-125			*M2*
Arsenic	37.5	2.0	mg/kg	50.0	ND	71.8	75-125			*M2*
Barium	65.0	1.0	mg/kg	50.0	26	78.0	75-125			
Beryllium	38.5	0.50	mg/kg	50.0	ND	77.0	75-125			
Cadmium	35.5	0.50	mg/kg	50.0	ND	70.5	75-125			*M2*
Chromium	39.9	1.0	mg/kg	50.0	2.4	75.0	75-125			
Cobalt	38.2	1.0	mg/kg	50.0	1.7	73.0	75-125			*M2*
Copper	41.2	1.0	mg/kg	50.0	4.2	74.0	75-125			*M2*
Lead	40.0	2.0	mg/kg	50.0	5.9	68.2	75-125			*M2*
Molybdenum	37.4	2.0	mg/kg	50.0	ND	74.1	75-125			*M2*
Nickel	37.1	1.0	mg/kg	50.0	ND	72.8	75-125			*M2*
Selenium	34.9	2.0	mg/kg	50.0	2.3	65.2	75-125			*M2*
Silver	18.5	1.0	mg/kg	25.0	1.0	70.0	75-125			*M2*
Thallium	31.4	10	mg/kg	50.0	ND	62.8	75-125			*M2*
Vanadium	50.0	1.0	mg/kg	50.0	12	76.0	75-125			
Zinc	51.8	5.0	mg/kg	50.0	17	69.6	75-125			*M2*
Matrix Spike Dup Analyzed: 05/23/01 (I1E2248-MSD1)					**Source: IKE0708-01**					
Antimony	22.8	10	mg/kg	50.0	ND	37.2	75-125	7.59	20	*M2*
Arsenic	37.8	2.0	mg/kg	50.0	ND	72.4	75-125	0.797	20	*M2*
Barium	68.7	1.0	mg/kg	50.0	26	85.4	75-125	5.53	20	
Beryllium	39.1	0.50	mg/kg	50.0	ND	78.2	75-125	1.55	20	
Cadmium	35.9	0.50	mg/kg	50.0	ND	71.3	75-125	1.12	20	*M2*
Chromium	41.1	1.0	mg/kg	50.0	2.4	77.4	75-125	2.96	20	
Cobalt	38.6	1.0	mg/kg	50.0	1.7	73.8	75-125	1.04	20	*M2*
Copper	41.7	1.0	mg/kg	50.0	4.2	75.0	75-125	1.21	20	
Lead	41.3	2.0	mg/kg	50.0	5.9	70.8	75-125	3.20	20	*M2*
Molybdenum	37.9	2.0	mg/kg	50.0	ND	75.1	75-125	1.33	20	
Nickel	37.7	1.0	mg/kg	50.0	ND	74.0	75-125	1.60	20	*M2*
Selenium	35.2	2.0	mg/kg	50.0	2.3	65.8	75-125	0.856	20	*M2*
Silver	18.8	1.0	mg/kg	25.0	1.0	71.2	75-125	1.61	20	*M2*
Thallium	32.6	10	mg/kg	50.0	ND	65.2	75-125	3.75	20	*M2*
Vanadium	51.7	1.0	mg/kg	50.0	12	79.4	75-125	3.34	20	
Zinc	53.1	5.0	mg/kg	50.0	17	72.2	75-125	2.48	20	*M2*

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1E2332 Extracted: 05/23/01										
Blank Analyzed: 05/23/01 (I1E2332-BLK1)										
Mercury	ND	0.020	mg/kg							
LCS Analyzed: 05/23/01 (I1E2332-BS1)										
Mercury	0.868	0.020	mg/kg	0.800		108	85-120			
Matrix Spike Analyzed: 05/23/01 (I1E2332-MS1)					Source: IKE0626-33					
Mercury	0.895	0.020	mg/kg	0.800	0.026	109	65-135			
Matrix Spike Dup Analyzed: 05/23/01 (I1E2332-MSD1)					***Source: IKE0626-33***					
Mercury	0.852	0.020	mg/kg	0.800	0.026	103	65-135	4.92	20	

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.02

Report Number: IKE0708

Sampled: 05/19/01
Received: 05/21/01

DATA QUALIFIERS AND DEFINITIONS

M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
QD	Quantitated against a diesel fuel standard.
RL-1	Reporting limit raised due to sample matrix interference.
RL-2	Reporting limit raised due to high concentrations of hydrocarbons.
ZX	Due to sample matrix effects, the surrogate recovery was outside acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR	Not reported.
RPD	Relative Percent Difference

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CHAIN OF CUSTODY FORM

Page 1 of 1

Client Name/Address: Earth Tech, 9675 Business Park Ave, San Diego, CA 92131-1644

Project/PO Number: 41641.02

Project Manager: Greg Delson

Phone Number: (858) 536-5610

Sampler: Greg Delson / John McGuiness

Fax Number: (858) 536-5620

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	TPHd, TPHo Epa Method 8015 Method	SVOC Epa Method 8270C	Metals CAM17 EPA Method 6010	VOCs EPA Method 8260B						Special Instructions
Sids-SS1	soil	glass Jar	1	5/19/01	12:16	Ice	X	X	X							
Sids-SS2	soil	glass Jar	1	↓	12:29	↓	X	X	X							
MW-1-B-0	soil	glass Jar	1	↓	9:27	↓	X	X	X							
Cleanup Drum MW-1	soil	glass Jar	1	↓	5:00	↓	X	X	X	X						

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	5/21/01 9:55	KR Gumolay	05.21.01 0955
KR Gumolay	05/21/01 1200		
KR Gumolay	05/21/01 1200 KRG	Received in Lab by: [signature]	5/21/00 1200

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice 4°C

Note: By relinquishing samples to Del Mar Analytical, 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.

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LABORATORY REPORT

Prepared For: Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131

Attention: Greg Delson
Project: 41641.03

Sampled: 06/02/01
Received: 06/04/01
Reported: 06/20/01

This laboratory report is confidential and is intended for the sole use of Del Mar Analytical and its client. This entire report was reviewed and approved for release.

CA ELAP Certificate #1197
AZ DHS License #AZ0428

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	ANALYSES
IKF0095-01	MW-2-B-01	Soil	EPA 6010B
			EPA 7471A
			EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKF0095-02	MW-2-B-05	Soil	EPA 6010B
			EPA 7471A
			EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKF0095-03	Sids-SS3	Soil	EPA 8015B MOD.
IKF0095-04	MW-3-B-01	Soil	EPA 6010B
			EPA 7471A
			EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKF0095-05	Sids-SS4	Soil	EPA 6010B
			EPA 7471A
			EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKF0095-06	MW-3-B-05	Soil	EPA 6010B
			EPA 7471A
			EPA 8015B
			EPA 8015B MOD.
			EPA 8270C

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	ANALYSES
IKF0095-15	Sids-SS7-D	Soil	EPA 6010B EPA 7471A EPA 8015B MOD. EPA 8270C
IKF0095-16	Sids-SS6-D	Soil	EPA 6010B EPA 7471A EPA 8015B EPA 8015B MOD. EPA 8260B EPA 8270C

SAMPLE RECEIPT: Samples were received intact, on ice at 2°C and with chain of custody documentation. Soil samples were received in Encore samplers and were frozen upon receipt to -14°C.

HOLDING TIMES: *Holding times were met with one exception noted under Additional Case Narrative Details section. The hold time of Encore samplers frozen to -14°C is 7 days.*

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria with the exceptions noted under Additional Case Narrative Details.

OBSERVATIONS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Additional Case Narrative Details:

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

EPA 8260B results for sample IKF0095-06 (MW-3-B-05) were not reported per client request due to missed hold time. Frozen Encore samplers have a 7 day hold time which had been exceeded by two days due to analyst oversight. The sample had been loaded onto the purge and trap autosampler within hold time, but the purge vessel clogged and sample was not analyzed. The sample was not marked for re-analysis due to analyst oversight which was not discovered until the hold time had passed.

Selected samples for EPA 8015B-Extractable Fuel Hydrocarbons had surrogate recoveries outside acceptance limits due to sample matrix interference. Afftected surrogate recoveries were "ZX" flagged.

EPA 8260B QC batches I1F0823 and I1F1127 did not have MS/MSD results reported due to clogged autosampler ports for the MS/MSD samples. The Method Blank and LCS results were reported for the affected batches.

EPA 8270C QC batch I1F0546 did not have MS/MSD results reported due to required dilution needed for the native sample matrix. The dilution caused the spiked compound concentrations to fall below detectable levels. The Method Blank and LCS results were reported for the affected batch.

Selected samples for EPA 8270C analysis were reported from dilutions due to sample matrix interference. The dilutions caused elevated reporting limits so sample results were "RL-1" flagged.

EPA 8270C surrogate Terphenyl-d14 had recovery above acceptance limits due to sample matrix interference for sample IKF0095-08. Surrogate result was "ZX" flagged.

Antimony and Vanadium MS/MSD recoveries were outside of acceptance limits due to sample matrix interference in QC batch I1F0534. Please see LCS recoveries for the batch.

EPA 6010B Metals results were reported from a dilution due to relatively high concentrations of non-target compounds in sample IKF0095-04. The dilution caused elevated reporting limits so the sample results were "RL-3" flagged.

DEL MAR ANALYTICAL, IRVINE (CA ELAP #1197)

Del Mar Analytical, Irvine
Patty Mata
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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKF0095-01 (MW-2-B-01 - Soil)				**Sampled: 06/02/01**				**QD**
DRO (C8-C28)	EPA 8015B MOD	IF0528	5.0	**8.8**	1	6/5/01	6/6/01	
ORO (C29-C40)	EPA 8015B MOD	IF0528	5.0	**26**	1	6/5/01	6/6/01	
EFH (C8 - C40)	EPA 8015B MOD	IF0528	5.0	**34**	1	6/5/01	6/6/01	
Surrogate: n-Octacosane (45-120%)				*138 %*				*ZX*
Sample ID: IKF0095-02 (MW-2-B-05 - Soil)				**Sampled: 06/02/01**				**QD**
DRO (C8-C28)	EPA 8015B MOD	IF0528	5.0	ND	1	6/5/01	6/5/01	
ORO (C29-C40)	EPA 8015B MOD	IF0528	5.0	ND	1	6/5/01	6/5/01	
EFH (C8 - C40)	EPA 8015B MOD	IF0528	5.0	ND	1	6/5/01	6/5/01	
Surrogate: n-Octacosane (45-120%)				*129 %*				*Z2*
Sample ID: IKF0095-03 (Sids-SS3 - Soil)				**Sampled: 06/03/01**				**QD**
DRO (C8-C28)	EPA 8015B MOD	IF0528	20	**150**	4	6/5/01	6/6/01	
ORO (C29-C40)	EPA 8015B MOD	IF0528	20	**130**	4	6/5/01	6/6/01	
EFH (C8 - C40)	EPA 8015B MOD	IF0528	20	**270**	4	6/5/01	6/6/01	
Surrogate: n-Octacosane (45-120%)				*322 %*				*ZX*
Sample ID: IKF0095-04 (MW-3-B-01 - Soil)				**Sampled: 06/03/01**				**QD**
DRO (C8-C28)	EPA 8015B MOD	IF0528	5.0	ND	1	6/5/01	6/6/01	
ORO (C29-C40)	EPA 8015B MOD	IF0528	5.0	**15**	1	6/5/01	6/6/01	
EFH (C8 - C40)	EPA 8015B MOD	IF0528	5.0	**20**	1	6/5/01	6/6/01	
Surrogate: n-Octacosane (45-120%)				*86.1 %*				

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKF0095-05 (Sids-SS4 - Soil)				**Sampled: 06/03/01**				**QD**
DRO (C8-C28)	EPA 8015B MODI	1F0528	5.0	**21**	1	6/5/01	6/6/01	
ORO (C29-C40)	EPA 8015B MODI	1F0528	5.0	**19**	1	6/5/01	6/6/01	
EFH (C8 - C40)	EPA 8015B MODI	1F0528	5.0	**39**	1	6/5/01	6/6/01	
Surrogate: n-Octacosane (45-120%)				*110 %*				
Sample ID: IKF0095-06 (MW-3-B-05 - Soil)				**Sampled: 06/03/01**				**QD**
DRO (C8-C28)	EPA 8015B MODI	1F0528	5.0	ND	1	6/5/01	6/5/01	
ORO (C29-C40)	EPA 8015B MODI	1F0528	5.0	ND	1	6/5/01	6/5/01	
EFH (C8 - C40)	EPA 8015B MODI	1F0528	5.0	**6.9**	1	6/5/01	6/5/01	
Surrogate: n-Octacosane (45-120%)				*121 %*				*ZX*
Sample ID: IKF0095-07 (Sids-SS11 - Soil)				**Sampled: 06/03/01**				**QD**
DRO (C8-C28)	EPA 8015B MODI	1F0528	20	**190**	4	6/5/01	6/6/01	
ORO (C29-C40)	EPA 8015B MODI	1F0528	20	**120**	4	6/5/01	6/6/01	
EFH (C8 - C40)	EPA 8015B MODI	1F0528	20	**310**	4	6/5/01	6/6/01	
Surrogate: n-Octacosane (45-120%)				*252 %*				*ZX*
Sample ID: IKF0095-08 (Sids-SS5 - Soil)				**Sampled: 06/03/01**				**QD**
DRO (C8-C28)	EPA 8015B MODI	1F0528	5.0	**66**	1	6/5/01	6/6/01	
ORO (C29-C40)	EPA 8015B MODI	1F0528	5.0	**52**	1	6/5/01	6/6/01	
EFH (C8 - C40)	EPA 8015B MODI	1F0528	5.0	**120**	1	6/5/01	6/6/01	
Surrogate: n-Octacosane (45-120%)				*124 %*				*ZX*

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03
Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

VOLATILE FUEL HYDROCARBONS (EPA 5035B/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKF0095-01 (MW-2-B-01 - Soil)				**Sampled: 06/02/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1F0703	0.86	ND	0.8	6/7/01	6/7/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*106 %*				
Sample ID: IKF0095-02 (MW-2-B-05 - Soil)				**Sampled: 06/02/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1F0703	0.87	ND	0.8	6/7/01	6/7/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*91.3 %*				
Sample ID: IKF0095-04 (MW-3-B-01 - Soil)				**Sampled: 06/03/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1F0703	0.86	ND	0.8	6/7/01	6/7/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*104 %*				
Sample ID: IKF0095-05 (Sids-SS4 - Soil)				**Sampled: 06/03/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1F0703	0.89	ND	0.8	6/7/01	6/7/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*96.6 %*				
Sample ID: IKF0095-06 (MW-3-B-05 - Soil)				**Sampled: 06/03/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1F0703	0.90	ND	0.9	6/7/01	6/7/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*97.2 %*				
Sample ID: IKF0095-07 (Sids-SS11 - Soil)				**Sampled: 06/03/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1F0703	1.0	ND	1	6/7/01	6/7/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*94.3 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-01 (MW-2-B-01 - Soil)				Sampled: 06/02/01				
Acetone	EPA 8260B	I1F0823	8.3	14	0.8	6/8/01	6/8/01	
Benzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Bromobenzene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Bromochloromethane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Bromodichloromethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Bromoform	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Bromomethane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
2-Butanone (MEK)	EPA 8260B	I1F0823	8.3	ND	0.8	6/8/01	6/8/01	
n-Butylbenzene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
sec-Butylbenzene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
tert-Butylbenzene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Carbon tetrachloride	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Chlorobenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Chloroethane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Chloroform	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Chloromethane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
2-Chlorotoluene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
4-Chlorotoluene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Dibromochloromethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,2-Dibromoethane (EDB)	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Dibromomethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dichlorobenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,3-Dichlorobenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,4-Dichlorobenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Dichlorodifluoromethane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,1-Dichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1-Dichloroethene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
cis-1,2-Dichloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
trans-1,2-Dichloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dichloropropane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,3-Dichloropropane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
2,2-Dichloropropane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1-Dichloropropene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
cis-1,3-Dichloropropene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
trans-1,3-Dichloropropene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Ethylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Hexachlorobutadiene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
2-Hexanone	EPA 8260B	I1F0823	8.3	ND	0.8	6/8/01	6/8/01	
Isopropylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
p-Isopropyltoluene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	

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Earth Tech - San Diego
9675 Business Park Avenue
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Attention: Greg Delson

Project ID: 41641.03
Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-01 (MW-2-B-01 - Soil)				**Sampled: 06/02/01**				
Methylene chloride	EPA 8260B	I1F0823	17	ND	0.8	6/8/01	6/8/01	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Naphthalene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
n-Propylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Styrene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Tetrachloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Toluene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,1,1-Trichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1,2-Trichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Trichloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Trichlorofluoromethane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,2,3-Trichloropropane	EPA 8260B	I1F0823	8.3	ND	0.8	6/8/01	6/8/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Vinyl chloride	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
o-Xylene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
m,p-Xylenes	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Surrogate: Dibromofluoromethane (85-125%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				

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Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-02 (MW-2-B-05 - Soil)				Sampled: 06/02/01				
Acetone	EPA 8260B	I1F0823	8.7	ND	0.8	6/8/01	6/8/01	
Benzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Bromobenzene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
Bromochloromethane	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
Bromodichloromethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Bromoform	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
Bromomethane	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
2-Butanone (MEK)	EPA 8260B	I1F0823	8.7	ND	0.8	6/8/01	6/8/01	
n-Butylbenzene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
sec-Butylbenzene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
tert-Butylbenzene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
Carbon tetrachloride	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
Chlorobenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Chloroethane	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
Chloroform	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Chloromethane	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
2-Chlorotoluene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
4-Chlorotoluene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
Dibromochloromethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
1,2-Dibromoethane (EDB)	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Dibromomethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dichlorobenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,3-Dichlorobenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,4-Dichlorobenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Dichlorodifluoromethane	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
1,1-Dichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1-Dichloroethene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
cis-1,2-Dichloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
trans-1,2-Dichloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dichloropropane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,3-Dichloropropane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
2,2-Dichloropropane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1-Dichloropropene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
cis-1,3-Dichloropropene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
trans-1,3-Dichloropropene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Ethylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Hexachlorobutadiene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
2-Hexanone	EPA 8260B	I1F0823	8.7	ND	0.8	6/8/01	6/8/01	
Isopropylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
p-Isopropyltoluene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	

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Attention: Greg Delson

Project ID: 41641.03
Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-02 (MW-2-B-05 - Soil)				**Sampled: 06/02/01**				
Methylene chloride	EPA 8260B	I1F0823	17	ND	0.8	6/8/01	6/8/01	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
Naphthalene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
n-Propylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Styrene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Tetrachloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Toluene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
1,1,1-Trichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1,2-Trichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Trichloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Trichlorofluoromethane	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
1,2,3-Trichloropropane	EPA 8260B	I1F0823	8.7	ND	0.8	6/8/01	6/8/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Vinyl chloride	EPA 8260B	I1F0823	4.4	ND	0.8	6/8/01	6/8/01	
o-Xylene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
m,p-Xylenes	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Surrogate: Dibromofluoromethane (85-125%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				

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Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-04 (MW-3-B-01 - Soil)				**Sampled: 06/03/01**				
Acetone	EPA 8260B	IIF0823	8.3	ND	0.8	6/8/01	6/8/01	
Benzene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
Bromobenzene	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
Bromochloromethane	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
Bromodichloromethane	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
Bromoform	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
Bromomethane	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
2-Butanone (MEK)	EPA 8260B	IIF0823	8.3	ND	0.8	6/8/01	6/8/01	
n-Butylbenzene	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
sec-Butylbenzene	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
tert-Butylbenzene	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
Carbon tetrachloride	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
Chlorobenzene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
Chloroethane	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
Chloroform	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
Chloromethane	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
2-Chlorotoluene	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
4-Chlorotoluene	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
Dibromochloromethane	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
Dibromomethane	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dichlorobenzene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
1,3-Dichlorobenzene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
1,4-Dichlorobenzene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
Dichlorodifluoromethane	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
1,1-Dichloroethane	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dichloroethane	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1-Dichloroethene	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
cis-1,2-Dichloroethene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
trans-1,2-Dichloroethene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2-Dichloropropane	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
1,3-Dichloropropane	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
2,2-Dichloropropane	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1-Dichloropropene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
cis-1,3-Dichloropropene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
trans-1,3-Dichloropropene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
Ethylbenzene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
Hexachlorobutadiene	EPA 8260B	IIF0823	4.2	ND	0.8	6/8/01	6/8/01	
2-Hexanone	EPA 8260B	IIF0823	8.3	ND	0.8	6/8/01	6/8/01	
Isopropylbenzene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	
p-Isopropyltoluene	EPA 8260B	IIF0823	1.7	ND	0.8	6/8/01	6/8/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-04 (MW-3-B-01 - Soil)				**Sampled: 06/03/01**				
Methylene chloride	EPA 8260B	I1F0823	17	ND	0.8	6/8/01	6/8/01	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
Naphthalene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
n-Propylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Styrene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Tetrachloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Toluene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,1,1-Trichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,1,2-Trichloroethane	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Trichloroethene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Trichlorofluoromethane	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
1,2,3-Trichloropropane	EPA 8260B	I1F0823	8.3	ND	0.8	6/8/01	6/8/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Vinyl chloride	EPA 8260B	I1F0823	4.2	ND	0.8	6/8/01	6/8/01	
o-Xylene	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
m,p-Xylenes	EPA 8260B	I1F0823	1.7	ND	0.8	6/8/01	6/8/01	
Surrogate: Dibromofluoromethane (85-125%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				

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Patty Mata
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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-01 (MW-2-B-01 - Soil)				**Sampled: 06/02/01**				**RL-1**
Acenaphthene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Acenaphthylene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Aniline	EPA 8270C	I1F0546	630	ND	1.5	6/5/01	6/7/01	
Anthracene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Azobenzene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Benzidine	EPA 8270C	I1F0546	990	ND	1.5	6/5/01	6/7/01	
Benzoic acid	EPA 8270C	I1F0546	1200	ND	1.5	6/5/01	6/7/01	
Benzo(a)anthracene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Benzo(b)fluoranthene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Benzo(k)fluoranthene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Benzo(g,h,i)perylene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Benzo(a)pyrene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Benzyl alcohol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Bis(2-chloroethoxy)methane	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Bis(2-chloroethyl)ether	EPA 8270C	I1F0546	250	ND	1.5	6/5/01	6/7/01	
Bis(2-chloroisopropyl)ether	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Bis(2-ethylhexyl)phthalate	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
4-Bromophenyl phenyl ether	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Butyl benzyl phthalate	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Carbazole	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
4-Chloroaniline	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2-Chloronaphthalene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
4-Chloro-3-methylphenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2-Chlorophenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
4-Chlorophenyl phenyl ether	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Chrysene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Dibenz(a,h)anthracene	EPA 8270C	I1F0546	630	ND	1.5	6/5/01	6/7/01	
Dibenzofuran	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Di-n-butyl phthalate	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
1,3-Dichlorobenzene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
1,4-Dichlorobenzene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
1,2-Dichlorobenzene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
3,3-Dichlorobenzidine	EPA 8270C	I1F0546	1200	ND	1.5	6/5/01	6/7/01	
2,4-Dichlorophenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Diethyl phthalate	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2,4-Dimethylphenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Dimethyl phthalate	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
4,6-Dinitro-2-methylphenol	EPA 8270C	I1F0546	630	ND	1.5	6/5/01	6/7/01	
2,4-Dinitrophenol	EPA 8270C	I1F0546	630	ND	1.5	6/5/01	6/7/01	
2,4-Dinitrotoluene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2,6-Dinitrotoluene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Di-n-octyl phthalate	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	

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Patty Mata
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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-01 (MW-2-B-01 - Soil)				**Sampled: 06/02/01**				**RL-1**
Fluoranthene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Fluorene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Hexachlorobenzene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Hexachlorobutadiene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Hexachlorocyclopentadiene	EPA 8270C	I1F0546	1200	ND	1.5	6/5/01	6/7/01	
Hexachloroethane	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Indeno(1,2,3-cd)pyrene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Isophorone	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2-Methylnaphthalene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2-Methylphenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
4-Methylphenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Naphthalene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2-Nitroaniline	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
3-Nitroaniline	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
4-Nitroaniline	EPA 8270C	I1F0546	1200	ND	1.5	6/5/01	6/7/01	
Nitrobenzene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2-Nitrophenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
4-Nitrophenol	EPA 8270C	I1F0546	1200	ND	1.5	6/5/01	6/7/01	
n-Nitrosodiphenylamine	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
n-Nitroso-di-n-propylamine	EPA 8270C	I1F0546	380	ND	1.5	6/5/01	6/7/01	
Pentachlorophenol	EPA 8270C	I1F0546	1200	ND	1.5	6/5/01	6/7/01	
Phenanthrene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Phenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Pyrene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
1,2,4-Trichlorobenzene	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2,4,5-Trichlorophenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
2,4,6-Trichlorophenol	EPA 8270C	I1F0546	500	ND	1.5	6/5/01	6/7/01	
Surrogate: 2-Fluorophenol (25-110%)				*74.9 %*				
Surrogate: Phenol-d6 (30-110%)				*83.0 %*				
Surrogate: 2,4,6-Tribromophenol (45-130%)				*94.7 %*				
Surrogate: Nitrobenzene-d5 (30-110%)				*83.6 %*				
Surrogate: 2-Fluorobiphenyl (30-110%)				*84.6 %*				
Surrogate: Terphenyl-d14 (45-145%)				*84.8 %*				

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Patty Mata
Project Manager

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-02 (MW-2-B-05 - Soil)				**Sampled: 06/02/01**				
Acenaphthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Acenaphthylene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Aniline	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
Anthracene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Azobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzidine	EPA 8270C	I1F0546	660	ND	1	6/5/01	6/7/01	
Benzoic acid	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
Benzo(a)anthracene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(b)fluoranthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(k)fluoranthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(g,h,i)perylene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(a)pyrene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzyl alcohol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Bis(2-chloroethoxy)methane	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Bis(2-chloroethyl)ether	EPA 8270C	I1F0546	170	ND	1	6/5/01	6/7/01	
Bis(2-chloroisopropyl)ether	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Bis(2-ethylhexyl)phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Bromophenyl phenyl ether	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Butyl benzyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Carbazole	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Chloroaniline	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Chloronaphthalene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Chloro-3-methylphenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Chlorophenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Chlorophenyl phenyl ether	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Chrysene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Dibenz(a,h)anthracene	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
Dibenzofuran	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Di-n-butyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,3-Dichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,4-Dichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,2-Dichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
3,3-Dichlorobenzidine	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
2,4-Dichlorophenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Diethyl phthalate	EPA 8270C	I1F0546	330	**690**	1	6/5/01	6/7/01	
2,4-Dimethylphenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Dimethyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4,6-Dinitro-2-methylphenol	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
2,4-Dinitrophenol	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
2,4-Dinitrotoluene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2,6-Dinitrotoluene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Di-n-octyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	

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Patty Mata
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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-02 (MW-2-B-05 - Soil)				***Sampled: 06/02/01***				
Fluoranthene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Fluorene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Hexachlorobenzene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Hexachlorobutadiene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Hexachlorocyclopentadiene	EPA 8270C	IIF0546	830	ND	1	6/5/01	6/7/01	
Hexachloroethane	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Indeno(1,2,3-cd)pyrene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Isophorone	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
2-Methylnaphthalene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
2-Methylphenol	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
4-Methylphenol	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Naphthalene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
2-Nitroaniline	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
3-Nitroaniline	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
4-Nitroaniline	EPA 8270C	IIF0546	830	ND	1	6/5/01	6/7/01	
Nitrobenzene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
2-Nitrophenol	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
4-Nitrophenol	EPA 8270C	IIF0546	830	ND	1	6/5/01	6/7/01	
n-Nitrosodiphenylamine	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
n-Nitroso-di-n-propylamine	EPA 8270C	IIF0546	250	ND	1	6/5/01	6/7/01	
Pentachlorophenol	EPA 8270C	IIF0546	830	ND	1	6/5/01	6/7/01	
Phenanthrene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Phenol	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Pyrene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
1,2,4-Trichlorobenzene	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
2,4,5-Trichlorophenol	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
2,4,6-Trichlorophenol	EPA 8270C	IIF0546	330	ND	1	6/5/01	6/7/01	
Surrogate: 2-Fluorophenol (25-110%)				*70.8 %*				
Surrogate: Phenol-d6 (30-110%)				*78.0 %*				
Surrogate: 2,4,6-Tribromophenol (45-130%)				*92.5 %*				
Surrogate: Nitrobenzene-d5 (30-110%)				*80.2 %*				
Surrogate: 2-Fluorobiphenyl (30-110%)				*77.8 %*				
Surrogate: Terphenyl-d14 (45-145%)				*85.9 %*				

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Patty Mata
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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-04 (MW-3-B-01 - Soil)				**Sampled: 06/03/01**				
Acenaphthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Acenaphthylene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Aniline	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
Anthracene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Azobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzidine	EPA 8270C	I1F0546	660	ND	1	6/5/01	6/7/01	
Benzoic acid	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
Benzo(a)anthracene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(b)fluoranthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(k)fluoranthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(g,h,i)perylene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(a)pyrene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzyl alcohol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Bis(2-chloroethoxy)methane	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Bis(2-chloroethyl)ether	EPA 8270C	I1F0546	170	ND	1	6/5/01	6/7/01	
Bis(2-chloroisopropyl)ether	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Bis(2-ethylhexyl)phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Bromophenyl phenyl ether	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Butyl benzyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Carbazole	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Chloroaniline	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Chloronaphthalene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Chloro-3-methylphenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Chlorophenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Chlorophenyl phenyl ether	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Chrysene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Dibenz(a,h)anthracene	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
Dibenzofuran	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Di-n-butyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,3-Dichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,4-Dichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,2-Dichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
3,3-Dichlorobenzidine	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
2,4-Dichlorophenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Diethyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2,4-Dimethylphenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Dimethyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4,6-Dinitro-2-methylphenol	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
2,4-Dinitrophenol	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
2,4-Dinitrotoluene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2,6-Dinitrotoluene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Di-n-octyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	

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Patty Mata
Project Manager

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor		Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg					
Sample ID: IKF0095-04 (MW-3-B-01 - Soil)				**Sampled: 06/03/01**					
Fluoranthene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Fluorene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Hexachlorobenzene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Hexachlorobutadiene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Hexachlorocyclopentadiene	EPA 8270C	I1F0546	830	ND	1		6/5/01	6/7/01	
Hexachloroethane	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Indeno(1,2,3-cd)pyrene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Isophorone	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
2-Methylnaphthalene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
2-Methylphenol	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
4-Methylphenol	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Naphthalene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
2-Nitroaniline	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
3-Nitroaniline	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
4-Nitroaniline	EPA 8270C	I1F0546	830	ND	1		6/5/01	6/7/01	
Nitrobenzene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
2-Nitrophenol	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
4-Nitrophenol	EPA 8270C	I1F0546	830	ND	1		6/5/01	6/7/01	
n-Nitrosodiphenylamine	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
n-Nitroso-di-n-propylamine	EPA 8270C	I1F0546	250	ND	1		6/5/01	6/7/01	
Pentachlorophenol	EPA 8270C	I1F0546	830	ND	1		6/5/01	6/7/01	
Phenanthrene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Phenol	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Pyrene	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
1,2,4-Trichlorobenzene	EPA 8270C	I1F0546	330	ND	1	–	6/5/01	6/7/01	
2,4,5-Trichlorophenol	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
2,4,6-Trichlorophenol	EPA 8270C	I1F0546	330	ND	1		6/5/01	6/7/01	
Surrogate: 2-Fluorophenol (25-110%)				*69.9 %*					
Surrogate: Phenol-d6 (30-110%)				*78.6 %*					
Surrogate: 2,4,6-Tribromophenol (45-130%)				*91.6 %*					
Surrogate: Nitrobenzene-d5 (30-110%)				*84.4 %*					
Surrogate: 2-Fluorobiphenyl (30-110%)				*84.7 %*					
Surrogate: Terphenyl-d14 (45-145%)				*94.6 %*					

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Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-06 (MW-3-B-05 - Soil)				**Sampled: 06/03/01**				
Acenaphthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Acenaphthylene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Aniline	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
Anthracene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Azobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzidine	EPA 8270C	I1F0546	660	ND	1	6/5/01	6/7/01	
Benzoic acid	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
Benzo(a)anthracene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(b)fluoranthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(k)fluoranthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(g,h,i)perylene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzo(a)pyrene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Benzyl alcohol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Bis(2-chloroethoxy)methane	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Bis(2-chloroethyl)ether	EPA 8270C	I1F0546	170	ND	1	6/5/01	6/7/01	
Bis(2-chloroisopropyl)ether	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Bis(2-ethylhexyl)phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Bromophenyl phenyl ether	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Butyl benzyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Carbazole	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Chloroaniline	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Chloronaphthalene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Chloro-3-methylphenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Chlorophenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Chlorophenyl phenyl ether	EPA 8270C	I1F0546	330	ND	1 ←	6/5/01	6/7/01	
Chrysene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Dibenz(a,h)anthracene	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
Dibenzofuran	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Di-n-butyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,3-Dichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,4-Dichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,2-Dichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
3,3-Dichlorobenzidine	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
2,4-Dichlorophenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Diethyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2,4-Dimethylphenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Dimethyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4,6-Dinitro-2-methylphenol	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
2,4-Dinitrophenol	EPA 8270C	I1F0546	420	ND	1	6/5/01	6/7/01	
2,4-Dinitrotoluene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2,6-Dinitrotoluene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Di-n-octyl phthalate	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3545/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/kg	ug/kg				
Sample ID: IKF0095-06 (MW-3-B-05 - Soil)				**Sampled: 06/03/01**				
Fluoranthene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Fluorene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Hexachlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Hexachlorobutadiene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Hexachlorocyclopentadiene	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
Hexachloroethane	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Indeno(1,2,3-cd)pyrene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Isophorone	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Methylnaphthalene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Methylphenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Methylphenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Naphthalene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Nitroaniline	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
3-Nitroaniline	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Nitroaniline	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
Nitrobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2-Nitrophenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
4-Nitrophenol	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
n-Nitrosodiphenylamine	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
n-Nitroso-di-n-propylamine	EPA 8270C	I1F0546	250	ND	1	6/5/01	6/7/01	
Pentachlorophenol	EPA 8270C	I1F0546	830	ND	1	6/5/01	6/7/01	
Phenanthrene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Phenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Pyrene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
1,2,4-Trichlorobenzene	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2,4,5-Trichlorophenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
2,4,6-Trichlorophenol	EPA 8270C	I1F0546	330	ND	1	6/5/01	6/7/01	
Surrogate: 2-Fluorophenol (25-110%)				*57.7 %*				
Surrogate: Phenol-d6 (30-110%)				*62.4 %*				
Surrogate: 2,4,6-Tribromophenol (45-130%)				*84.0 %*				
Surrogate: Nitrobenzene-d5 (30-110%)				*68.5 %*				
Surrogate: 2-Fluorobiphenyl (30-110%)				*69.7 %*				
Surrogate: Terphenyl-d14 (45-145%)				*97.3 %*				

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKF0095-01 (MW-2-B-01 - Soil)				**Sampled: 06/02/01**				
Antimony	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Arsenic	EPA 6010B	I1F0534	2.0	**20**	1	6/5/01	6/6/01	
Barium	EPA 6010B	I1F0534	1.0	**160**	1	6/5/01	6/6/01	
Beryllium	EPA 6010B	I1F0534	0.50	ND	1	6/5/01	6/6/01	
Cadmium	EPA 6010B	I1F0534	0.50	**0.91**	1	6/5/01	6/6/01	
Chromium	EPA 6010B	I1F0534	1.0	**6.2**	1	6/5/01	6/6/01	
Cobalt	EPA 6010B	I1F0534	1.0	**3.4**	1	6/5/01	6/6/01	
Copper	EPA 6010B	I1F0534	1.0	**61**	1	6/5/01	6/6/01	
Lead	EPA 6010B	I1F0534	2.0	**10**	1	6/5/01	6/6/01	
Mercury	EPA 7471A	I1F0532	0.020	ND	1	6/5/01	6/5/01	
Molybdenum	EPA 6010B	I1F0534	2.0	ND	1	6/5/01	6/6/01	
Nickel	EPA 6010B	I1F0534	1.0	**4.3**	1	6/5/01	6/6/01	
Selenium	*EPA 6010B*	*I1F0534*	*2.0*	*ND*	*1*	*6/5/01*	*6/6/01*	
Silver	EPA 6010B	I1F0534	1.0	ND	1	6/5/01	6/6/01	
Thallium	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Vanadium	EPA 6010B	I1F0534	1.0	**50**	1	6/5/01	6/6/01	
Zinc	EPA 6010B	I1F0534	5.0	**120**	1	6/5/01	6/6/01	
Sample ID: IKF0095-02 (MW-2-B-05 - Soil)				**Sampled: 06/02/01**				
Antimony	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Arsenic	EPA 6010B	I1F0534	2.0	**12**	1	6/5/01	6/6/01	
Barium	EPA 6010B	I1F0534	1.0	**120**	1	6/5/01	6/6/01	
Beryllium	EPA 6010B	I1F0534	0.50	ND	1	6/5/01	6/6/01	
Cadmium	EPA 6010B	I1F0534	0.50	ND	1	6/5/01	6/6/01	
Chromium	EPA 6010B	I1F0534	1.0	**6.0**	1	6/5/01	6/6/01	
Cobalt	EPA 6010B	I1F0534	1.0	**4.0**	1	6/5/01	6/6/01	
Copper	EPA 6010B	I1F0534	1.0	**20**	1	6/5/01	6/6/01	
Lead	EPA 6010B	I1F0534	2.0	**7.6**	1	6/5/01	6/6/01	
Mercury	EPA 7471A	I1F0532	0.020	ND	1	6/5/01	6/5/01	
Molybdenum	EPA 6010B	I1F0534	2.0	ND	1	6/5/01	6/6/01	
Nickel	EPA 6010B	I1F0534	1.0	**4.0**	1	6/5/01	6/6/01	
Selenium	EPA 6010B	I1F0534	2.0	ND	1	6/5/01	6/6/01	
Silver	EPA 6010B	I1F0534	1.0	ND	1	6/5/01	6/6/01	
Thallium	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Vanadium	EPA 6010B	I1F0534	1.0	**52**	1	6/5/01	6/6/01	
Zinc	EPA 6010B	I1F0534	5.0	**47**	1	6/5/01	6/6/01	

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Earth Tech - San Diego
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San Diego, CA 92131
Attention: Greg Delson

Project ID: 41641.03
Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKF0095-04 (MW-3-B-01 - Soil)				**Sampled: 06/03/01**				
Antimony	EPA 6010B	I1F0534	30	ND	3	6/5/01	6/6/01	RL-3
Arsenic	EPA 6010B	I1F0534	6.0	ND	3	6/5/01	6/6/01	RL-3
Barium	EPA 6010B	I1F0534	3.0	**180**	3	6/5/01	6/6/01	RL-3
Beryllium	EPA 6010B	I1F0534	1.5	ND	3	6/5/01	6/6/01	RL-3
Cadmium	EPA 6010B	I1F0534	1.5	ND	3	6/5/01	6/6/01	RL-3
Chromium	EPA 6010B	I1F0534	3.0	**20**	3	6/5/01	6/6/01	RL-3
Cobalt	EPA 6010B	I1F0534	3.0	**11**	3	6/5/01	6/6/01	RL-3
Copper	EPA 6010B	I1F0534	3.0	**21**	3	6/5/01	6/6/01	RL-3
Lead	EPA 6010B	I1F0534	6.0	ND	3	6/5/01	6/6/01	RL-3
Mercury	EPA 7471A	I1F0532	0.020	ND	1	6/5/01	6/5/01	
Molybdenum	EPA 6010B	I1F0534	6.0	ND	3	6/5/01	6/6/01	RL-3
Nickel	EPA 6010B	I1F0534	3.0	**9.6**	3	6/5/01	6/6/01	RL-3
Selenium	EPA 6010B	I1F0534	6.0	ND	3	6/5/01	6/6/01	RL-3
Silver	EPA 6010B	I1F0534	3.0	ND	3	6/5/01	6/6/01	RL-3
Thallium	EPA 6010B	I1F0534	30	ND	3	6/5/01	6/6/01	RL-3
Vanadium	EPA 6010B	I1F0534	3.0	**82**	3	6/5/01	6/6/01	RL-3
Zinc	EPA 6010B	I1F0534	15	**44**	3	6/5/01	6/6/01	RL-3
Sample ID: IKF0095-05 (Sids-SS4 - Soil)				**Sampled: 06/03/01**				
Antimony	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Arsenic	EPA 6010B	I1F0534	2.0	**21**	1	6/5/01	6/6/01	
Barium	EPA 6010B	I1F0534	1.0	**170**	1	6/5/01	6/6/01	
Beryllium	EPA 6010B	I1F0534	0.50	**0.81**	1	6/5/01	6/6/01	
Cadmium	EPA 6010B	I1F0534	0.50	**2.4**	1	6/5/01	6/6/01	
Chromium	EPA 6010B	I1F0534	1.0	**17**	1	6/5/01	6/6/01	
Cobalt	EPA 6010B	I1F0534	1.0	**7.0**	1	6/5/01	6/6/01	
Copper	EPA 6010B	I1F0534	1.0	**19**	1	6/5/01	6/6/01	
Lead	EPA 6010B	I1F0534	2.0	**190**	1	6/5/01	6/6/01	
Mercury	EPA 7471A	I1F0532	0.020	**0.029**	1	6/5/01	6/5/01	
Molybdenum	EPA 6010B	I1F0534	2.0	ND	1	6/5/01	6/6/01	
Nickel	EPA 6010B	I1F0534	1.0	**5.4**	1	6/5/01	6/6/01	
Selenium	EPA 6010B	I1F0534	2.0	ND	1	6/5/01	6/6/01	
Silver	EPA 6010B	I1F0534	1.0	ND	1	6/5/01	6/6/01	
Thallium	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Vanadium	EPA 6010B	I1F0534	1.0	**67**	1	6/5/01	6/6/01	
Zinc	EPA 6010B	I1F0534	5.0	**210**	1	6/5/01	6/6/01	

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Attention: Greg Delson

Project ID: 41641.03

Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/kg	mg/kg				
Sample ID: IKF0095-06 (MW-3-B-05 - Soil)				**Sampled: 06/03/01**				
Antimony	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Arsenic	EPA 6010B	I1F0534	2.0	**8.7**	1	6/5/01	6/6/01	
Barium	EPA 6010B	I1F0534	1.0	**110**	1	6/5/01	6/6/01	
Beryllium	EPA 6010B	I1F0534	0.50	ND	1	6/5/01	6/6/01	
Cadmium	EPA 6010B	I1F0534	0.50	ND	1	6/5/01	6/6/01	
Chromium	EPA 6010B	I1F0534	1.0	**4.2**	1	6/5/01	6/6/01	
Cobalt	EPA 6010B	I1F0534	1.0	**2.8**	1	6/5/01	6/6/01	
Copper	EPA 6010B	I1F0534	1.0	**12**	1	6/5/01	6/6/01	
Lead	EPA 6010B	I1F0534	2.0	**8.0**	1	6/5/01	6/6/01	
Mercury	EPA 7471A	I1F0532	0.020	ND	1	6/5/01	6/5/01	
Molybdenum	EPA 6010B	I1F0534	2.0	ND	1	6/5/01	6/6/01	
Nickel	EPA 6010B	I1F0534	1.0	**2.8**	1	6/5/01	6/6/01	
Selenium	EPA 6010B	I1F0534	2.0	ND	1	6/5/01	6/6/01	
Silver	EPA 6010B	I1F0534	1.0	ND	1	6/5/01	6/6/01	
Thallium	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Vanadium	EPA 6010B	I1F0534	1.0	**34**	1	6/5/01	6/6/01	
Zinc	EPA 6010B	I1F0534	5.0	**27**	1	6/5/01	6/6/01	
Sample ID: IKF0095-07 (Sids-SS11 - Soil)				**Sampled: 06/03/01**				
Antimony	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Arsenic	EPA 6010B	I1F0534	2.0	**17**	1	6/5/01	6/6/01	
Barium	EPA 6010B	I1F0534	1.0	**310**	1	6/5/01	6/6/01	
Beryllium	EPA 6010B	I1F0534	0.50	**0.75**	1	6/5/01	6/6/01	
Cadmium	EPA 6010B	I1F0534	0.50	**4.1**	1	6/5/01	6/6/01	
Chromium	EPA 6010B	I1F0534	1.0	**30**	1	6/5/01	6/6/01	
Cobalt	EPA 6010B	I1F0534	1.0	**8.1**	1 ←	6/5/01	6/6/01	
Copper	EPA 6010B	I1F0534	1.0	**68**	1	6/5/01	6/6/01	
Lead	EPA 6010B	I1F0534	2.0	**400**	1	6/5/01	6/6/01	
Mercury	EPA 7471A	I1F0532	0.020	**0.14**	1	6/5/01	6/5/01	
Molybdenum	EPA 6010B	I1F0534	2.0	**13**	1	6/5/01	6/6/01	
Nickel	EPA 6010B	I1F0534	1.0	**20**	1	6/5/01	6/6/01	
Selenium	EPA 6010B	I1F0534	2.0	ND	1	6/5/01	6/6/01	
Silver	EPA 6010B	I1F0534	1.0	ND	1	6/5/01	6/6/01	
Thallium	EPA 6010B	I1F0534	10	ND	1	6/5/01	6/6/01	
Vanadium	EPA 6010B	I1F0534	1.0	**58**	1	6/5/01	6/6/01	
Zinc	EPA 6010B	I1F0534	5.0	**550**	1	6/5/01	6/6/01	

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Attention: Greg Delson

Project ID: 41641.03
Report Number: IKF0095

Sampled: 06/02/01-06/03/01
Received: 06/04/01

METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0528 Extracted: 06/05/01										
Blank Analyzed: 06/05/01 (I1F0528-BLK1)										**QD**
DRO (C8-C28)	ND	5.0	mg/kg							
ORO (C29-C40)	ND	5.0	mg/kg							
EFH (C8 - C40)	ND	5.0	mg/kg							
Surrogate: n-Octacosane	*6.53*		*mg/kg*	*6.67*		*97.9*	*45-120*			
LCS Analyzed: 06/05/01 (I1F0528-BS1)										**QD**
EFH (C8 - C40)	35.5	5.0	mg/kg	33.3		107	50-115			
Surrogate: n-Octacosane	*7.45*		*mg/kg*	*6.67*		*112*	*45-120*			
Matrix Spike Analyzed: 06/06/01 (I1F0528-MS1)					**Source: IKF0095-14**					**QD**
EFH (C8 - C40)	143	20	mg/kg	33.3	100	129	35-130			
Surrogate: n-Octacosane	*9.05*		*mg/kg*	*6.67*		*136*	*45-120*			*ZX*
Matrix Spike Dup Analyzed: 06/06/01 (I1F0528-MSD1)					**Source: IKF0095-14**					**QD**
EFH (C8 - C40)	139	20	mg/kg	33.3	100	117	35-130	2.84	30	
Surrogate: n-Octacosane	*7.62*		*mg/kg*	*6.67*		*114*	*45-120*			

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5035B/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0703 Extracted: 06/07/01										
Blank Analyzed: 06/07/01 (I1F0703-BLK1)										
Volatile Fuel Hydrocarbons	ND	1.0	mg/kg							QG
Surrogate: aaa-TFT (FID)	*0.0198*		*mg/kg*	*0.0200*		*99.0*	*60-135*			
LCS Analyzed: 06/07/01 (I1F0703-BS1)										
Volatile Fuel Hydrocarbons	ND	1.0	mg/kg	0.440		102	70-125			QG
Surrogate: aaa-TFT (FID)	*0.0184*		*mg/kg*	*0.0200*		*92.0*	*60-135*			
Matrix Spike Analyzed: 06/07/01 (I1F0703-MS1)					**Source: IKF0095-01**					
Volatile Fuel Hydrocarbons	ND	0.86	mg/kg	0.378	ND	107	65-130			QG
Surrogate: aaa-TFT (FID)	*0.0166*		*mg/kg*	*0.0172*		*96.5*	*60-135*			
Matrix Spike Dup Analyzed: 06/07/01 (I1F0703-MSD1)					**Source: IKF0095-01**					
Volatile Fuel Hydrocarbons	ND	0.85	mg/kg	0.374	ND	105	65-130	3.00	20	QG
Surrogate: aaa-TFT (FID)	*0.0161*		*mg/kg*	*0.0170*		*94.7*	*60-135*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0823 Extracted: 06/08/01										
Blank Analyzed: 06/08/01 (I1F0823-BLK1)										
Acetone	ND	10	ug/kg							
Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
2-Butanone (MEK)	ND	10	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
4-Chlorotoluene	ND	5.0	ug/kg							
Dibromochloromethane	ND	2.0	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg							
Dibromomethane	ND	2.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	ug/kg							
1,3-Dichlorobenzene	ND	2.0	ug/kg							
1,4-Dichlorobenzene	ND	2.0	ug/kg							
Dichlorodifluoromethane	ND	5.0	ug/kg							
1,1-Dichloroethane	ND	2.0	ug/kg							
1,2-Dichloroethane	ND	2.0	ug/kg							
1,1-Dichloroethene	ND	5.0	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	ug/kg							
1,2-Dichloropropane	ND	2.0	ug/kg							
1,3-Dichloropropane	ND	2.0	ug/kg							
2,2-Dichloropropane	ND	2.0	ug/kg							
1,1-Dichloropropene	ND	2.0	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	ug/kg							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0823 Extracted: 06/08/01										
Blank Analyzed: 06/08/01 (I1F0823-BLK1)										
trans-1,3-Dichloropropene	ND	2.0	ug/kg							
Ethylbenzene	ND	2.0	ug/kg							
Hexachlorobutadiene	ND	5.0	ug/kg							
2-Hexanone	ND	10	ug/kg							
Isopropylbenzene	ND	2.0	ug/kg							
p-Isopropyltoluene	ND	2.0	ug/kg							
Methylene chloride	ND	20	ug/kg							
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/kg							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/kg							
Naphthalene	ND	5.0	ug/kg							
n-Propylbenzene	ND	2.0	ug/kg							
Styrene	ND	2.0	ug/kg							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/kg							
Tetrachloroethene	ND	2.0	ug/kg							
Toluene	ND	2.0	ug/kg							
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
1,2,4-Trichlorobenzene	ND	5.0	ug/kg							
1,1,1-Trichloroethane	ND	2.0	ug/kg							
1,1,2-Trichloroethane	ND	2.0	ug/kg							
Trichloroethene	ND	2.0	ug/kg							
Trichlorofluoromethane	ND	5.0	ug/kg							
1,2,3-Trichloropropane	ND	10	ug/kg							
1,2,4-Trimethylbenzene	ND	2.0	ug/kg							
1,3,5-Trimethylbenzene	ND	2.0	ug/kg							
Vinyl chloride	ND	5.0	ug/kg							
o-Xylene	ND	2.0	ug/kg							
m,p-Xylenes	ND	2.0	ug/kg							
Surrogate: Dibromofluoromethane	*47.8*		*ug/kg*	*50.0*		*95.6*	*85-125*			
Surrogate: Toluene-d8	*51.7*		*ug/kg*	*50.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*50.6*		*ug/kg*	*50.0*		*101*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0823 Extracted: 06/08/01										
LCS Analyzed: 06/08/01 (I1F0823-BS1)										M-CP
Acetone	33.3	10	ug/kg	50.0		66.6	35-165			
Benzene	49.9	2.0	ug/kg	50.0		99.8	75-130			
Bromobenzene	52.4	5.0	ug/kg	50.0		105	75-130			
Bromochloromethane	53.4	5.0	ug/kg	50.0		107	70-140			
Bromodichloromethane	52.3	2.0	ug/kg	50.0		105	75-135			
Bromoform	53.1	5.0	ug/kg	50.0		106	55-130			
Bromomethane	44.8	5.0	ug/kg	50.0		89.6	65-140			
n-Butylbenzene	50.2	5.0	ug/kg	50.0		100	75-130			
sec-Butylbenzene	50.6	5.0	ug/kg	50.0		101	80-135			
tert-Butylbenzene	50.3	5.0	ug/kg	50.0		101	75-130			
Carbon tetrachloride	51.8	5.0	ug/kg	50.0		104	70-160			
Chlorobenzene	49.2	2.0	ug/kg	50.0		98.4	75-130			
Chloroethane	49.7	5.0	ug/kg	50.0		99.4	65-135			
Chloroform	49.4	2.0	ug/kg	50.0		98.8	75-130			
Chloromethane	41.6	5.0	ug/kg	50.0		83.2	45-130			
2-Chlorotoluene	49.0	5.0	ug/kg	50.0		98.0	75-130			
4-Chlorotoluene	49.8	5.0	ug/kg	50.0		99.6	80-130			
Dibromochloromethane	53.6	2.0	ug/kg	50.0		107	70-140			
1,2-Dibromo-3-chloropropane	47.9	5.0	ug/kg	50.0		95.8	50-145			
1,2-Dibromoethane (EDB)	53.7	2.0	ug/kg	50.0		107	60-145			
Dibromomethane	53.0	2.0	ug/kg	50.0		106	65-135			
1,2-Dichlorobenzene	51.8	2.0	ug/kg	50.0		104	75-130			
1,3-Dichlorobenzene	51.1	2.0	ug/kg	50.0		102	75-130			
1,4-Dichlorobenzene	49.0	2.0	ug/kg	50.0		98.0	80-125			
Dichlorodifluoromethane	37.2	5.0	ug/kg	50.0		74.4	10-140			
1,1-Dichloroethane	49.4	2.0	ug/kg	50.0		98.8	75-135			
1,2-Dichloroethane	50.7	2.0	ug/kg	50.0		101	65-140			
1,1-Dichloroethene	48.3	5.0	ug/kg	50.0		96.6	70-145			
cis-1,2-Dichloroethene	47.9	2.0	ug/kg	50.0		95.8	70-130			
trans-1,2-Dichloroethene	50.9	2.0	ug/kg	50.0		102	75-140			
1,2-Dichloropropane	50.5	2.0	ug/kg	50.0		101	75-130			
1,3-Dichloropropane	51.7	2.0	ug/kg	50.0		103	65-140			
2,2-Dichloropropane	66.5	2.0	ug/kg	50.0		133	75-150			
1,1-Dichloropropene	48.1	2.0	ug/kg	50.0		96.2	75-140			
cis-1,3-Dichloropropene	53.5	2.0	ug/kg	50.0		107	65-135			
trans-1,3-Dichloropropene	55.0	2.0	ug/kg	50.0		110	65-140			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0823 Extracted: 06/08/01										
LCS Analyzed: 06/08/01 (I1F0823-BS1)										M-CP
Ethylbenzene	50.1	2.0	ug/kg	50.0		100	75-135			
Hexachlorobutadiene	50.1	5.0	ug/kg	50.0		100	75-150			
2-Hexanone	47.5	10	ug/kg	50.0		95.0	50-125			
Isopropylbenzene	47.4	2.0	ug/kg	50.0		94.8	80-135			
p-Isopropyltoluene	49.2	2.0	ug/kg	50.0		98.4	75-130			
Methylene chloride	50.3	20	ug/kg	50.0		101	70-125			
4-Methyl-2-pentanone (MIBK)	53.6	5.0	ug/kg	50.0		107	50-135			
Methyl-tert-butyl Ether (MTBE)	53.4	5.0	ug/kg	50.0		107	65-135			
Naphthalene	53.2	5.0	ug/kg	50.0		106	50-145			
n-Propylbenzene	50.5	2.0	ug/kg	50.0		101	80-135			
Styrene	54.4	2.0	ug/kg	50.0		109	75-140			
1,1,1,2-Tetrachloroethane	53.1	5.0	ug/kg	50.0		106	75-135			
1,1,2,2-Tetrachloroethane	52.6	2.0	ug/kg	50.0		105	70-135			
Tetrachloroethene	50.5	2.0	ug/kg	50.0		101	75-130			
Toluene	49.3	2.0	ug/kg	50.0		98.6	75-130			
1,2,3-Trichlorobenzene	55.8	5.0	ug/kg	50.0		112	50-140			
1,2,4-Trichlorobenzene	54.5	5.0	ug/kg	50.0		109	70-130			
1,1,1-Trichloroethane	51.0	2.0	ug/kg	50.0		102	75-140			
1,1,2-Trichloroethane	54.1	2.0	ug/kg	50.0		108	65-130			
Trichloroethene	51.5	2.0	ug/kg	50.0		103	75-130			
Trichlorofluoromethane	45.0	5.0	ug/kg	50.0		90.0	55-145			
1,2,3-Trichloropropane	54.9	10	ug/kg	50.0		110	60-140			
1,2,4-Trimethylbenzene	51.2	2.0	ug/kg	50.0		102	80-130			
1,3,5-Trimethylbenzene	50.8	2.0	ug/kg	50.0		102	80-135			
Vinyl chloride	37.7	5.0	ug/kg	50.0		75.4	45-140			
o-Xylene	49.4	2.0	ug/kg	50.0		98.8	75-130			
m,p-Xylenes	97.8	2.0	ug/kg	100		97.8	75-135			
Surrogate: Dibromofluoromethane	*48.8*		*ug/kg*	*50.0*		*97.6*	*85-125*			
Surrogate: Toluene-d8	*51.4*		*ug/kg*	*50.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*52.7*		*ug/kg*	*50.0*		*105*	*80-120*			

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VOLATILE ORGANICS by GC/MS (EPA 5035/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1F0919 Extracted: 06/09/01										
Blank Analyzed: 06/09/01 (I1F0919-BLK1)										
Acetone	ND	10	ug/kg							
Benzene	ND	2.0	ug/kg							
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	ug/kg							
Bromodichloromethane	ND	2.0	ug/kg							
Bromoform	ND	5.0	ug/kg							
Bromomethane	ND	5.0	ug/kg							
2-Butanone (MEK)	ND	10	ug/kg							
n-Butylbenzene	ND	5.0	ug/kg							
sec-Butylbenzene	ND	5.0	ug/kg							
tert-Butylbenzene	ND	5.0	ug/kg							
Carbon tetrachloride	ND	5.0	ug/kg							
Chlorobenzene	ND	2.0	ug/kg							
Chloroethane	ND	5.0	ug/kg							
Chloroform	ND	2.0	ug/kg							
Chloromethane	ND	5.0	ug/kg							
2-Chlorotoluene	ND	5.0	ug/kg							
4-Chlorotoluene	ND	5.0	ug/kg							
Dibromochloromethane	ND	2.0	ug/kg							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/kg							
1,2-Dibromoethane (EDB)	ND	2.0	ug/kg							
Dibromomethane	ND	2.0	ug/kg							
1,2-Dichlorobenzene	ND	2.0	ug/kg							
1,3-Dichlorobenzene	ND	2.0	ug/kg							
1,4-Dichlorobenzene	ND	2.0	ug/kg							
Dichlorodifluoromethane	ND	5.0	ug/kg							
1,1-Dichloroethane	ND	2.0	ug/kg							
1,2-Dichloroethane	ND	2.0	ug/kg							
1,1-Dichloroethene	ND	5.0	ug/kg							
cis-1,2-Dichloroethene	ND	2.0	ug/kg							
trans-1,2-Dichloroethene	ND	2.0	ug/kg							
1,2-Dichloropropane	ND	2.0	ug/kg							
1,3-Dichloropropane	ND	2.0	ug/kg							
2,2-Dichloropropane	ND	2.0	ug/kg							
1,1-Dichloropropene	ND	2.0	ug/kg							
cis-1,3-Dichloropropene	ND	2.0	ug/kg							

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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File

From: "Delson, Greg" <GDelson@earthtech.com>
To: "'mcrysteh@co.san-diego.ca.us'" <mcrysteh@co.san-d...
Date: Fri, Mar 22, 2002 5:18 PM
Subject: Well Maintenance for Sid's Auto Body Wells Under Permit W99755

Dear Ms. Crystal,

As requested per your monitoring well inspection report received on March 18, 2002, waters encountered in wells MW-1 and MW-2 at Sid's Auto Body have been completely removed. The caps on both wells were locked indicating that the water was not introduced into the well. Based on visual observation of sediments accumulated in the surface area around MW-2, the liquid encountered in this well was the result of site run-off since the well cover bolts were loose. The well lids and boxes were brushed clean, and the well lids were tightly bolted down to prevent similar problems in the future. I have attached pictures of all three wells to show the condition of the well heads after removing the water. I hope this satisfies your request. If you have any questions feel free to give me a call at (858) 536-5610.

Respectfully,

Gregory W. Delson
Project Manager

<<sids mw1 dry.jpg>> <<sids mw-2 dry.jpg>> <<sids mw-3 dry.jpg>>

CC: "'JHecht@mtdb.sdmts.com'" <JHecht@mtdb.sdmts.com>

W99755 Sid's Auto Body







Del Mar Analytical

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0380

Sampled: 07/10/01-07/11/01
Received: 07/11/01

DATA QUALIFIERS AND DEFINITIONS

M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
QD	Quantitated against a diesel fuel standard.
QG	Carbon range C6-C12 quantitated against a gasoline standard.
R7	LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR	Not reported.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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Patty Mata
Project Manager

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CHAIN OF CUSTODY FORM

Page 1 of 1

Client Name/Address: EARTH TECH, 9675 Business Park Ave, San Diego, CA 92131

Project/PO Number: 44102.02

Project Manager: Geen Delson

Phone Number: (858) 536-5610

Sampler: L. Abe & A. Saboyan

Fax Number: (858) 536-5620

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOCs (EPA 8260B)	SVOCs (EPA 8270C)	TPH gasoline (EPA 8015M)	TPH diesel/oil (EPA 8015M)	RCRA metals (EPA 6010B/7000)					Special Instructions
MVE-1A	AQ	VOA, Plast. & L. amber	8	7/10/01	1130	HCP; HNO3	X	X	X	X	X					
MVE4 (L-127)	AQ		8	7/10/01	1430	HCP; HNO3	X	X	X	X	X					
L-117	AQ		8	7/10/01	1645	HCP; HNO3	X	X	X	X	X					
MVE-3A	AQ		8	7/11/01	1010	HCP; HNO3	X	X	X	X	X					
~~L-135~~	~~AQ~~		~~8~~	~~7/11/01~~		~~HCP; HNO3~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					← AS 7/11/01
~~SID'S MW-1~~	~~AQ~~		~~8~~	~~7/11/01~~		~~HCP; HNO3~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					← AS 7/11/01
SID'S MW-2	AQ		8	7/11/01		HCP; HNO3	X	X	X	X	X					
L-135	AQ		8	7/11/01	1300	HCP; HNO3	X	X	X	X	X					
L-135D	AQ		8	7/11/01	1330	HCP; HNO3	X	X	X	X	X					
Equipment rinsate*	AQ		4	7/11/01	1500	HCP; HNO3	X		X							* As per Greg D[illegible] only run VOCs + TPH
TRIP BLANK			~~2~~ 1	1			X		X							VOC's only

Relinquished By:	Date /Time:	Received by:	Date /Time:
[signature]	7/11/01 1640	[signature]	07.11.01 1640
[signature] TO FRIDGE	07-11-01 1710	[signature]	07 12 01 1200
[signature]	07 12 01 1530	Received in Lab by: Laura Morgan	7/12/01 15:30

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice 4°

Note: By relinquishing samples to Del Mar Analytical, 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 [illegible] Sample(s) will be disposed of after 30 days.

Del Mar Analytical

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

LABORATORY REPORT

Prepared For: Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131

Attention: Greg Delson
Project: 44102.02

Sampled: 07/11/01
Received: 07/13/01
Reported: 07/31/01

This laboratory report is confidential and is intended for the sole use of Del Mar Analytical and its client. This entire report was reviewed and approved for release.

CA ELAP Certificate #1197
AZ DHS License #AZ0428

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

SAMPLE CROSS REFERENCE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	ANALYSES
IKG0390-01	SID'S MW-1	Water	EPA 6010B
			EPA 7470A
			EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0390-02	SID'S MW-3	Water	EPA 6010B
			EPA 7470A
			EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0390-03	B-215	Water	EPA 6010B
			EPA 7470A
			EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0390-04	BV-202	Water	EPA 6010B
			EPA 7470A
			EPA 8015B
			EPA 8015B MOD.
			EPA 8260B
			EPA 8270C
IKG0390-05	TRIP BLANK	Water	EPA 8015B
			EPA 8260B

DEL MAR ANALYTICAL, IRVINE (CA ELAP #1197)

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l				
Sample ID: IKG0390-01 (SID'S MW-1 - Water)				**Sampled: 07/11/01**				**QD**
DRO (C8-C24)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
ORO (C25-C40)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
EFH (C8 - C40)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
Surrogate: n-Octacosane (45-140%)				*104 %*				
Sample ID: IKG0390-02 (SID'S MW-3 - Water)				**Sampled: 07/11/01**				**QD**
DRO (C8-C24)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
ORO (C25-C40)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
EFH (C8 - C40)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
Surrogate: n-Octacosane (45-140%)				*113 %*				
Sample ID: IKG0390-03 (B-215 - Water)				**Sampled: 07/12/01**				**QD**
DRO (C8-C24)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
ORO (C25-C40)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
EFH (C8 - C40)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
Surrogate: n-Octacosane (45-140%)				*108 %*				
Sample ID: IKG0390-04 (BV-202 - Water)				**Sampled: 07/12/01**				**QD**
DRO (C8-C24)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
ORO (C25-C40)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
EFH (C8 - C40)	EPA 8015B MODIIG1622		0.50	ND	0.9	7/16/01	7/18/01	
Surrogate: n-Octacosane (45-140%)				*130 %*				

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Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-01 (SID'S MW-1 - Water)				**Sampled: 07/11/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1G1632	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*85.7 %*				
Sample ID: IKG0390-02 (SID'S MW-3 - Water)				**Sampled: 07/11/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1G1632	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*84.8 %*				
Sample ID: IKG0390-03 (B-215 - Water)				**Sampled: 07/12/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1G1632	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*86.9 %*				
Sample ID: IKG0390-04 (BV-202 - Water)				**Sampled: 07/12/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1G1705	50	ND	1	7/17/01	7/17/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*119 %*				
Sample ID: IKG0390-05 (TRIP BLANK - Water)				**Sampled: 07/13/01**				
Volatile Fuel Hydrocarbons	EPA 8015B	I1G1632	50	ND	1	7/16/01	7/16/01	QG
Surrogate: aaa-TFT (FID) (60-135%)				*94.2 %*				

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Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-01 (SID'S MW-1 - Water)				**Sampled: 07/11/01**				
Benzene	EPA 8260B	IIG1619	0.50	ND	1	7/16/01	7/16/01	
Bromobenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Bromochloromethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Bromodichloromethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Bromoform	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Bromomethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
n-Butylbenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
sec-Butylbenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
tert-Butylbenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Carbon tetrachloride	EPA 8260B	IIG1619	0.50	ND	1	7/16/01	7/16/01	
Chlorobenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Chloroethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Chloroform	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Chloromethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
2-Chlorotoluene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
4-Chlorotoluene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Dibromochloromethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIG1619	5.0	ND	1	7/16/01	7/16/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Dibromomethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,2-Dichlorobenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,3-Dichlorobenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,4-Dichlorobenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Dichlorodifluoromethane	EPA 8260B	IIG1619	2.0	ND	1	7/16/01	7/16/01	
1,1-Dichloroethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,2-Dichloroethane	EPA 8260B	IIG1619	0.50	ND	1	7/16/01	7/16/01	
1,1-Dichloroethene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
cis-1,2-Dichloroethene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
trans-1,2-Dichloroethene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,2-Dichloropropane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,3-Dichloropropane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
2,2-Dichloropropane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,1-Dichloropropene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
cis-1,3-Dichloropropene	EPA 8260B	IIG1619	0.50	ND	1	7/16/01	7/16/01	
trans-1,3-Dichloropropene	EPA 8260B	IIG1619	0.50	ND	1	7/16/01	7/16/01	
Ethylbenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Hexachlorobutadiene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Isopropylbenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
p-Isopropyltoluene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Methylene chloride	EPA 8260B	IIG1619	5.0	ND	1	7/16/01	7/16/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Naphthalene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-01 (SID'S MW-1 - Water)				**Sampled: 07/11/01**				
n-Propylbenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Styrene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Tetrachloroethene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Toluene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,2,3-Trichlorobenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,2,4-Trichlorobenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,1,1-Trichloroethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,1,2-Trichloroethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Trichloroethene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Trichlorofluoromethane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,2,3-Trichloropropane	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,2,4-Trimethylbenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
1,3,5-Trimethylbenzene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Vinyl chloride	EPA 8260B	IIG1619	0.50	ND	1	7/16/01	7/16/01	
o-Xylene	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
m,p-Xylenes	EPA 8260B	IIG1619	1.0	ND	1	7/16/01	7/16/01	
Di-isopropyl Ether (DIPE)	EPA 8260B	IIG1619	5.0	ND	1	7/16/01	7/16/01	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	IIG1619	5.0	ND	1	7/16/01	7/16/01	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	IIG1619	5.0	ND	1	7/16/01	7/16/01	
tert-Butanol (TBA)	EPA 8260B	IIG1619	50	ND	1	7/16/01	7/16/01	
Surrogate: Dibromofluoromethane (80-120%)				*99.2 %*				
Surrogate: Toluene-d8 (80-120%)				*91.6 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-02 (SID'S MW-3 - Water)				**Sampled: 07/11/01**				
Benzene	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
Bromobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Bromochloromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Bromodichloromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Bromoform	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Bromomethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
n-Butylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
sec-Butylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
tert-Butylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Carbon tetrachloride	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
Chlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Chloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Chloroform	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Chloromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
2-Chlorotoluene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
4-Chlorotoluene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Dibromochloromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Dibromomethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2-Dichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,3-Dichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,4-Dichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Dichlorodifluoromethane	EPA 8260B	IIG1717	2.0	ND	1	7/17/01	7/17/01	
1,1-Dichloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2-Dichloroethane	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
1,1-Dichloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
cis-1,2-Dichloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
trans-1,2-Dichloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2-Dichloropropane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,3-Dichloropropane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
2,2-Dichloropropane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1-Dichloropropene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
cis-1,3-Dichloropropene	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
trans-1,3-Dichloropropene	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
Ethylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Hexachlorobutadiene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Isopropylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
p-Isopropyltoluene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Methylene chloride	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Naphthalene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-02 (SID'S MW-3 - Water)				**Sampled: 07/11/01**				
n-Propylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Styrene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Tetrachloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Toluene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2,3-Trichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2,4-Trichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1,1-Trichloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1,2-Trichloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Trichloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Trichlorofluoromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2,3-Trichloropropane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2,4-Trimethylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,3,5-Trimethylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Vinyl chloride	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
o-Xylene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
m,p-Xylenes	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Di-isopropyl Ether (DIPE)	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
tert-Butanol (TBA)	EPA 8260B	IIG1717	50	ND	1	7/17/01	7/17/01	
Surrogate: Dibromofluoromethane (80-120%)				*90.4 %*				
Surrogate: Toluene-d8 (80-120%)				*98.8 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-05 (TRIP BLANK - Water)				**Sampled: 07/13/01**				
Benzene	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
Bromobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Bromochloromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Bromodichloromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Bromoform	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Bromomethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
n-Butylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
sec-Butylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
tert-Butylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Carbon tetrachloride	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
Chlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Chloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Chloroform	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Chloromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
2-Chlorotoluene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
4-Chlorotoluene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Dibromochloromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Dibromomethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2-Dichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,3-Dichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,4-Dichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Dichlorodifluoromethane	EPA 8260B	IIG1717	2.0	ND	1	7/17/01	7/17/01	
1,1-Dichloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2-Dichloroethane	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
1,1-Dichloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
cis-1,2-Dichloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
trans-1,2-Dichloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2-Dichloropropane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,3-Dichloropropane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
2,2-Dichloropropane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1-Dichloropropene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
cis-1,3-Dichloropropene	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
trans-1,3-Dichloropropene	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
Ethylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Hexachlorobutadiene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Isopropylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
p-Isopropyltoluene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Methylene chloride	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Naphthalene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	

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Patty Mata
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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-05 (TRIP BLANK - Water)				**Sampled: 07/13/01**				
n-Propylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Styrene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Tetrachloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Toluene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2,3-Trichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2,4-Trichlorobenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1,1-Trichloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,1,2-Trichloroethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Trichloroethene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Trichlorofluoromethane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2,3-Trichloropropane	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,2,4-Trimethylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
1,3,5-Trimethylbenzene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Vinyl chloride	EPA 8260B	IIG1717	0.50	ND	1	7/17/01	7/17/01	
o-Xylene	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
m,p-Xylenes	EPA 8260B	IIG1717	1.0	ND	1	7/17/01	7/17/01	
Di-isopropyl Ether (DIPE)	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	IIG1717	5.0	ND	1	7/17/01	7/17/01	
tert-Butanol (TBA)	EPA 8260B	IIG1717	50	ND	1	7/17/01	7/17/01	
Surrogate: Dibromofluoromethane (80-120%)				*94.4 %*				
Surrogate: Toluene-d8 (80-120%)				*98.4 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
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San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-01 (SID'S MW-1 - Water)				**Sampled: 07/11/01**				
Acenaphthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Acenaphthylene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Aniline	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Anthracene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Azobenzene	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
Benzidine	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/30/01	
Benzoic acid	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/30/01	
Benzo(a)anthracene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzo(b)fluoranthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzo(k)fluoranthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzo(g,h,i)perylene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzo(a)pyrene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzyl alcohol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
Bis(2-chloroethoxy)methane	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Bis(2-chloroethyl)ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Bis(2-chloroisopropyl)ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Bis(2-ethylhexyl)phthalate	EPA 8270C	IIG1501	50	ND	0.9	7/15/01	7/30/01	
4-Bromophenyl phenyl ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Butyl benzyl phthalate	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
4-Chloroaniline	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
2-Chloronaphthalene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
4-Chloro-3-methylphenol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
2-Chlorophenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
4-Chlorophenyl phenyl ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Chrysene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Dibenz(a,h)anthracene	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
Dibenzofuran	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Di-n-butyl phthalate	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
1,3-Dichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
1,4-Dichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
1,2-Dichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
3,3-Dichlorobenzidine	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/30/01	
2,4-Dichlorophenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Diethyl phthalate	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
2,4-Dimethylphenol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
Dimethyl phthalate	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
4,6-Dinitro-2-methylphenol	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/30/01	
2,4-Dinitrophenol	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/30/01	
2,4-Dinitrotoluene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
2,6-Dinitrotoluene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Di-n-octyl phthalate	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/30/01	
Fluoranthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-01 (SID'S MW-1 - Water)				Sampled: 07/11/01				
Fluorene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Hexachlorobenzene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Hexachlorobutadiene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Hexachlorocyclopentadiene	EPA 8270C	I1G1501	40	ND	0.9	7/15/01	7/30/01	
Hexachloroethane	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Indeno(1,2,3-cd)pyrene	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
Isophorone	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
2-Methylnaphthalene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
2-Methylphenol	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
4-Methylphenol	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Naphthalene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
2-Nitroaniline	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
3-Nitroaniline	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
4-Nitroaniline	EPA 8270C	I1G1501	100	ND	0.9	7/15/01	7/30/01	
Nitrobenzene	EPA 8270C	I1G1501	40	ND	0.9	7/15/01	7/30/01	
2-Nitrophenol	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
4-Nitrophenol	EPA 8270C	I1G1501	100	ND	0.9	7/15/01	7/30/01	
n-Nitrosodiphenylamine	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
n-Nitroso-di-n-propylamine	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Pentachlorophenol	EPA 8270C	I1G1501	40	ND	0.9	7/15/01	7/30/01	
Phenanthrene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Phenol	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Pyrene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
1,2,4-Trichlorobenzene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
2,4,5-Trichlorophenol	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
2,4,6-Trichlorophenol	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
Surrogate: 2-Fluorophenol (30-110%)				*56.8 %*				
Surrogate: Phenol-d6 (40-110%)				*66.8 %*				
Surrogate: 2,4,6-Tribromophenol (55-140%)				*76.8 %*				
Surrogate: Nitrobenzene-d5 (40-110%)				*65.7 %*				
Surrogate: 2-Fluorobiphenyl (40-120%)				*64.3 %*				
Surrogate: Terphenyl-d14 (55-160%)				*82.6 %*				

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Patty Mata
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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-02 (SID'S MW-3 - Water)				**Sampled: 07/11/01**				
Acenaphthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Acenaphthylene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Aniline	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Anthracene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Azobenzene	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
Benzidine	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/30/01	
Benzoic acid	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/30/01	
Benzo(a)anthracene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzo(b)fluoranthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzo(k)fluoranthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzo(g,h,i)perylene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzo(a)pyrene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Benzyl alcohol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
Bis(2-chloroethoxy)methane	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Bis(2-chloroethyl)ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Bis(2-chloroisopropyl)ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Bis(2-ethylhexyl)phthalate	EPA 8270C	IIG1501	50	ND	0.9	7/15/01	7/30/01	
4-Bromophenyl phenyl ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Butyl benzyl phthalate	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
4-Chloroaniline	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
2-Chloronaphthalene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
4-Chloro-3-methylphenol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
2-Chlorophenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
4-Chlorophenyl phenyl ether	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Chrysene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Dibenz(a,h)anthracene	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
Dibenzofuran	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Di-n-butyl phthalate	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
1,3-Dichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
1,4-Dichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
1,2-Dichlorobenzene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
3,3-Dichlorobenzidine	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/30/01	
2,4-Dichlorophenol	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Diethyl phthalate	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
2,4-Dimethylphenol	EPA 8270C	IIG1501	20	ND	0.9	7/15/01	7/30/01	
Dimethyl phthalate	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
4,6-Dinitro-2-methylphenol	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/30/01	
2,4-Dinitrophenol	EPA 8270C	IIG1501	100	ND	0.9	7/15/01	7/30/01	
2,4-Dinitrotoluene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
2,6-Dinitrotoluene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	
Di-n-octyl phthalate	EPA 8270C	IIG1501	40	ND	0.9	7/15/01	7/30/01	
Fluoranthene	EPA 8270C	IIG1501	10	ND	0.9	7/15/01	7/30/01	

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Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IKG0390-02 (SID'S MW-3 - Water)				**Sampled: 07/11/01**				
Fluorene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Hexachlorobenzene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Hexachlorobutadiene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Hexachlorocyclopentadiene	EPA 8270C	I1G1501	40	ND	0.9	7/15/01	7/30/01	
Hexachloroethane	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Indeno(1,2,3-cd)pyrene	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
Isophorone	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
2-Methylnaphthalene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
2-Methylphenol	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
4-Methylphenol	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Naphthalene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
2-Nitroaniline	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
3-Nitroaniline	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
4-Nitroaniline	EPA 8270C	I1G1501	100	ND	0.9	7/15/01	7/30/01	
Nitrobenzene	EPA 8270C	I1G1501	40	ND	0.9	7/15/01	7/30/01	
2-Nitrophenol	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
4-Nitrophenol	EPA 8270C	I1G1501	100	ND	0.9	7/15/01	7/30/01	
n-Nitrosodiphenylamine	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
n-Nitroso-di-n-propylamine	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Pentachlorophenol	EPA 8270C	I1G1501	40	ND	0.9	7/15/01	7/30/01	
Phenanthrene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Phenol	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
Pyrene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
1,2,4-Trichlorobenzene	EPA 8270C	I1G1501	10	ND	0.9	7/15/01	7/30/01	
2,4,5-Trichlorophenol	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
2,4,6-Trichlorophenol	EPA 8270C	I1G1501	20	ND	0.9	7/15/01	7/30/01	
Surrogate: 2-Fluorophenol (30-110%)				*72.5 %*				
Surrogate: Phenol-d6 (40-110%)				*83.1 %*				
Surrogate: 2,4,6-Tribromophenol (55-140%)				*86.8 %*				
Surrogate: Nitrobenzene-d5 (40-110%)				*84.1 %*				
Surrogate: 2-Fluorobiphenyl (40-120%)				*79.4 %*				
Surrogate: Terphenyl-d14 (55-160%)				*90.1 %*				

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Patty Mata
Project Manager

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Earth Tech - San Diego
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San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l				
Sample ID: IKG0390-01 (SID'S MW-1 - Water)				**Sampled: 07/11/01**				
Arsenic	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Barium	EPA 6010B	IIG1846	0.010	**1.0**	1	7/18/01	7/18/01	
Cadmium	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Chromium	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Lead	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Mercury	EPA 7470A	IIG1626	0.00020	ND	1	7/16/01	7/16/01	
Selenium	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Silver	EPA 6010B	IIG1846	0.010	ND	1	7/18/01	7/18/01	
Sample ID: IKG0390-02 (SID'S MW-3 - Water)				**Sampled: 07/11/01**				
Arsenic	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Barium	EPA 6010B	IIG1846	0.010	**0.36**	1	7/18/01	7/18/01	
Cadmium	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Chromium	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Lead	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Mercury	EPA 7470A	IIG1626	0.00020	ND	1	7/16/01	7/16/01	
Selenium	EPA 6010B	IIG1846	0.0050	**0.024**	1	7/18/01	7/18/01	
Silver	EPA 6010B	IIG1846	0.010	ND	1	7/18/01	7/18/01	
Sample ID: IKG0390-03 (B-215 - Water)				**Sampled: 07/12/01**				
Arsenic	EPA 6010B	IIG1846	0.0050	**0.018**	1	7/18/01	7/18/01	
Barium	EPA 6010B	IIG1846	0.010	**0.59**	1	7/18/01	7/18/01	
Cadmium	EPA 6010B	IIG1846	0.0050	ND	1	7/18/01	7/18/01	
Chromium	EPA 6010B	IIG1846	0.0050	**0.0054**	1	7/18/01	7/18/01	
Lead	EPA 6010B	IIG1846	0.0050	**0.0065**	1	7/18/01	7/18/01	
Mercury	EPA 7470A	IIG1626	0.00020	**0.00043**	1	7/16/01	7/16/01	
Selenium	EPA 6010B	IIG1846	0.0050	**0.0063**	1	7/18/01	7/18/01	
Silver	EPA 6010B	IIG1846	0.010	ND	1	7/18/01	7/18/01	

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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1622 Extracted: 07/16/01										
Blank Analyzed: 07/18/01 (I1G1622-BLK1)										QD
DRO (C8-C24)	ND	0.50	mg/l							
ORO (C25-C40)	ND	0.50	mg/l							
EFH (C8 - C40)	ND	0.50	mg/l							
Surrogate: n-Octacosane	*0.167*		*mg/l*	*0.200*		*83.5*	*45-140*			
LCS Analyzed: 07/18/01 (I1G1622-BS1)										QD
EFH (C8 - C40)	*0.835*	*0.50*	*mg/l*	*1.00*		*83.5*	*55-115*			
Surrogate: n-Octacosane	*0.233*		*mg/l*	*0.200*		*116*	*45-140*			
LCS Dup Analyzed: 07/18/01 (I1G1622-BSD1)										QD
EFH (C8 - C40)	0.746	0.50	mg/l	1.00		74.6	55-115	11.3	35	
Surrogate: n-Octacosane	*0.214*		*mg/l*	*0.200*		*107*	*45-140*			

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VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1632 Extracted: 07/16/01										
Blank Analyzed: 07/16/01 (I1G1632-BLK1)										
Volatile Fuel Hydrocarbons	ND	50	ug/l							QG
Surrogate: aaa-TFT (FID)	*8.67*		*ug/l*	*10.0*		*86.7*	*60-135*			
LCS Analyzed: 07/16/01 (I1G1632-BS1)										
Volatile Fuel Hydrocarbons	213	50	ug/l	220		96.8	70-125			QG
Surrogate: aaa-TFT (FID)	*8.35*		*ug/l*	*10.0*		*83.5*	*60-135*			
Matrix Spike Analyzed: 07/16/01 (I1G1632-MS1)					**Source: IKG0380-07**					
Volatile Fuel Hydrocarbons	219	50	ug/l	220	ND	99.5	65-130			QG
Surrogate: aaa-TFT (FID)	*9.44*		*ug/l*	*10.0*		*94.4*	*60-135*			
Matrix Spike Dup Analyzed: 07/16/01 (I1G1632-MSD1)					**Source: IKG0380-07**					
Volatile Fuel Hydrocarbons	207	50	ug/l	220	ND	94.1	65-130	5.63	20	QG
Surrogate: aaa-TFT (FID)	*8.99*		*ug/l*	*10.0*		*89.9*	*60-135*			
Batch: I1G1705 Extracted: 07/17/01										
Blank Analyzed: 07/17/01 (I1G1705-BLK1)										
Volatile Fuel Hydrocarbons	ND	50	ug/l							QG
Surrogate: aaa-TFT (FID)	*12.0*		*ug/l*	*10.0*		*120*	*60-135*			
LCS Analyzed: 07/17/01 (I1G1705-BS1)										
Volatile Fuel Hydrocarbons	266	50	ug/l	220		121	70-125			QG
Surrogate: aaa-TFT (FID)	*10.3*		*ug/l*	*10.0*		*103*	*60-135*			
Matrix Spike Analyzed: 07/17/01 (I1G1705-MS1)					**Source: IKG0396-07**					
Volatile Fuel Hydrocarbons	272	50	ug/l	220	ND	124	65-130			QG
Surrogate: aaa-TFT (FID)	*11.0*		*ug/l*	*10.0*		*110*	*60-135*			

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VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1705 Extracted: 07/17/01										
Matrix Spike Dup Analyzed: 07/17/01 (I1G1705-MSD1)					**Source: IKG0396-07**					
Volatile Fuel Hydrocarbons	272	50	ug/l	220	ND	124	65-130	0.00	20	*QG*
Surrogate: aaa-TFT (FID)	*11.2*		*ug/l*	*10.0*		*112*	*60-135*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1619 Extracted: 07/16/01										
Blank Analyzed: 07/16/01 (I1G1619-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	1.0	ug/l							

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G1619 Extracted: 07/16/01										
Blank Analyzed: 07/16/01 (11G1619-BLK1)										
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
tert-Butanol (TBA)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*24.0*		*ug/l*	*25.0*		*96.0*	*80-120*			
Surrogate: Toluene-d8	*22.8*		*ug/l*	*25.0*		*91.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1619 Extracted: 07/16/01										
LCS Analyzed: 07/16/01 (I1G1619-BS1)										
Benzene	24.6	0.50	ug/l	25.0		98.4	75-130			
Bromobenzene	25.3	1.0	ug/l	25.0		101	75-130			
Bromochloromethane	28.2	1.0	ug/l	25.0		113	70-140			
Bromodichloromethane	26.5	1.0	ug/l	25.0		106	75-135			
Bromoform	26.2	1.0	ug/l	25.0		105	55-130			
Bromomethane	25.9	1.0	ug/l	25.0		104	65-140			
n-Butylbenzene	27.6	1.0	ug/l	25.0		110	75-130			
sec-Butylbenzene	27.9	1.0	ug/l	25.0		112	80-135			
tert-Butylbenzene	26.2	1.0	ug/l	25.0		105	75-130			
Carbon tetrachloride	29.0	0.50	ug/l	25.0		116	70-160			
Chlorobenzene	26.6	1.0	ug/l	25.0		106	75-130			
Chloroethane	25.8	1.0	ug/l	25.0		103	65-135			
Chloroform	27.6	1.0	ug/l	25.0		110	75-130			
Chloromethane	22.0	1.0	ug/l	25.0		88.0	45-130			
2-Chlorotoluene	25.4	1.0	ug/l	25.0		102	75-130			
4-Chlorotoluene	25.9	1.0	ug/l	25.0		104	80-130			
Dibromochloromethane	27.3	1.0	ug/l	25.0		109	70-140			
1,2-Dibromo-3-chloropropane	27.2	5.0	ug/l	25.0		109	50-145			
1,2-Dibromoethane (EDB)	27.8	1.0	ug/l	25.0		111	60-145			
Dibromomethane	28.4	1.0	ug/l	25.0		114	65-135			
1,2-Dichlorobenzene	25.7	1.0	ug/l	25.0		103	75-130			
1,3-Dichlorobenzene	25.5	1.0	ug/l	25.0		102	75-130			
1,4-Dichlorobenzene	25.2	1.0	ug/l	25.0		101	80-125			
Dichlorodifluoromethane	17.1	2.0	ug/l	25.0		68.4	10-140			
1,1-Dichloroethane	27.9	1.0	ug/l	25.0		112	75-135			
1,2-Dichloroethane	27.2	0.50	ug/l	25.0		109	65-140			
1,1-Dichloroethene	28.2	1.0	ug/l	25.0		113	70-145			
cis-1,2-Dichloroethene	25.7	1.0	ug/l	25.0		103	70-130			
trans-1,2-Dichloroethene	28.4	1.0	ug/l	25.0		114	75-140			
1,2-Dichloropropane	25.9	1.0	ug/l	25.0		104	75-130			
1,3-Dichloropropane	26.8	1.0	ug/l	25.0		107	65-140			
2,2-Dichloropropane	26.8	1.0	ug/l	25.0		107	75-150			
1,1-Dichloropropene	26.4	1.0	ug/l	25.0		106	75-140			
cis-1,3-Dichloropropene	26.5	0.50	ug/l	25.0		106	65-135			
trans-1,3-Dichloropropene	27.8	0.50	ug/l	25.0		111	65-140			
Ethylbenzene	27.6	1.0	ug/l	25.0		110	75-135			

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1619 Extracted: 07/16/01										
LCS Analyzed: 07/16/01 (I1G1619-BS1)										
Hexachlorobutadiene	23.8	1.0	ug/l	25.0		95.2	75-150			
Isopropylbenzene	25.8	1.0	ug/l	25.0		103	80-135			
p-Isopropyltoluene	25.5	1.0	ug/l	25.0		102	75-130			
Methylene chloride	25.8	5.0	ug/l	25.0		103	70-125			
Methyl-tert-butyl Ether (MTBE)	29.3	1.0	ug/l	25.0		117	65-135			
Naphthalene	26.7	1.0	ug/l	25.0		107	50-145			
n-Propylbenzene	26.6	1.0	ug/l	25.0		106	80-135			
Styrene	28.2	1.0	ug/l	25.0		113	75-140			
1,1,1,2-Tetrachloroethane	27.4	1.0	ug/l	25.0		110	75-135			
1,1,2,2-Tetrachloroethane	30.8	1.0	ug/l	25.0		123	70-135			
Tetrachloroethene	27.2	1.0	ug/l	25.0		109	75-130			
Toluene	25.5	1.0	ug/l	25.0		102	75-130			
1,2,3-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	50-140			
1,2,4-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	70-130			
1,1,1-Trichloroethane	30.2	1.0	ug/l	25.0		121	75-140			
1,1,2-Trichloroethane	26.3	1.0	ug/l	25.0		105	65-130			
Trichloroethene	23.8	1.0	ug/l	25.0		95.2	75-130			
Trichlorofluoromethane	24.4	1.0	ug/l	25.0		97.6	55-145			
1,2,3-Trichloropropane	27.0	1.0	ug/l	25.0		108	60-140			
1,2,4-Trimethylbenzene	26.2	1.0	ug/l	25.0		105	80-130			
1,3,5-Trimethylbenzene	26.5	1.0	ug/l	25.0		106	80-135			
Vinyl chloride	21.4	0.50	ug/l	25.0		85.6	45-140			
o-Xylene	26.9	1.0	ug/l	25.0		108	75-130			
m,p-Xylenes	52.5	1.0	ug/l	50.0		105	75-135			
Di-isopropyl Ether (DIPE)	25.8	5.0	ug/l	25.0		103	65-135			
Ethyl tert-Butyl Ether (ETBE)	28.0	5.0	ug/l	25.0		112	65-135			
tert-Amyl Methyl Ether (TAME)	27.0	5.0	ug/l	25.0		108	60-135			
tert-Butanol (TBA)	128	50	ug/l	125		102	55-160			
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*97.6*	*80-120*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*91.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11G1619 Extracted: 07/16/01										
Matrix Spike Analyzed: 07/16/01 (11G1619-MS1)					Source: IKG0430-17					
Benzene	26.6	0.50	ug/l	25.0	ND	106	70-140			
Bromodichloromethane	28.6	1.0	ug/l	25.0	ND	114	75-145			
Bromoform	26.5	1.0	ug/l	25.0	ND	106	70-150			
Chlorobenzene	28.5	1.0	ug/l	25.0	ND	114	75-130			
Chloroform	30.1	1.0	ug/l	25.0	ND	120	75-150			
Dibromochloromethane	28.8	1.0	ug/l	25.0	ND	115	70-145			
1,4-Dichlorobenzene	27.0	1.0	ug/l	25.0	ND	108	80-145			
1,1-Dichloroethane	30.3	1.0	ug/l	25.0	ND	121	75-160			
1,2-Dichloroethane	28.9	0.50	ug/l	25.0	ND	116	65-160			
1,1-Dichloroethene	28.8	1.0	ug/l	25.0	ND	115	65-165			
Ethylbenzene	29.3	1.0	ug/l	25.0	ND	117	80-135			
Methyl-tert-butyl Ether (MTBE)	32.1	1.0	ug/l	25.0	2.1	120	65-150			
Naphthalene	25.1	1.0	ug/l	25.0	ND	100	50-155			
Tetrachloroethene	29.1	1.0	ug/l	25.0	ND	116	75-155			
Toluene	27.2	1.0	ug/l	25.0	ND	109	75-135			
Trichloroethene	25.3	1.0	ug/l	25.0	ND	101	75-130			
Vinyl chloride	23.6	0.50	ug/l	25.0	ND	94.4	40-190			
o-Xylene	28.2	1.0	ug/l	25.0	ND	113	75-150			
m,p-Xylenes	53.4	1.0	ug/l	50.0	ND	107	70-140			
Di-isopropyl Ether (DIPE)	27.9	5.0	ug/l	25.0	ND	112	65-135			
Ethyl tert-Butyl Ether (ETBE)	29.1	5.0	ug/l	25.0	ND	116	65-135			
tert-Amyl Methyl Ether (TAME)	27.3	5.0	ug/l	25.0	ND	109	60-135			
tert-Butanol (TBA)	130	50	ug/l	125	ND	104	55-160			
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*98.8*	*80-120*			
Surrogate: Toluene-d8	*22.8*		*ug/l*	*25.0*		*91.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Matrix Spike Dup Analyzed: 07/16/01 (11G1619-MSD1)					Source: IKG0430-17					
Benzene	26.0	0.50	ug/l	25.0	ND	104	70-140	2.28	20	
Bromodichloromethane	28.0	1.0	ug/l	25.0	ND	112	75-145	2.12	20	
Bromoform	26.0	1.0	ug/l	25.0	ND	104	70-150	1.90	20	
Chlorobenzene	27.5	1.0	ug/l	25.0	ND	110	75-130	3.57	20	
Chloroform	29.0	1.0	ug/l	25.0	ND	116	75-150	3.72	20	
Dibromochloromethane	27.8	1.0	ug/l	25.0	ND	111	70-145	3.53	20	
1,4-Dichlorobenzene	26.3	1.0	ug/l	25.0	ND	105	80-145	2.63	20	
1,1-Dichloroethane	29.4	1.0	ug/l	25.0	ND	118	75-160	3.02	20	
1,2-Dichloroethane	28.3	0.50	ug/l	25.0	ND	113	65-160	2.10	20	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1619 Extracted: 07/16/01										
Matrix Spike Dup Analyzed: 07/16/01 (I1G1619-MSD1)					**Source: IKG0430-17**					
1,1-Dichloroethene	27.9	1.0	ug/l	25.0	ND	112	65-165	3.17	20	
Ethylbenzene	28.4	1.0	ug/l	25.0	ND	114	80-135	3.12	20	
Methyl-tert-butyl Ether (MTBE)	31.1	1.0	ug/l	25.0	2.1	116	65-150	3.16	20	
Naphthalene	24.8	1.0	ug/l	25.0	ND	99.2	50-155	1.20	20	
Tetrachloroethene	28.3	1.0	ug/l	25.0	ND	113	75-155	2.79	20	
Toluene	26.8	1.0	ug/l	25.0	ND	107	75-135	1.48	20	
Trichloroethene	24.7	1.0	ug/l	25.0	ND	98.8	75-130	2.40	20	
Vinyl chloride	22.8	0.50	ug/l	25.0	ND	91.2	40-190	3.45	25	
o-Xylene	27.6	1.0	ug/l	25.0	ND	110	75-150	2.15	20	
m,p-Xylenes	52.1	1.0	ug/l	50.0	ND	104	70-140	2.46	20	
Di-isopropyl Ether (DIPE)	26.9	5.0	ug/l	25.0	ND	108	65-135	3.65	20	
Ethyl tert-Butyl Ether (ETBE)	28.7	5.0	ug/l	25.0	ND	115	65-135	1.38	20	
tert-Amyl Methyl Ether (TAME)	27.2	5.0	ug/l	25.0	ND	109	60-135	0.367	20	
tert-Butanol (TBA)	131	50	ug/l	125	ND	105	55-160	0.766	40	
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98.4*	*80-120*			
Surrogate: Toluene-d8	*23.0*		*ug/l*	*25.0*		*92.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Batch: I1G1717 Extracted: 07/17/01										
Blank Analyzed: 07/17/01 (I1G1717-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1717 Extracted: 07/17/01										
Blank Analyzed: 07/17/01 (I1G1717-BLK1)										
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	2.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1717 Extracted: 07/17/01										
Blank Analyzed: 07/17/01 (I1G1717-BLK1)										
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
tert-Butanol (TBA)	ND	50	ug/l							
Surrogate: Dibromofluoromethane	*21.2*		*ug/l*	*25.0*		*84.8*	*80-120*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97.2*	*80-120*			
LCS Analyzed: 07/17/01 (I1G1717-BS1)										
Benzene	24.8	0.50	ug/l	25.0		99.2	75-130			
Bromobenzene	25.0	1.0	ug/l	25.0		100	75-130			
Bromochloromethane	23.6	1.0	ug/l	25.0		94.4	70-140			
Bromodichloromethane	23.7	1.0	ug/l	25.0		94.8	75-135			
Bromoform	28.0	1.0	ug/l	25.0		112	55-130			
Bromomethane	22.5	1.0	ug/l	25.0		90.0	65-140			
n-Butylbenzene	27.9	1.0	ug/l	25.0		112	75-130			
sec-Butylbenzene	29.2	1.0	ug/l	25.0		117	80-135			
tert-Butylbenzene	27.1	1.0	ug/l	25.0		108	75-130			
Carbon tetrachloride	29.0	0.50	ug/l	25.0		116	70-160			
Chlorobenzene	24.6	1.0	ug/l	25.0		98.4	75-130			
Chloroethane	24.6	1.0	ug/l	25.0		98.4	65-135			
Chloroform	23.0	1.0	ug/l	25.0		92.0	75-130			
Chloromethane	21.4	1.0	ug/l	25.0		85.6	45-130			
2-Chlorotoluene	25.3	1.0	ug/l	25.0		101	75-130			
4-Chlorotoluene	25.4	1.0	ug/l	25.0		102	80-130			
Dibromochloromethane	24.1	1.0	ug/l	25.0		96.4	70-140			
1,2-Dibromo-3-chloropropane	29.1	5.0	ug/l	25.0		116	50-145			
1,2-Dibromoethane (EDB)	25.1	1.0	ug/l	25.0		100	60-145			
Dibromomethane	24.9	1.0	ug/l	25.0		99.6	65-135			

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VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1717 Extracted: 07/17/01										
LCS Analyzed: 07/17/01 (I1G1717-BS1)										
1,2-Dichlorobenzene	25.1	1.0	ug/l	25.0		100	75-130			
1,3-Dichlorobenzene	24.6	1.0	ug/l	25.0		98.4	75-130			
1,4-Dichlorobenzene	25.0	1.0	ug/l	25.0		100	80-125			
Dichlorodifluoromethane	21.8	2.0	ug/l	25.0		87.2	10-140			
1,1-Dichloroethane	23.6	1.0	ug/l	25.0		94.4	75-135			
1,2-Dichloroethane	24.0	0.50	ug/l	25.0		96.0	65-140			
1,1-Dichloroethene	25.5	1.0	ug/l	25.0		102	70-145			
cis-1,2-Dichloroethene	21.4	1.0	ug/l	25.0		85.6	70-130			
trans-1,2-Dichloroethene	24.6	1.0	ug/l	25.0		98.4	75-140			
1,2-Dichloropropane	23.8	1.0	ug/l	25.0		95.2	75-130			
1,3-Dichloropropane	24.4	1.0	ug/l	25.0		97.6	65-140			
2,2-Dichloropropane	26.8	1.0	ug/l	25.0		107	75-150			
1,1-Dichloropropene	25.9	1.0	ug/l	25.0		104	75-140			
cis-1,3-Dichloropropene	24.3	0.50	ug/l	25.0		97.2	65-135			
trans-1,3-Dichloropropene	24.8	0.50	ug/l	25.0		99.2	65-140			
Ethylbenzene	26.4	1.0	ug/l	25.0		106	75-135			
Hexachlorobutadiene	27.3	1.0	ug/l	25.0		109	75-150			
Isopropylbenzene	27.4	1.0	ug/l	25.0		110	80-135			
p-Isopropyltoluene	27.3	1.0	ug/l	25.0		109	75-130			
Methylene chloride	20.4	5.0	ug/l	25.0		81.6	70-125			
Methyl-tert-butyl Ether (MTBE)	22.9	1.0	ug/l	25.0		91.6	65-135			
Naphthalene	28.0	1.0	ug/l	25.0		112	50-145			
n-Propylbenzene	27.7	1.0	ug/l	25.0		111	80-135			
Styrene	25.0	1.0	ug/l	25.0		100	75-140			
1,1,1,2-Tetrachloroethane	25.1	1.0	ug/l	25.0		100	75-135			
1,1,2,2-Tetrachloroethane	26.6	1.0	ug/l	25.0		106	70-135			
Tetrachloroethene	27.5	1.0	ug/l	25.0		110	75-130			
Toluene	25.7	1.0	ug/l	25.0		103	75-130			
1,2,3-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	50-140			
1,2,4-Trichlorobenzene	27.2	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	26.8	1.0	ug/l	25.0		107	75-140			
1,1,2-Trichloroethane	23.9	1.0	ug/l	25.0		95.6	65-130			
Trichloroethene	25.6	1.0	ug/l	25.0		102	75-130			
Trichlorofluoromethane	24.8	1.0	ug/l	25.0		99.2	55-145			
1,2,3-Trichloropropane	26.3	1.0	ug/l	25.0		105	60-140			
1,2,4-Trimethylbenzene	26.2	1.0	ug/l	25.0		105	80-130			

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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1717 Extracted: 07/17/01										
LCS Analyzed: 07/17/01 (I1G1717-BS1)										
1,3,5-Trimethylbenzene	26.7	1.0	ug/l	25.0		107	80-135			
Vinyl chloride	24.1	0.50	ug/l	25.0		96.4	45-140			
o-Xylene	25.4	1.0	ug/l	25.0		102	75-130			
m,p-Xylenes	52.6	1.0	ug/l	50.0		105	75-135			
Di-isopropyl Ether (DIPE)	21.5	5.0	ug/l	25.0		86.0	65-135			
Ethyl tert-Butyl Ether (ETBE)	22.0	5.0	ug/l	25.0		88.0	65-135			
tert-Amyl Methyl Ether (TAME)	21.8	5.0	ug/l	25.0		87.2	60-135			
tert-Butanol (TBA)	125	50	ug/l	125		100	55-160			
Surrogate: Dibromofluoromethane	*21.8*		*ug/l*	*25.0*		*87.2*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99.2*	*80-120*			
Matrix Spike Analyzed: 07/17/01 (I1G1717-MS1)					**Source: IKG0396-05**					
Benzene	25.2	0.50	ug/l	25.0	ND	99.4	70-140			
Bromodichloromethane	25.0	1.0	ug/l	25.0	ND	100	75-145			
Bromoform	27.8	1.0	ug/l	25.0	ND	111	70-150			
Chlorobenzene	25.6	1.0	ug/l	25.0	ND	102	75-130			
Chloroform	23.6	1.0	ug/l	25.0	ND	94.4	75-150			
Dibromochloromethane	25.2	1.0	ug/l	25.0	ND	101	70-145			
1,4-Dichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	80-145			
1,1-Dichloroethane	24.0	1.0	ug/l	25.0	ND	96.0	75-160			
1,2-Dichloroethane	24.7	0.50	ug/l	25.0	ND	98.8	65-160			
1,1-Dichloroethene	25.4	1.0	ug/l	25.0	ND	102	65-165			
Ethylbenzene	27.0	1.0	ug/l	25.0	ND	107	80-135			
Methyl-tert-butyl Ether (MTBE)	23.6	1.0	ug/l	25.0	ND	94.4	65-150			
Naphthalene	26.1	1.0	ug/l	25.0	ND	102	50-155			
Tetrachloroethene	27.4	1.0	ug/l	25.0	ND	110	75-155			
Toluene	27.0	1.0	ug/l	25.0	1.1	104	75-135			
Trichloroethene	25.4	1.0	ug/l	25.0	ND	102	75-130			
Vinyl chloride	25.6	0.50	ug/l	25.0	ND	102	40-190			
o-Xylene	26.5	1.0	ug/l	25.0	ND	104	75-150			
m,p-Xylenes	54.5	1.0	ug/l	50.0	1.3	106	70-140			
Di-isopropyl Ether (DIPE)	22.8	5.0	ug/l	25.0	ND	91.2	65-135			
Ethyl tert-Butyl Ether (ETBE)	23.3	5.0	ug/l	25.0	ND	93.2	65-135			
tert-Amyl Methyl Ether (TAME)	22.9	5.0	ug/l	25.0	ND	91.6	60-135			
tert-Butanol (TBA)	120	50	ug/l	125	ND	96.0	55-160			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*88.8*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1717 Extracted: 07/17/01										
Matrix Spike Analyzed: 07/17/01 (I1G1717-MS1)					Source: IKG0396-05					
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Matrix Spike Dup Analyzed: 07/17/01 (I1G1717-MSD1)					Source: IKG0396-05					
Benzene	25.8	0.50	ug/l	25.0	ND	102	70-140	2.35	20	
Bromodichloromethane	24.8	1.0	ug/l	25.0	ND	99.2	75-145	0.803	20	
Bromoform	26.8	1.0	ug/l	25.0	ND	107	70-150	3.66	20	
Chlorobenzene	26.1	1.0	ug/l	25.0	ND	104	75-130	1.93	20	
Chloroform	23.5	1.0	ug/l	25.0	ND	94.0	75-150	0.425	20	
Dibromochloromethane	24.9	1.0	ug/l	25.0	ND	99.6	70-145	1.20	20	
1,4-Dichlorobenzene	26.0	1.0	ug/l	25.0	ND	104	80-145	2.73	20	
1,1-Dichloroethane	24.0	1.0	ug/l	25.0	ND	96.0	75-160	0.00	20	
1,2-Dichloroethane	24.2	0.50	ug/l	25.0	ND	96.8	65-160	2.04	20	
1,1-Dichloroethene	26.3	1.0	ug/l	25.0	ND	105	65-165	3.48	20	
Ethylbenzene	28.1	1.0	ug/l	25.0	ND	111	80-135	3.99	20	
Methyl-tert-butyl Ether (MTBE)	22.5	1.0	ug/l	25.0	ND	90.0	65-150	4.77	20	
Naphthalene	26.1	1.0	ug/l	25.0	ND	102	50-155	0.00	20	
Tetrachloroethene	28.7	1.0	ug/l	25.0	ND	115	75-155	4.63	20	
Toluene	27.6	1.0	ug/l	25.0	1.1	106	75-135	2.20	20	
Trichloroethene	26.5	1.0	ug/l	25.0	ND	106	75-130	4.24	20	
Vinyl chloride	26.4	0.50	ug/l	25.0	ND	106	40-190	3.08	25	
o-Xylene	27.1	1.0	ug/l	25.0	ND	106	75-150	2.24	20	
m,p-Xylenes	56.7	1.0	ug/l	50.0	1.3	111	70-140	3.96	20	
Di-isopropyl Ether (DIPE)	22.3	5.0	ug/l	25.0	ND	89.2	65-135	2.22	20	
Ethyl tert-Butyl Ether (ETBE)	22.5	5.0	ug/l	25.0	ND	90.0	65-135	3.49	20	
tert-Amyl Methyl Ether (TAME)	21.9	5.0	ug/l	25.0	ND	87.6	60-135	4.46	20	
tert-Butanol (TBA)	126	50	ug/l	125	ND	101	55-160	4.88	40	
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85.2*	*80-120*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.9*		*ug/l*	*25.0*		*99.6*	*80-120*			

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
Blank Analyzed: 07/19/01 (I1G1501-BLK1)										
Acenaphthene	ND	10	ug/l							
Acenaphthylene	ND	10	ug/l							
Aniline	ND	10	ug/l							
Anthracene	ND	10	ug/l							
Azobenzene	ND	20	ug/l							
Benzidine	ND	100	ug/l							
Benzoic acid	ND	100	ug/l							
Benzo(a)anthracene	ND	10	ug/l							
Benzo(b)fluoranthene	ND	10	ug/l							
Benzo(k)fluoranthene	ND	10	ug/l							
Benzo(g,h,i)perylene	ND	10	ug/l							
Benzo(a)pyrene	ND	10	ug/l							
Benzyl alcohol	ND	20	ug/l							
Bis(2-chloroethoxy)methane	ND	10	ug/l							
Bis(2-chloroethyl)ether	ND	10	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	ug/l							
4-Bromophenyl phenyl ether	ND	10	ug/l							
Butyl benzyl phthalate	ND	20	ug/l							
4-Chloroaniline	ND	10	ug/l							
2-Chloronaphthalene	ND	10	ug/l							
4-Chloro-3-methylphenol	ND	20	ug/l							
2-Chlorophenol	ND	10	ug/l							
4-Chlorophenyl phenyl ether	ND	10	ug/l							
Chrysene	ND	10	ug/l							
Dibenz(a,h)anthracene	ND	20	ug/l							
Dibenzofuran	ND	10	ug/l							
Di-n-butyl phthalate	ND	20	ug/l							
1,3-Dichlorobenzene	ND	10	ug/l							
1,4-Dichlorobenzene	ND	10	ug/l							
1,2-Dichlorobenzene	ND	10	ug/l							
3,3-Dichlorobenzidine	ND	40	ug/l							
2,4-Dichlorophenol	ND	10	ug/l							
Diethyl phthalate	ND	10	ug/l							
2,4-Dimethylphenol	ND	20	ug/l							
Dimethyl phthalate	ND	10	ug/l							

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
Blank Analyzed: 07/19/01 (I1G1501-BLK1)										
4,6-Dinitro-2-methylphenol	ND	40	ug/l							
2,4-Dinitrophenol	ND	100	ug/l							
2,4-Dinitrotoluene	ND	10	ug/l							
2,6-Dinitrotoluene	ND	10	ug/l							
Di-n-octyl phthalate	ND	40	ug/l							
Fluoranthene	ND	10	ug/l							
Fluorene	ND	10	ug/l							
Hexachlorobenzene	ND	10	ug/l							
Hexachlorobutadiene	ND	10	ug/l							
Hexachlorocyclopentadiene	ND	40	ug/l							
Hexachloroethane	ND	10	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	ug/l							
Isophorone	ND	10	ug/l							
2-Methylnaphthalene	ND	10	ug/l							
2-Methylphenol	ND	10	ug/l							
4-Methylphenol	ND	10	ug/l							
Naphthalene	ND	10	ug/l							
2-Nitroaniline	ND	20	ug/l							
3-Nitroaniline	ND	20	ug/l							
4-Nitroaniline	ND	100	ug/l							
Nitrobenzene	ND	40	ug/l							
2-Nitrophenol	ND	10	ug/l							
4-Nitrophenol	ND	100	ug/l							
n-Nitrosodiphenylamine	ND	10	ug/l							
n-Nitroso-di-n-propylamine	ND	10	ug/l							
Pentachlorophenol	ND	40	ug/l							
Phenanthrene	ND	10	ug/l							
Phenol	ND	10	ug/l							
Pyrene	ND	10	ug/l							
1,2,4-Trichlorobenzene	ND	10	ug/l							
2,4,5-Trichlorophenol	ND	20	ug/l							
2,4,6-Trichlorophenol	ND	20	ug/l							
Surrogate: 2-Fluorophenol	*134*		*ug/l*	*200*		*67.0*	*30-110*			
Surrogate: Phenol-d6	*145*		*ug/l*	*200*		*72.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*141*		*ug/l*	*200*		*70.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*74.4*		*ug/l*	*100*		*74.4*	*40-110*			

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METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
Blank Analyzed: 07/19/01 (I1G1501-BLK1)										
Surrogate: 2-Fluorobiphenyl	*72.7*		*ug/l*	*100*		*72.7*	*40-120*			
Surrogate: Terphenyl-d14	*67.9*		*ug/l*	*100*		*67.9*	*55-160*			
LCS Analyzed: 07/19/01 (I1G1501-BS1)										
Acenaphthene	81.9	10	ug/l	100		81.9	55-120			
Acenaphthylene	79.0	10	ug/l	100		79.0	55-120			
Aniline	78.1	10	ug/l	100		78.1	30-120			
Anthracene	87.3	10	ug/l	100		87.3	65-120			
Azobenzene	85.8	20	ug/l	100		85.8	50-125			
Benzidine	ND	100	ug/l	100		81.2	10-200			
Benzoic acid	ND	100	ug/l	100		75.3	25-120			
Benzo(a)anthracene	91.4	10	ug/l	100		91.4	70-125			
Benzo(b)fluoranthene	104	10	ug/l	100		104	65-125			
Benzo(k)fluoranthene	108	10	ug/l	100		108	65-135			
Benzo(g,h,i)perylene	105	10	ug/l	100		105	25-150			
Benzo(a)pyrene	108	10	ug/l	100		108	70-125			
Benzyl alcohol	85.5	20	ug/l	100		85.5	45-120			
Bis(2-chloroethoxy)methane	80.7	10	ug/l	100		80.7	50-120			
Bis(2-chloroethyl)ether	77.3	10	ug/l	100		77.3	45-120			
Bis(2-chloroisopropyl)ether	82.5	10	ug/l	100		82.5	36-120			
Bis(2-ethylhexyl)phthalate	90.5	50	ug/l	100		90.5	65-140			
4-Bromophenyl phenyl ether	94.3	10	ug/l	100		94.3	55-120			
Butyl benzyl phthalate	90.6	20	ug/l	100		90.6	70-135			
4-Chloroaniline	84.3	10	ug/l	100		84.3	25-120			
2-Chloronaphthalene	82.0	10	ug/l	100		82.0	60-118			
4-Chloro-3-methylphenol	87.6	20	ug/l	100		87.6	55-120			
2-Chlorophenol	76.6	10	ug/l	100		76.6	45-120			
4-Chlorophenyl phenyl ether	85.2	10	ug/l	100		85.2	60-120			
Chrysene	89.7	10	ug/l	100		89.7	70-130			
Dibenz(a,h)anthracene	104	20	ug/l	100		104	50-130			
Dibenzofuran	83.0	10	ug/l	100		83.0	55-120			
Di-n-butyl phthalate	92.7	20	ug/l	100		92.7	60-118			
1,3-Dichlorobenzene	70.7	10	ug/l	100		70.7	30-120			
1,4-Dichlorobenzene	69.3	10	ug/l	100		69.3	35-120			
1,2-Dichlorobenzene	72.9	10	ug/l	100		72.9	45-120			
3,3-Dichlorobenzidine	82.3	40	ug/l	100		82.3	35-145			
2,4-Dichlorophenol	80.4	10	ug/l	100		80.4	50-120			

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
LCS Analyzed: 07/19/01 (I1G1501-BS1)										
Diethyl phthalate	86.9	10	ug/l	100		86.9	65-114			
2,4-Dimethylphenol	61.1	20	ug/l	100		61.1	32-119			
Dimethyl phthalate	86.3	10	ug/l	100		86.3	65-112			
4,6-Dinitro-2-methylphenol	91.5	40	ug/l	100		91.5	65-125			
2,4-Dinitrophenol	ND	100	ug/l	100		79.9	40-125			
2,4-Dinitrotoluene	87.0	10	ug/l	100		87.0	65-120			
2,6-Dinitrotoluene	86.1	10	ug/l	100		86.1	65-120			
Di-n-octyl phthalate	108	40	ug/l	100		108	55-146			
Fluoranthene	90.5	10	ug/l	100		90.5	70-120			
Fluorene	82.9	10	ug/l	100		82.9	59-120			
Hexachlorobenzene	87.4	10	ug/l	100		87.4	60-120			
Hexachlorobutadiene	77.0	10	ug/l	100		77.0	35-116			
Hexachlorocyclopentadiene	ND	40	ug/l	100		35.4	10-120			
Hexachloroethane	74.3	10	ug/l	100		74.3	40-113			
Indeno(1,2,3-cd)pyrene	110	20	ug/l	100		110	40-135			
Isophorone	85.5	10	ug/l	100		85.5	50-120			
2-Methylnaphthalene	76.6	10	ug/l	100		76.6	55-120			
2-Methylphenol	79.7	10	ug/l	100		79.7	45-120			
4-Methylphenol	82.7	10	ug/l	100		82.7	45-120			
Naphthalene	78.2	10	ug/l	100		78.2	45-120			
2-Nitroaniline	98.1	20	ug/l	100		98.1	50-135			
3-Nitroaniline	80.2	20	ug/l	100		80.2	50-125			
4-Nitroaniline	ND	100	ug/l	100		88.0	55-140			
Nitrobenzene	86.3	40	ug/l	100		86.3	45-120			
2-Nitrophenol	85.9	10	ug/l	100		85.9	50-120			
4-Nitrophenol	ND	100	ug/l	100		85.0	50-132			
n-Nitrosodiphenylamine	87.1	10	ug/l	100		87.1	45-120			
n-Nitroso-di-n-propylamine	87.1	10	ug/l	100		87.1	45-125			
Pentachlorophenol	81.4	40	ug/l	100		81.4	50-130			
Phenanthrene	85.9	10	ug/l	100		85.9	65-120			
Phenol	73.6	10	ug/l	100		73.6	35-112			
Pyrene	93.8	10	ug/l	100		93.8	65-115			
1,2,4-Trichlorobenzene	75.5	10	ug/l	100		75.5	50-120			
2,4,5-Trichlorophenol	86.5	20	ug/l	100		86.5	55-120			
2,4,6-Trichlorophenol	87.6	20	ug/l	100		87.6	55-120			
Surrogate: 2-Fluorophenol	*152*		*ug/l*	*200*		*76.0*	*30-110*			

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
LCS Analyzed: 07/19/01 (I1G1501-BS1)										
Surrogate: Phenol-d6	*162*		*ug/l*	*200*		*81.0*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*173*		*ug/l*	*200*		*86.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*88.1*		*ug/l*	*100*		*88.1*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*84.3*		*ug/l*	*100*		*84.3*	*40-120*			
Surrogate: Terphenyl-d14	*97.0*		*ug/l*	*100*		*97.0*	*55-160*			
LCS Dup Analyzed: 07/19/01 (I1G1501-BSD1)										
Acenaphthene	73.8	10	ug/l	100		73.8	55-120	10.4	35	
Acenaphthylene	72.5	10	ug/l	100		72.5	55-120	8.58	20	
Aniline	79.9	10	ug/l	100		79.9	30-120	2.28	40	
Anthracene	80.0	10	ug/l	100		80.0	65-120	8.73	15	
Azobenzene	79.1	20	ug/l	100		79.1	50-125	8.13	15	
Benzidine	ND	100	ug/l	100		88.2	10-200	8.26	35	
Benzoic acid	ND	100	ug/l	100		76.5	25-120	1.58	40	
Benzo(a)anthracene	79.8	10	ug/l	100		79.8	70-125	13.6	20	
Benzo(b)fluoranthene	93.9	10	ug/l	100		93.9	65-125	10.2	20	
Benzo(k)fluoranthene	97.0	10	ug/l	100		97.0	65-135	10.7	25	
Benzo(g,h,i)perylene	85.6	10	ug/l	100		85.6	25-150	20.4	25	
Benzo(a)pyrene	94.3	10	ug/l	100		94.3	70-125	13.5	15	
Benzyl alcohol	85.5	20	ug/l	100		85.5	45-120	0.00	25	
Bis(2-chloroethoxy)methane	77.2	10	ug/l	100		77.2	50-120	4.43	25	
Bis(2-chloroethyl)ether	76.2	10	ug/l	100		76.2	45-120	1.43	25	
Bis(2-chloroisopropyl)ether	80.2	10	ug/l	100		80.2	36-120	2.83	25	
Bis(2-ethylhexyl)phthalate	79.5	50	ug/l	100		79.5	65-140	12.9	15	
4-Bromophenyl phenyl ether	86.3	10	ug/l	100		86.3	55-120	8.86	20	
Butyl benzyl phthalate	80.3	20	ug/l	100		80.3	70-135	12.1	15	
4-Chloroaniline	81.4	10	ug/l	100		81.4	25-120	3.50	50	
2-Chloronaphthalene	74.1	10	ug/l	100		74.1	60-118	10.1	25	
4-Chloro-3-methylphenol	89.3	20	ug/l	100		89.3	55-120	1.92	25	
2-Chlorophenol	73.5	10	ug/l	100		73.5	45-120	4.13	25	
4-Chlorophenyl phenyl ether	79.7	10	ug/l	100		79.7	60-120	6.67	20	
Chrysene	77.9	10	ug/l	100		77.9	70-130	14.1	10	*R7*
Dibenz(a,h)anthracene	85.3	20	ug/l	100		85.3	50-130	19.8	15	*R7*
Dibenzofuran	76.9	10	ug/l	100		76.9	55-120	7.63	25	
Di-n-butyl phthalate	80.9	20	ug/l	100		80.9	60-118	13.6	10	*R7*
1,3-Dichlorobenzene	67.6	10	ug/l	100		67.6	30-120	4.48	30	
1,4-Dichlorobenzene	68.4	10	ug/l	100		68.4	35-120	1.31	25	

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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
LCS Dup Analyzed: 07/19/01 (I1G1501-BSD1)										
1,2-Dichlorobenzene	71.0	10	ug/l	100		71.0	45-120	2.64	25	
3,3-Dichlorobenzidine	73.3	40	ug/l	100		73.3	35-145	11.6	25	
2,4-Dichlorophenol	78.2	10	ug/l	100		78.2	50-120	2.77	25	
Diethyl phthalate	79.0	10	ug/l	100		79.0	65-114	9.52	15	
2,4-Dimethylphenol	54.7	20	ug/l	100		54.7	32-119	11.1	30	
Dimethyl phthalate	77.9	10	ug/l	100		77.9	65-112	10.2	20	
4,6-Dinitro-2-methylphenol	86.7	40	ug/l	100		86.7	65-125	5.39	20	
2,4-Dinitrophenol	ND	100	ug/l	100		83.2	40-125	4.05	30	
2,4-Dinitrotoluene	80.8	10	ug/l	100		80.8	65-120	7.39	20	
2,6-Dinitrotoluene	80.2	10	ug/l	100		80.2	65-120	7.10	20	
Di-n-octyl phthalate	106	40	ug/l	100		106	55-146	1.87	20	
Fluoranthene	83.1	10	ug/l	100		83.1	70-120	8.53	15	
Fluorene	77.2	10	ug/l	100		77.2	59-120	7.12	30	
Hexachlorobenzene	78.0	10	ug/l	100		78.0	60-120	11.4	15	
Hexachlorobutadiene	73.8	10	ug/l	100		73.8	35-116	4.24	25	
Hexachlorocyclopentadiene	ND	40	ug/l	100		26.5	10-120	28.8	35	
Hexachloroethane	72.6	10	ug/l	100		72.6	40-113	2.31	25	
Indeno(1,2,3-cd)pyrene	89.6	20	ug/l	100		89.6	40-135	20.4	20	
Isophorone	80.7	10	ug/l	100		80.7	50-120	5.78	20	
2-Methylnaphthalene	75.1	10	ug/l	100		75.1	55-120	1.98	20	
2-Methylphenol	77.4	10	ug/l	100		77.4	45-120	2.93	25	
4-Methylphenol	81.9	10	ug/l	100		81.9	45-120	0.972	25	
Naphthalene	73.7	10	ug/l	100		73.7	45-120	5.92	25	
2-Nitroaniline	91.8	20	ug/l	100		91.8	50-135	6.64	15	
3-Nitroaniline	74.0	20	ug/l	100		74.0	50-125	8.04	20	
4-Nitroaniline	ND	100	ug/l	100		86.3	55-140	1.95	15	
Nitrobenzene	81.0	40	ug/l	100		81.0	45-120	6.34	25	
2-Nitrophenol	82.7	10	ug/l	100		82.7	50-120	3.80	50	
4-Nitrophenol	ND	100	ug/l	100		84.8	50-132	0.236	30	
n-Nitrosodiphenylamine	78.6	10	ug/l	100		78.6	45-120	10.3	20	
n-Nitroso-di-n-propylamine	86.5	10	ug/l	100		86.5	45-125	0.691	25	
Pentachlorophenol	76.4	40	ug/l	100		76.4	50-130	6.34	45	
Phenanthrene	77.7	10	ug/l	100		77.7	65-120	10.0	20	
Phenol	70.9	10	ug/l	100		70.9	35-112	3.74	25	
Pyrene	77.9	10	ug/l	100		77.9	65-115	18.5	15	*R7*
1,2,4-Trichlorobenzene	72.7	10	ug/l	100		72.7	50-120	3.78	25	

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Attention: Greg Delson

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Report Number: IKG0390

Sampled: 07/11/01-07/13/01
Received: 07/13/01

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1501 Extracted: 07/15/01										
LCS Dup Analyzed: 07/19/01 (I1G1501-BSD1)										
2,4,5-Trichlorophenol	80.5	20	ug/l	100		80.5	55-120	7.19	35	
2,4,6-Trichlorophenol	80.4	20	ug/l	100		80.4	55-120	8.57	25	
Surrogate: 2-Fluorophenol	*143*		*ug/l*	*200*		*71.5*	*30-110*			
Surrogate: Phenol-d6	*157*		*ug/l*	*200*		*78.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*161*		*ug/l*	*200*		*80.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*82.1*		*ug/l*	*100*		*82.1*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*74.3*		*ug/l*	*100*		*74.3*	*40-120*			
Surrogate: Terphenyl-d14	*82.0*		*ug/l*	*100*		*82.0*	*55-160*			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1626 Extracted: 07/16/01										
Blank Analyzed: 07/16/01 (I1G1626-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 07/16/01 (I1G1626-BS1)										
Mercury	0.00833	0.00020	mg/l	0.00800		104	90-115			
Matrix Spike Analyzed: 07/16/01 (I1G1626-MS1)					Source: IKG0328-02					
Mercury	0.00851	0.00020	mg/l	0.00800	ND	105	75-120			
Matrix Spike Dup Analyzed: 07/16/01 (I1G1626-MSD1)					Source: IKG0328-02					
Mercury	0.00875	0.00020	mg/l	0.00800	ND	108	75-120	2.78	20	
Batch: I1G1846 Extracted: 07/18/01										
Blank Analyzed: 07/18/01 (I1G1846-BLK1)										
Arsenic	ND	0.0050	mg/l							
Barium	ND	0.010	mg/l							
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Lead	ND	0.0050	mg/l							
Selenium	ND	0.0050	mg/l							
Silver	ND	0.010	mg/l							
LCS Analyzed: 07/18/01 (I1G1846-BS1)										
Arsenic	0.963	0.0050	mg/l	1.00		96.3	80-120			
Barium	0.970	0.010	mg/l	1.00		97.0	80-120			
Cadmium	0.963	0.0050	mg/l	1.00		96.3	80-120			
Chromium	0.980	0.0050	mg/l	1.00		98.0	80-120			
Lead	0.973	0.0050	mg/l	1.00		97.3	80-120			
Selenium	0.986	0.0050	mg/l	1.00		98.6	80-120			
Silver	0.519	0.010	mg/l	0.500		104	80-120			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G1846 Extracted: 07/18/01										
Matrix Spike Analyzed: 07/18/01 (I1G1846-MS1)					**Source: IKG0442-01**					
Arsenic	0.951	0.0050	mg/l	1.00	ND	95.1	75-125			
Barium	0.951	0.010	mg/l	1.00	ND	94.4	75-125			
Cadmium	0.930	0.0050	mg/l	1.00	ND	93.0	75-125			
Chromium	0.950	0.0050	mg/l	1.00	ND	95.0	75-125			
Lead	0.949	0.0050	mg/l	1.00	ND	94.9	75-125			
Selenium	0.982	0.0050	mg/l	1.00	0.014	96.8	75-125			
Silver	0.506	0.010	mg/l	0.500	ND	101	75-125			
Matrix Spike Dup Analyzed: 07/18/01 (I1G1846-MSD1)					**Source: IKG0442-01**					
Arsenic	0.958	0.0050	mg/l	1.00	ND	95.8	75-125	0.733	20	
Barium	0.972	0.010	mg/l	1.00	ND	96.5	75-125	2.18	20	
Cadmium	0.952	0.0050	mg/l	1.00	ND	95.2	75-125	2.34	20	
Chromium	0.972	0.0050	mg/l	1.00	ND	97.2	75-125	2.29	20	
Lead	0.951	0.0050	mg/l	1.00	ND	95.1	75-125	0.211	20	
Selenium	0.985	0.0050	mg/l	1.00	0.014	97.1	75-125	0.305	20	
Silver	0.514	0.010	mg/l	0.500	ND	103	75-125	1.57	20	

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DATA QUALIFIERS AND DEFINITIONS

QD	Quantitated against a diesel fuel standard.
QG	Carbon range C6-C12 quantitated against a gasoline standard.
R7	LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR	Not reported.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

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CHAIN OF CUSTODY FORM

Client Name/Address: EARTH TECH 9675 Business Park Dve SAN DIEGO, CA 92131

Project/PO Number: 44102.02

Project Manager: Greg Dilson

Phone Number: (858) 536-5610

Sampler: L. Abe/A. Zaboya

Fax Number: (858) 536-5620

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOCs (EPA 8260B)	SVOCs (EPA 8270C)	TPH gasoline (EPA 8015M)	TPH diesel/oil (EPA 8015M)	RCRA Title 22 Metals (EPA 6010B/7000)				Special Instructions
S10's MW-1	AQ	VOAs, Amber plastic	8	7/11/01	1745	HCl, HNO3	X	X	X	X	X				
S10's MW-3	AQ	VOAs, Amber plastic	8	7/11/01	1915	HCl, HNO3	X	X	X	X	X				
B-215	AQ	VOAs, Amber plastic	8	7/12/01	1235	HCl, HNO3	X	X	X	X	X				
BV-202	AQ	VOAs, Amber plastic	8	7/12/01	1500	HCl, HNO3	X	X	X	X	X			1 of the Ambers is 1/4 full	
Trip blank	AQ	VOAs	2	—	—	HCl	X		X						WAM 7/13

Relinquished By:	Date /Time:	Received by:	Date /Time:	Turnaround Time: (Check)	
Adrienne R. Jones	7/13/01 0940	KR Thurston	07.13.01 0940	same day ____	72 hours ____
Relinquished By:	Date /Time:	Received by:	Date /Time:	24 hours ____	5 days ✓
KR Thurston	07.13.01 1110			48 hours ____	normal ____
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:	Sample Integrity: (Check)	
		Laura Morgan	7/13/01 11:10	intact ✓	on ice ✓ 1°

Note: By relinquishing samples to Del Mar Analytical, 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

main File

DEPARTMENT OF ENVIRONMENTAL HEALTH
MONITORING WELL COMPLIANCE/DRILLING INSPECTION REPORT

APN : 469-021-01
PERMIT#W99875
EST.# NONE
INSPECTION DATE: 05/03/2002

RESPONSIBLE PARTY: METROPOLITAN TRANSIT DEVELOPMENT BOARD
ATTN: MR. JIM HECHT
1255 IMPERIAL AVENUE, STE 1000
SAN DIEGO, CA 92101

SITE NAME: MISSION VALLEY LRT PROJECT
SITE ADDRESS: ON STREET-ADJACENT TO 7601 ALVARADO RD
LA MESA, CA
CONSULTANT: EARTH TECH
DRILLING CO: TRI-COUNTY DRILLING, INC

MONITORING WELL	VADOSE WELL	BORING	DESTRUCTION	AIR SPARGE WELL
1				

EXTERIOR	WELL LOCATION NUMBER	MVE-7									
	COVER CONDITION	G									
	PERIMETER SEAL CONDITION	G									
	STRUCTURE DRAINAGE	G									
	SECURED	Y									
INTERIOR	TYPE OF SEAL	C									
	INNER VAULT INTEGRITY	G									
	CASING TYPE	4"									
	LOCKED CAP	Y									
	SEALED CAP	Y									
	LIQUIDS PRESENT	N									

G = Good P = Poor B = Bentonite Y = Yes M = Missing V = Visual Inspection Only
F = Fair C = Concrete S = Soil N = No U = Unable to Locate * = Other

REMARKS: No violations found at time of inspection.

OFFICIAL NOTICE ISSUED
NO

ERNESTO L. PROFETA , (619) 338-2492
ENVIRONMENTAL HEALTH TECHNICIAN

Land and Water Quality Division, Site Assessment & Mitigation Program, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2223

cc: Gregory Delson, Earth Tech

RECEIVED
FEB 04 2002

GARY ERBECK
DIRECTOR

County of San Diego

RICHARD HAAS
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

January 29, 2002

Douglas F. Roff
Earth Tech
9675 Business Park Ave.
San Diego, Ca 92131

Dear Mr. Roff,

WELL PERMIT #W99875 APN: 469-021-01
MISSION VALLEY LRT PROJECT, ADJACENT TO 7601 ALVARADO RD., LA MESA, CA

The Site Assessment and Mitigation Division received well logs for the above referenced site. Please submit with the following items that were not included with your report:

___ 1. Submit $ ___ for the installation of __ additional boring.

_X_ 2. Submit written documentation indicating the type of sealing materials, quantities used, and the date the work was started and date it was completed for all well/boring (s).

___ 3. Submit a site plan indicating the actual location of the monitoring well /boring (s).

___ 4. Submit all soil and/or groundwater sample analytical results.

_X_ 5. Submit a letter of explanation stating why the surface construction was not completed according to standards.

___ 6. Submit monitoring well/boring log (s) and cover letter with official stamp and signature of Registered Geologist, Registered Civil Engineer or Certified Engineering Geologist responsible for the accuracy and completeness of the logs and accompanying data.

___ 7. Submit a detailed "as built" well construction diagram with the type of casing, screened interval, screen slot size, type of filter pack, location and type of seals, and quantities of materials used.

Please submit the above requested information to this department within fourteen (14) working days by mail, fax (619) 338-2377, or e-mail vtavizeh@co.san-diego.ca.us. If you have any questions regarding this letter, please contact me at (619) 338-2223.

Sincerely,

VERONICA TAVIZON, Environmental Health Technician
Site Assessment and Mitigation Program

Original

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

RECEIVED
2001 AUG 13 PM 3 45
D. E. H.
MAILROOM

OFFICE USE ONLY	
PERMIT #W	99875
SAM CASE Y/N #H	
DATE RECEIVED:	
FEE PAID:	

A. RESPONSIBLE PARTY Metropolitan Transit Development Board Phone _____
Mailing Address 1255 Imperial Ave, Suite 1000 City San Diego State CA Zip 92101
Contact Person Jim Hecht Phone _____ ext. _____

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H _____

C. CONSULTING FIRM Earth Tech
Mailing Address 9615 Business Park Ave City San Diego State CA Zip 92131
Registered Professional Gregory W. Dekson Registration # 6983 (RG, RCE, CEG)
Contact Person Gregory Dekson Phone (858) 536-5610 ext. _____

D. DRILLING COMPANY Tri-County Drilling, Inc. C57# 547737 Phone ~~(619) 484-9996~~ (858) 271-0099
Mailing Address 9921 Carmel Mountain Rd #265 City San Diego State CA Zip 92129

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☒ Groundwater	1
☐ Vadose	
☐ Boring	
☐ Other	

NUMBER OF WELLS TO BE DESTROYED #

MATERIALS TO BE USED

CASING
Type PVC
Gauge 40
Diameter 4"
Well Screen Size 0.02
Filter Pack (Specify) Sand #3

SEAL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other

Drilling Method
☐ Auger ☒ Air Rotor
☐ Mud Rotary
☐ Percussion ☐ Other

PROPOSED CONSTRUCTION

Estimated ground water depth 25 ft.

CEMENT SEAL 0 to 52
BENTONITE SEAL 52 to 57
FILTER PACK 57 to 85
PERFORATION 62 to 82

PROPOSED DRILLING DATE ~~6/27/01~~ 7/11/01
NOTE:

For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 6/28/01

Within 30 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

RG/RCE/CEG SIGNATURE _____ DATE 6/28/01

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT #W 49875
SAM CASE Y/N #H
DATE RECEIVED:
FEE PAID:

A. RESPONSIBLE PARTY Metropolitan Transit Development Board Phone
Mailing Address 1255 Imperial Ave, Suite 1000 City San Diego State CA Zip 92101
Contact Person Jim Hecht Phone ext.

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H

C. CONSULTING FIRM Earth Tech
Mailing Address 9675 Business Park Ave City San Diego State CA Zip 92131
Registered Professional Gregory W. Delson Registration # 6983 (RG, RCE, CEG)
Contact Person Gregory Delson Phone (858) 536-5610 ext.

D. DRILLING COMPANY Tri-County Drilling, Inc. C57# 547737 Phone (858) 271-0099 ~~(619) 484-9775~~
Mailing Address 9921 Carmel Mountain Rd #265 City San Diego State CA Zip 92129

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED	MATERIALS TO BE USED		PROPOSED CONSTRUCTION
#	CASING	SEAL	Estimated ground water depth 25 ft.
☒ Groundwater 1	Type PVC	☐ Neat Cement	CEMENT SEAL 0 to 52
☐ Vadose	Gauge 40	☒ Cement & Bentonite	BENTONITE SEAL 52 to 57
☐ Boring	Diameter 4"	☐ Sand-Cement	FILTER PACK 57 to 85
☐ Other	Well Screen Size 0.02	☐ Bentonite	PERFORATION 62 to 82
	Filter Pack (Specify) Sand #3	☐ Other	
NUMBER OF WELLS TO BE DESTROYED #	Drilling Method		PROPOSED DRILLING DATE ~~6/27/01~~ 7/11/01
	☐ Auger ☒ Air Rotor		NOTE:
	☐ Mud Rotary		For wells with multiple completion attach a well construction diagram
	☐ Percussion ☐ Other		

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

* DRILLER'S SIGNATURE [signature] DATE 6/28/01

Within 30 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

RG/RCE/CEG SIGNATURE [signature] DATE 6/28/01

6/29/01
* change driller. Consultant will send pg. w/ original signature.

PERMIT # W99875
A.P.N. 469-021-01
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: MISSION VALLEY LRT PROJECT

SITE ADDRESS: ON STREET ADJACENT TO 7601 ALVARADO ROAD, LA MESA, CA

PERMIT FOR: **INSTALL 1 GROUNDWATER MONITORING WELL**

PERMIT APPROVAL DATE: JUNE 26, 2001

PERMIT EXPIRES ON: OCTOBER 24, 2001

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.
2. All wash water must be contained and disposed of properly.
3. Submit complete laboratory data for both soil and groundwater with the well logs.
4. Submit all the information specified in the 2000 SAM Manual in:

   Section 5, Page 3 (1)

5. All water and soil placed in drums must be labeled and stored as specified in the 2000 SAM Manual in:

   Section 5, Page 7 (5)

6. This office must be given 48 hour notice of any drilling activity on this site. Please contact Marisue Crystal at (619) 338-2339.
7. This office must be given advanced notification of drilling cancellation. Please contact Marisue Crystal at (619) 338-2339.

NOTE: **This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Workplans are required for all unauthorized release - investigations in San Diego County.**

APPROVED BY: **Robert Rapista** DATE: 06/26/01

Notified:_____

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

RECEIVED
01 JUN 13 AM 8 50
D. E. H.
MAILROOM

OFFICE USE ONLY	
PERMIT#:	W 99875
SAM CASE Y/N	H NONE
DATE RECEIVED:	6/13/01
FEE PAID:	CK 1808 $150—

A. RESPONSIBLE PARTY Metropolitan Transit Development Board Phone _____
Mailing Address 1255 Imperial Ave., Suite 1000 City San Diego State CA Zip 92101
Contact Person JIM HECHT Phone _____ ext. _____

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H _____

C. CONSULTING FIRM Earth Tech
Mailing Address 9675 Business Park Ave. City San Diego State CA Zip 92131
Registered Professional Gregory W. Delson Registration # 6983 (RG, RCE, CEG)
Contact Person Gregory Delson Phone (858) 536-5610 ext. _____

D. DRILLING COMPANY THF Drilling Inc. C57# 505990 Phone 909-357-0881
Mailing Address 9431 Resenda Ave City Fontana State CA Zip 92335

REG 06-22-01 13:12 PAUL 245152
CHK $150.00

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☒ Groundwater	1
☐ Vadose	
☐ Boring	
☐ Other	

NUMBER OF WELLS TO BE DESTROYED #

MATERIALS TO BE USED:

CASING
Type PVC
Gauge 40
Diameter 4"
Well Screen Size 0.02
Filter Pack
(Specify) Sand #3

SEAL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other

Drilling Method
☐ Auger ☒ Air Rotor
☐ Mud Rotary
☐ Percussion ☐ Other

PROPOSED CONSTRUCTION
Estimated ground water depth 25 ft.
CEMENT SEAL 0 to 52
BENTONITE SEAL 52 to 57
FILTER PACK 57 to 85
PERFORATION 62 to 82
PROPOSED DRILLING DATE 6/27/01

NOTE:
For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 6/12/01

Within 30 days of completion, I will furnish the Monitoring Well Permit Clerk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

RG/RCE/CEG SIGNATURE _____ DATE 6/12/01

F. SITE INFORMATION

1. ASSESSOR'S PARCEL NUMBER ~~469-021-[redacted]~~ 469-021-02-00
Site Name Mission Valley LRT Project - adj. to Bob Stall Chevrolet
Site Address N/A adj. to 7601 Alvarado Rd City La Mesa Zip

PROPERTY OWNER City of La Mesa Phone
Mailing Address City State Zip
NUMBER OF WELLS 1 TYPE OF WELLS

2. ASSESSOR'S PARCEL NUMBER
Site Name
Site Address City Zip
PROPERTY OWNER Phone
Mailing Address City State Zip
NUMBER OF WELLS TYPE OF WELLS

3. ASSESSOR'S PARCEL NUMBER
Site Name
Site Address City Zip
PROPERTY OWNER Phone
Mailing Address City State Zip
NUMBER OF WELLS TYPE OF WELLS

4. ASSESSOR'S PARCEL NUMBER
Site Name
Site Address City Zip
PROPERTY OWNER Phone
Mailing Address City State Zip
NUMBER OF WELLS TYPE OF WELLS

G. FEES:

FEE CODE	BASE FEE INCLUDES FIRST BORING/WELL	FEE FOR ADDITIONAL
1 Groundwater MW's Vapor Extraction MW's Vadose Wells	$150.00	___ x $150 = ___
2 Boring/Hydropunch Geoprobes, etc.	$150.00	___ x $90 = ___
3 Destruction	$150.00	___ x $140 = ___

total = $150.00

F. SITE INFORMATION

1. ASSESSOR'S PARCEL NUMBER _____
Site Name MISSION CRT PROJECT
Site Address W STREET ADJ TO City _____ Zip _____

PROPERTY OWNER City of La Mesa Right of Way Phone _____
Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS 1 TYPE OF WELLS _____

2. ASSESSOR'S PARCEL NUMBER _____
Site Name _____
Site Address _____ City _____ Zip _____

PROPERTY OWNER _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ TYPE OF WELLS _____

3. ASSESSOR'S PARCEL NUMBER _____
Site Name _____
Site Address _____ City _____ Zip _____

PROPERTY OWNER _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ TYPE OF WELLS _____

4. ASSESSOR'S PARCEL NUMBER _____
Site Name _____
Site Address _____ City _____ Zip _____

PROPERTY OWNER _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ TYPE OF WELLS _____

G. FEES:

FEE CODE	BASE FEE INCLUDES FIRST BORING/WELL	FEE FOR ADDITIONAL
1 Groundwater MW's Vapor Extraction MW's Vadose Wells	$150.00	____ x $150 = ____
2 Boring/Hydropunch Geoprobes, etc.	$150.00	____ x $90 = ____
3 Destruction	$150.00	____ x $140 = ____

total = $150

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

- For well destruction, complete only #1 below.
- Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.
- Well driller must have an active C-57 License and current $2,500 bond with the County.
- Provide a plot plan giving location of property lines, existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.
- If applicable, provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F".
- Provide encroachment/excavation permit and/or traffic control permit for work to be done in street or public right of way.

1. If wells are to be destroyed, provide a description of method of destruction. N/A

2. What is the proposed purpose of the well/boring? Groundwater sampling and evaluation of aquifer characteristics in support of the Mission Valley ~~East~~ Light Rail Transit construction project.

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
All drilling and sampling equipment will be decontaminated prior to drilling each well boring.

4. What field procedures will be utilized to determine if contamination exists? A PID will be used to measure headspace on all soil samples collected.

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?
A PID will be used to screen samples. At a minimum, one soil sample from each well boring will be submitted to a California-certified laboratory for testing.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?
Samples will be analyzed for constituents listed in Section B.4 of Order 96-41 of the RWQCB's General Waste ~~Discharge~~ Permit Requirements

7. How will samples be transported and preserved? Samples will be placed in an ice-filled cooler until analyzed.

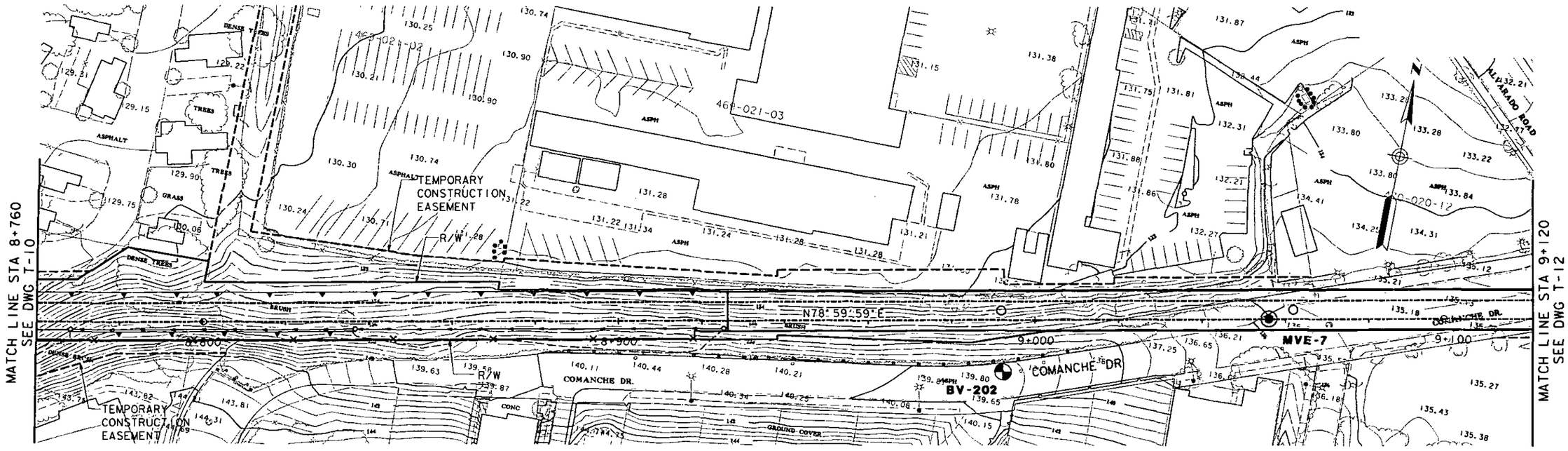
8. What sampling methods will be used? Split-spoon samplers.

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements). If yes, specify these variations.
No.

10. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?
All drilling and sampling equipment will be decontaminated prior to and after each well boring.

11. What methods will be used to clean sampling equipment? A steam cleaner/pressure wash will be used to clean all drilling equipment. A four-stage wash/rinse ~~proc~~ procedure including a final rinse with DI water will be used to clean all sampling equipment.

12. What cleaning method will be used to clean casing and screen prior to installation? New casing will be used in each well and will not be removed from the factory wrapping until installed.



LEGEND

MVE-7	PROPOSED GROUNDWATER PUMP TEST WELL
BV-202	EXISTING GROUNDWATER WELL (KLEINFELDER)
	PROPOSED LIGHT RAIL TRANSIT CORRIDOR

DRAWING SOURCE: MISSION VALLEY DESIGNERS, LA MESA SEGMENT T-11, 12/00

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY
9675 BUSINESS PARK AVENUE SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

PROPOSED GROUNDWATER WELL LOCATION
FOR DEWATERING AREA 7

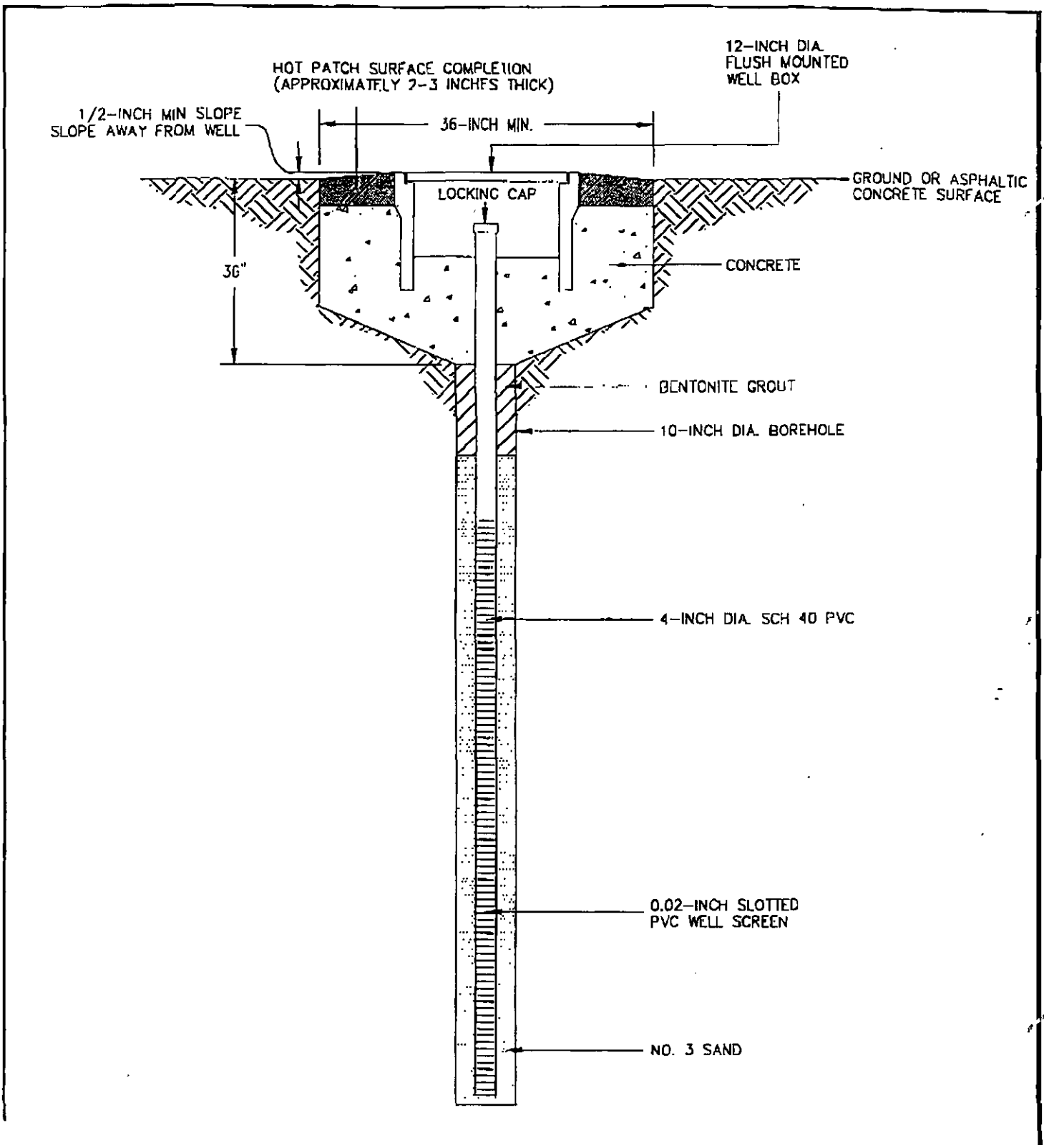
SCALE 1:1000

FIGURE 9

DRAWING NO. -

SHEET NO. -

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80


HOT PATCH SURFACE COMPLETION
(APPROXIMATELY 2-3 INCHES THICK)
12-INCH DIA.
FLUSH MOUNTED
WELL BOX
1/2-INCH MIN SLOPE
SLOPE AWAY FROM WELL
36-INCH MIN.
LOCKING CAP
GROUND OR ASPHALTIC
CONCRETE SURFACE
36"
CONCRETE
BENTONITE GROUT
10-INCH DIA. BOREHOLE
4-INCH DIA. SCH 40 PVC
0.02-INCH SLOTTED
PVC WELL SCREEN
NO. 3 SAND

APPLICATION FOR ENCROACHMENT PERMIT

COMMUNITY DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

City of La Mesa, California
Engineering Division
8130 Allison Ave.
P.O. Box 937
La Mesa, Ca 91944-0937
(619) 667-1166

APPLICANT'S NAME: MTDB *PHONE NO.*
MAILING ADDRESS: 1255 Imperial Ave. Ste. 1090 San Diego CA 92101
JOB ADDRESS: Comanche Rd.

Under the provisions of Chapter 18.16 of the Municipal Code as amended, the city of La Mesa California. I/We hereby request permission to excavate, install public improvements or otherwise work in the public right of way or easement described as follows:
Drawing No./Sketch: One 2 inch groundwater monitoring well to a depth up to 80 feet. The well will be installed in accordance with the County Environmental Health Department permit attached

*In consideration of the granting of this application the Permittee agrees to, and by this instrument does hold the city of La Mesa, its elective a appointive boards, officers, agents and employees harmless from any liability or claims for work done and material furnished upon the propert covered by this permit. Said, permittee further agrees to hold and save harmless the City of La Mesa, its elective and appointive boards, officers, agents and employees harmless from any claim, cause of action, liability or responsibility for any accident, loss or damage to person property caused by the negligence of the Permittee, or happening, arising out of the work undertaken pursuant to this permit, or any other permits that may be granted pursuant thereto.

*It is further agreed that if any part of this installation interferes with the future use of the highway by the general public, it must be removed c relocated as designated by the City Engineer at the expense of the permittee or his successor in interest.

DATE OF PERMIT APPLICATION:	PROPOSED PERMIT EXPIRATION DATE:		
8-18-99		X [signature]	SENIOR TRANSPORTATION ENGINEER
PERMIT AUTHORIZING WORK:		APPLICANT (SIGN)	TITLE

Pursuant to Chapter 18.16 Municipal Code as amended, permission is hereby granted to construct in the public right of way or easement of the Ci of La Mesa as per application and attached sketch/drawing.

NOTICE
* Permittee is to apply for inspection of installation 24 hours in advance of back fill or concrete pour and otherwise as required by the C Engineer (call 667-1166).
* Before excavating Permittee Shall check with utilities for location of existing sub-structures. Call Underground Service Alert at 1-800-4133. Notify two (2) working days (min) before any kind of digging or excavation begins
* All back fill shall be D.G., class 2 material, or as shown on plans.
* Notify the Engineering Division at 667-1166 , 48 hours prior to commencement of any construction operations.

Special Conditions: Work to be done to the City of La Mesa standard dwgs. and specifications, regional standard drawings, A.P.W.A. green book to the satisfaction of the City Engineer.

Traffic Control plan required prior to commencement of construction. (YES) ~~NO~~

		RECEIPT #
E.P. Fee	$ 160.-	4044
Inspection Fee	$ 260.-	"
Cash Deposit/Bond	$ N/A	N/A

City Manager of
THE CITY of LA MES
By [signature]
Office of City Engineer

PERMIT NO.	PERMIT EXPIRES	BOND TYPE
99-141	8.18.02	N/A

Date 8.18.99

This permit is non-transferable. (Note: Attach copy of bond/deposit receipt to the file copy)

~~White Copy - Control file copy; Yellow Copy - Applicant; Pink Copy - Inspector's Copy~~

Agency: CITY OF LA MESA
Address: 8130 ALLISON AVENUE, LA MESA, CA 91941 Phone: 463-6611 Fax: 462-7528

TRAFFIC CONTROL PLAN

JOB LOCATION	BEGIN CROSS STREET	END CROSS STREET	PERMIT NO.
COMANCHE DRIVE	SARANAC AVE	GUAVA	99-141

WORK HOURS	CONTINUOUS	SPEED LIMIT	WORK TO BE DONE
FROM 7:00 A.M. P.M. TO 5:00 P.M.			SOIL BORINGS FOR TROLLEY EXTENSION

START DATE	END DATE	WORK DATE EXTENSION FROM	TO NEW END DATE	WORK DATE EXTENSION FROM	TO NEW END DATE
8/20/99	8/26/99				

WORK DATE EXTENSIONS MUST BE OBTAINED PRIOR TO END DATE

CONTRACTOR	ADDRESS	CITY, STATE, ZIP	TELEPHONE
KLEINFELDER	5015 Shoreham Place	S.D. CA 92122	320-2000

PROJECT CONTACT	24 HOUR TELEPHONE	FAX NUMBER
JASON FORGA / KEVIN GRENNEN	(619) 320-2000	619 320-2001

REQUIREMENTS: *

1. The contractor is responsible for restoring the road back to satisfactory condition which will include, but is not limited to, paving, striping, markings, signing, and loop detection.

2. The agency reserves the right to observe these traffic control plans in operation and to make changes as field conditions warrant.

3. Trench will be backfilled or steel-plated during non-working hours. Steel plates shall have asphaltic ramp on all edges. All dirt, dust, and debris shall be removed from street at end of each day and at the end of the job. The street shall be in drivable condition at all times.

4. Any work that creates an undue safety risk or creates severe congestion will be shut down by the Agency.

5. A copy of all traffic requirements and traffic control plans issued by the Agency must be kept on the job site.

6. Approval of this plan does not constitute an official Permit. Contact the Agency for information on obtaining a permit.

7. All travel lanes will typically be a minimum of 12 feet wide unless otherwise specifically approved by the local jurisdiction.

8. Flashing arrow boards shall be used when required by the local jurisdiction. Steady burn warning lights shall be used to channelize traffic, to separate opposing traffic, and to delineate the path that traffic is to follow.

9. Warning (W) series signs used in work zones shall be black on orange.

10. Cones and pylons shall have yellow reflectorized sleeves along centerline, white reflectorized sleeves along outside shoulder.

THIS TRAFFIC CONTROL PLAN IS NOT VALID UNLESS AN APPLICABLE PERMIT IS ATTACHED

* SUBJECT TO LOCAL AGENCY REQUIREMENTS

SEE ATTACHED SHEET(S) FOR TRAFFIC CONTROL PLAN LAYOUT
STANDARD DRAWINGS MAY BE APPLICABLE

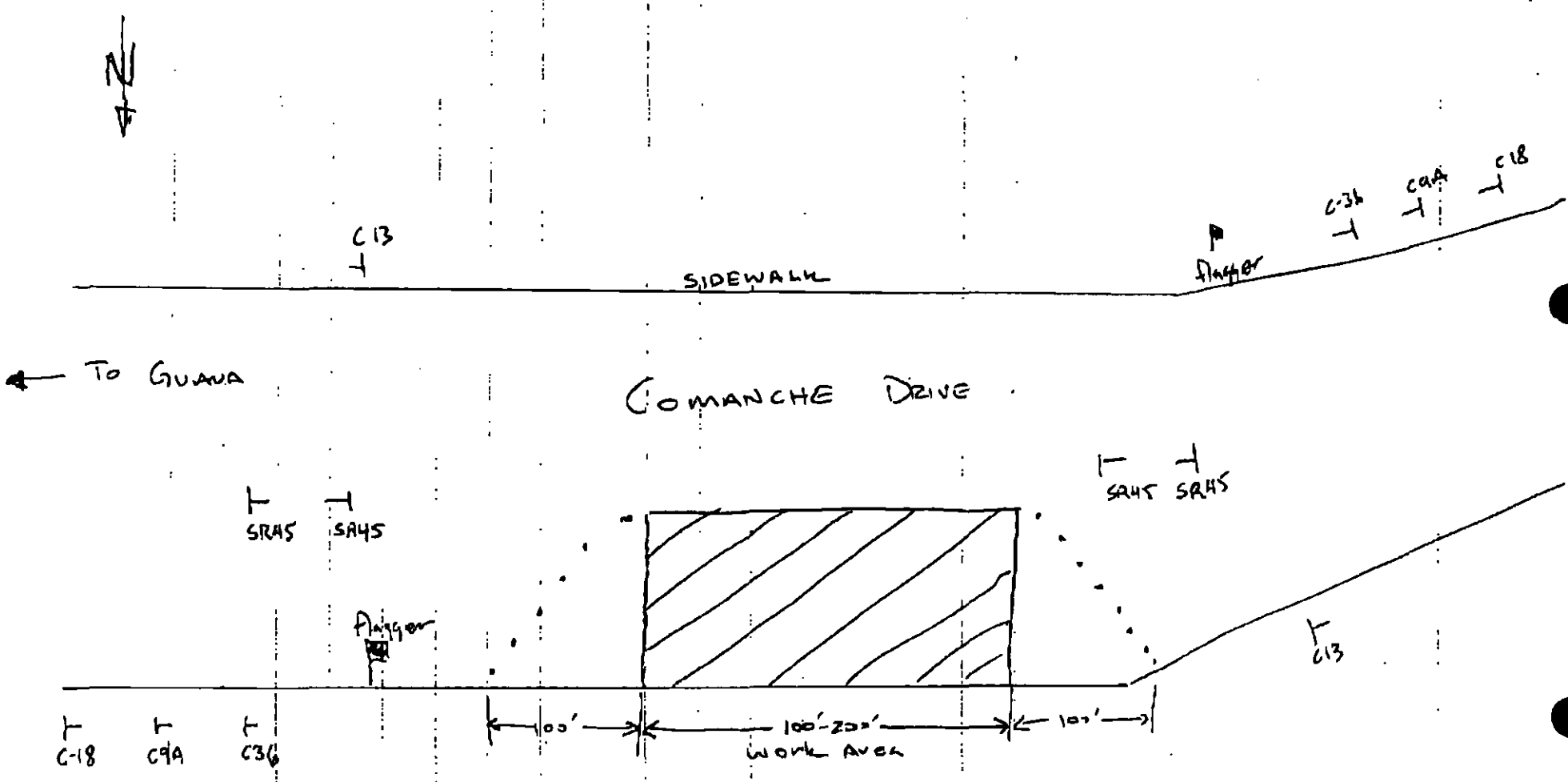
Revision	By	Approved	Date
Drawing			
ORIG.	[signature]		10-9-91

APPENDIX A
SAN DIEGO REGIONAL STANDARD DRAWING

TRAFFIC CONTROL PLAN
COVER SHEET

DRAWING NUMBER TC-5

REVIEWED BY:
[signature] 5-3-99
ENGINEERING DEPT DATE



TRAFFIC CONTROL
COMANCHE DRIVE
LA MESA

FOUR LOCATIONS ALONG COMANCHE,
Traffic control ~~for~~ for each location.

REVIEWED BY:

[signature] 5.5.99

ENGINEERING DEPT. DATE

MTDB
Metropolitan Transit Development Board

1255 Imperial Avenue, Suite 1000
San Diego, CA 92101-7490
(619) 231-1466
FAX (619) 234-3407

June 14, 2001

CIP 426

Mr. Don Palmer
City of La Mesa
Engineering Department
8130 Allison Avenue
La Mesa, California 91941

Dear Mr. Palmer:

Subject: MISSION VALLEY EAST (MVE) LIGHT RAIL TRANSIT (LRT) PROJECT - MODIFICATION OF ENCROACHMENT PERMIT NO. 99-141 GROUNDWATER MONITORING, WELL INSTALLATION, AND PUMP TEST

MTDB requests the modification of the above-mentioned permit to include the installation and pump testing of a groundwater monitoring well near the shoulder of Comanche Drive. MTDB's current Encroachment Permit No. 99-141 (expiration date August 18, 2002) is on file with the City of La Mesa for a previous well installation in the subject area. MTDB wishes to amend the current permit to include the proposed work, as described herein.

The groundwater assessment is being conducted in support of MTDB's MVE LRT construction project. Groundwater sampling and aquifer pump test data are required in order to obtain Regional Water Quality Control Board authorization to discharge groundwater from this area during construction. Earth Tech, Inc. will perform the well installation and pump test on behalf of MTDB. (A description of the proposed work is attached. The well location is shown on Figure 1.) The well will be destroyed, according to County of San Diego Department of Health Services requirements, immediately following completion of the LRT construction project.

Prior to beginning work, Earth Tech, Inc. must submit a well permit application to the County of San Diego, which requires a signed *Property Owner Responsibility Agreement*. The signed agreement authorizes the installation of the monitoring well at the subject property. We respectfully request the rapid return of this agreement, along with a copy of the amended encroachment permit, so that Earth Tech, Inc. may expedite its application for a County of San Diego well permit. Please complete and sign the agreement and return all documents to the attention of Gregory Delson, RG, at Earth Tech, Inc., 9675 Businesspark Avenue, San Diego, California 92131. If you have any questions, please call Mr. Delson at (858) 536-5610.

Sincerely,

James Hecht
Senior Transportation Engineer

JGarde - L-PALMER.JHECHT

Attachments: Encroachment Permit 99-141 – description of additional work
Well location map
Property Owner Responsibility Agreement

Member Agencies:
City of Chula Vista, City of Coronado, City of El Cajon, City of Imperial Beach, City of La Mesa, City of Lemon Grove, City of National City, City of Poway, City of San Diego, City of Santee, County of San Diego, State of California

Metropolitan Transit Development Board is Coordinator of the Metropolitan Transit System and the Taxicab Administration
Subsidiary Corporations: San Diego Transit Corporation, San Diego Trolley, Inc., and San Diego & Arizona Eastern Railway Company

25 years

City of La Mesa Encroachment Permit No. 99-141
Description of Additional Work

Groundwater Monitoring Well Installation
Comanche Drive, City of La Mesa, California

Permit Applicant:	**Metropolitan Transit Development Board (MTDB)** **1255 Imperial Avenue, Suite 1000** **San Diego, CA 92101**
Contact:	**Jim Hecht** **MTDB Project Manager** **(619) 557-9542**
Contractor Performing the Work:	**Earth Tech** **9675 Business Park Avenue** **San Diego, CA 92131-1644** **(858) 536-5610**
Contact:	**Gregory W. Delson** **Project Geologist**
Estimated Start Date:	**June 25, 2001**
Estimated Completion Date:	**July 23, 2001**

WORK DESCRIPTION

Work will consist of:

- Conducting an underground utility search in proposed drilling area
- Installing 1 groundwater monitoring well
- Conducting an aquifer pump test at the well
- Storing pump test discharge water onsite for a period of approximately three weeks, pending sanitary sewer disposal permit approval.

Prior to mobilizing for fieldwork, Underground Service Alert (USA) will be notified. Prior to drilling, the contractor will screen for underground utility lines using a private utility locator.

An approximate 8-inch soil boring will be drilled and sampled and a groundwater monitoring well (MVE-7) will be installed and sampled to assess groundwater quality. Prior to drilling MVE-7, asphalt will be sawcut and removed. The drilling will be conducted using an air rotary drill rig. The groundwater monitoring well will be installed to a depth of approximately 82 feet below ground surface and be constructed with 4-inch PVC pipe. The well will be completed at grade with a flush-mounted well box set in a concrete apron.

Following installation, the well will be pump tested over a maximum of 12 hours, followed by a 12-hour recovery test. Water from MVE-7 will be pumped to an adjacent 21,000-gallon water storage tank. The tank will be placed on the bare, unpaved boulevard area located immediately west of the well location. It is anticipated that approval for discharge of the stored water to the sanitary sewer

can be obtained within three to four weeks upon submitting the discharge permit application. Upon obtaining approval from the Municipal Wastewater Department, the contractor will discharge the water in the temporary storage tank into the sanitary sewer and transport the tank offsite.

A state-certified Engineering Geologist will oversee the work conducted at the site.

TRAFFIC CONTROL

A traffic control plan will be developed and implemented as required by the City of La Mesa. Street encroachment requiring traffic control will be for approximately two to three days between 7:00 a.m. and 6:00 p.m.

WORKER SAFETY

Work will be performed by the contractor's field geologist who has read, and retains on site, a copy of *Safe Work Procedure Groundwater, Surface Water and Aquifer Testing, Mission Valley East Light Rail Transit Construction Areas, San Diego and La Mesa, California*. The safe work procedure was prepared by the contractor's certified Health and Safety Manager. All onsite personnel will be informed of the safety concerns and procedures contained in the document. To protect against high-speed vehicle hazards, personnel will wear traffic safety vests at all times, as well as hard hats and safety-toed boots. The geologist will be equipped with a cellular telephone.

Larval Fish Growth and Survival Test-7 Day Survival

Start Date:	27 Jul-01 16:00	Test ID:	01072708f	Sample ID:	Del Mar 0960-01f
End Date:	03 Aug-01 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	EFF2-Industrial
Sample Date:	26 Jul-01 13:40	Protocol:	EPAF 91	Test Species:	PP-Pimephales promelas
Comments:					

Conc-%	1	2	3	4
D-Control	0.8000	0.9000	0.8000	1.0000
6.25	0.8000	0.9000	0.7000	0.8000
12.5	0.9000	0.9000	0.9000	0.6000
25	0.7500	0.6000	0.8000	0.7000
50	0.9000	1.0000	0.8000	0.7000
100	0.9000	0.8000	0.7000	0.9000

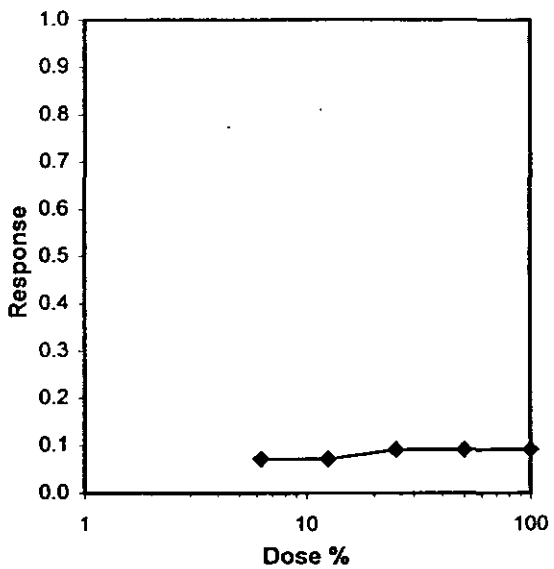
			Transform: Arcsin Square Root					1-Tailed			Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
D-Control	0.8750	1.0000	1.2188	1.1071	1.4120	11.906	4				0.8750	1.0000
6.25	0.8000	0.9143	1.1136	0.9912	1.2490	9.478	4	1.041	2.410	0.2436	0.8125	0.9286
12.5	0.8250	0.9429	1.1583	0.8861	1.2490	15.668	4	0.599	2.410	0.2436	0.8125	0.9286
25	0.7125	0.8143	1.0079	0.8861	1.1071	9.328	4	2.087	2.410	0.2436	0.7958	0.9095
50	0.8500	0.9714	1.1898	0.9912	1.4120	15.281	4	0.287	2.410	0.2436	0.7958	0.9095
100	0.8250	0.9429	1.1491	0.9912	1.2490	10.856	4	0.690	2.410	0.2436	0.7958	0.9095

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.96815	0.884	-0.3017	-0.5291
Bartlett's Test indicates equal variances (p = 0.86)	1.93358	15.0863		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSB	MSE	F-Stat	F-Prob	df
Dunnett's Test	100	>100		1	0.19584	0.02181	0.02043	1.06747	0.41057	5, 18

Log-Logit Interpolation (80 Resamples)

Point	%	SE	95% CL(Exp)	Skew
IC05*	3.2697			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



Reviewed by:

Larval Fish Growth and Survival Test-BIOMASS

Start Date:	27 Jul-01 16:00	Test ID:	01072708f	Sample ID:	Del Mar 0960-01f
End Date:	03 Aug-01 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	EFF2-Industrial
Sample Date:	26 Jul-01 13:40	Protocol:	EPAF 91	Test Species:	PP-Pimephales promelas
Comments:					

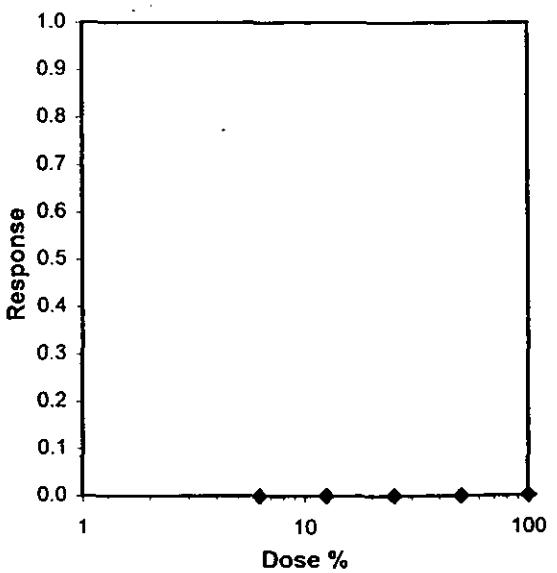
Conc-%	1	2	3	4
D-Control	0.2820	0.2670	0.2820	0.4040
6.25	0.2830	0.4180	0.2360	0.3310
12.5	0.3830	0.2980	0.3120	0.2800
25	0.3850	0.2730	0.3450	0.2550
50	0.3030	0.3420	0.3830	0.3190
100	0.4280	0.2740	0.2460	0.3780

			Transform: Untransformed					1-Tailed			Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
D-Control	0.3088	1.0000	0.3088	0.2670	0.4040	20.694	4				0.3211	1.0000
6.25	0.3170	1.0267	0.3170	0.2360	0.4180	24.512	4	-0.183	2.410	0.1088	0.3211	1.0000
12.5	0.3183	1.0308	0.3183	0.2800	0.3830	14.174	4	-0.210	2.410	0.1088	0.3211	1.0000
25	0.3145	1.0186	0.3145	0.2550	0.3850	19.396	4	-0.127	2.410	0.1088	0.3211	1.0000
50	0.3367	1.0907	0.3367	0.3030	0.3830	10.316	4	-0.620	2.410	0.1088	0.3211	1.0000
100	0.3315	1.0737	0.3315	0.2460	0.4280	25.886	4	-0.504	2.410	0.1088	0.3211	1.0000

Auxiliary Tests					Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)					0.93113		0.884		0.46311	-0.8942
Bartlett's Test indicates equal variances (p = 0.75)					2.6946		15.0863			
Hypothesis Test (1-tail, 0.05)	**NOEC**	**LOEC**	**ChV**	**TU**	**MSDu**	**MSB**	**MSE**	**F-Stat**	**F-Prob**	**df**
Dunnett's Test	100	>100		1	0.10878	0.00046	0.00407	0.11272	0.98802	5, 18

Linear Interpolation (80 Resamples)

Point	%	SE	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



FATHEAD MINNOW LARVAE CHRONIC BIOASSAY

EPA TEST METHOD 1000

Lab No.: A-010727005-0001 Client/ID: DM IKG0960-01

LARVAL SURVIVAL/WEIGHT

EFFLUENT - RAW DATA

		NUMBER LARVAE LIVE / DAY							Final Results			DRY WEIGHT (mg)	
SAMPLE	Rep	1	2	3	4	5	6	7	#test	#dead	%surv	Total Wt.	Tare Wt.
CONTROL	A	10	10	10	9	9	8	8	10	2	80	411.77	405.94
	B	10	10	10	10	10	10	9	10	1	90	418.85	416.14
	C	10	10	10	10	8	8	8	10	2	80	434.88	432.06
	D	10	10	10	10	10	10	10	10	0	100	431.22	427.14
6.25%	A	10	10	10	9	9	8	8	10	2	80	419.92	417.04
	B	10	10	10	10	9	9	9	10	1	90	433.57	429.39
	C	10	10	10	8	8	7	7	10	3	70	433.63	431.27
	D	10	10	10	9	8	8	8	10	2	80	425.87	422.56
12.5%	A	10	10	10	10	10	10	9	10	1	90	371.31	367.46
	B	10	10	10	9	9	9	9	10	1	90	368.75	365.77
	C	10	10	10	9	9	9	9	10	1	90	431.64	424.52
	D	10	10	9	8	7	6	6	10	4	60	430.63	427.43
25.0%	A	10	10	10	9*	7	6	6	10	4	60	373.40	370.32
	B	10	10	9	8	7	7	6	10	4	60	368.77	366.04
	C	10	10	10	8	8	8	8	10	2	80	434.72	431.27
	D	10	10	10	8	7	7	7	10	3	70	429.66	426.61
50.0%	A	10	10	10	9	9	9	9	10	1	90	422.26	419.23
	B	10	10	10	10	10	10	10	10	0	100	425.12	421.70
	C	10	10	10	8	8	8	8	10	2	80	423.78	419.75
	D	10	10	9	8	8	7	7	10	3	70	423.37	420.18
100%	A	10	10	10	10	9	9	9	10	1	90	433.65	429.37
	B	10	10	10	10	10	9	8	10	2	80	430.24	427.50
	C	10	10	9	8	8	7	7	10	3	70	426.53	424.07
	D	10	10	10	9	9	9	9	10	1	90	427.45	423.67

Comments: 413.86 413.90

* two dead on side of beaker → not counted in analysis

[redacted]THEAD MINNOW LARVAE CHRON[redacted] BIOASSAY
EPA TEST METHOD 1000

Lab No.: A0107220 8-001 DM1KG0960-01

Test Start Date: 7-27-01

WATER CHEMISTRIES

		DAY 1		DAY 2		DAY 3		DAY 4		DAY 5		DAY 6		DAY 7	
Examination at:		0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr
Analyst Initials:		[illegible]													
Time of Readings:		1600	1200	1200	1500	1500	1530	1530	1400	1400	1200	1300	1530	1600	1500
CONTROL	DO	8.4	8.0	8.4	7.2	8.4	7.1	8.2	6.6	8.4	7.9	8.5	7.2	8.3	7.6
	pH	7.8	7.9	8.1	8.0	8.0	8.0	7.9	7.7	7.9	7.8	8.0	7.8	7.8	7.7
	TEMP	25.1	24.7	25.0	25.0	24.4	24.9	25.6	25.1	25.6	24.1	24.7	24.5	25.2	24.5
6.25%	DO	8.3	7.9	8.5	7.2	8.3	7.2	8.1	5.4	8.6	7.7	8.7	7.2	8.4	7.6
	pH	7.8	7.9	8.0	8.0	8.0	8.0	7.9	7.7	7.8	7.8	7.9	7.8	7.8	7.7
	TEMP	25.1	24.6	25.2	24.9	24.3	24.8	25.7	25.1	25.7	24.3	24.8	24.5	25.2	24.4
12.5%	DO	8.3	7.8	8.4	7.2	8.2	7.4	8.1	5.6	8.6	7.6	8.8	7.3	8.6	7.2
	pH	7.7	7.9	7.9	8.0	7.9	8.1	7.7	7.7	7.8	7.9	7.9	7.8	7.7	7.7
	TEMP	25.0	24.5	25.2	24.8	24.3	24.7	25.7	25.0	25.7	24.3	24.9	24.5	25.2	24.4
25.0%	DO	8.2	7.8	8.6	7.3	8.3	7.4	8.1	5.7	8.7	7.5	8.8	7.4	8.8	7.5
	pH	7.7	8.0	8.9	8.1	7.8	8.1	7.6	7.7	7.7	7.9	7.8	7.9	7.7	7.8
	TEMP	25.0	24.4	25.1	24.7	24.2	24.7	25.7	25.0	25.6	24.3	24.9	24.4	25.1	24.4
50.0%	DO	8.1	7.8	8.5	7.5	8.3	7.4	8.1	5.2	8.7	7.4	8.9	7.5	9.1	7.5
	pH	7.6	8.1	7.7	8.1	7.7	8.2	7.5	7.8	7.6	8.0	7.7	8.0	7.7	7.9
	TEMP	24.9	24.4	25.1	24.7	24.2	24.7	25.6	25.0	25.6	24.2	25.0	24.4	25.1	24.3
100%	DO	7.8	7.8	8.2	7.5	8.2	7.5	8.3	5.3	8.9	7.0	9.6	7.3	9.6	7.1
	pH	7.5	8.2	7.5	8.3	7.5	8.4	7.4	7.9	7.5	8.2	7.6	8.2	7.6	8.1
	TEMP	24.8	24.5	25.1	24.7	24.1	24.7	25.5	24.9	25.4	24.2	25.3	24.7	24.8	24.3

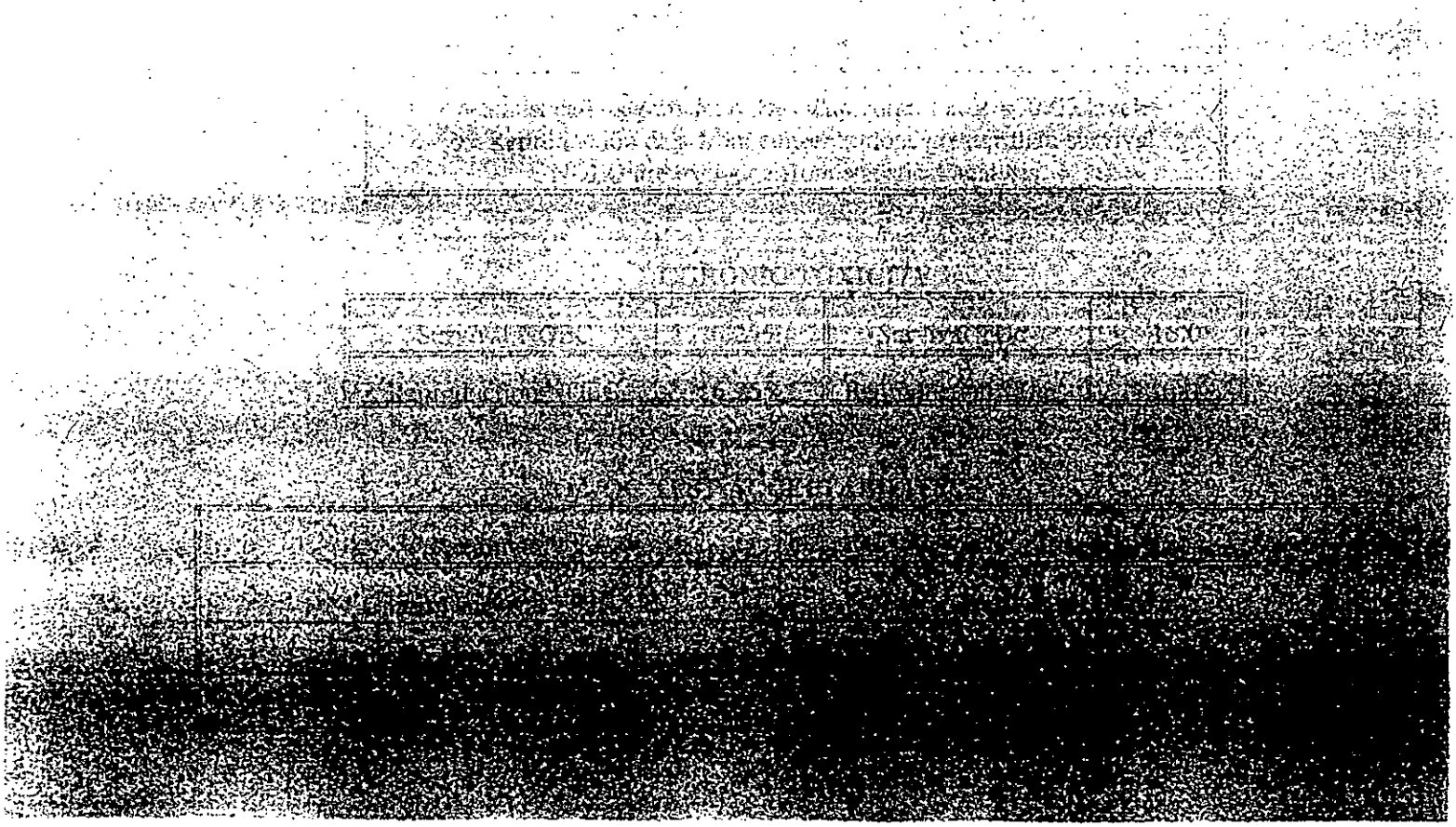
ADDITIONAL WATER CHEMISTRIES

	DAY 1 (new stock)				~~DAY 3 (new stock)~~				~~DAY 5 (new stock)~~			
	Cond	Alk.	Hard.	$TRCl_2$	Cond	Alk.	Hard.	$TRCl_2$	Cond	Alk.	Hard.	$TRCl_2$
CONTROL	351	63	98	0	—	—	—	—	—	—	—	—
100%	2790	150	365	0	—	—	—	—	—	—	—	—

COMMENTS:

CERIODAPHNIA SURVIVAL AND REPRODUCTION TEST

- *Test and Result Summary*
- *Data Summary and Statistical Analysis*
- *Raw Test Data: Water Quality & Test Organism Measurements*



CERIODAPHNIA CHRONIC BIOASSAY
EPA METHOD 1002.0

Lab No.: A-01072708-001
Client/ID: Del Mar IKG0960-01

Date Tested: 07/27/01 to 08/03/01

TEST SUMMARY

Test type: Daily static-renewal.
Species: *Ceriodaphnia dubia.*
Age: < 24 hrs; all released within 4 hrs.
Test vessel size: 30 ml.
Number of test organisms per vessel: 1.
Temperature: 25 +/- 1°C.
Dilution water: Mod. hard reconstituted (MHRW).
QA/QC Batch No.: RT-010727.

Endpoints: Survival and Reproduction.
Source: In-laboratory culture.
Food: .1 ml YTC, algae per day.
Test solution volume: 15 ml.
Number of replicates: 10.
Photoperiod: 16/8 hrs. light/dark cycle.
Test duration: 7 days.
Statistics: ToxCalc computer program.

RESULTS SUMMARY

Sample Concentration	Percent Survival	Mean Number of Young Per Female
Control	100%	33.4
6.25%	100%	26.5 *
12.5%	40% *	3.1 **
25%	0% *	0.0 **
50%	0% *	0.0 **
100%	0% *	0.0 **

* Statistically significantly less than control at P = 0.05 level.
** Reproduction data from concentrations greater than survival NOEC are excluded from statistical analysis.

CHRONIC TOXICITY

Survival NOEC	6.25%	Survival TUc	16.0
Reproduction NOEC	<6.25%	Reproduction TUc	>16.0

QA/QC TEST ACCEPTABILITY

Parameter	Result
Control survival ≥80%	Yes (100%)
≥15 young per surviving control female	Yes (33.4 young)
≥60% surviving controls had 3 broods	Yes (100%)

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date:	27 Jul-01 16:00	Test ID:	01072708c	Sample ID:	Del Mar IKG0960-01
End Date:	03 Aug-01 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	EFF2-Industrial
Sample Date:	27 Jul-01 00:00	Protocol:	EPAF 91	Test Species:	CD-Ceriodaphnia dubia
Comments:					

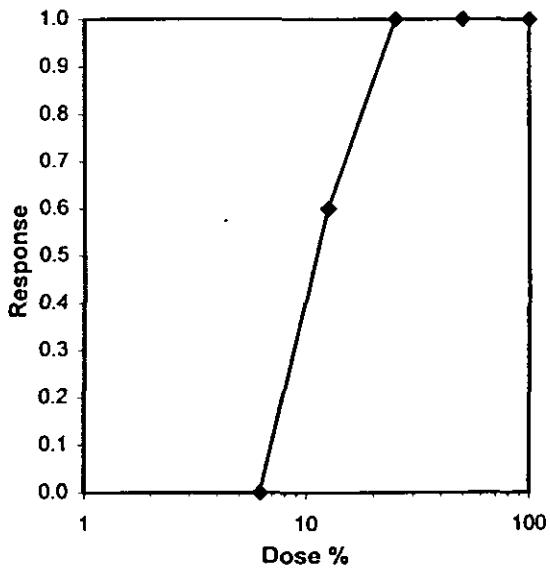
Conc-%	1	2	3	4	5	6	7	8	9	10
D-Control	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5	0.0000	1.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	1.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Conc-%	Mean	N-Mean	Resp	Not Resp	Total	N	Fisher's Exact P	1-Tailed Critical	Isotonic Mean	Isotonic N-Mean
D-Control	1.0000	1.0000	0	10	10	10			1.0000	1.0000
6.25	1.0000	1.0000	0	10	10	10	1.0000	0.0500	1.0000	1.0000
*12.5	0.4000	0.4000	6	4	10	10	0.0054	0.0500	0.4000	0.4000
25	0.0000	0.0000	10	0	10	10			0.0000	0.0000
50	0.0000	0.0000	10	0	10	10			0.0000	0.0000
100	0.0000	0.0000	10	0	10	10			0.0000	0.0000

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Fisher's Exact Test	6.25	12.5	8.83883	16

Log-Logit Interpolation (80 Resamples)

Point	%	SE	95% CL		Skew
IC05	9.871	0.295	9.471	10.551	0.3646
IC10	10.409	0.346	9.940	11.211	0.3726
IC15	10.756	0.381	10.241	11.638	0.3775
IC20	11.023	0.408	10.473	11.970	0.3812
IC25	11.249	0.431	10.669	12.250	0.3842
IC40	11.810	0.482	11.153	12.894	0.3245
IC50	12.151	0.509	11.445	13.266	0.2706



Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	27 Jul-01 16:00	Test ID:	01072708c	Sample ID:	Del Mar IKG0960-01
End Date:	03 Aug-01 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	EFF2-Industrial
Sample Date:	27 Jul-01 00:00	Protocol:	EPAF 91	Test Species:	CD-Ceriodaphnia dubia

Comments:

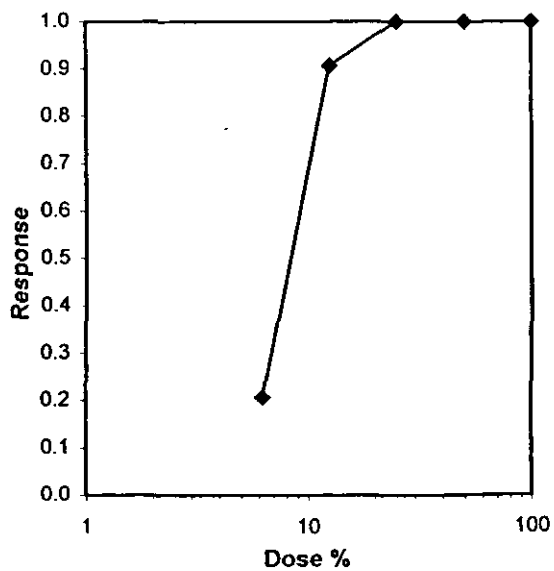
Conc-%	1	2	3	4	5	6	7	8	9	10
D-Control	23.000	35.000	33.000	36.000	35.000	30.000	42.000	34.000	41.000	25.000
6.25	22.000	25.000	34.000	21.000	25.000	35.000	17.000	24.000	23.000	39.000
12.5	0.000	12.000	0.000	0.000	10.000	5.000	0.000	0.000	4.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

			Transform: Untransformed					1-Tailed			Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
D-Control	33.400	1.0000	33.400	23.000	42.000	18.250	10				33.400	1.0000
*6.25	26.500	0.7934	26.500	17.000	39.000	26.639	10	2.339	1.734	15.084	26.500	0.7934
12.5	3.100	0.0928	3.100	0.000	12.000	147.786	10				3.100	0.0928
25	0.000	0.0000	0.000	0.000	0.000	0.000	10				0.000	0.0000
50	0.000	0.0000	0.000	0.000	0.000	0.000	10				0.000	0.0000
100	0.000	0.0000	0.000	0.000	0.000	0.000	10				0.000	0.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.96301	0.868	0.25494	-0.6399
F-Test indicates equal variances (p = 0.67)	1.34121	6.54109		
Hypothesis Test (1-tail, 0.05)				
Homoscedastic t Test indicates significant differences				

Linear Interpolation (80 Resamples)

Point	%	SE	95% CL		Skew
IC05*	1.5127	0.8052	0.8481	3.2735	3.1488
IC10*	3.0254	1.1717	1.6962	6.2821	1.2113
IC15*	4.5380	1.2356	2.5443	6.6486	0.3102
IC20*	6.0507	1.0666	3.3924	7.0150	-0.4470
IC25	6.6373	0.8220	4.2405	7.4466	-1.0288
IC40	7.9754	0.5109	6.6273	8.7617	-0.6323
IC50	8.8675	0.4406	7.8239	9.5832	-0.5617



CERIODAPHNIA REPRODUCTION AND SURVIVAL

EFFLUENT (Part I) - RAW DATA

Lab No.: A-01073708-001 Client/ID: DM IE40960-01

Sample	DAY	Number of Young Produced/Replicate										Total Live Young	No. Live Adults	Young per Adult ♀	Analyst Initials
		A	B	C	D	E	F	G	H	I	J				
CONTROL	1	0	0	0	0	0	0	0	0	0	0	0	10	0	
	2	0	0	0	0	0	0	0	0	0	0	0	10	0	
	3	2	2	3	3	4	2	3	2	2	4	27	10	2.7	
	4	0	4	3	0	0	3	0	0	3	0	13	10	1.3	
	5	14	0	4	8	10	3	12	9	8	11	75	10	7.5	
	6	10	15	11	12	11	10	13	10	16	10	118	10	11.8	
	7	1	14	12	13	10	12	14	13	12	0	101	10	10.1	
	Total	23	35	33	36	35	30	42	34	41	25	334	10	33.4	
6.2% Eff.	1	0	0	0	0	0	0	0	0	0	0	0	10	0	
	2	0	0	0	0	0	0	0	0	0	0	0	10	0	
	3	2	3	0	2	2	3	0	2	2	0	16	10	1.6	
	4	0	0	4	3	4	0	3	0	0	4	18	10	1.8	
	5	6	12	14	8	6	10	4	8	9	10	87	10	8.7	
	6	2	0	0	8	13	0	10	6	2	15	66	10	6.6	
	7	12	10	16	0	0	12	0	8	10	10	78	10	7.8	
	Total	22	25	34	21	25	35	17	24	23	39	265	10	26.5	
12.5% Eff.	1	0	0	0	0	0	0	0	0	0	0	0	10	0	
	2	0	0	0	0	0	0	0	0	0	0	0	10	0	
	3	X	0	0	X	0	0	0	0	0	0	0	8	0	
	4	-	0	X	-	0	3	X	0	2	0	5	6	0.5	
	5	-	8	-	-	0	0	-	0	0	X	8	5	0.8	
	6	-	4	-	-	2	0	-	X	0	-	6	4	0.6	
	7	-	0	-	-	8	2	-	-	2	-	12	4	1.2	
	Total	0	12	0	0	10	5	0	0	4	0	31	4	3.1	

COMMENTS: X - dead adult.

CERIODAPHNIA REPRODUCTION AND SURVIVAL

EFFLUENT (Part II) - RAW DATA

Lab No.: A-01072708-001 Client/ID: DelMar 1FG0960-01

Sample	DAY	Number of Young Produced/Replicate										Total Live Young	No. Live Adults	Young per Adult ♀	Analyst Initials
		A	B	C	D	E	F	G	H	I	J				
25% Eff.	1	X	X	X	X	0	0	0	0	X	X	0	4	0	
	2	-	-	-	-	0	0	X	0	-	-	0	3	0	
	3	-	-	-	-	X	X	-	X	-	-	0	0	0	
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	
50% Eff.	1	X	0	0	X	X	0	X	X	X	X	0	3	0	
	2	-	0	0	-	-	X	-	-	-	-	0	2	0	
	3	-	X	X	-	-	-	-	-	-	-	0	0	0	
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	
100% Eff.	1	X	X	X	0	0	0	X	X	X	0	0	3	0	
	2	-	-	-	0	X	X	-	-	-	X	0	1	0	
	3	-	-	-	X	-	-	-	-	-	-	0	0	0	
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	

COMMENTS: X - dead adult.

CERIODAPHNIA CHRONIC WATER CHEMISTRIES RAW DATA

Lab. No.: A-010220 8-001
DM 1KG 0960-01

Start Date: 7-22

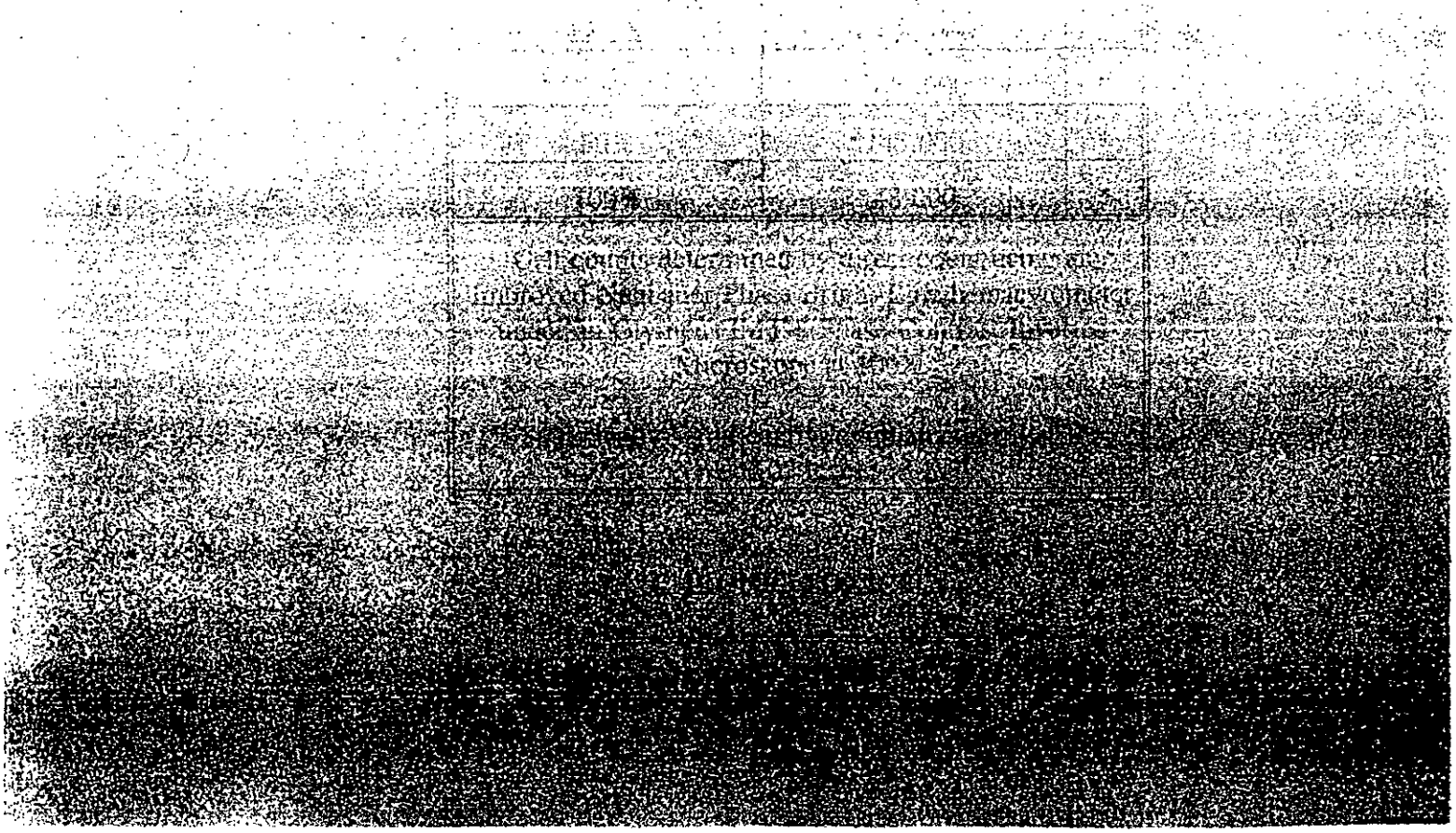
		DAY 1		DAY 2		DAY 3		DAY 4		DAY 5		DAY 6		DAY 7	
Examination at:		0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr
Analyst Initials:															
Time of Readings:		1630	1430	1430	1500		1500	1500	1434	1430	1530	1530	1520	1520	1530
Control	DO	8.4	8.1	8.5	8.2	8.1	8.1	8.2	8.0	8.2	8.0	7.6	8.1	8.3	8.1
	pH	7.8	8.0	8.1	8.1	8.1	8.1	8.0	7.9	7.9	8.0	7.9	8.0	8.0	8.0
	TEMP	25.5	25.7	25.6	25.4	25.4	25.3	25.7	25.7	25.7	25.0	25.2	25.0	25.2	24.9
6.25%	DO	8.4	8.1	8.5	8.3	8.3	8.1	8.3	8.0	8.3	7.9	7.6	8.1	8.4	8.2
	pH	7.8	8.0	8.1	8.1	8.0	8.0	7.9	7.9	7.8	7.9	7.8	8.0	8.0	8.0
	TEMP	25.5	25.7	25.6	25.6	25.4	25.4	25.8	25.7	25.7	25.1	25.2	25.1	25.3	25.1
12.5%	DO	8.2	8.1	8.4	8.3	8.3	7.9	8.2	8.1	8.3	7.9	7.6	8.1	8.2	8.4
	pH	7.8	8.0	7.9	8.1	7.9	8.0	7.9	7.9	7.8	7.9	7.8	8.0	7.8	8.0
	TEMP	25.5	25.6	25.4	25.8	25.4	25.6	25.7	25.8	25.7	25.1	25.2	25.1	25.3	25.2
25%	DO	8.2	8.0	8.4	8.2	8.3	—	—	—	—	—	—	—	—	—
	pH	7.7	7.9	7.8	8.1	7.8	—	—	—	—	—	—	—	—	—
	TEMP	25.4	25.6	25.4	25.7	25.3	—	—	—	—	—	—	—	—	—
50%	DO	8.0	8.1	8.2	8.2	8.2	—	—	—	—	—	—	—	—	—
	pH	7.5	8.0	7.7	8.0	7.7	—	—	—	—	—	—	—	—	—
	TEMP	25.4	25.6	25.4	25.6	25.2	—	—	—	—	—	—	—	—	—
100%	DO	7.8	8.3	8.0	8.3	8.1	—	—	—	—	—	—	—	—	—
	pH	7.4	8.2	7.5	8.0	7.5	—	—	—	—	—	—	—	—	—
	TEMP	25.3	25.6	25.3	25.7	25.1	—	—	—	—	—	—	—	—	—

ADDITIONAL WATER CHEMISTRIES

	DAY 1 (new stock)				~~DAY 3 (new stock)~~				~~DAY 5 (new stock)~~			
	Cond.	Alk.	Hard.	Cl_2	Cond.	Alk.	Hard.	Cl_2	Cond.	Alk.	Hard.	Cl_2
CONTROL	351	63	98	~~0~~	—	—	—	—	—	—	—	—
100%	2290	150	365	~~0~~	—	—	—	—	—	—	—	—

SELENASTRUM GROWTH TEST

- *Test and Result Summary*
- *Data Summary and Statistical Analysis*
- *Raw Test Data: Water Quality & Test Organism Measurements*



SELENASTRUM ALGAL GROWTH TOXICITY TEST
EPA METHOD 1003

Lab No.: A-01072708-001
Client I.D.: Del Mar IKG0960-01

Date tested: 07/27/01 - 07/31/01

TEST SUMMARY

Species: *Selenastrum capricornutum*.
Test type: Static.
Test chamber: 125 ml Erlenmeyer flasks.
Initial cell density: 10,000 cells/ml.
Environment: Incubator.
Photoperiod: Continuous.
Measurement: Direct cell count.
QA/QC Batch No.: RT-010727.

Source: In-lab culture.
Endpoints: Growth after 96 hrs.
Test solution volume: 50 ml.
Number of replicates: 4.
Temp.: 25 +/- 1°C.
Shaking rate: Twice daily.
Instrument: Hemacytometer.
Statistics: ToxCalc computer program.

RESULTS SUMMARY

SAMPLE CONCENTRATION	ALGAL CELL COUNTS / ML	
Control	1,148,000	
6.25%	1,278,000	
12.5%	1,492,000	
25%	548 ,000	*
50%	145,000	*
100%	48,000	*

Cell counts determined by direct count using an Improved Neubauer Phase Bright-Line hemacytometer under an Olympus IMT-2 Phase-Contrast Inverted Microscope at 100X.

* Statistically significantly less than control at P = 0.05 level

CHRONIC TOXICITY

NOEC	12.5%
TUc	8.0

Phytoplankton Test-Growth-Cell Density

Start Date:	27 Jul-01 15:00	Test ID:	01072708s	Sample ID:	Del Mar IKG0960-01
End Date:	31 Jul-01 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	EFF2-Industrial
Sample Date:	26 Jul-01 13:40	Protocol:	EPAF 91	Test Species:	SC-Selenastrum capricornutum
Comments:					

Conc-%	1	2	3	4
D-Control	1.1600	1.0100	1.3400	1.0800
6.25	1.3600	1.3500	1.1600	1.2400
12.5	1.4800	1.5800	1.4200	1.4900
25	0.6500	0.4300	0.6600	0.4500
50	0.1600	0.1300	0.1600	0.1300
100	0.0400	0.0500	0.0550	0.0450

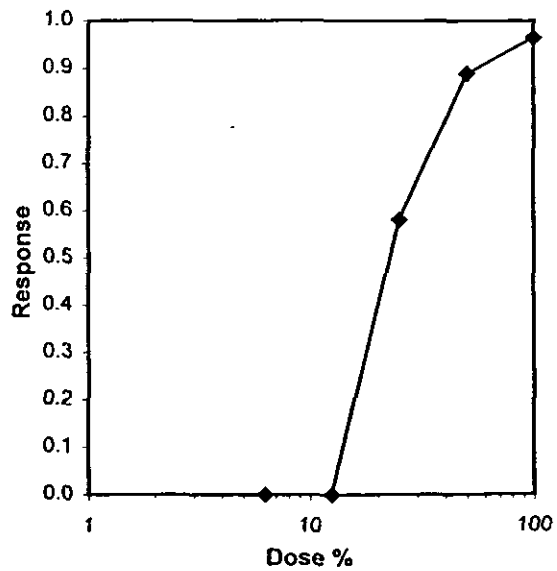
			Transform: Untransformed					Rank	1-Tailed	Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	Mean	N-Mean
D-Control	1.1475	1.0000	1.1475	1.0100	1.3400	12.393	4			1.3058	1.0000
6.25	1.2775	1.1133	1.2775	1.1600	1.3600	7.464	4	23.50	10.00	1.3058	1.0000
12.5	1.4925	1.3007	1.4925	1.4200	1.5800	4.423	4	26.00	10.00	1.3058	1.0000
*25	0.5475	0.4771	0.5475	0.4300	0.6600	22.733	4	10.00	10.00	0.5475	0.4193
*50	0.1450	0.1264	0.1450	0.1300	0.1600	11.945	4	10.00	10.00	0.1450	0.1110
*100	0.0475	0.0414	0.0475	0.0400	0.0550	13.589	4	10.00	10.00	0.0475	0.0364

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.95997	0.884	0.34132	0.16127
Bartlett's Test indicates unequal variances (p = 1.13E-03)	20.2305	15.0863		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	12.5	25	17.6777	8

Linear Interpolation (80 Resamples)

Point	%	SE	95% CL(Exp)		Skew
IC05	13.576	0.089	13.351	13.915	0.5169
IC10	14.652	0.178	14.202	15.330	0.5169
IC15	15.729	0.266	15.054	16.744	0.5169
IC20	16.805	0.355	15.905	18.159	0.5169
IC25	17.881	0.444	16.756	19.574	0.5169
IC40	21.110	0.711	19.310	23.819	0.5169
IC50	23.262	0.952	21.012	27.551	0.8616



SELENASTRUM GROWTH TOXICITY TEST
EPA METHOD 1003



Lab. No.: A-01072708-001 Client/ID: DelMar 1KG0960-0

RAW DATA READINGS

Sample Conc.	Rep No.	Cell Counts A	B	Mean	Sample Conc.	Rep No.	Cell Counts A	B	Mean	Sample Conc.	Rep No.	Cell Counts A	B	Mean
CONTROL	A	117	115	116	12.5%	A	130	167	148	50%	A	12	21	16
CONTROL	B	106	96	101	12.5%	B	171	145	158	50%	B	15	11	13
CONTROL	C	140	129	134	12.5%	C	152	131	142	50%	C	13	19	16
CONTROL	D	102	113	108	12.5%	D	160	138	149	50%	D	12	14	13
6.2%	A	135	141	136	25%	A	71	55	65	100%	A	6	2	4
6.2%	B	118	152	135	25%	B	41	45	43	100%	B	3	7	5
6.2%	C	120	112	116	25%	C	69	63	66	100%	C	8	3	5.5
6.2%	D	115	133	124	25%	D	59	31	45	100%	D	4	5	4.5

Comments: Effluent conc. in % effluent.
Stock: 1,000,000 cells/ml = 4 cells per medium size square on hemacytometer.
Add 0.5 ml stock per 50 ml test solution.

Final control mean cell count: 1,148,000 cells/ml;
(1 cell per counting field = 10,000 cells per ml)
Control variability: 12.4 % (coefficient of variability = (SD/mean)·100%).
Test acceptability criteria: >200,000 cells/ml in control with <20% variability.

INITIAL WATER CHEMISTRIES

CONC.	pH	COND.	Alk.	Hard.
CONTROL	7.5	107	14	20
6.2%	7.6	260	20	39
25%	7.4	653	82	115
100%	7.5	2300	150	368

Initial Sample Prep.: Date: 7-27-01 Time: 15:00 Analyst: _____

Final Cell Count: Date: 7-31-01 Time: 15:00 Analyst: _____

CHAIN OF CUSTODY

SUBCONTRACT ORDER

Del Mar Analytical, Irvine

IKG0960

SENDING LABORATORY:	RECEIVING LABORATORY:
Del Mar Analytical, Irvine	Aquatic Testing Laboratories-SUB
2852 Alton Parkway	4350 Transport Street, Unit 107
Irvine, CA 92606	Ventura, CA 93003
Phone: (949) 261-1022	Phone :(805) 650-0546
Fax: (949) 261-1228	Fax: (805) 650-0756
Project Manager: Patty Mata	

Copy/Relog from IKG0685. Use 8260 test code for 624 request.

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: IKG0960-01	**Water**	**Sampled: 07/26/01 13:40**	[redacted]	2-5gal Bioassay
Bioassay-7 dy Chrnic	08/06/01 15:00	08/02/01 13:40		3 species Freshwater, sub to Aquatic TL
Bioassay-Acute 96hr	08/06/01 15:00	08/02/01 13:40		LC50 Fathead minnow, sub to Aquatic TL

Released By	Date	Received By	Date
Laura Morgan	7/27/01 8:38	Jesa Kinji	7/27/01
Jesa Kinji	7/27/01	[signature] ATL	7-27-01 13:30

Aquatic
Testing
Laboratories

REFERENCE TOXICANT DATA

FATHEAD MINNOW ACUTE BIOASSAY

- *Test and Result Summary & Raw Test Data*
- *Data Summary and Statistical Analysis*

JUVENILE FATHEAD MINNOW
REFERENCE TOXICANT BIOASSAY

QA/QC Batch No.: RT-010706

TEST SUMMARY

Species: Pimephales promelas.
Fish length (mm): av: 11 ; min: 10 ; max: 13 .
Fish weight (gm): av: .02 ; min: .01 ; max: .03 .
Test Protocol: EPA 600/4-85/013.
Temperature: 20 +/- 2°C.
Test chamber: 1 liter glass beaker.
Aeration: none unless DO drops below 4.0 mg/l.
Reference toxicant: SDS (sodium dodecylsulfate).
Photoperiod: 16/8 hrs light/dark.

Source: In-lab culture.
Age: 21 days (1-90).
Test type: static.
Endpoints: LC50 at 96 hrs.
Test solutions volume: 1 liter.
Number of replicates: 1.
Number of fish per chamber: 10.
Acclimation/dilution water: MHSF.
Light intensity: ambient lab levels.

TEST DATA

	INITIAL			24 Hr				48 Hr				72 Hr				96 Hr			
DATE & TIME:	7-6-1 1200			7-7-01 1200				7-8-01 1100				7-9-01 1100				7-10-01 1200			
Analyst:																			
	°C	DO	pH	°C	DO	pH	#D	°C	DO	pH	#D	°C	DO	pH	#D	°C	DO	pH	#D
CONTROL	20.8	8.4	8.2	20.7	7.5	7.8	0	20.1	7.1	8.0	0	20.5	7.4	7.9	0	20.5	7.0	7.6	0
2.0	20.8	8.3	8.2	20.7	7.5	7.8	0	20.0	7.0	8.0	0	20.5	7.2	7.8	0	20.5	7.0	7.7	0
3.0	20.8	8.4	8.2	20.7	7.4	7.7	0	20.1	6.9	8.0	0	20.5	7.1	7.7	0	20.5	7.0	7.7	0
4.0	20.8	8.4	8.2	20.7	7.4	7.7	1	20.1	6.5	7.9	3	20.5	7.0	7.7	0	20.5	6.9	7.7	0
5.0	20.9	8.4	8.1	20.7	7.3	7.7	8	20.1	6.0	7.4	1	20.5	6.9	7.7	0	20.5	6.9	7.7	0
6.0	20.9	8.4	8.1	20.7	7.2	7.7	10	—	—	—	—	—	—	—	—	—	—	—	—

Comments:
Control/dilution water: Alkalinity: 64 mg/l Hardness: 92 mg/l
SDS concentrations in mg/l.

RESULTS

LC50: 4.2 mg/l 95% Confidence Limits: 3.7 ≤ u ≤ 4.6 mg/l

LC50 Method: Probit X Trimmed Spearman-Karber NA Graphical NA

Acute Fish Test-96 Hr Survival

Start Date:	06 Jul-01 12:00	Test ID:	RT-010706f	Sample ID:	REF-Ref Toxicant
End Date:	10 Jul-01 12:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	06 Jul-01 00:00	Protocol:	EPAA 91-EPA Acute	Test Species:	PP-Pimephales promelas
Comments:					

Conc-mg/L	1
D-Control	1.0000
2	1.0000
3	1.0000
4	0.6000
5	0.1000
6	0.0000

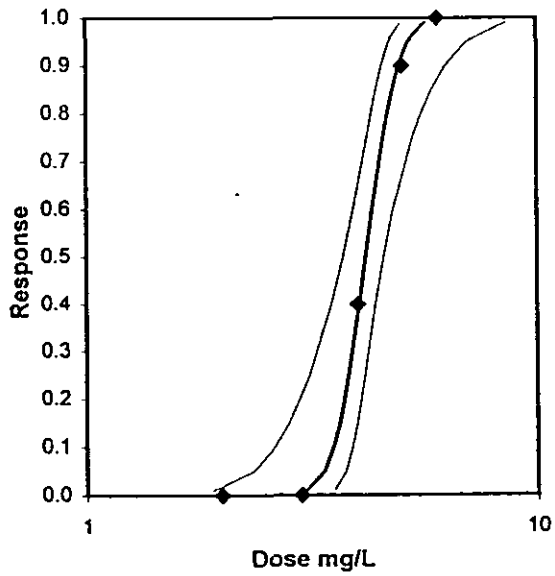
			Transform: Arcsin Square Root					Number	Total
Conc-mg/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Resp	Number
D-Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	1	0	10
2	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	1	0	10
3	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	1	0	10
4	0.6000	0.6000	0.8861	0.8861	0.8861	0.000	1	4	10
5	0.1000	0.1000	0.3218	0.3218	0.3218	0.000	1	9	10
6	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	1	10	10

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Normality of the data set cannot be confirmed				
Equality of variance cannot be confirmed				

Maximum Likelihood-Probit

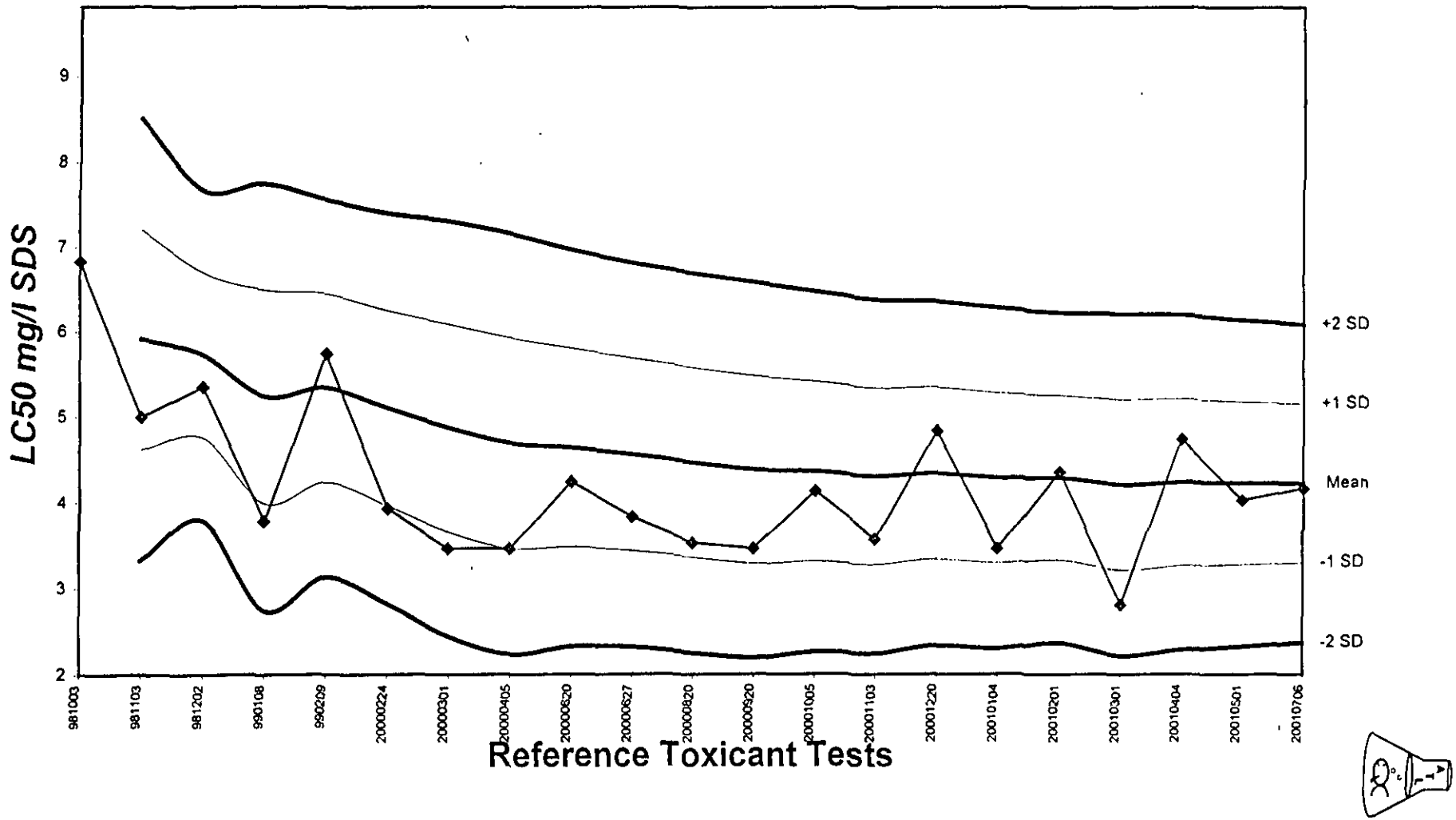
Parameter	Value	SE	95% Fiducial Limits		Control	Chi-Sq	Critical	P-value	Mu	Sigma	Iter
Slope	17.6867	5.29726	7.30403	28.0693	0	0.156	11.3449	0.98	0.62038	0.05654	4
Intercept	-5.9724	3.35559	-12.549	0.60457							
TSCR											

Point	Probits	mg/L	95% Fiducial Limits	
EC01	2.674	3.08209	1.90581	3.53617
EC05	3.355	3.36804	2.34912	3.76088
EC10	3.718	3.53116	2.62141	3.89352
EC15	3.964	3.64567	2.81917	3.99069
EC20	4.158	3.73931	2.98365	4.07412
EC25	4.326	3.82156	3.12899	4.15158
EC40	4.747	4.03694	3.50252	4.38429
EC50	5.000	4.17231	3.71985	4.56528
EC60	5.253	4.31222	3.91906	4.79206
EC75	5.674	4.55525	4.1976	5.28891
EC80	5.842	4.65545	4.29251	5.52704
EC85	6.036	4.77503	4.39545	5.83192
EC90	6.282	4.92987	4.51692	6.25554
EC95	6.645	5.16864	4.68741	6.96398
EC99	7.326	5.64817	4.99631	8.56493



Juvenile Fathead Minnow Acute Laboratory Control Chart

CV% = 22.0



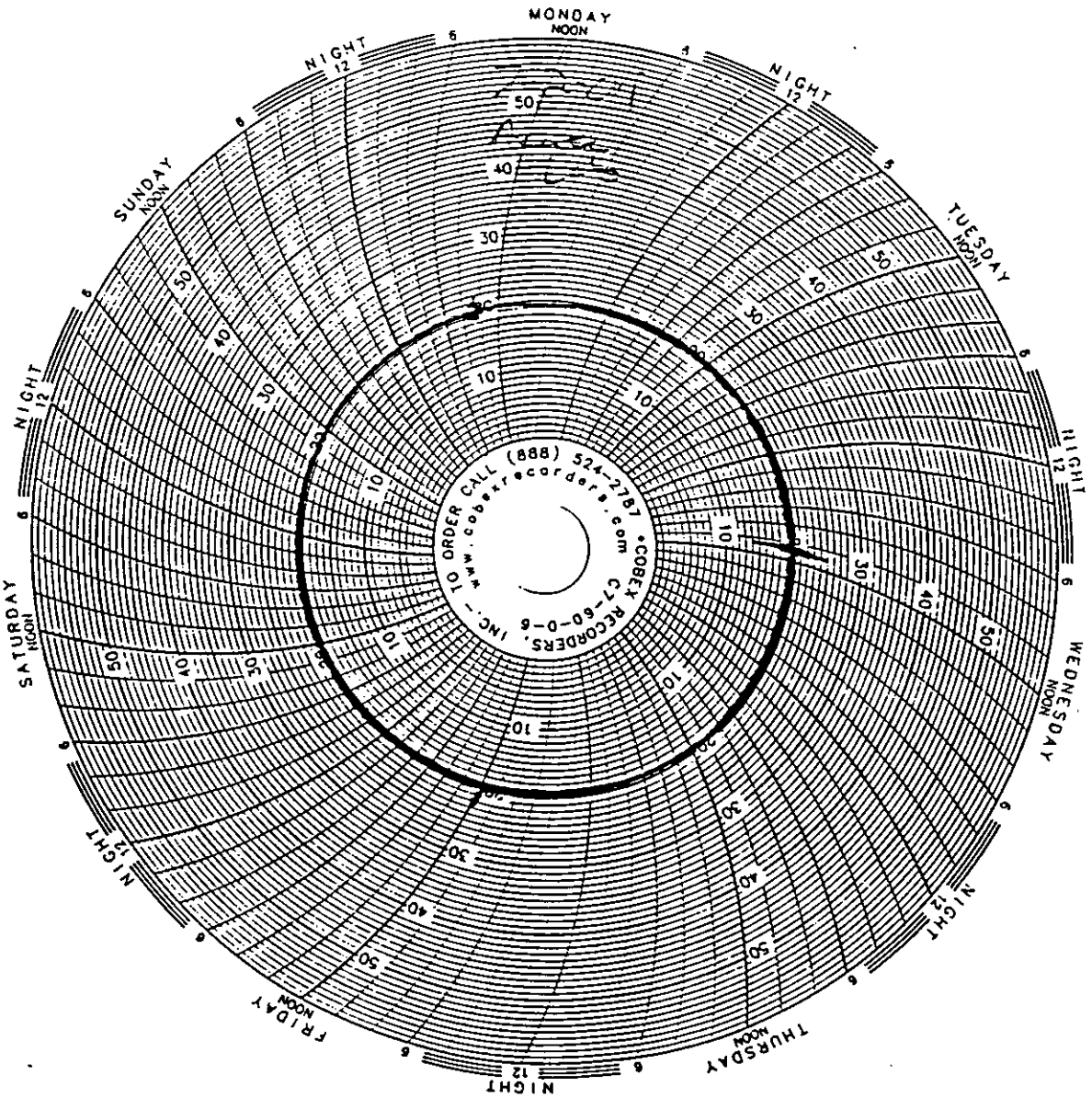
Aquatic Testing Laboratories

BIOASSAY LABORATORY TEMPERATURE CHART

Lab No.: AT-010706

Date Beginning: 2/6/01 Ending: 2/10/01

Acceptable range: 20 +/- 1 °C. (66 to 70°F)



FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

- *Test and Result Summary*
- *Data Summary and Statistical Analysis*
- *Raw Test Data: Water Quality & Test Organism Measurements*

FATHEAD MINNOW LARVAE CHRONIC BIOASSAY
EPA METHOD 1000.0
REFERENCE TOXICANT - SDS

QA/QC Batch No.: RT-010727
Date Tested: 07/27/01 - 08/03/01

TEST SUMMARY

Species: *Pimephales promelas*.
Test type: Static renewal (90% daily).
Age: < 24 hrs.
Test chamber size: 600 ml.
Number of larvae per chamber: 10.
Dilution water: Mod.hard reconstituted (MHRW).
Temperature: 25 +/- 1°C.
Statistics: ToxCalc computer program.

Source: In-lab culture.
Endpoints: Survival and Growth.
Food:.15ml brine shrimp nauplii 2X daily.
Test solution volume: 250 ml.
Number of replicates: 3.
Test duration: 7 days.
Photoperiod: 16/8 hrs. light/dark cycle.
Ref. Tox.: Sodium dodecyl sulfate.

RESULTS SUMMARY

Sample Concentration	Percent Survival		Mean Weight of Larvae (Biomass in mg)	
Control	90%		0.347	
1.0 mg/l	82.5%		0.346	
2.0 mg/l	52.5%	*	0.263	**
4.0 mg/l	52.5%	*	0.250	**
8.0 mg/l	0%	*	0	**

* Statistically significantly less than control at P = 0.05 level.
** Concentrations with significantly less than control survival rates are not used in ANOVA comparisons.

CHRONIC TOXICITY

Survival LC50	3.1 mg/l
Growth IC25	2.4 mg/l

QA/QC TEST ACCEPTABILITY

Parameter	Result
Average Control Survival ≥80%	Pass (90%)
Average Dry Weight of Control ≥0.25 mg	Pass (0.386 mg mean weight)

Larval Fish Growth and Survival Test-7 Day Survival

Start Date:	27 Jul-01 16:00	Test ID:	RT-010727f	Sample ID:	REF-Ref Toxicant
End Date:	03 Aug-01 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	27 Jul-01 00:00	Protocol:	EPAF 91	Test Species:	PP-Pimephales promelas
Comments:					

Conc-mg/L	1	2	3	4
D-Control	0.9000	0.8000	1.0000	0.9000
1	0.8000	0.9000	0.7000	0.9000
2	0.4000	0.7000	0.5000	0.5000
4	0.3000	0.6000	0.5000	0.7000
8	0.0000	0.0000	0.0000	0.0000

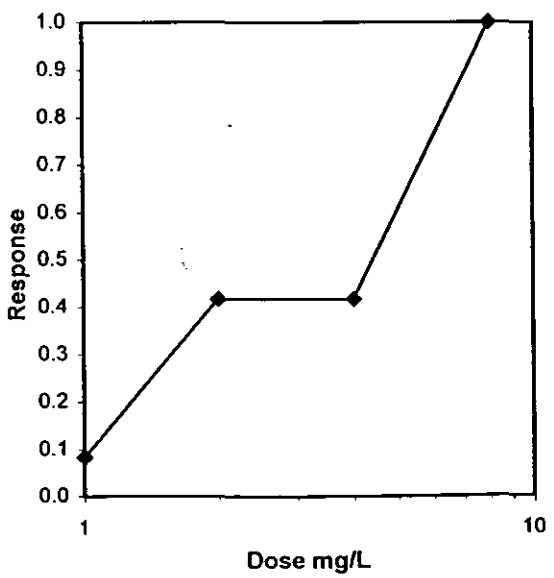
			Transform: Arcsin Square Root						1-Tailed		Number	Total
Conc-mg/L	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Resp	Number
D-Control	0.9000	1.0000	1.2543	1.1071	1.4120	9.935	4				4	40
1	0.8250	0.9167	1.1491	0.9912	1.2490	10.856	4	1.063	2.290	0.2267	7	40
*2	0.5250	0.5833	0.8117	0.6847	0.9912	15.860	4	4.471	2.290	0.2267	19	40
*4	0.5250	0.5833	0.8106	0.5796	0.9912	21.637	4	4.482	2.290	0.2267	19	40
8	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	4				40	40

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.9483	0.844	-0.1394	-0.8121
Bartlett's Test indicates equal variances (p = 0.92)	0.47896	11.3449		

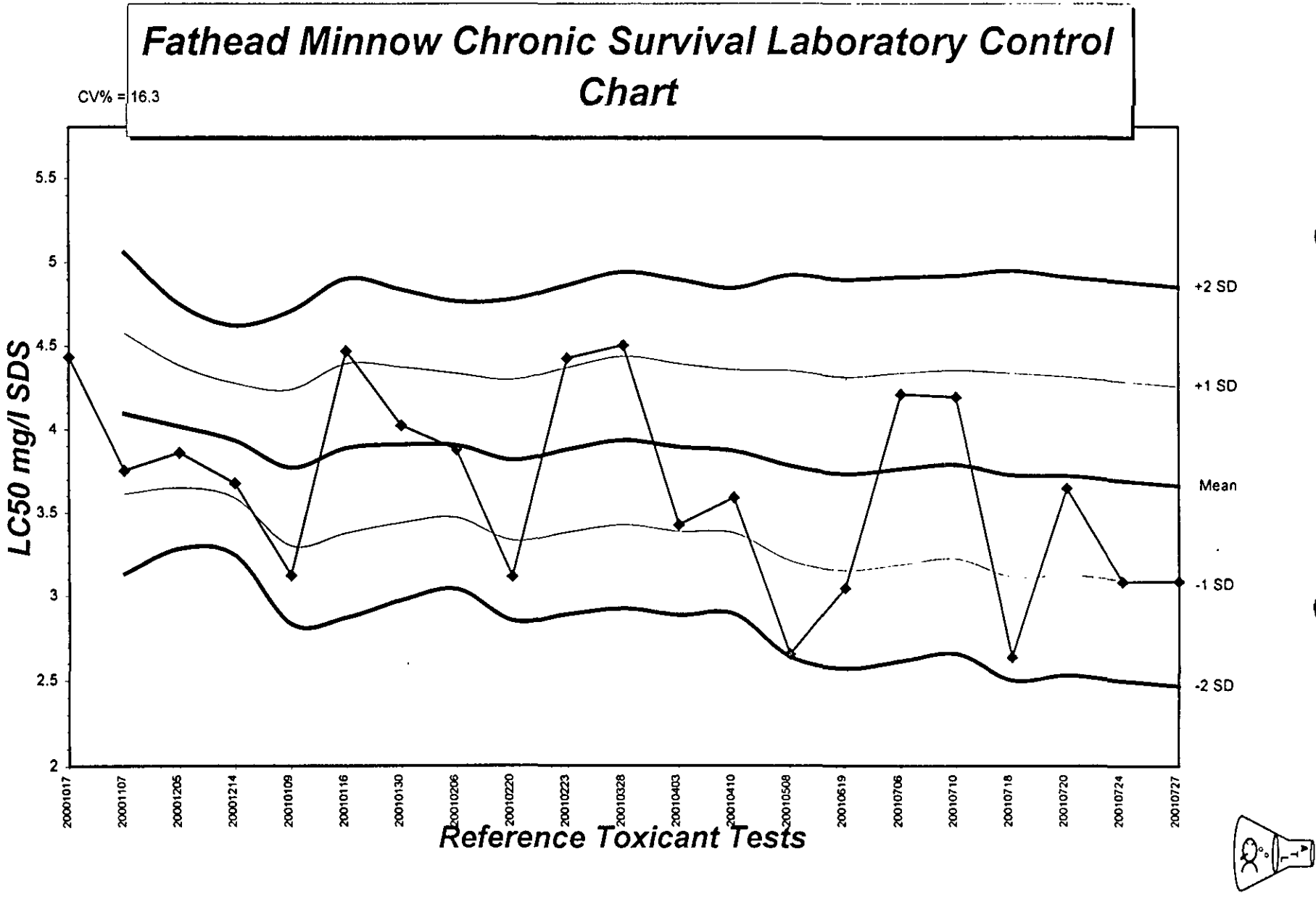
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSB	MSE	F-Stat	F-Prob	df
Dunnett's Test	1	2	1.41421		0.17031	0.21079	0.0196	10.7523	0.00102	3, 12

Trimmed Spearman-Karber

Trim Level	EC50	95% CL	
0.0%	3.0844	2.6394	3.6044
5.0%	3.1194	2.6244	3.7078
10.0%	3.1743	2.6183	3.8484
20.0%	3.3206	2.6111	4.2229
Auto-0.0%	3.0844	2.6394	3.6044



Fathead Minnow Chronic Survival Laboratory Control Chart



Larval Fish Growth and Survival Test-BIOMASS

Start Date:	27 Jul-01 16:00	Test ID:	RT-010727f	Sample ID:	REF-Ref Toxicant
End Date:	03 Aug-01 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	27 Jul-01 00:00	Protocol:	EPAF 91	Test Species:	PP-Pimephales promelas
Comments:					

Conc-mg/L	1	2	3	4
D-Control	0.3650	0.3010	0.3700	0.3520
1	0.3950	0.3060	0.2590	0.4230
2	0.2520	0.3100	0.2830	0.2060
4	0.2050	0.3380	0.2080	0.2490
8	0.0000	0.0000	0.0000	0.0000

			Transform: Untransformed					1-Tailed			Isotonic	
Conc-mg/L	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
D-Control	0.3470	1.0000	0.3470	0.3010	0.3700	9.104	4				0.3470	1.0000
1	0.3458	0.9964	0.3458	0.2590	0.4230	22.089	4	0.030	1.943	0.0033	0.3458	0.9964
2	0.2627	0.7572	0.2627	0.2060	0.3100	16.990	4				0.2627	0.7572
4	0.2500	0.7205	0.2500	0.2050	0.3380	24.802	4				0.2500	0.7205
8	0.0000	0.0000	0.0000	0.0000	0.0000	0.000	4				0.0000	0.0000

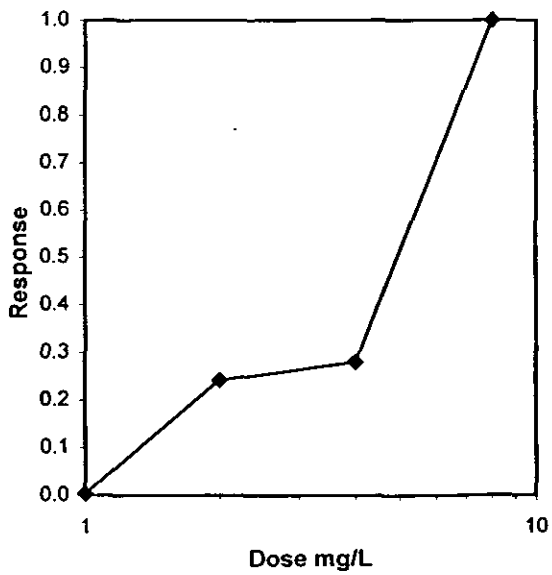
Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.97093	0.749	-0.2578	-0.68
F-Test indicates equal variances (p = 0.18)	5.84461	47.4683		

Hypothesis Test (1-tail, 0.05)

Homoscedastic t Test indicates no significant differences

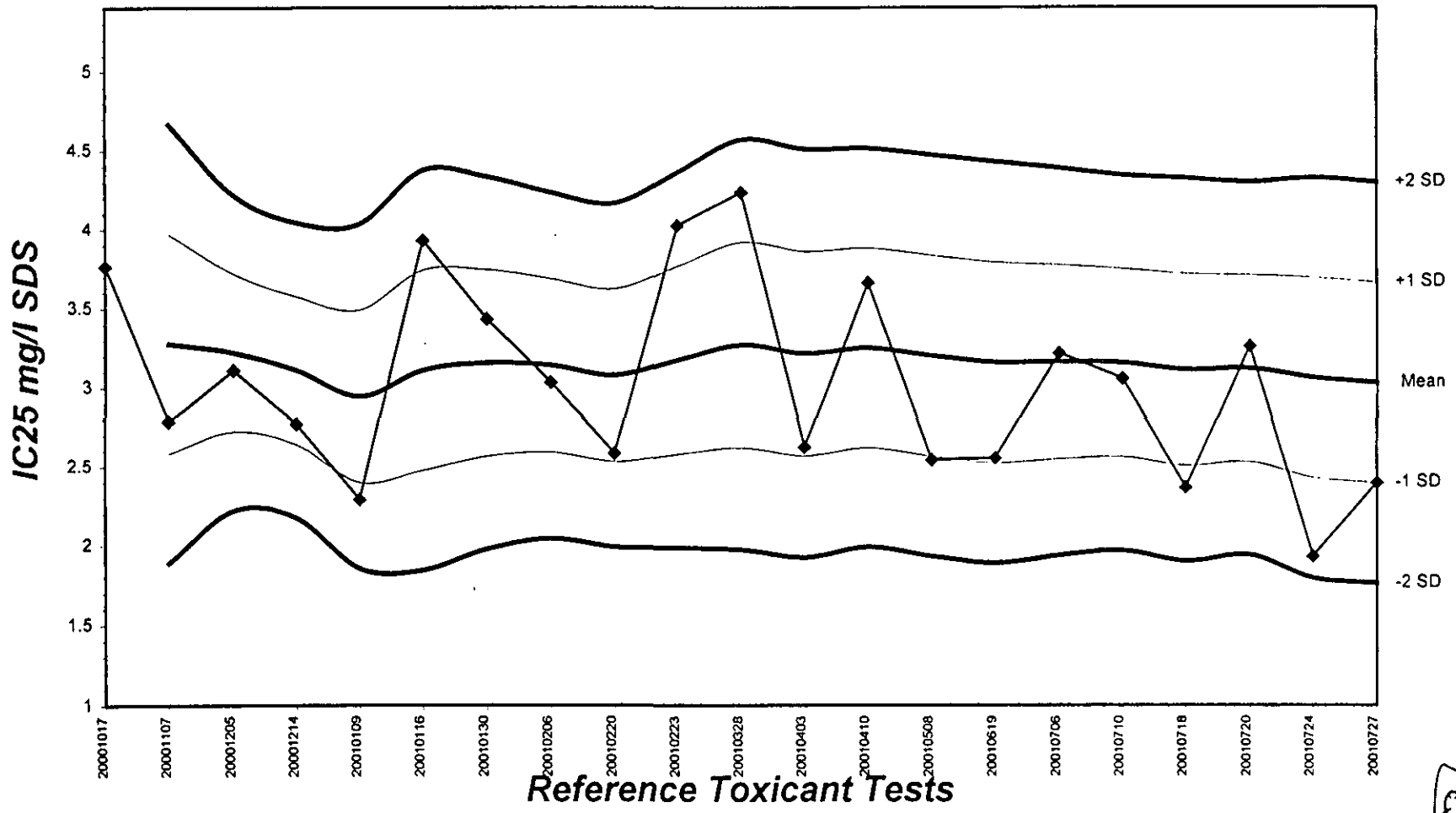
Linear Interpolation (80 Resamples)

Point	mg/L	SE	95% CL(Exp)		Skew
IC05	1.1940	0.3749	0.0000	1.5409	-0.9765
IC10	1.4030	0.3463	0.0000	2.1146	-0.7636
IC15	1.6120	0.5370	0.2027	3.2222	2.6652
IC20	1.8211	0.6822	0.4672	5.5636	2.2951
IC25	2.3922	0.9077	1.1506	5.6049	1.0398
IC40	4.6688	0.3746	3.1990	5.3909	-0.5139
IC50	5.2240	0.2860	4.1749	5.8258	-0.0525



Fathead Minnow Chronic Growth Laboratory Control Chart

CV% = 20.9



FATHEAD MINNOW LARVAE CHRONIC BIOASSAY
EPA TEST METHOD 1000

QA/QC Batch No.: RT-010727

LARVAL SURVIVAL/WEIGHT
REFERENCE TOXICANT - RAW DATA

		NUMBER LARVAE LIVE / DAY							Final Results			DRY WEIGHT (mg)	
SAMPLE	Rep	1	2	3	4	5	6	7	#test	#dead	%surv	Total Wt.	Tare Wt.
CONTROL	A	10	10	10	9	9	9	9	10	1	90	386.34	382.69
	B	10	10	10	9	9	8	8	10	2	80	377.56	374.55
	C	10	10	10	10	10	10	10	10	0	100	364.37	360.67
	D	10	10	10	10	10	9	9	10	1	90	370.93	367.41
1.0 mg/l SDS	A	10	10	10	9	9	8	8	10	2	80	376.45	372.50
	B	10	10	10	9	9	9	9	10	1	90	374.24	371.15
	C	10	10	10	9	7	7	7	10	3	70	375.71	373.12
	D	10	10	10	9	9	9	9	10	1	90	369.51	365.24
2.0 mg/l SDS	A	10	10	10	9	5	5	4	10	6	40	374.76	372.24
	B	10	10	10	9	9	7	7	10	3	70	370.89	367.79
	C	10	10	9	7	7	5	5	10	5	50	384.83	382.00
	D	10	10	10	10	8	7	5	10	5	50	377.47	375.41
4.0 mg/l SDS	A	9	9	8	6	5	5	3	10	7	30	349.88	347.43
	B	10	8	8	6	6	6	6	10	4	60	347.68	344.30
	C	10	9	8	8	6	5	5	10	5	50	375.18	373.10
	D	10	10	10	9	8	7	7	10	3	70	369.26	366.77
8.0 mg/l SDS	A	0	—	—	—	—	—	—	10	10	0	—	—
	B	0	—	—	—	—	—	—	10	10	0	—	—
	C	0	—	—	—	—	—	—	10	10	0	—	—
	D	0	—	—	—	—	—	—	10	10	0	—	—

Comments:

FATHEAD MINNOW LARVAE CHRONIC BIOASSAY
EPA TEST METHOD 1000

QA/QC Batch No.: RT-010727 Test Start Date: 7-27-01

WATER CHEMISTRIES

		DAY 1		DAY 2		DAY 3		DAY 4		DAY 5		DAY 6		DAY 7	
Examination at:		0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr
Analyst Initials:		[illegible]													
Time of Readings:		1600	1200	1200	1500	1500	1530	1530	1400	1400	1200	1300	1530	1530	1500
CONTROL	DO	8.3	8.0	8.4	7.0	8.4	7.2	7.9	6.1	8.2	8.0	8.5	7.2	8.3	7.1
	pH	7.8	7.9	8.0	8.0	8.0	8.0	7.9	7.7	7.9	7.9	8.0	7.8	7.8	7.7
	TEMP	25.2	24.6	24.8	25.1	25.1	25.2	25.7	25.2	25.6	24.3	24.7	24.6	25.0	24.7
1.0 mg/l SDS	DO	8.3	8.1	8.5	7.2	8.3	7.3	8.0	6.3	8.3	7.8	8.5	7.1	8.2	7.3
	pH	7.8	7.9	8.1	8.0	8.1	8.0	7.9	7.7	7.9	7.8	8.0	7.8	7.8	7.7
	TEMP	25.3	24.7	25.0	25.1	25.2	25.2	25.7	25.1	25.5	24.4	24.8	24.6	25.1	24.7
2.0 mg/l SDS	DO	8.4	8.1	8.6	7.0	8.3	7.3	8.0	6.4	8.4	7.5	8.5	7.1	8.1	7.3
	pH	7.8	7.9	8.2	8.0	8.1	8.0	7.8	7.7	7.9	7.8	8.0	7.8	7.8	7.7
	TEMP	25.3	24.8	25.1	25.1	25.2	25.0	25.6	25.1	25.6	24.4	24.7	24.5	25.0	24.6
4.0 mg/l SDS	DO	8.4	8.2	8.6	7.4	8.3	7.5	8.1	6.5	8.4	7.3	8.4	6.7	8.1	7.2
	pH	7.8	7.9	8.2	8.0	8.1	8.0	7.9	7.7	7.9	7.7	8.0	7.7	7.8	7.7
	TEMP	25.3	24.8	25.1	25.0	25.1	25.0	25.6	25.0	25.5	24.4	24.8	24.5	25.1	24.5
8.0 mg/l SDS	DO	8.4	8.0	—	—	—	—	—	—	—	—	—	—	—	—
	pH	7.8	7.9	—	—	—	—	—	—	—	—	—	—	—	—
	TEMP	25.2	24.8	—	—	—	—	—	—	—	—	—	—	—	—

ADDITIONAL WATER CHEMISTRIES

	DAY 1 (new stock)			~~DAY 3 (new stock)~~			~~DAY 5 (new stock)~~		
	Cond	Alk.	Hard.	Cond	Alk.	Hard.	Cond	Alk.	Hard.
CONTROL	351	63	98	—	—	—	—	—	—
High Conc.	350	62	97	—	—	—	—	—	—

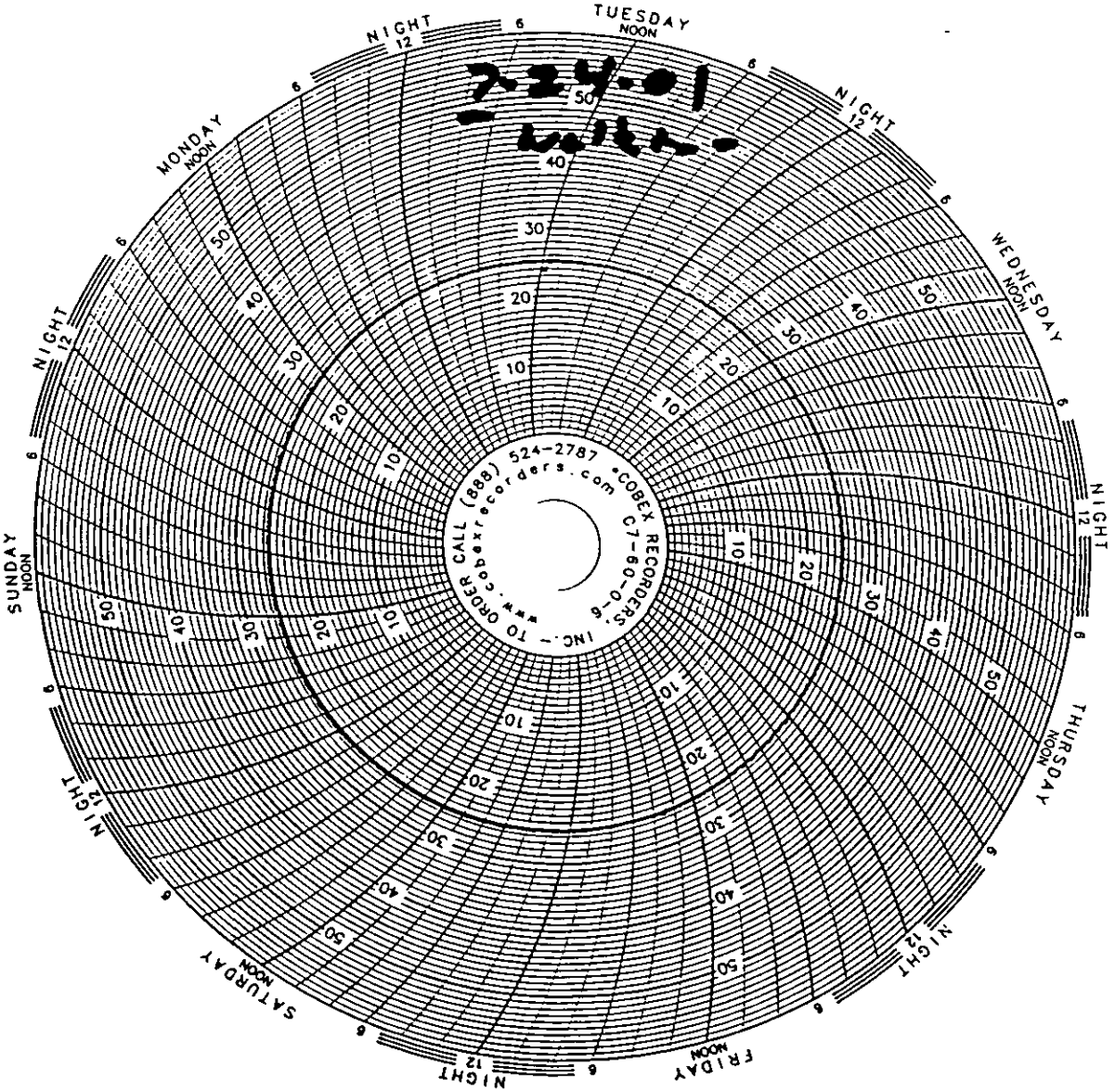
COMMENTS:
Alkalinity, hardness and conductivity are measured in control and highest sample concentration with surviving test organisms.

TEMPERATURE CHART RECORDING

LAB No.: RT-016727

Date Beginning: 7/27/01 Ending: 8/3/01

Acceptable Range: 25 ± 1°C (75 to 79°F)



CERIODAPHNIA SURVIVAL AND REPRODUCTION TEST

- *Test and Result Summary*
- *Data Summary and Statistical Analysis*
- *Raw Test Data: Water Quality & Test Organism Measurements*

CERIODAPHNIA CHRONIC BIOASSAY
EPA METHOD 1002.0
REFERENCE TOXICANT - NaCl

QA/QC Batch No.: RT-010727
Date Tested: 07/27/01 to 08/03/01

TEST SUMMARY

Test type: Daily static-renewal.
Species: *Ceriodaphnia dubia*.
Age: < 24 hrs; all released within 8 hrs.
Test vessel size: 30 ml.
Number of test organisms per vessel: 1.
Temperature: 25 +/- 1°C.
Dilution water: Mod. hard reconstituted (MHRW).
Reference Toxicant: Sodium chloride (NaCl).

Endpoints: Survival and Reproduction.
Source: In-laboratory culture.
Food: .1 ml YTC, algae per day.
Test solution volume: 20 ml.
Number of replicates: 10.
Photoperiod: 16/8 hrs. light/dark cycle.
Test duration: 7 days.
Statistics: ToxCalc computer program.

RESULTS SUMMARY

Sample Concentration	Percent Survival		Mean Number of Young Per Female	
Control	100%		35.6	
0.5 g/l	100%		32.3	
1.0 g/l	100%		14.1	*
2.0 g/l	80%		5.1	*
4.0 g/l	0%	*	0	**

* Statistically significantly less than control at P = 0.05 level
** Reproduction data from concentrations greater than survival NOEC are excluded from statistical analysis.

CHRONIC TOXICITY

Survival LC50	2.5 g/l
Reproduction IC25	0.65 g/l

QA/QC TEST ACCEPTABILITY

Parameter	Result
Control survival ≥80%	Pass (100%)
≥15 young per surviving control female	Pass (35.6 young)
≥60% surviving controls had 3 broods	Pass (100%)

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date:	27 Jul-01 16:30	Test ID:	RT-010727c	Sample ID:	REF-Ref Toxicant
End Date:	03 Aug-01 15:30	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	NACL-Sodium chloride
Sample Date:	27 Jul-01 00:00	Protocol:	EPAF 91	Test Species:	CD-Ceriodaphnia dubia
Comments:					

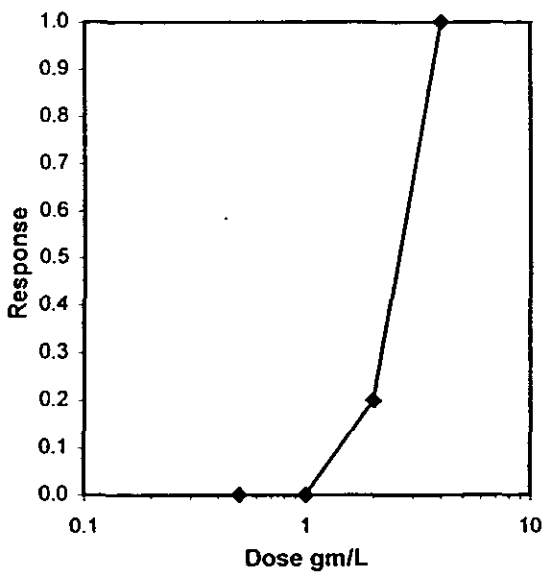
Conc-gm/L	1	2	3	4	5	6	7	8	9	10
D-Control	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2	1.0000	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	0.0000	1.0000	1.0000
4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Conc-gm/L	Mean	N-Mean	Resp	Not Resp	Total	N	Fisher's Exact P	1-Tailed Critical	Number Resp	Total Number
D-Control	1.0000	1.0000	0	10	10	10			0	10
0.5	1.0000	1.0000	0	10	10	10	1.0000	0.0500	0	10
1	1.0000	1.0000	0	10	10	10	1.0000	0.0500	0	10
2	0.8000	0.8000	2	8	10	10	0.2368	0.0500	2	10
4	0.0000	0.0000	10	0	10	10			10	10

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Fisher's Exact Test	2	4	2.82843	

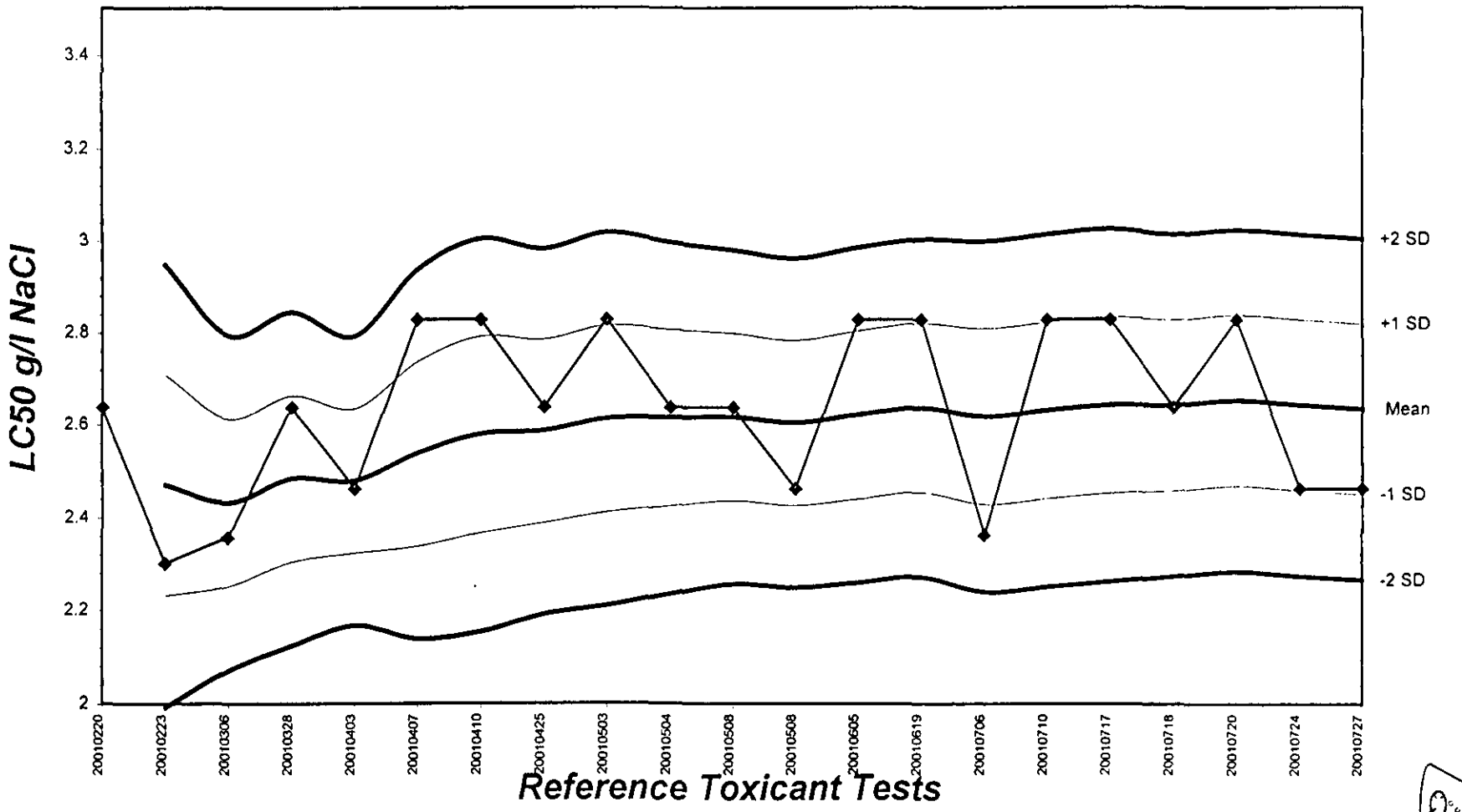
Trimmed Spearman-Karber

Trim Level	EC50	95% CL	
0.0%	2.4623	2.0663	2.9342
5.0%	2.5108	2.0545	3.0683
10.0%	2.5519	1.9976	3.2599
20.0%	2.5937	2.2616	2.9745
Auto-0.0%	2.4623	2.0663	2.9342



Ceriodaphnia Chronic Survival Laboratory Control Chart

CV% = 7.0



Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	27 Jul-01 16:30	Test ID:	RT-010727c	Sample ID:	REF-Ref Toxicant
End Date:	03 Aug-01 15:30	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	NACL-Sodium chloride
Sample Date:	27 Jul-01 00:00	Protocol:	EPAF 91	Test Species:	CD-Ceriodaphnia dubia
Comments:					

Conc-gm/L	1	2	3	4	5	6	7	8	9	10
D-Control	41.000	41.000	24.000	42.000	36.000	40.000	38.000	36.000	29.000	29.000
0.5	31.000	28.000	27.000	34.000	32.000	39.000	34.000	45.000	24.000	29.000
1	18.000	14.000	10.000	7.000	14.000	20.000	19.000	18.000	13.000	8.000
2	6.000	7.000	0.000	6.000	5.000	7.000	8.000	0.000	6.000	6.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

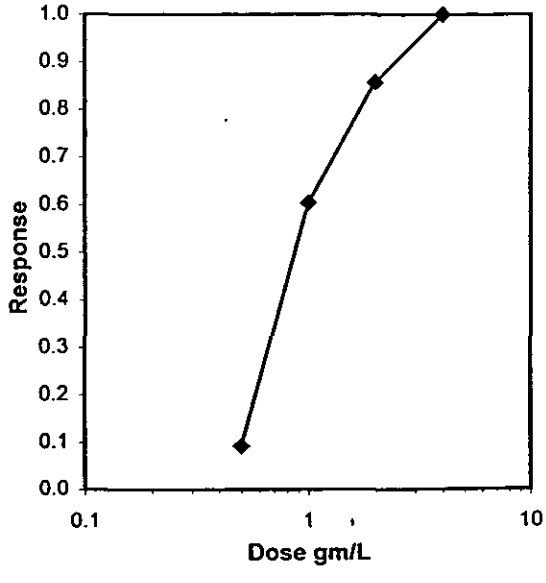
			Transform: Untransformed					1-Tailed			Isotonic	
Conc-gm/L	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
D-Control	35.600	1.0000	35.600	24.000	42.000	17.427	10				35.600	1.0000
0.5	32.300	0.9073	32.300	24.000	45.000	19.032	10	1.435	2.137	4.915	32.300	0.9073
*1	14.100	0.3961	14.100	7.000	20.000	33.004	10	9.347	2.137	4.915	14.100	0.3961
*2	5.100	0.1433	5.100	0.000	8.000	55.034	10	13.260	2.137	4.915	5.100	0.1433
4	0.000	0.0000	0.000	0.000	0.000	0.000	10				0.000	0.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.97832	0.919	-0.0843	0.14786
Bartlett's Test indicates equal variances (p = 0.12)	5.84707	11.3449		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSB	MSE	F-Stat	F-Prob	df
Dunnett's Test	0.5	1	0.70711		4.91459	2129.56	26.4528	80.5042	5.0E-16	3, 36

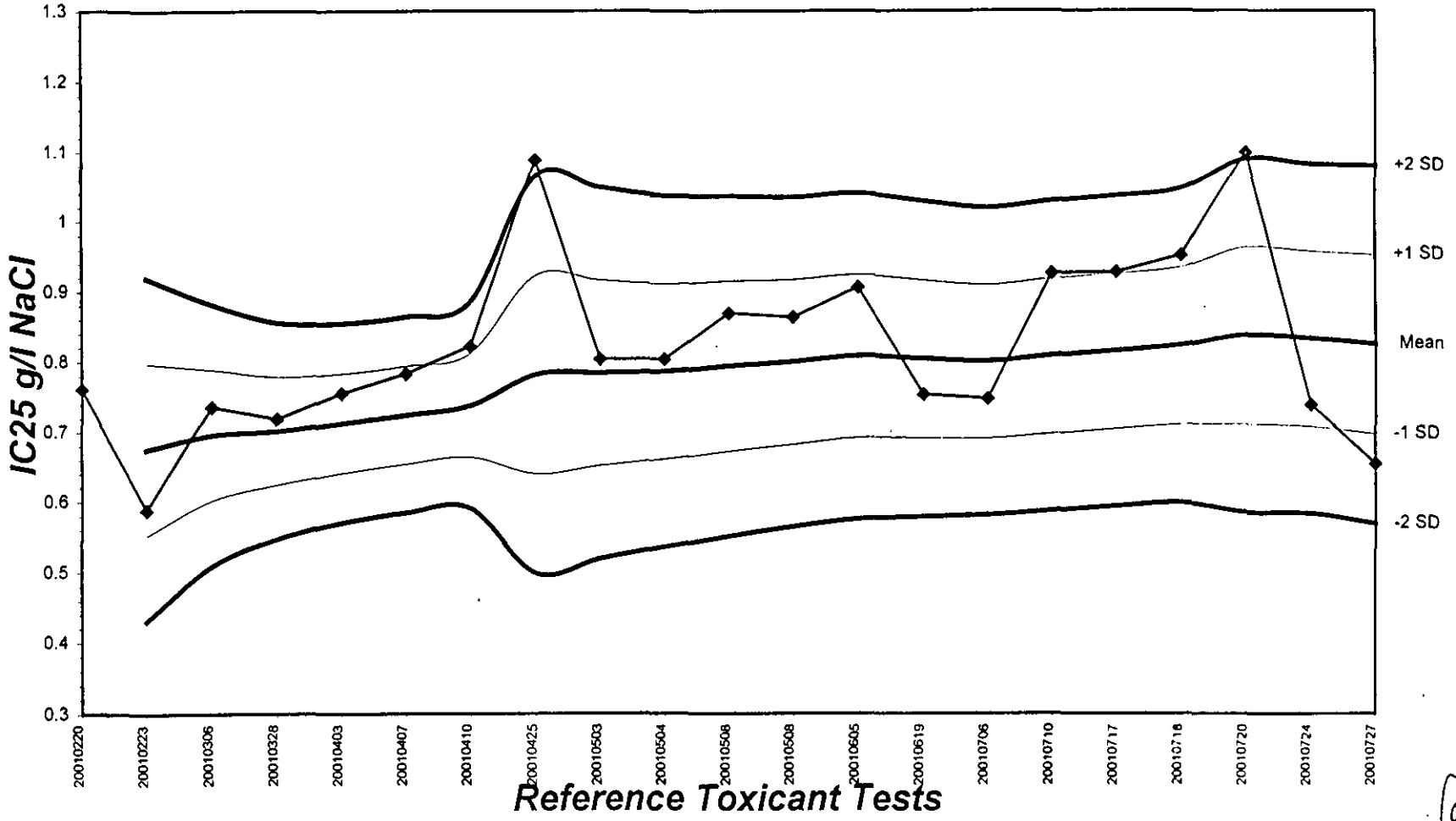
Linear Interpolation (80 Resamples)

Point	gm/L	SE	95% CL		Skew
IC05*	0.2697	0.1465	0.1238	0.5421	0.5899
IC10	0.5071	0.1111	0.2476	0.5842	-0.5235
IC15	0.5560	0.0736	0.3714	0.6263	-1.0481
IC20	0.6049	0.0533	0.4953	0.6685	-0.7195
IC25	0.6538	0.0475	0.5530	0.7106	-0.4457
IC40	0.8005	0.0393	0.7156	0.8560	-0.2897
IC50	0.8984	0.0373	0.8232	0.9598	-0.1030



Ceriodaphnia Chronic Reproduction Laboratory Control Charts

CV% = 15.5



CERIODAPHNIA REPRODUCTION AND SURVIVAL

REFERENCE TOXICANT (Part I) - RAW DATA

QA/QC Batch No.: RT-010727

Sample	DAY	Number of Young Produced/Replicate										Total Live Young	No. Live Adults	Young per Adult ♀	Analyst Initials
		A	B	C	D	E	F	G	H	I	J				
Control	1	0	0	0	0	0	0	0	0	0	0	0	10	0	
	2	0	0	0	0	0	0	0	0	0	0	0	10	0	
	3	3	2	3	2	2	4	3	2	3	3	27	10	2.7	
	4	0	0	4	3	1	0	0	3	0	0	11	10	1.1	
	5	8	10	6	9	8	11	10	6	9	8	85	10	8.5	
	6	12	13	10	12	12	13	14	6	6	8	104	10	10.4	
	7	18	16	1	16	10	12	11	19	11	10	124	10	12.4	
	Total	41	41	24	42	36	40	38	36	29	29	356	10	35.6	
0.5 g/l NaCl	1	0	0	0	0	0	0	0	0	0	0	0	10	0	
	2	0	0	0	0	0	0	0	0	0	0	0	10	0	
	3	4	3	2	2	3	2	3	3	2	3	27	10	2.7	
	4	0	0	0	0	0	4	0	0	4	0	13	10	1.3	
	5	12	10	11	9	10	9	10	11	6	10	98	10	9.8	
	6	13	15	0	13	8	12	11	14	10	0	96	10	9.6	
	7	2	0	14	10	11	12	10	17	2	16	94	10	9.4	
	Total	31	28	27	34	32	39	34	45	24	29	323	10	32.3	
1.0 g/l NaCl	1	0	0	0	0	0	0	0	0	0	0	0	10	0	
	2	0	0	0	0	0	0	0	0	0	0	0	10	0	
	3	0	0	2	3	0	3	2	2	0	0	12	10	1.2	
	4	2	2	0	0	2	0	0	0	3	2	11	10	1.1	
	5	6	4	2	0	0	5	6	4	0	0	27	10	2.7	
	6	2	6	0	0	2	0	0	0	8	6	24	10	2.4	
	7	8	2	6	4	10	12	11	12	2	0	67	10	6.7	
	Total	18	14	10	7	14	29	19	18	13	8	141	10	14.1	

COMMENTS: X - dead adult.

CERIODAPHNIA REPRODUCTION AND SURVIVAL

REFERENCE TOXICANT (Part II) - RAW DATA

QA/QC Batch No.: RT-010727

Sample	DAY	Number of Young Produced/Replicate										Total Live Young	No. Live Adults	Young per Adult ♀	Analyst Initials
		A	B	C	D	E	F	G	H	I	J				
2.0 g/l NaCl	1	0	0	0	0	0	0	0	0	0	0	0	10	0	
	2	0	0	0	0	0	0	0	X	0	0	0	9	0	
	3	0	2	0	0	0	2	2	-	0	0	4	9	0.6	
	4	2	0	X	0	2	0	0	-	0	0	4	8	0.4	
	5	0	2	-	3	0	2	2	-	2	3	14	8	1.4	
	6	4	0	-	0	3	0	2	-	0	0	9	8	0.9	
	7	0	3	-	3	0	3	2	-	4	3	18	8	1.8	
	Total	6	7	0	6	5	7	8	0	6	6	51	8	5.1	
4.0 g/l NaCl	1	X	X	X	X	X	X	X	X	X	X	0	0	0	
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	

COMMENTS: X - dead adult.

CERIODAPHNIA CHRONIC BIOASSAY

REFERENCE TOXICANT - SODIUM CHLORIDE

QA/QC Batch No.: RT-010727

WATER CHEMISTRIES

		DAY 1		DAY 2		DAY 3		DAY 4		DAY 5		DAY 6		DAY 7	
Examination at:		0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr	0hr	24hr
Analyst Initials:		[illegible]													
Time of Readings:		1630	1430	1430	1500	1500	[illegible]	1500	1430	1430	1530	1520	1500	1400	1530
CONTROL	DO	8.4	8.2	8.9	[illegible]	[illegible]	8.1	8.4	8.1	8.3	7.8	7.6	8.3	[illegible]	[illegible]
	pH	7.9	7.9	8.1	8.0	8.1	8.0	8.1	7.9	7.9	8.0	7.9	8.0	[illegible]	[illegible]
	TEMP	25.6	25.5	25.5	[illegible]	[illegible]	[illegible]	[illegible]	25.7	25.8	24.9	25.1	25.1	[illegible]	[illegible]
0.5	DO	8.4	8.2	8.9	[illegible]	[illegible]	8.0	8.4	8.2	8.3	7.8	7.7	8.3	[illegible]	[illegible]
	pH	7.9	7.9	8.1	[illegible]	[illegible]	8.1	8.1	7.9	7.9	8.0	7.9	8.0	[illegible]	[illegible]
	TEMP	25.6	25.5	25.4	[illegible]	[illegible]	[illegible]	[illegible]	25.8	[illegible]	24.9	25.1	25.2	[illegible]	[illegible]
1.0	DO	8.4	8.2	8.9	8.1	[illegible]	8.0	8.2	8.2	8.3	7.8	7.7	8.3	[illegible]	[illegible]
	pH	7.9	8.0	8.1	[illegible]	[illegible]	8.1	8.1	7.9	7.9	7.9	7.9	7.9	8.0	[illegible]
	TEMP	[illegible]	25.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.8	[illegible]	[illegible]	25.1	[illegible]	[illegible]	[illegible]
2.0	DO	8.3	8.2	8.9	[illegible]	[illegible]	8.0	8.2	8.2	8.3	7.8	7.7	[illegible]	[illegible]	[illegible]
	pH	7.8	8.0	8.1	8.0	[illegible]	[illegible]	[illegible]	7.9	7.9	7.9	7.9	7.9	7.9	[illegible]
	TEMP	[illegible]	25.5	25.0	[illegible]	[illegible]	[illegible]	[illegible]	25.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4.0	DO	[illegible]	8.2	—	—	—	—	—	—	—	—	—	—	—	—
	pH	7.8	7.9	—	—	—	—	—	—	—	—	—	—	—	—
	TEMP	[illegible]	25.5	—	—	—	—	—	—	—	—	—	—	—	—

ADDITIONAL WATER CHEMISTRIES

	DAY 1 (new stock)			~~DAY 3 (new stock)~~			~~DAY 5 (new stock)~~		
	Cond.	Alk.	Hard.	Cond.	Alk.	Hard.	Cond.	Alk.	Hard.
CONTROL	351	63	98	—	—	—	—	—	—
HIGH CONC.	13,000	62	97	—	—	—	—	—	—

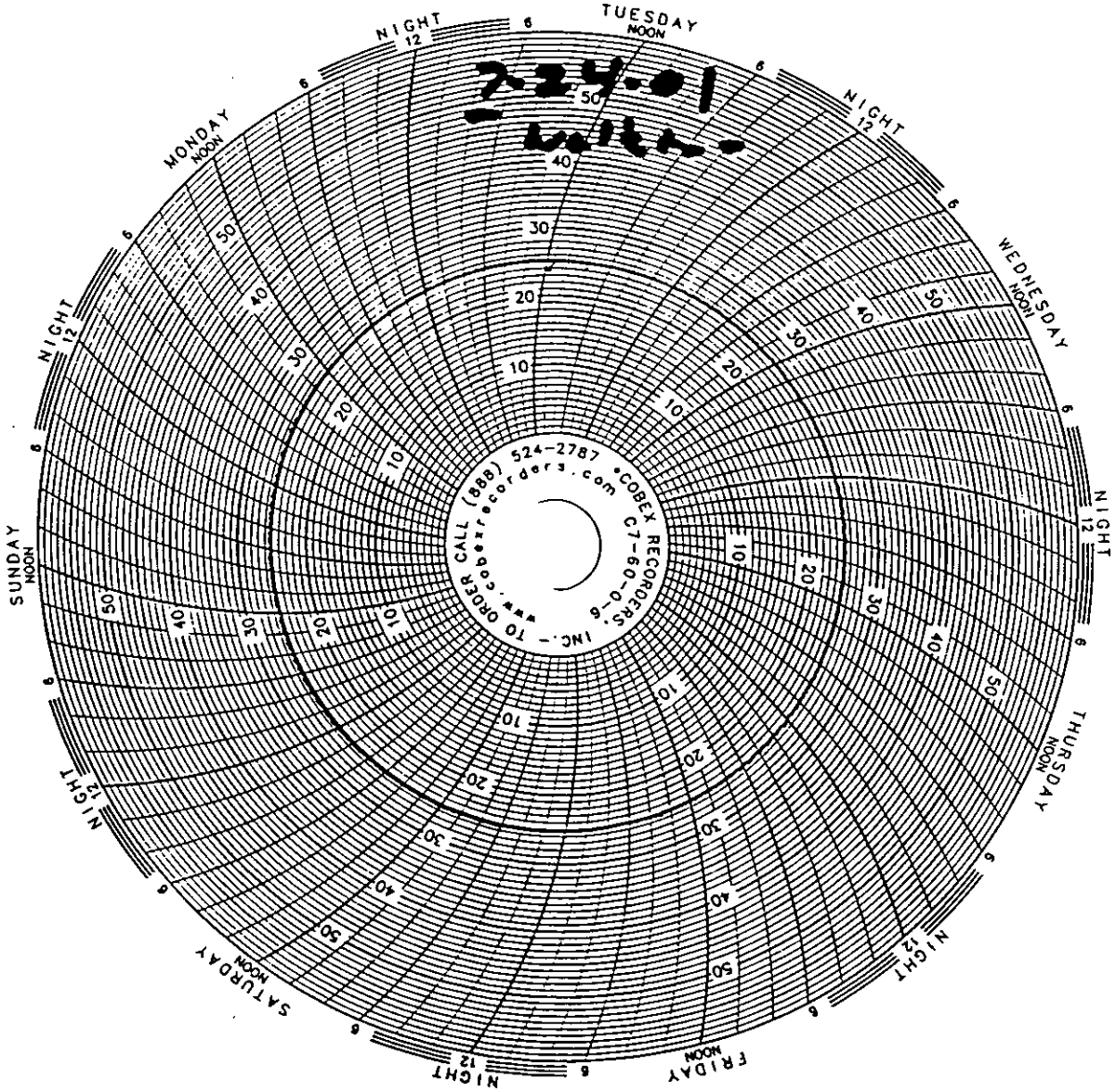
COMMENTS: Alkalinity, hardness and conductivity are measured in control and highest concentration with surviving test organisms.
Reference Toxicant concentrations in g/l NaCl.

TEMPERATURE CHART RECORDING

LAB No.: RT-010727

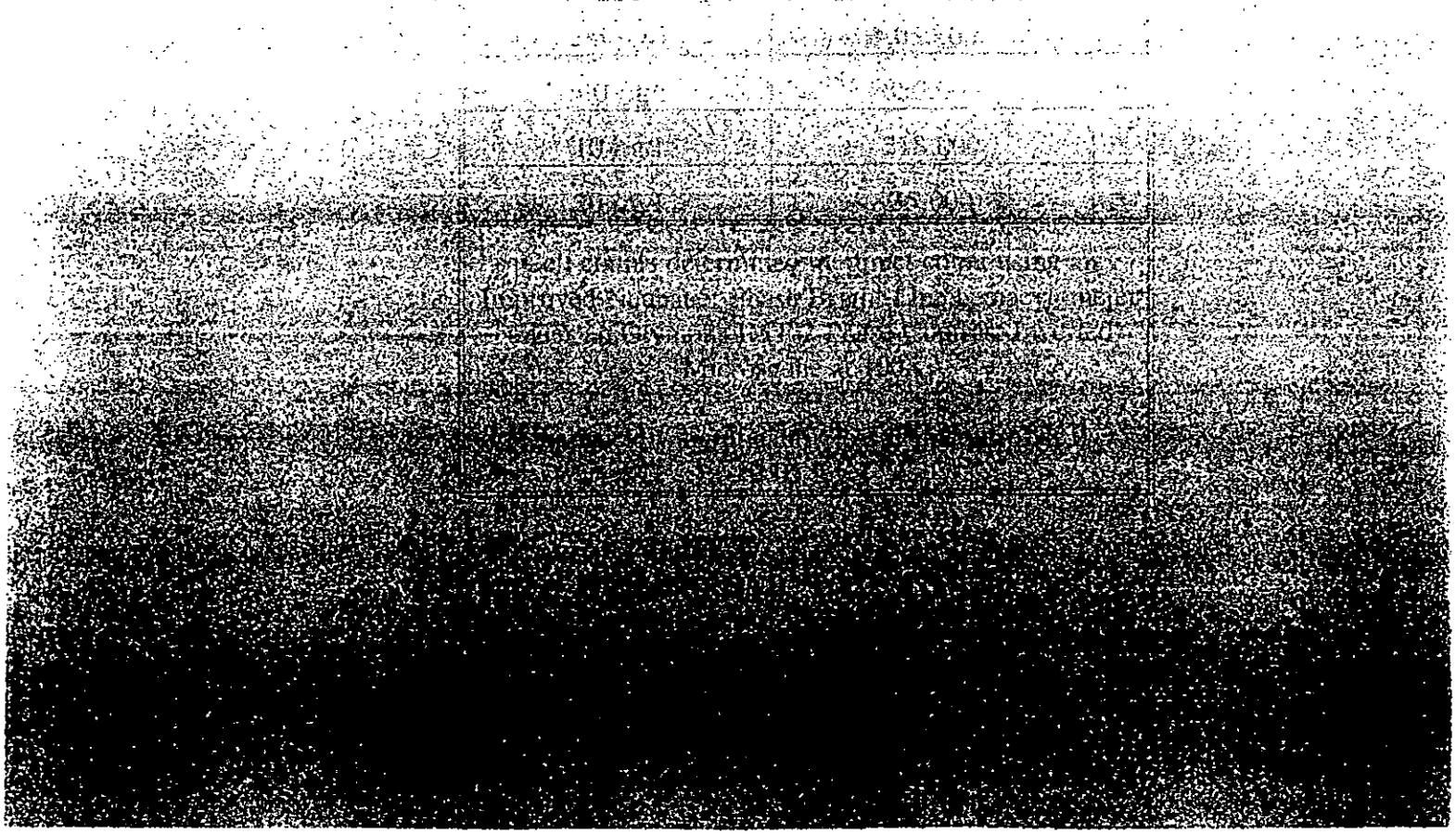
Date Beginning: 7/27/01 Ending: 8/3/01

Acceptable Range: 25 ± 1°C (75 to 79°F)



SELENASTRUM GROWTH TEST

- *Test and Result Summary*
- *Data Summary and Statistical Analysis*
- *Raw Test Data: Water Quality & Test Organism Measurements*



SELENASTRUM ALGAL GROWTH TOXICITY TEST
* REFERENCE TOXICANT *

QA/QC Batch No.: RT-010727
Date tested: 07/27/01 - 07/31/01

TEST SUMMARY

Species: *Selenastrum capricornutum*.
Test type: Static.
Test chamber: 125 ml Erlenmeyer flasks.
Initial cell density: 10,000 cells/ml.
Environment: Incubator.
Photoperiod: Continuous.
Measurement: Direct cell count.
Reference toxicant: Copper chloride.

Source: In-lab culture.
Endpoints: Growth after 96 hrs.
Test solution volume: 50 ml.
Number of replicates: 4.
Temp.: 25 +/- 1°C.
Shaking rate: Twice daily.
Instrument: Hemacytometer.
Statistics: ToxCalc computer program.

RESULTS SUMMARY

SAMPLE CONCENTRATION	ALGAL CELL COUNTS / ML	
Control	1,148,000	
1.25 µg/l	995,000	
2.5 µg/l	1,050,000	
5.0 µg/l	850,000	*
10 µg/l	218,000	*
20 µg/l	35,000	*

Cell counts determined by direct count using an Improved Neubauer Phase Bright-Line hemacytometer under an Olympus IMT-2 Phase-Contrast Inverted Microscope at 100X.

* Statistically significantly less than control at P = 0.05 level

CHRONIC TOXICITY

NOEC	2.5 µg/l
IC25	4.8 µg/l

Phytoplankton Test-Growth-Cell Density

Start Date:	27 Jul-01 15:00	Test ID:	RT-010727s	Sample ID:	REF-Ref Toxicant
End Date:	31 Jul-01 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	CUCL-Copper chloride
Sample Date:	27 Jul-01 00:00	Protocol:	EPAF 91	Test Species:	SC-Selenastrum capricornutum
Comments:					

Conc-ug/L	1	2	3	4
D-Control	1.1600	1.0100	1.3400	1.0800
1.25	0.9400	0.9000	1.0100	1.1300
2.5	0.9600	0.9400	1.1400	1.1600
5	0.8400	0.8900	0.8300	0.8400
10	0.2000	0.2200	0.1900	0.2600
20	0.0450	0.0400	0.0250	0.0300

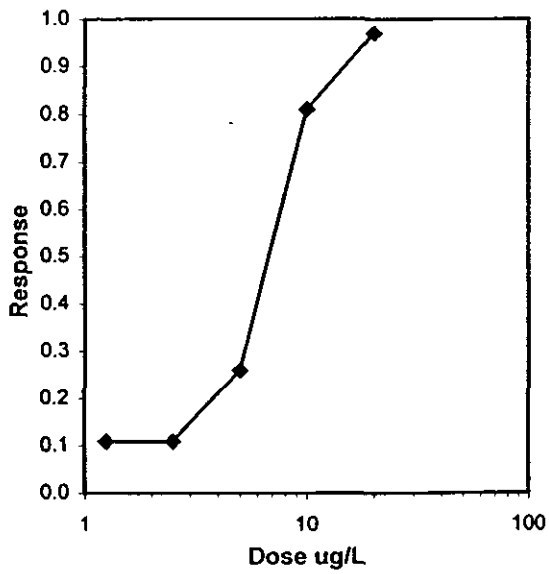
			Transform: Untransformed					Rank	1-Tailed	Isotonic	
Conc-ug/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	Mean	N-Mean
D-Control	*1.1475*	*1.0000*	*1.1475*	*1.0100*	*1.3400*	*12.393*	*4*			*1.1475*	*1.0000*
1.25	0.9950	0.8671	0.9950	0.9000	1.1300	10.134	4	12.50	10.00	1.0225	0.8911
2.5	1.0500	0.9150	1.0500	0.9400	1.1600	11.052	4	14.50	10.00	1.0225	0.8911
*5	0.8500	0.7407	0.8500	0.8300	0.8900	3.186	4	10.00	10.00	0.8500	0.7407
*10	0.2175	0.1895	0.2175	0.1900	0.2600	14.233	4	10.00	10.00	0.2175	0.1895
*20	0.0350	0.0305	0.0350	0.0250	0.0450	26.082	4	10.00	10.00	0.0350	0.0305

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	*0.95339*	*0.884*	*0.59625*	*0.71663*
Bartlett's Test indicates unequal variances (p = 2.08E-03)	18.815	15.0863		

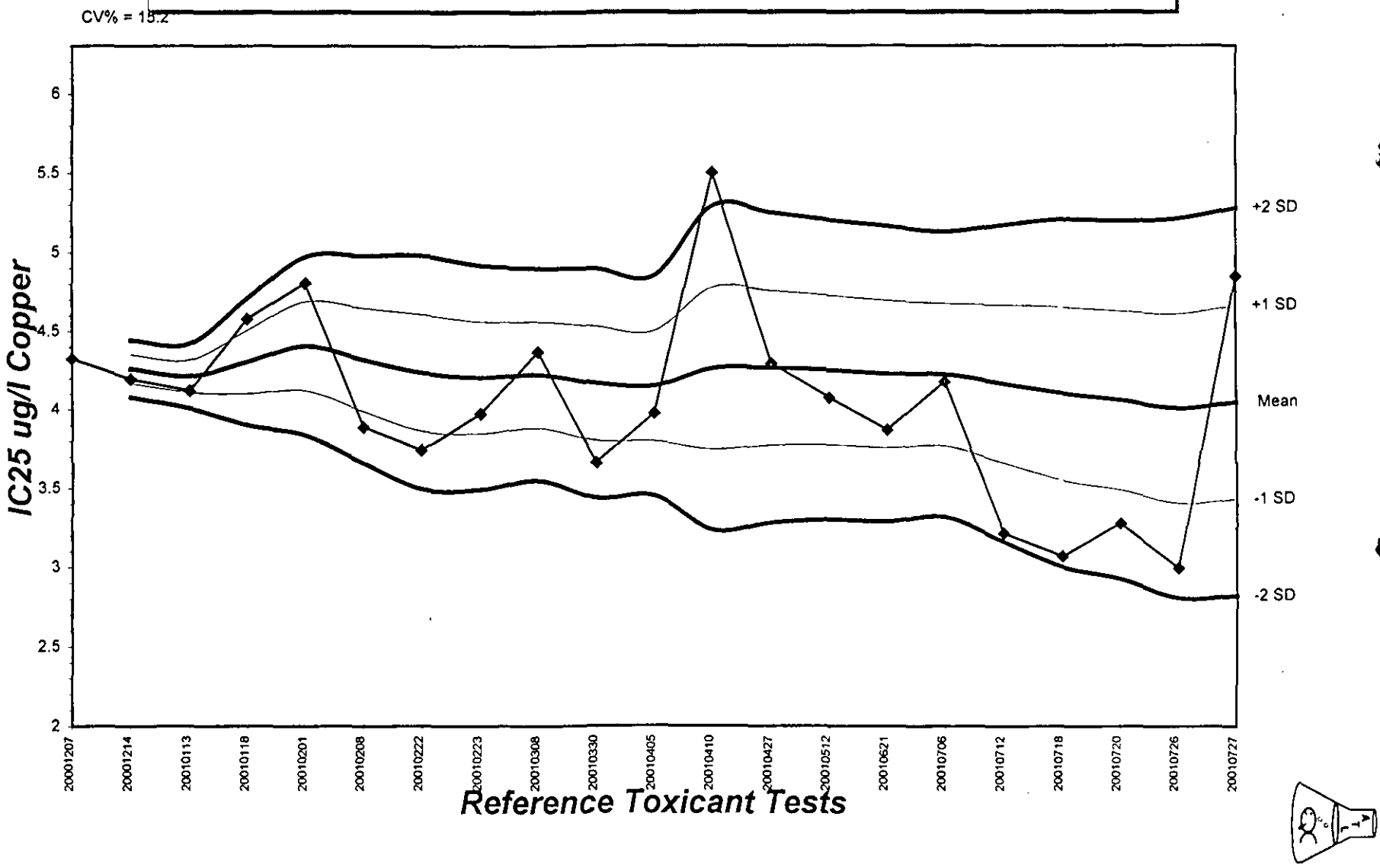
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	2.5	5	3.53553	

Linear Interpolation (80 Resamples)

Point	ug/L	SE	95% CL(Exp)		Skew
IC05*	0.5738	0.9488	0.1553	4.5988	1.3842
IC10*	1.1475	1.1476	0.3107	5.2905	0.1610
IC15	3.1830	1.1324	0.0000	5.2282	-0.7175
IC20	4.0145	0.8456	1.5447	5.7758	-1.0827
IC25	4.8460	0.5871	2.8670	5.9371	-0.8476
IC40	6.2767	0.3077	5.3895	7.0593	-0.3331
IC50	7.1838	0.2601	6.4512	7.9053	-0.3022



Selenastrum Algal Growth Laboratory Control Chart



SELENASTRUM GROWTH TOXICITY TEST - EPA METHOD 1003
* REFERENCE TOXICANT - COPPER CHLORIDE *

QA/QC No.: RT-010727

RAW DATA READINGS

Sample Conc.	Rep No.	Cell Counts A	B	Mean	Sample Conc.	Rep No.	Cell Counts A	B	Mean	Sample Conc.	Rep No.	Cell Counts A	B	Mean
CONTROL	A	117	115	116	2.5	A	101	92	96	10.0	A	20	21	20
CONTROL	B	106	96	101	2.5	B	85	103	94	10.0	B	17	27	22
CONTROL	C	140	129	134	2.5	C	110	118	114	10.0	C	20	18	19
CONTROL	D	102	113	108	2.5	D	106	127	116	10.0	D	25	27	26
1.25	A	93	94	94	5.0	A	83	86	84	20.0	A	4	5	4.5
1.25	B	82	98	90	5.0	B	87	91	89	20.0	B	3	5	4
1.25	C	106	96	101	5.0	C	70	96	83	20.0	C	1	4	2.5
1.25	D	118	108	113	5.0	D	86	82	84	20.0	D	1	5	3

Comments: Ref. tox. conc. in ug/l Copper chloride.

Ref. Tox. solutions: Add 1.0 ml of Cu stock (10,000 ppm Cu) into 500 ml of lab Selenastrum test water for 20 ppb Cu test solution.

Stock: 1,000,000 cells/ml = 4 cells per medium size square on hemacytometer. Add 0.5 ml stock per 50 ml test solution.

Intial test count: 1, 1, 2, 1, 1, 0 (av. count of three solutions should = 1 (1 cell per counting field = 10,000 cells per ml)).

Final control mean cell count: 1,148,000;
Control variability: 12.4 % (coefficient of variability = (SD/mean)·100%).
Test acceptability criteria: >200,000 cells/ml in control with <20% variability.

INITIAL WATER CHEMISTRIES

CONC.	pH	COND.	Alk.	Hard.
CONTROL	7.5	107	14	20
20 ug/l	7.5	108	15	20

Initial Sample Prep.: Date: 7-27-01 Time: 15:00 Analyst: [signature]

Final Cell Count: Date: 7-31-01 Time: 15:00 Analyst: [signature]

Del Mar Analytical
2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
7277 Hayvenhurst, Suite B-12, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
9484 Chesapeake Dr., Suite 806, San Diego, CA 92123 (858) 505-9596 FAX (858) 505-9689

CHAIN OF CUSTODY FORM

Client Name/Address:
Earth Tech
9675 Business Park Ave
San Diego, CA 92131

Project/PO Number:
4402.02

Project Manager:
Greg Dotson

Phone Number:
(858) 536-5610

Sampler:
Leanne Abe

Fax Number:
(858) 536-5620

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	NRDES List of Analytes	TPH Gas 8015B	VOC 8260							Special Instructions
MYE-7	AQ	various	19	7/26/01	1340	various	X									IKG0960
Trip Blanks	AQ	VOA vial	4	"				X	X							

Relinquished By: Leanne Abe	Date /Time: 7/26/01 1600	Received by:	Date /Time: 07 26 01 1600	Turnaround Time: (Check)	
Relinquished By: to FRIOS	Date /Time: 07 26 01 1630	Received by:	Date /Time: 0820	same day ____	72 hours ____
Relinquished By:	Date /Time: 07 27 01 0820	Received In Lab by: Laura Meyer	Date /Time: 7/27/01 08:20	24 hours ____	5 days ____
				48 hours ____	normal X
				Sample Integrity: (Check)	
				Intact X	on ice 0°

Note: By relinquishing samples to Del Mar Analytical, 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.

Environmental Engineering Laboratory
3538 Hancock Street
San Diego, CA 92110
(619) 298-6131

ELAP certificate number 1738

EARTH TECH / DOUG ROFF
9675 BUSINESS PARK
SAN DIEGO , CA
92131

Customer # 3478 Sample # 10707478
Reference : MVE-7
Sampled : 07/26/01 01:10PM Date Started : 07/26/01
Received : 07/26/01 01:35PM P.O. # Date Completed: / /
Comment : PROJECT: 44102-02

Test Run:	Result:	MCL	DL	Method:
Coliform, Total	30			SM9221B
Coliform, Fecal	2			SM9221E

Coliform results are in MPN/100 ml using Multiple Tube Fermentation
ND = None Detected DL = Detection Limit MCL = Max Contaminant Levels

Reported by Robert L. Chambers M.S. Michael M. Chambers M.S., P.E. Michael Harris PhD Date 07/30/01

9675 Business Park Avenue, San Diego, California 92131-1644

February 7, 2002

RECEIVED
2002 FEB 12 AM 9 43
D. E. H.
MAILROOM

Project Number: 44102

Veronica Tavizon
County of San Diego
Department of Environmental Health
Land and Water Quality Division
1255 Imperial Avenue, Suite 300
San Diego, CA 92101

Subject: **Supplemental Information for 30-Day Reports for Well Permits W99794, W99795, W99869, W99875, and W99876**

Dear Ms. Tavizon:

As requested in the letters dated January 29, 2002, the information included herein is intended to supplement the 30-day reports for the subject well permits. A copy of each letter is enclosed for your reference. The required information per Well Permit number is provided below. Please note that the "date started" and "date finished" information is already provided in all well construction logs. Also note that well abandonment for these wells is anticipated to be conducted under permit within approximately two years.

Telephone
858.536.5610
Facsimile
858.536.5620

W99794

1) Submit written documentation indicating the type of sealing materials, quantities used, and the date work was started and date it was completed for all well borings.

The three monitoring wells covered under this permit were terminated using the following sealing materials:

- Filter Pack Material - Number 3 Sand
  - MVE-2A – 10 Bags (100lbs)
  - MVE-2B – 12 Bags (100 lbs)
  - MVE-4 – 10 Bags (100 lbs)
- Bentonite Seal – Bentonite Chips
  - MVE-2A – 1 Bag (50 lbs)
  - MVE-2B – 1 Bag (50 lbs)
  - MVE-4 – 1-1/2 Bag (50 lbs)
- Well Head Material – Concrete Seal
  - MVE-2A – 12 Bags (98 lbs)
  - MVE-2B – 14 Bags (98 lbs)
  - MVE-4 – 12 Bags (98 lbs)

W99795

1) Submit written documentation indicating the type of sealing materials, quantities used, and the date work was started and date it was completed for all well borings.

The two monitoring wells covered under this permit were terminated using the following sealing materials:

- Filter Pack Material - Number 3 Sand
  - MVE-1A – 4 Bags (100lbs)
  - MVE-1B – 7 Bags (100 lbs)

- Bentonite Seal – Bentonite Chips
  - MVE-1A – 2 Bag (50 lbs)
  - MVE-1B – 1 Bag (50 lbs)

- Well Head Material – Concrete Seal
  - MVE-1A – 12 Bags
  - MVE-1B –12 Bags

2) Submit a letter of explanation stating why surface construction was not completed according to standards.

Given the water table depth (approximately 13 feet below grade) and the anticipated fluctuation in water levels in the area, the screen interval (20 feet total length) was maximized above the water table. To ensure a good seal, 3 feet of bentonite grout was placed above the filter pack. Because both wells are situated within parking lanes with minimal traffic flow, the potential for damaging the well is minimal.

W99869

1) Submit written documentation indicating the type of sealing materials, quantities used, and the date work was started and date it was completed for all well borings.

The two monitoring wells covered under this permit were terminated using the following sealing materials:

- Filter Pack Material - Number 3 Sand
  - MVE-3A – 6 Bags (100lbs)
  - MVE-3B – 11 Bags (100 lbs)

- Bentonite Seal – Bentonite Chips
  - MVE-3A – 1 Bag (50 lbs)
  - MVE-3B – 1 Bag (50 lbs)

- Well Head Material – Concrete Seal
  - MVE-3A – 6 Bags (98 lbs)
  - MVE-3B – 6 Bags (98 lbs)

W99875

1) Submit written documentation indicating the type of sealing materials, quantities used, and the date work was started and date it was completed for all well borings.

The monitoring well covered under this permit was terminated using the following sealing materials:

- Filter Pack Material – Number 3 Sand
  - MVE-7 – 18 Bags (100lbs)
- Bentonite Seal – Bentonite Chips
  - MVE-7 – 2 Bag (50 lbs)
- Well Head Material – Concrete Seal
  - MVE-7 – 12 Bags (98 lbs)

2) Submit a letter of explanation stating why surface construction was not completed according to standards.

During drilling, various moist soils were encountered that had the potential to be perched zones. Inflow from perched zones were a concern because of their potential to affect pumping rates for future dewatering efforts for our client's construction project. The objective of our investigation at this well site was to determine groundwater flow rates from surface to 48 feet bgs. To achieve this, 45 feet of screen was required to be installed to allow inflows from the saturated zone and from perched zones between the surface and the water table at 23 feet bgs. Well screens are only available in 5 and 10 foot lengths so to maximize the amount of screened interval over the depths under investigation, the screen needed to extend from 3 feet bgs to 48 feet bgs. Because surface completion includes the installation of traffic posts, the potential for damaging the well is minimal. Furthermore, the well is anticipated to be abandoned under permit within approximately two years.

W99876

1) Submit written documentation indicating the type of sealing materials, quantities used, and the date work was started and date it was completed for all well borings.

The two monitoring wells covered under this permit were terminated using the following sealing materials:

- Filter Pack Material - Number 3 Sand
  - MVE-6A – 8 Bags (100lbs)
  - MVE-6B – 8 Bags (100 lbs)
- Bentonite Seal – Bentonite Chips
  - MVE-6A – 1 Bag (50 lbs)
  - MVE-6B – 1 Bag (50 lbs)
- Well Head Material – Concrete Seal
  - MVE-6A – 12 Bags (98 lbs)
  - MVE-6B – 8 Bags (98 lbs)

If you have any questions, please call me at (858) 536-5610.

Very truly yours,
Earth Tech, Inc.

Gregory W. Delson, R.G. 6983
Project Manager

Enc: County of San Diego Response letters for review of 30-day reports for Well Permits W99794, W99795, W99869, W99875, and W99876

9675 Business Park Avenue, San Diego, California 92131-1644

RECEIVED
2001 SEP 21 PM 3 52
D. E. H.
MAILROOM

September 17, 2001

Well Permitting Clerk
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
1255 Imperial Avenue, Suite 300
San Diego, CA 92101

Subject: **Thirty-Day Drilling Report for Well Permit Number W99875, On Street Adjacent to 7601 Alvarado Road, La Mesa, California 91941**

Well Monitoring Clerk:

In accordance with the well permit referenced above, one soil boring was drilled at the site on July 5, 2001. A groundwater monitoring well was constructed in the soil boring. In accordance with the requirements of the well permit, Earth Tech is pleased to submit this thirty-day report for your records.

Following this cover letter are a Site Location Map, Site Map, and a Well Location Map (Figures 1, 2, and 9 respectively). Soil boring and groundwater monitoring well construction logs, soil and groundwater sample analytical results, and monitoring well permit are also included.

All soil cuttings and rinsate water generated during the drilling activities, as was well purge water generated during the groundwater sampling activities (July 26, 2001) were placed into UN/DOT-rated 55-gallon drums, labeled, and left on-site pending approval for appropriate disposal. We anticipate that the drummed soil, rinsate water, and purged groundwater will be transported off-site to an appropriate disposal or recycling facility within approximately one week.

If you have any questions, please call the undersigned at (858) 536-5610.

Very truly yours,
Earth Tech, Inc.

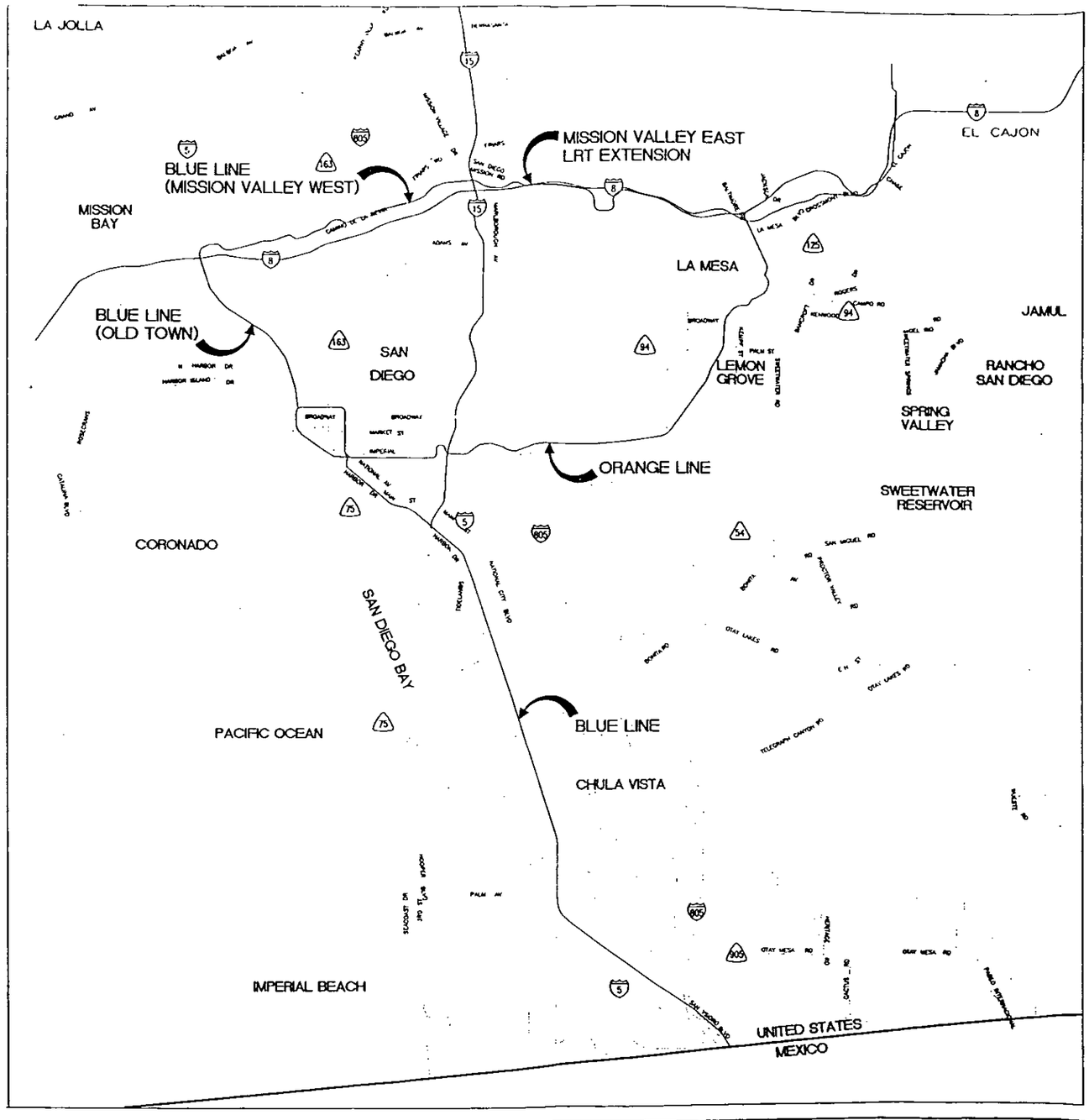
Douglas F. Roff, CEG, CHG
Environmental Group Manager

#1480 exp 3/31/03

cc

Ms. Laurie Apecechea, SAM

Telephone
858.536.5610
Facsimile
858.536.5620



N

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY
9675 BUSINESSPARK AVENUE, SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

VICINITY MAP

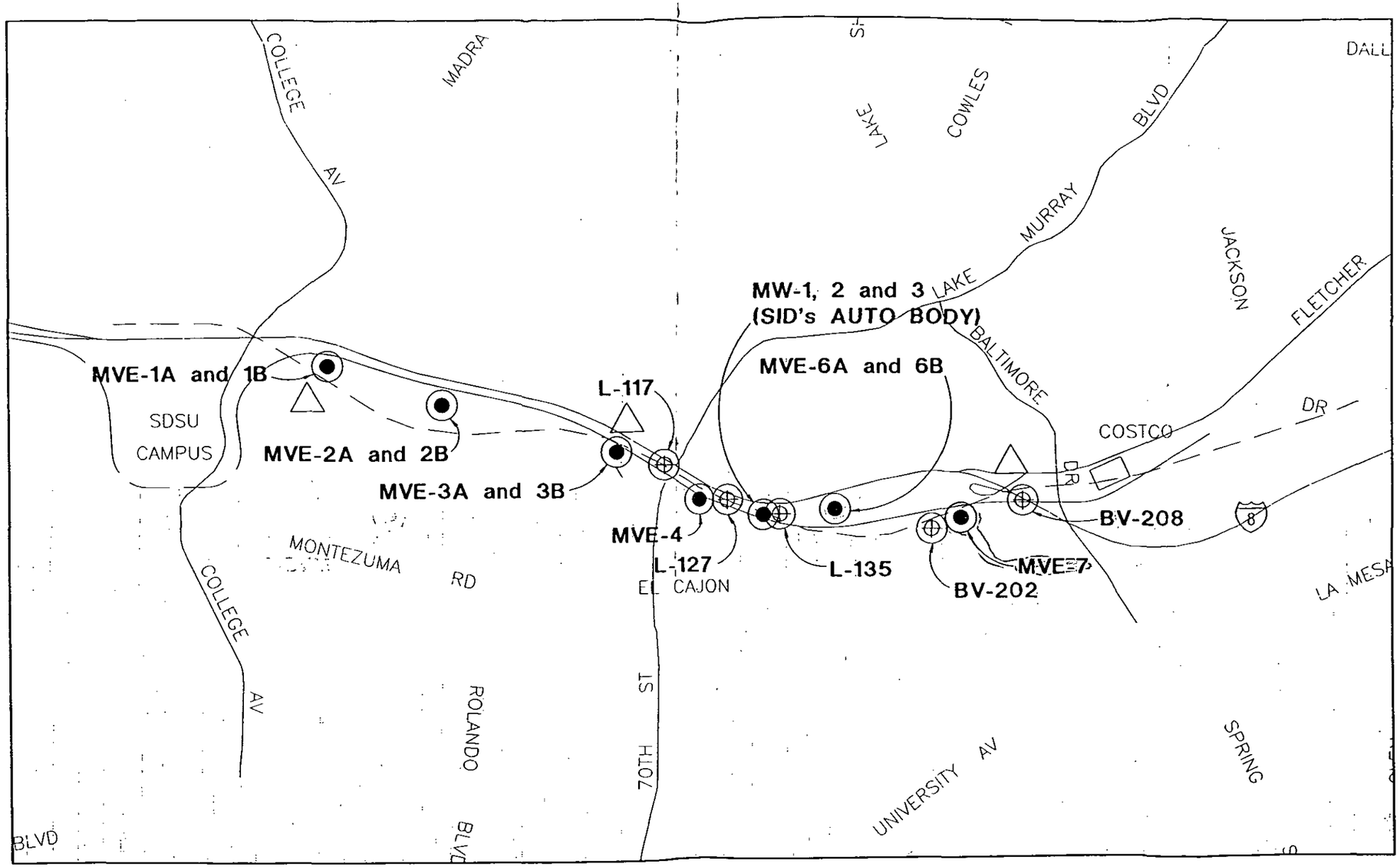
SCALE
1 : 166,666

FIGURE 1

DRAWING NO. —

SHEET NO. —

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80



LEGEND:

- PROPOSED GROUNDWATER PUMP TEST AND OBSERVATION WELL LOCATION
- EXISTING GROUNDWATER OBSERVATION WELL LOCATION
- SURFACE WATER SAMPLING LOCATIONS
- ALVARADO CREEK

LOCATION MAP

DEWATERING ASSESSMENT SAMPLING LOCATIONS

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A tyco INTERNATIONAL LTD. COMPANY
9675 BUSINESSPARK AVENUE, SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

LOCATION MAP SHOWING PROPOSED AND EXISTING GROUNDWATER WELL LOCATIONS

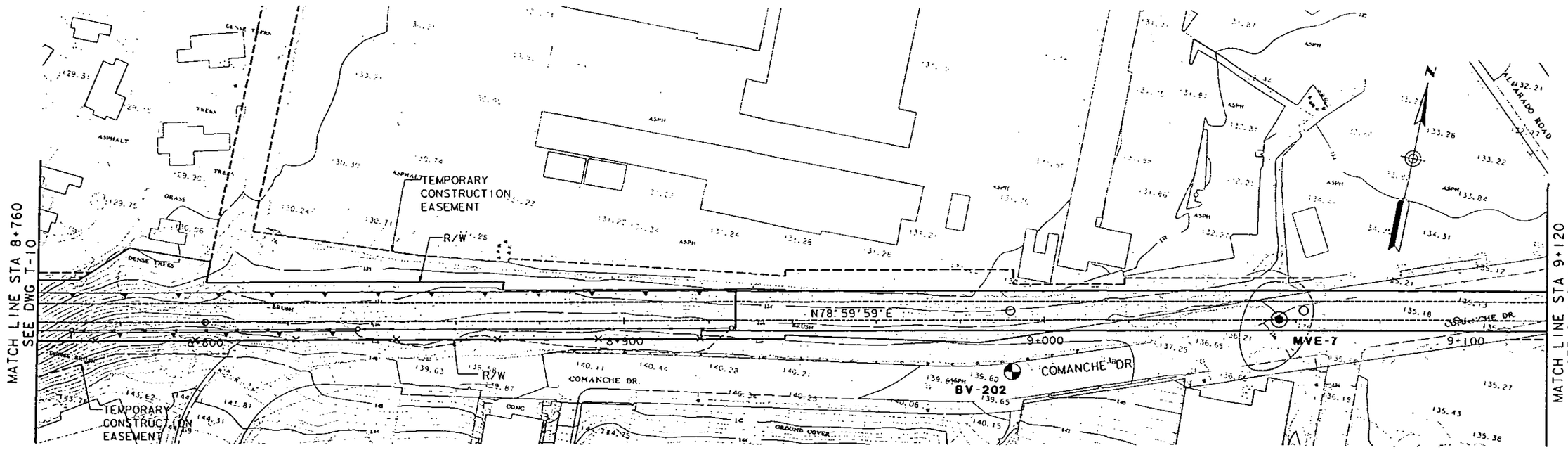
SCALE 1 : 21,000

FIGURE 2

DRAWING NO. —

SHEET NO. —

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80



LEGEND

MVE-7 — GROUNDWATER PUMP TEST WELL

BV-202 — EXISTING GROUNDWATER WELL (KLEINFELDER)

PROPOSED LIGHT RAIL TRANSIT CORRIDOR

DRAWING SOURCE: MISSION VALLEY DESIGNERS, LA MESA SEGMENT T-11, 12/00

EARTH TECH

A tyco INTERNATIONAL LTD. COMPANY

9675 BUSINESS PARK AVENUE SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

PROPOSED GROUNDWATER WELL LOCATION
FOR DEWATERING AREA 7

SCALE 1:1000

FIGURE 9

DRAWING NO. -

SHEET NO. -

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

EARTH TECH

Borehole/Well Constuction Log

Project Name: MTDB MVE LRT Dewatering		Project Number: 44102	Borehole Number: MVE-7
Borehole Location: Comanche Dr. and Saranac Pl.	*Northing:* 1861697.17	*Easting:* 6321033.02	Sheet 1 of 2
Drilling Agency: Tri County Drilling		Driller: Dennis Judkins	
Drilling Equipment: Canterra Drill Rig		Date Started: 7/5/01	Total Depth (feet): 50.0
Drilling Method: ODEX	Number of Samples: 0	Date Finished: 7/5/01	Depth to Bedrock (feet): NA
Drilling Fluid: none	Borehole Diameter (in): 8	Depth to Water (feet): *Drilling:* 15.00	*Static:* 23.05
Completion Information: 4" Sched. 40 0.02" slot PVC screen placed from 48 to 3 ft. Blank casing placed from 3 to 0 ft. #3 sand filter pack placed from 50 to 2 ft. Bentonite seal placed from 2 to 1 ft. Concrete seal placed from 1 to 0 ft.		Elevation (feet MSL): *Ground:* 449.80 *Top of Casing:* 449.80	
		Logged By: Greg Delson	Checked By: Adrianne Saboya

Depth (feet)	Samples: Number	Type	Blow Count	Percent Recovery	Time	Field Analyses: FID (ppm) Sample/Background	PID (ppm) Sample/Background	Additional Tests	Log: Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
0											Asphaltic concrete		
										SM	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) silty SAND, some fine-grained gravel, some clay, well-graded sand grains, dry, angular, no hydrocarbon odor.		
5			50/3	0%			0.0/0.0			SM	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) silty SAND, some fine-grained gravel, some clay, well-graded sand grains, dry, angular, no hydrocarbon odor.		
10													
15			50/5	0%			0.0/0.0			GW	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) GRAVEL, well graded, some sand, some silt, moist, no hydrocarbon odor.		Slightly moist soil encountered at 15 feet below ground surface.
20													
25			50/1	0%			0.0/0.0			GW	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) GRAVEL, well graded, some sand, some silt, moist, no hydrocarbon odor.		
30													

EAFB_Well(SB)\Comanche Dr. and Saranac Pl.\MTDB MVE LRT Dewatering\44102

EARTH TECH

Borehole/Well Construction Log (Continuation Sheet)

Project Name: MTDB MVE LRT Dewatering	Project Number: 44102	Borehole Number: MVE-7
Borehole Location: Comanche Dr. and Saranac Pl.		Sheet 2 of 2

Depth (feet)	Samples: Number	Samples: Type	Samples: Blow Count	Samples: Percent Recovery	Samples: Time	Field Analysis: FID (ppm) Sample/Background	Field Analysis: PID (ppm) Sample/Background	Field Analysis: Additional Tests	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram	Remarks
35			50/1	0%			0.0/0.0			GW	STADIUM CONGLOMERATE. Very dense, light olive brown (2.5Y5/4) GRAVEL, well graded, some sand, some silt, moist, no hydrocarbon odor.		
40													
45													
50											Boring terminated at 50 feet below ground surface. Groundwater table encountered at 15 feet below ground surface during drilling.		

EAFB_Wells\SB\Comanche Dr. and Saranac Pl\MTDB MVE LRT Dewatering\44102

Del Mar Analytical

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

LABORATORY REPORT

Prepared For: Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131

Attention: Greg Delson
Project: 44102.02

Sampled: 07/26/01
Received: 07/26/01
Reported: 08/22/01

This laboratory report is confidential and is intended for the sole use of Del Mar Analytical and its client. This entire report was reviewed and approved for release.

CA ELAP Certificate #1197
AZ DHS License #AZ0428

Del Mar Analytical, Irvine
Patty Mata
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

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9830 South 51st St., Suite B 120 Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									QD
DRO (C8-C24)	EPA 8015B MOD	IG3060		0.50	ND	0.9	07/30/01	08/01/01	
ORO (C25-C40)	EPA 8015B MOD	IG3060		0.50	ND	0.9	07/30/01	08/01/01	
EFH (C8 - C40)	EPA 8015B MOD	IG3060		0.50	ND	0.9	07/30/01	08/01/01	
Surrogate: n-Octacosane (45-140%)					*91.1 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Volatile Fuel Hydrocarbons	EPA 8015B	I1H0223		50	ND	1	08/02/01	08/02/01	QG
Surrogate: aaa-TFT (FID) (60-135%)					*99.2 %*				
Sample ID: IKG0960-02 (Trip Blank - Water)									
Volatile Fuel Hydrocarbons	EPA 8015B	I1H0121		50	ND	1	08/01/01	08/01/01	QG
Surrogate: aaa-TFT (FID) (60-135%)					*101 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Del Mar Analytical

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Benzene	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
Bromobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Bromochloromethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Bromodichloromethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Bromoform	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Bromomethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
n-Butylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
sec-Butylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
tert-Butylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Carbon tetrachloride	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
Chlorobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Chloroethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Chloroform	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Chloromethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
2-Chlorotoluene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
4-Chlorotoluene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Dibromochloromethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIG2817		5.0	ND	1	07/28/01	07/29/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Dibromomethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,2-Dichlorobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,3-Dichlorobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,4-Dichlorobenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Dichlorodifluoromethane	EPA 8260B	IIG2817		2.0	ND	1	07/28/01	07/29/01	
1,1-Dichloroethane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,2-Dichloroethane	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
1,1-Dichloroethene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
cis-1,2-Dichloroethene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
trans-1,2-Dichloroethene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,2-Dichloropropane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,3-Dichloropropane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
2,2-Dichloropropane	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
1,1-Dichloropropene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
cis-1,3-Dichloropropene	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
trans-1,3-Dichloropropene	EPA 8260B	IIG2817		0.50	ND	1	07/28/01	07/29/01	
Ethylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Hexachlorobutadiene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Isopropylbenzene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
p-Isopropyltoluene	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	
Methylene chloride	EPA 8260B	IIG2817		5.0	ND	1	07/28/01	07/29/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	IIG2817		1.0	ND	1	07/28/01	07/29/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Naphthalene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
n-Propylbenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Styrene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Tetrachloroethene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Toluene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,1,1-Trichloroethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,1,2-Trichloroethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Trichloroethene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Trichlorofluoromethane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,2,3-Trichloropropane	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Vinyl chloride	EPA 8260B	I1G2817		0.50	ND	1	07/28/01	07/29/01	
o-Xylene	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
m,p-Xylenes	EPA 8260B	I1G2817		1.0	ND	1	07/28/01	07/29/01	
Di-isopropyl Ether (DIPE)	EPA 8260B	I1G2817		5.0	ND	1	07/28/01	07/29/01	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	I1G2817		5.0	ND	1	07/28/01	07/29/01	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	I1G2817		5.0	ND	1	07/28/01	07/29/01	
tert-Butanol (TBA)	EPA 8260B	I1G2817		50	ND	1	07/28/01	07/29/01	
Surrogate: Dibromofluoromethane (80-120%)					*96.8 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*97.2 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-02 (Trip Blank - Water)									
Benzene	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
Bromobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Bromochloromethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Bromodichloromethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Bromoform	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Bromomethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
n-Butylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
sec-Butylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
tert-Butylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Carbon tetrachloride	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
Chlorobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Chloroethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Chloroform	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Chloromethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
2-Chlorotoluene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
4-Chlorotoluene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Dibromochloromethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,2-Dibromo-3-chloropropane	EPA 8260B	IIG3007		5.0	ND	1	07/30/01	07/30/01	
1,2-Dibromoethane (EDB)	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Dibromomethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,2-Dichlorobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,3-Dichlorobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,4-Dichlorobenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Dichlorodifluoromethane	EPA 8260B	IIG3007		2.0	ND	1	07/30/01	07/30/01	
1,1-Dichloroethane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,2-Dichloroethane	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
1,1-Dichloroethene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
cis-1,2-Dichloroethene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
trans-1,2-Dichloroethene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,2-Dichloropropane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,3-Dichloropropane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
2,2-Dichloropropane	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
1,1-Dichloropropene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
cis-1,3-Dichloropropene	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
trans-1,3-Dichloropropene	EPA 8260B	IIG3007		0.50	ND	1	07/30/01	07/30/01	
Ethylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Hexachlorobutadiene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Isopropylbenzene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
p-Isopropyltoluene	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	
Methylene chloride	EPA 8260B	IIG3007		5.0	ND	1	07/30/01	07/30/01	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	IIG3007		1.0	ND	1	07/30/01	07/30/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-02 (Trip Blank - Water)									
Naphthalene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
n-Propylbenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Styrene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,1,1,2-Tetrachloroethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,1,2,2-Tetrachloroethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Tetrachloroethene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Toluene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,2,3-Trichlorobenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,2,4-Trichlorobenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,1,1-Trichloroethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,1,2-Trichloroethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Trichloroethene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Trichlorofluoromethane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,2,3-Trichloropropane	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,2,4-Trimethylbenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
1,3,5-Trimethylbenzene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Vinyl chloride	EPA 8260B	I1G3007		0.50	ND	1	07/30/01	07/30/01	
o-Xylene	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
m,p-Xylenes	EPA 8260B	I1G3007		1.0	ND	1	07/30/01	07/30/01	
Di-isopropyl Ether (DIPE)	EPA 8260B	I1G3007		5.0	ND	1	07/30/01	07/30/01	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	I1G3007		5.0	ND	1	07/30/01	07/30/01	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	I1G3007		5.0	ND	1	07/30/01	07/30/01	
tert-Butanol (TBA)	EPA 8260B	I1G3007		50	ND	1	07/30/01	07/30/01	
Surrogate: Dibromofluoromethane (80-120%)					*116 %*				
Surrogate: Toluene-d8 (80-120%)					*88.4 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*93.2 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL Limit ug/l	Reporting Limit ug/l	Sample Result ug/l	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IKG0960-01RE1 (MVE-7 - Water)									
Acenaphthene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Acenaphthylene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Aniline	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Anthracene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Azobenzene	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Benzidine	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
Benzoic acid	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
Benzo(a)anthracene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzo(b)fluoranthene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzo(k)fluoranthene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzo(g,h,i)perylene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzo(a)pyrene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Benzyl alcohol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Bis(2-chloroethoxy)methane	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Bis(2-chloroethyl)ether	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Bis(2-chloroisopropyl)ether	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Bis(2-ethylhexyl)phthalate	EPA 625	I1G3030		50	ND	0.9	07/27/01	08/02/01	
4-Bromophenyl phenyl ether	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Butyl benzyl phthalate	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
4-Chloroaniline	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2-Chloronaphthalene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4-Chloro-3-methylphenol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
2-Chlorophenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4-Chlorophenyl phenyl ether	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Chrysene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Dibenz(a,h)anthracene	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Dibenzofuran	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Di-n-butyl phthalate	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
1,3-Dichlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
1,4-Dichlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
1,2-Dichlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
3,3-Dichlorobenzidine	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
2,4-Dichlorophenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Diethyl phthalate	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2,4-Dimethylphenol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Dimethyl phthalate	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4,6-Dinitro-2-methylphenol	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
2,4-Dinitrophenol	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
2,4-Dinitrotoluene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2,6-Dinitrotoluene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Di-n-octyl phthalate	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01RE1 (MVE-7 - Water)									
Fluoranthene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Fluorene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Hexachlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Hexachlorobutadiene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Hexachlorocyclopentadiene	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
Hexachloroethane	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Indeno(1,2,3-cd)pyrene	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Isophorone	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2-Methylnaphthalene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2-Methylphenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4-Methylphenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Naphthalene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2-Nitroaniline	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
3-Nitroaniline	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
4-Nitroaniline	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
Nitrobenzene	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
2-Nitrophenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
4-Nitrophenol	EPA 625	I1G3030		100	ND	0.9	07/27/01	08/02/01	
n-Nitrosodiphenylamine	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
n-Nitroso-di-n-propylamine	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Pentachlorophenol	EPA 625	I1G3030		40	ND	0.9	07/27/01	08/02/01	
Phenanthrene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Phenol	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
Pyrene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
1,2,4-Trichlorobenzene	EPA 625	I1G3030		10	ND	0.9	07/27/01	08/02/01	
2,4,5-Trichlorophenol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
2,4,6-Trichlorophenol	EPA 625	I1G3030		20	ND	0.9	07/27/01	08/02/01	
Surrogate: 2-Fluorophenol (30-110%)					*75.8 %*				
Surrogate: Phenol-d6 (40-110%)					*88.4 %*				
Surrogate: 2,4,6-Tribromophenol (55-140%)					*90.0 %*				
Surrogate: Nitrobenzene-d5 (40-110%)					*81.3 %*				
Surrogate: 2-Fluorobiphenyl (40-120%)					*77.5 %*				
Surrogate: Terphenyl-d14 (55-160%)					*93.1 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Aroclor 1016	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1221	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1232	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1242	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1248	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1254	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Aroclor 1260	EPA 608	I1G3033		1.0	ND	1	07/30/01	07/30/01	
Surrogate: Decachlorobiphenyl (30-120%)					*79.7 %*				

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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Arsenic	EPA 200.7	IIG2734		0.0050	ND	1	07/27/01	07/30/01	
Beryllium	EPA 200.7	IIG2734		0.0020	ND	1	07/27/01	07/30/01	
Cadmium	EPA 200.7	IIG2734		0.0050	ND	1	07/27/01	07/30/01	
Chromium	EPA 200.7	IIG2734		0.0050	ND	1	07/27/01	07/30/01	
Copper	EPA 200.7	IIG2734		0.010	ND	1	07/27/01	07/30/01	
Iron	EPA 200.7	IIG2734		0.040	**1.6**	1	07/27/01	07/30/01	
Lead	EPA 200.7	IIG2734		0.0050	**0.0050**	1	07/27/01	07/30/01	
Manganese	EPA 200.7	IIG2734		0.020	**0.53**	1	07/27/01	07/30/01	
Mercury	EPA 245.1	IIG2733		0.00020	ND	1	07/27/01	07/27/01	
Nickel	EPA 200.7	IIG2734		0.010	ND	1	07/27/01	07/30/01	
Silver	EPA 200.7	IIG2734		0.010	ND	1	07/27/01	07/30/01	
Sodium	EPA 200.7	IIG2734		0.50	**390**	1	07/27/01	07/31/01	
Thallium	EPA 200.7	IIG2734		0.0050	ND	1	07/27/01	07/30/01	
Zinc	EPA 200.7	IIG2734		0.020	**0.20**	1	07/27/01	07/30/01	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Chromium VI	EPA 7196A	I1G2754		0.010	ND	1	07/27/01	07/27/01	
Total Cyanide	EPA 335.2	I1G3068		0.025	ND	1	07/30/01	07/30/01	
Dissolved Oxygen	EPA 360.1	I1G2766		1.0	**4.3**	1	07/27/01	07/27/01	
Dissolved Sulfide	SM4500-S-B,C,	I1G3022		0.10	ND	1	07/27/01	07/30/01	
Fluoride	EPA 300.0	I1H0323		1.0	ND	2	08/03/01	08/03/01	RL-1
Hardness (as CaCO3)	EPA 130.2	I1G3151		4.0	**400**	1	07/31/01	07/31/01	
Sulfide as H2S	SM4500-S, H	I1G3038		0.10	ND	1	07/30/01	07/30/01	
Nitrate-N	EPA 300.0	I1G2709		0.55	**2.4**	5	07/27/01	07/27/01	
Nitrite-N	EPA 300.0	I1G2709		0.75	ND	5	07/27/01	07/27/01	RL-1
Phosphorus	EPA 365.3	I1H0149		0.050	**0.095**	1	08/01/01	08/01/01	
Residual Chlorine	EPA 330.5	I1G2746		0.10	ND	1	07/27/01	07/27/01	
Surfactants (MBAS)	SM5540-C	I1G2775		0.10	ND	1	07/27/01	07/27/01	
Total Nitrogen	Calculation	I1H0622		1.0	**2.4**	1	08/06/01	08/06/01	
Total Suspended Solids	EPA 160.2	I1G2764		10	**34**	1	07/27/01	07/27/01	
			ml/l/hr	ml/l/hr	ml/l/hr				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Total Settleable Solids	EPA 160.5	I1G2771		0.10	ND	1	07/27/01	07/27/01	
			NTU	NTU	NTU				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Turbidity	EPA 180.1	I1G2770		1.0	**23**	1	07/27/01	07/27/01	

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Sampled: 07/26/01
Received: 07/26/01

INORGANICS

Analyte	Method	Batch	MDL	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			pH Units	pH Units	pH Units				
Sample ID: IKG0960-01 (MVE-7 - Water)									
pH	EPA 150.1	IIG2767		NA	7.31	1	07/27/01	07/27/01	
			umhos/cm	umhos/cm	umhos/cm				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Specific Conductance	EPA 120.1	IIG2757		1.0	2400	1	07/27/01	07/27/01	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
Total Kjeldahl Nitrogen	SM4500-N-O,C	C1G3103		0.50	ND	1	07/31/01	07/31/01	

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Phenols by EPA Method 8041

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IKG0960-01 (MVE-7 - Water)									
4-Chloro-3-methylphenol	EPA 8041	1G31006	0.65	2.0	ND	1	07/31/01	08/02/01	
2-Chlorophenol	EPA 8041	1G31006	1.1	2.0	ND	1	07/31/01	08/02/01	
2,4-Dichlorophenol	EPA 8041	1G31006	0.34	2.0	ND	1	07/31/01	08/02/01	
2,4-Dimethylphenol	EPA 8041	1G31006	1.4	2.0	ND	1	07/31/01	08/02/01	
2,4-Dinitrophenol	EPA 8041	1G31006	18	20	ND	1	07/31/01	08/02/01	
2-Methyl-4,6-dinitrophenol	EPA 8041	1G31006	16	20	ND	1	07/31/01	08/02/01	
2-Nitrophenol	EPA 8041	1G31006	0.39	2.0	ND	1	07/31/01	08/02/01	
4-Nitrophenol	EPA 8041	1G31006	4.1	20	ND	1	07/31/01	08/02/01	
Pentachlorophenol	EPA 8041	1G31006	14	20	ND	1	07/31/01	08/02/01	
Phenol	EPA 8041	1G31006	0.42	2.0	ND	1	07/31/01	08/02/01	
2,4,6-Trichlorophenol	EPA 8041	1G31006	0.48	2.0	ND	1	07/31/01	08/02/01	
Surrogate: 2,4,6-Tribromophenol (19-122%)					*94.4 %*				

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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (EPA 8015 CADHS Modified)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3060 Extracted: 07/30/01											
Blank Analyzed: 08/01/01 (I1G3060-BLK1)											QD
DRO (C8-C24)	ND	0.50		mg/l							
ORO (C25-C40)	ND	0.50		mg/l							
EFH (C8 - C40)	ND	0.50		mg/l							
Surrogate: n-Octacosane	*0.179*			*mg/l*	*0.200*		*89.5*	*45-140*			
LCS Analyzed: 08/01/01 (I1G3060-BS1)											QD
EFH (C8 - C40)	0.856	0.50		mg/l	1.00		85.6	55-115			
Surrogate: n-Octacosane	*0.179*			*mg/l*	*0.200*		*89.5*	*45-140*			
LCS Dup Analyzed: 08/01/01 (I1G3060-BSD1)											QD
EFH (C8 - C40)	0.821	0.50		mg/l	1.00		82.1	55-115	4.17	35	*M-NR1*
Surrogate: n-Octacosane	*0.175*			*mg/l*	*0.200*		*87.5*	*45-140*			

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1H0121 Extracted: 08/01/01											
Blank Analyzed: 08/01/01 (I1H0121-BLK1)											
Volatile Fuel Hydrocarbons	ND	50		ug/l							QG
Surrogate: aaa-TFT (FID)	*10.1*			*ug/l*	*10.0*		*101*	*60-135*			
LCS Analyzed: 08/01/01 (I1H0121-BS1)											
Volatile Fuel Hydrocarbons	238	50		ug/l	220		108	70-125			QG
Surrogate: aaa-TFT (FID)	*9.74*			*ug/l*	*10.0*		*97.4*	*60-135*			
Matrix Spike Analyzed: 08/01/01 (I1H0121-MS1)					**Source: IKG1025-01**						
Volatile Fuel Hydrocarbons	233	50		ug/l	220	ND	100	65-130			QG
Surrogate: aaa-TFT (FID)	*10.9*			*ug/l*	*10.0*		*109*	*60-135*			
Matrix Spike Analyzed: 08/01/01 (I1H0121-MS2)					**Source: IKG1027-04**						
Volatile Fuel Hydrocarbons	238	50		ug/l	220	ND	103	65-130			QG
Surrogate: aaa-TFT (FID)	*10.4*			*ug/l*	*10.0*		*104*	*60-135*			
Matrix Spike Dup Analyzed: 08/01/01 (I1H0121-MSD1)					**Source: IKG1025-01**						
Volatile Fuel Hydrocarbons	222	50		ug/l	220	ND	95.5	65-130	4.84	20	QG
Surrogate: aaa-TFT (FID)	*9.83*			*ug/l*	*10.0*		*98.3*	*60-135*			
Matrix Spike Dup Analyzed: 08/01/01 (I1H0121-MSD2)					**Source: IKG1027-04**						
Volatile Fuel Hydrocarbons	229	50		ug/l	220	ND	99.1	65-130	3.85	20	QG
Surrogate: aaa-TFT (FID)	*9.72*			*ug/l*	*10.0*		*97.2*	*60-135*			
Batch: I1H0223 Extracted: 08/02/01											
Blank Analyzed: 08/02/01 (I1H0223-BLK1)											
Volatile Fuel Hydrocarbons	ND	50		ug/l							QG
Surrogate: aaa-TFT (FID)	*9.47*			*ug/l*	*10.0*		*94.7*	*60-135*			

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030B/8015B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1H0223 Extracted: 08/02/01											
LCS Analyzed: 08/02/01 (I1H0223-BS1)											
Volatile Fuel Hydrocarbons	210	50		ug/l	220		95.5	70-125			QG
Surrogate: aaa-TFT (FID)	*10.1*			*ug/l*	*10.0*		*101*	*60-135*			
Matrix Spike Analyzed: 08/02/01 (I1H0223-MS1)						**Source: IKG1086-02**					
Volatile Fuel Hydrocarbons	217	50		ug/l	220	ND	94.3	65-130			QG
Surrogate: aaa-TFT (FID)	*9.89*			*ug/l*	*10.0*		*98.9*	*60-135*			
Matrix Spike Dup Analyzed: 08/02/01 (I1H0223-MSD1)						**Source: IKG1086-02**					
Volatile Fuel Hydrocarbons	225	50		ug/l	220	ND	97.9	65-130	3.62	20	QG
Surrogate: aaa-TFT (FID)	*10.2*			*ug/l*	*10.0*		*102*	*60-135*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
Blank Analyzed: 07/28/01 (I1G2817-BLK1)											
Benzene	ND	0.50		ug/l							
Bromobenzene	ND	1.0		ug/l							
Bromochloromethane	ND	1.0		ug/l							
Bromodichloromethane	ND	1.0		ug/l							
Bromoform	ND	1.0		ug/l							
Bromomethane	ND	1.0		ug/l							
n-Butylbenzene	ND	1.0		ug/l							
sec-Butylbenzene	ND	1.0		ug/l							
tert-Butylbenzene	ND	1.0		ug/l							
Carbon tetrachloride	ND	0.50		ug/l							
Chlorobenzene	ND	1.0		ug/l							
Chloroethane	ND	1.0		ug/l							
Chloroform	ND	1.0		ug/l							
Chloromethane	ND	1.0		ug/l							
2-Chlorotoluene	ND	1.0		ug/l							
4-Chlorotoluene	ND	1.0		ug/l							
Dibromochloromethane	ND	1.0		ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0		ug/l							
1,2-Dibromoethane (EDB)	ND	1.0		ug/l							
Dibromomethane	ND	1.0		ug/l							
1,2-Dichlorobenzene	ND	1.0		ug/l							
1,3-Dichlorobenzene	ND	1.0		ug/l							
1,4-Dichlorobenzene	ND	1.0		ug/l							
Dichlorodifluoromethane	ND	2.0		ug/l							
1,1-Dichloroethane	ND	1.0		ug/l							
1,2-Dichloroethane	ND	0.50		ug/l							
1,1-Dichloroethene	ND	1.0		ug/l							
cis-1,2-Dichloroethene	ND	1.0		ug/l							
trans-1,2-Dichloroethene	ND	1.0		ug/l							
1,2-Dichloropropane	ND	1.0		ug/l							
1,3-Dichloropropane	ND	1.0		ug/l							
2,2-Dichloropropane	ND	1.0		ug/l							
1,1-Dichloropropene	ND	1.0		ug/l							
cis-1,3-Dichloropropene	ND	0.50		ug/l							
trans-1,3-Dichloropropene	ND	0.50		ug/l							
Ethylbenzene	ND	1.0		ug/l							

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
Blank Analyzed: 07/28/01 (I1G2817-BLK1)											
Hexachlorobutadiene	ND	1.0		ug/l							
Isopropylbenzene	ND	1.0		ug/l							
p-Isopropyltoluene	ND	1.0		ug/l							
Methylene chloride	ND	5.0		ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0		ug/l							
Naphthalene	ND	1.0		ug/l							
n-Propylbenzene	ND	1.0		ug/l							
Styrene	ND	1.0		ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0		ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0		ug/l							
Tetrachloroethene	ND	1.0		ug/l							
Toluene	ND	1.0		ug/l							
1,2,3-Trichlorobenzene	ND	1.0		ug/l							
1,2,4-Trichlorobenzene	ND	1.0		ug/l							
1,1,1-Trichloroethane	ND	1.0		ug/l							
1,1,2-Trichloroethane	ND	1.0		ug/l							
Trichloroethene	ND	1.0		ug/l							
Trichlorofluoromethane	ND	1.0		ug/l							
1,2,3-Trichloropropane	ND	1.0		ug/l							
1,2,4-Trimethylbenzene	ND	1.0		ug/l							
1,3,5-Trimethylbenzene	ND	1.0		ug/l							
Vinyl chloride	ND	0.50		ug/l							
o-Xylene	ND	1.0		ug/l							
m,p-Xylenes	ND	1.0		ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0		ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0		ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0		ug/l							
tert-Butanol (TBA)	ND	50		ug/l							
Surrogate: Dibromofluoromethane	*20.9*			*ug/l*	*25.0*		*83.6*	*80-120*			
Surrogate: Toluene-d8	*24.8*			*ug/l*	*25.0*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*			*ug/l*	*25.0*		*94.4*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
LCS Analyzed: 07/28/01 (I1G2817-BS1)											
Benzene	23.4	0.50		ug/l	25.0		93.6	75-130			
Bromobenzene	24.8	1.0		ug/l	25.0		99.2	75-130			
Bromochloromethane	22.3	1.0		ug/l	25.0		89.2	70-140			
Bromodichloromethane	21.6	1.0		ug/l	25.0		86.4	75-135			
Bromoform	27.3	1.0		ug/l	25.0		109	55-130			
Bromomethane	18.2	1.0		ug/l	25.0		72.8	65-140			
n-Butylbenzene	25.2	1.0		ug/l	25.0		101	75-130			
sec-Butylbenzene	27.5	1.0		ug/l	25.0		110	80-135			
tert-Butylbenzene	25.9	1.0		ug/l	25.0		104	75-130			
Carbon tetrachloride	26.5	0.50		ug/l	25.0		106	70-160			
Chlorobenzene	24.5	1.0		ug/l	25.0		98.0	75-130			
Chloroethane	21.4	1.0		ug/l	25.0		85.6	65-135			
Chloroform	20.5	1.0		ug/l	25.0		82.0	75-130			
Chloromethane	16.4	1.0		ug/l	25.0		65.6	45-130			
2-Chlorotoluene	23.9	1.0		ug/l	25.0		95.6	75-130			
4-Chlorotoluene	23.5	1.0		ug/l	25.0		94.0	80-130			
Dibromochloromethane	23.4	1.0		ug/l	25.0		93.6	70-140			
1,2-Dibromo-3-chloropropane	24.3	5.0		ug/l	25.0		97.2	50-145			
1,2-Dibromoethane (EDB)	23.7	1.0		ug/l	25.0		94.8	60-145			
Dibromomethane	22.9	1.0		ug/l	25.0		91.6	65-135			
1,2-Dichlorobenzene	24.4	1.0		ug/l	25.0		97.6	75-130			
1,3-Dichlorobenzene	24.2	1.0		ug/l	25.0		96.8	75-130			
1,4-Dichlorobenzene	24.2	1.0		ug/l	25.0		96.8	80-125			
Dichlorodifluoromethane	17.8	2.0		ug/l	25.0		71.2	10-140			
1,1-Dichloroethane	21.0	1.0		ug/l	25.0		84.0	75-135			
1,2-Dichloroethane	20.9	0.50		ug/l	25.0		83.6	65-140			
1,1-Dichloroethene	23.7	1.0		ug/l	25.0		94.8	70-145			
cis-1,2-Dichloroethene	20.1	1.0		ug/l	25.0		80.4	70-130			
trans-1,2-Dichloroethene	23.2	1.0		ug/l	25.0		92.8	75-140			
1,2-Dichloropropane	21.7	1.0		ug/l	25.0		86.8	75-130			
1,3-Dichloropropane	22.2	1.0		ug/l	25.0		88.8	65-140			
2,2-Dichloropropane	22.2	1.0		ug/l	25.0		88.8	75-150			
1,1-Dichloropropene	24.1	1.0		ug/l	25.0		96.4	75-140			
cis-1,3-Dichloropropene	21.8	0.50		ug/l	25.0		87.2	65-135			
trans-1,3-Dichloropropene	21.9	0.50		ug/l	25.0		87.6	65-140			
Ethylbenzene	25.3	1.0		ug/l	25.0		101	75-135			

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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
LCS Analyzed: 07/28/01 (I1G2817-BS1)											
Hexachlorobutadiene	26.6	1.0		ug/l	25.0		106	75-150			
Isopropylbenzene	26.2	1.0		ug/l	25.0		105	80-135			
p-Isopropyltoluene	25.5	1.0		ug/l	25.0		102	75-130			
Methylene chloride	18.2	5.0		ug/l	25.0		72.8	70-125			
Methyl-tert-butyl Ether (MTBE)	20.0	1.0		ug/l	25.0		80.0	65-135			
Naphthalene	26.4	1.0		ug/l	25.0		106	50-145			
n-Propylbenzene	26.0	1.0		ug/l	25.0		104	80-135			
Styrene	24.9	1.0		ug/l	25.0		99.6	75-140			
1,1,1,2-Tetrachloroethane	24.6	1.0		ug/l	25.0		98.4	75-135			
1,1,2,2-Tetrachloroethane	22.7	1.0		ug/l	25.0		90.8	70-135			
Tetrachloroethene	28.4	1.0		ug/l	25.0		114	75-130			
Toluene	24.3	1.0		ug/l	25.0		97.2	75-130			
1,2,3-Trichlorobenzene	26.1	1.0		ug/l	25.0		104	50-140			
1,2,4-Trichlorobenzene	26.3	1.0		ug/l	25.0		105	70-130			
1,1,1-Trichloroethane	23.5	1.0		ug/l	25.0		94.0	75-140			
1,1,2-Trichloroethane	21.8	1.0		ug/l	25.0		87.2	65-130			
Trichloroethene	26.4	1.0		ug/l	25.0		106	75-130			
Trichlorofluoromethane	22.9	1.0		ug/l	25.0		91.6	55-145			
1,2,3-Trichloropropane	23.8	1.0		ug/l	25.0		95.2	60-140			
1,2,4-Trimethylbenzene	24.6	1.0		ug/l	25.0		98.4	80-130			
1,3,5-Trimethylbenzene	25.1	1.0		ug/l	25.0		100	80-135			
Vinyl chloride	18.8	0.50		ug/l	25.0		75.2	45-140			
o-Xylene	24.4	1.0		ug/l	25.0		97.6	75-130			
m,p-Xylenes	50.8	1.0		ug/l	50.0		102	75-135			
Di-isopropyl Ether (DIPE)	19.0	5.0		ug/l	25.0		76.0	65-135			
Ethyl tert-Butyl Ether (ETBE)	19.3	5.0		ug/l	25.0		77.2	65-135			
tert-Amyl Methyl Ether (TAME)	19.1	5.0		ug/l	25.0		76.4	60-135			
tert-Butanol (TBA)	121	50		ug/l	125		96.8	55-160			
Surrogate: Dibromofluoromethane	*21.0*			*ug/l*	*25.0*		*84.0*	*80-120*			
Surrogate: Toluene-d8	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.5*			*ug/l*	*25.0*		*94.0*	*80-120*			

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
Matrix Spike Analyzed: 07/28/01 (I1G2817-MS1)						Source: IKG0939-16					
Benzene	21.6	0.50		ug/l	25.0	ND	85.9	70-140			
Bromodichloromethane	21.1	1.0		ug/l	25.0	ND	84.4	75-145			
Bromoform	25.7	1.0		ug/l	25.0	ND	103	70-150			
Chlorobenzene	22.7	1.0		ug/l	25.0	ND	90.8	75-130			
Chloroform	19.2	1.0		ug/l	25.0	ND	76.8	75-150			
Dibromochloromethane	22.2	1.0		ug/l	25.0	ND	88.8	70-145			
1,4-Dichlorobenzene	23.0	1.0		ug/l	25.0	ND	92.0	80-145			
1,1-Dichloroethane	19.2	1.0		ug/l	25.0	ND	76.8	75-160			
1,2-Dichloroethane	21.7	0.50		ug/l	25.0	1.5	80.8	65-160			
1,1-Dichloroethene	21.1	1.0		ug/l	25.0	ND	84.4	65-165			
Ethylbenzene	23.1	1.0		ug/l	25.0	ND	92.4	80-135			
Methyl-tert-butyl Ether (MTBE)	19.9	1.0		ug/l	25.0	ND	78.0	65-150			
Naphthalene	23.7	1.0		ug/l	25.0	ND	91.8	50-155			
Tetrachloroethene	24.7	1.0		ug/l	25.0	ND	98.8	75-155			
Toluene	22.7	1.0		ug/l	25.0	ND	90.0	75-135			
Trichloroethene	23.3	1.0		ug/l	25.0	ND	93.2	75-130			
Vinyl chloride	17.7	0.50		ug/l	25.0	ND	70.8	40-190			
o-Xylene	22.7	1.0		ug/l	25.0	ND	90.8	75-150			
m,p-Xylenes	46.0	1.0		ug/l	50.0	ND	92.0	70-140			
Di-isopropyl Ether (DIPE)	18.7	5.0		ug/l	25.0	ND	74.8	65-135			
Ethyl tert-Butyl Ether (ETBE)	19.0	5.0		ug/l	25.0	ND	76.0	65-135			
tert-Amyl Methyl Ether (TAME)	19.1	5.0		ug/l	25.0	ND	76.4	60-135			
tert-Butanol (TBA)	112	50		ug/l	125	ND	89.6	55-160			
Surrogate: Dibromofluoromethane	*21.2*			*ug/l*	*25.0*		*84.8*	*80-120*			
Surrogate: Toluene-d8	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*			*ug/l*	*25.0*		*96.0*	*80-120*			
Matrix Spike Dup Analyzed: 07/28/01 (I1G2817-MSD1)						Source: IKG0939-16					
Benzene	21.5	0.50		ug/l	25.0	ND	85.5	70-140	0.464	20	
Bromodichloromethane	20.9	1.0		ug/l	25.0	ND	83.6	75-145	0.952	20	
Bromoform	25.7	1.0		ug/l	25.0	ND	103	70-150	0.00	20	
Chlorobenzene	22.7	1.0		ug/l	25.0	ND	90.8	75-130	0.00	20	
Chloroform	19.2	1.0		ug/l	25.0	ND	76.8	75-150	0.00	20	
Dibromochloromethane	22.1	1.0		ug/l	25.0	ND	88.4	70-145	0.451	20	
1,4-Dichlorobenzene	23.0	1.0		ug/l	25.0	ND	92.0	80-145	0.00	20	
1,1-Dichloroethane	19.2	1.0		ug/l	25.0	ND	76.8	75-160	0.00	20	

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Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2817 Extracted: 07/28/01											
Matrix Spike Dup Analyzed: 07/28/01 (I1G2817-MSD1)						Source: IKG0939-16					
1,2-Dichloroethane	21.7	0.50		ug/l	25.0	1.5	80.8	65-160	0.00	20	
1,1-Dichloroethene	21.0	1.0		ug/l	25.0	ND	84.0	65-165	0.475	20	
Ethylbenzene	22.8	1.0		ug/l	25.0	ND	91.2	80-135	1.31	20	
Methyl-tert-butyl Ether (MTBE)	20.3	1.0		ug/l	25.0	ND	79.6	65-150	1.99	20	
Naphthalene	24.5	1.0		ug/l	25.0	ND	95.0	50-155	3.32	20	
Tetrachloroethene	24.5	1.0		ug/l	25.0	ND	98.0	75-155	0.813	20	
Toluene	22.8	1.0		ug/l	25.0	ND	90.4	75-135	0.440	20	
Trichloroethene	23.1	1.0		ug/l	25.0	ND	92.4	75-130	0.862	20	
Vinyl chloride	17.4	0.50		ug/l	25.0	ND	69.6	40-190	1.71	25	
o-Xylene	22.4	1.0		ug/l	25.0	ND	89.6	75-150	1.33	20	
m,p-Xylenes	45.6	1.0		ug/l	50.0	ND	91.2	70-140	0.873	20	
Di-isopropyl Ether (DIPE)	18.9	5.0		ug/l	25.0	ND	75.6	65-135	1.06	20	
Ethyl tert-Butyl Ether (ETBE)	19.3	5.0		ug/l	25.0	ND	77.2	65-135	1.57	20	
tert-Amyl Methyl Ether (TAME)	19.3	5.0		ug/l	25.0	ND	77.2	60-135	1.04	20	
tert-Butanol (TBA)	115	50		ug/l	125	ND	92.0	55-160	2.64	40	
Surrogate: Dibromofluoromethane	*21.2*			*ug/l*	*25.0*		*84.8*	*80-120*			
Surrogate: Toluene-d8	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*			*ug/l*	*25.0*		*95.2*	*80-120*			
Batch: I1G3007 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3007-BLK1)											
Benzene	ND	0.50		ug/l							
Bromobenzene	ND	1.0		ug/l							
Bromochloromethane	ND	1.0		ug/l							
Bromodichloromethane	ND	1.0		ug/l							
Bromoform	ND	1.0		ug/l							
Bromomethane	ND	1.0		ug/l							
n-Butylbenzene	ND	1.0		ug/l							
sec-Butylbenzene	ND	1.0		ug/l							
tert-Butylbenzene	ND	1.0		ug/l							
Carbon tetrachloride	ND	0.50		ug/l							
Chlorobenzene	ND	1.0		ug/l							
Chloroethane	ND	1.0		ug/l							
Chloroform	ND	1.0		ug/l							
Chloromethane	ND	1.0		ug/l							

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Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3007-BLK1)											
2-Chlorotoluene	ND	1.0		ug/l							
4-Chlorotoluene	ND	1.0		ug/l							
Dibromochloromethane	ND	1.0		ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0		ug/l							
1,2-Dibromoethane (EDB)	ND	1.0		ug/l							
Dibromomethane	ND	1.0		ug/l							
1,2-Dichlorobenzene	ND	1.0		ug/l							
1,3-Dichlorobenzene	ND	1.0		ug/l							
1,4-Dichlorobenzene	ND	1.0		ug/l							
Dichlorodifluoromethane	ND	2.0		ug/l							
1,1-Dichloroethane	ND	1.0		ug/l							
1,2-Dichloroethane	ND	0.50		ug/l							
1,1-Dichloroethene	ND	1.0		ug/l							
cis-1,2-Dichloroethene	ND	1.0		ug/l							
trans-1,2-Dichloroethene	ND	1.0		ug/l							
1,2-Dichloropropane	ND	1.0		ug/l							
1,3-Dichloropropane	ND	1.0		ug/l							
2,2-Dichloropropane	ND	1.0		ug/l							
1,1-Dichloropropene	ND	1.0		ug/l							
cis-1,3-Dichloropropene	ND	0.50		ug/l							
trans-1,3-Dichloropropene	ND	0.50		ug/l							
Ethylbenzene	ND	1.0		ug/l							
Hexachlorobutadiene	ND	1.0		ug/l							
Isopropylbenzene	ND	1.0		ug/l							
p-Isopropyltoluene	ND	1.0		ug/l							
Methylene chloride	ND	5.0		ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0		ug/l							
Naphthalene	ND	1.0		ug/l							
n-Propylbenzene	ND	1.0		ug/l							
Styrene	ND	1.0		ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0		ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0		ug/l							
Tetrachloroethene	ND	1.0		ug/l							
Toluene	ND	1.0		ug/l							
1,2,3-Trichlorobenzene	ND	1.0		ug/l							
1,2,4-Trichlorobenzene	ND	1.0		ug/l							

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Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3007-BLK1)											
1,1,1-Trichloroethane	ND	1.0		ug/l							
1,1,2-Trichloroethane	ND	1.0		ug/l							
Trichloroethene	ND	1.0		ug/l							
Trichlorofluoromethane	ND	1.0		ug/l							
1,2,3-Trichloropropane	ND	1.0		ug/l							
1,2,4-Trimethylbenzene	ND	1.0		ug/l							
1,3,5-Trimethylbenzene	ND	1.0		ug/l							
Vinyl chloride	ND	0.50		ug/l							
o-Xylene	ND	1.0		ug/l							
m,p-Xylenes	ND	1.0		ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0		ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0		ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0		ug/l							
tert-Butanol (TBA)	ND	50		ug/l							
Surrogate: Dibromofluoromethane	*28.6*			*ug/l*	*25.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*23.9*			*ug/l*	*25.0*		*95.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.0*			*ug/l*	*25.0*		*88.0*	*80-120*			
LCS Analyzed: 07/30/01 (I1G3007-BS1)											
Benzene	23.9	0.50		ug/l	25.0		95.6	75-130			
Bromobenzene	24.8	1.0		ug/l	25.0		99.2	75-130			
Bromochloromethane	28.3	1.0		ug/l	25.0		113	70-140			
Bromodichloromethane	25.3	1.0		ug/l	25.0		101	75-135			
Bromoform	28.6	1.0		ug/l	25.0		114	55-130			
Bromomethane	20.9	1.0		ug/l	25.0		83.6	65-140			
n-Butylbenzene	27.9	1.0		ug/l	25.0		112	75-130			
sec-Butylbenzene	29.2	1.0		ug/l	25.0		117	80-135			
tert-Butylbenzene	26.9	1.0		ug/l	25.0		108	75-130			
Carbon tetrachloride	29.9	0.50		ug/l	25.0		120	70-160			
Chlorobenzene	25.2	1.0		ug/l	25.0		101	75-130			
Chloroethane	23.4	1.0		ug/l	25.0		93.6	65-135			
Chloroform	27.7	1.0		ug/l	25.0		111	75-130			
Chloromethane	18.1	1.0		ug/l	25.0		72.4	45-130			
2-Chlorotoluene	25.5	1.0		ug/l	25.0		102	75-130			
4-Chlorotoluene	25.1	1.0		ug/l	25.0		100	80-130			
Dibromochloromethane	25.4	1.0		ug/l	25.0		102	70-140			

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Earth Tech - San Diego
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San Diego, CA 92131
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Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
LCS Analyzed: 07/30/01 (I1G3007-BS1)											
1,2-Dibromo-3-chloropropane	34.7	5.0		ug/l	25.0		139	50-145			
1,2-Dibromoethane (EDB)	26.7	1.0		ug/l	25.0		107	60-145			
Dibromomethane	27.6	1.0		ug/l	25.0		110	65-135			
1,2-Dichlorobenzene	25.7	1.0		ug/l	25.0		103	75-130			
1,3-Dichlorobenzene	26.3	1.0		ug/l	25.0		105	75-130			
1,4-Dichlorobenzene	25.4	1.0		ug/l	25.0		102	80-125			
Dichlorodifluoromethane	15.2	2.0		ug/l	25.0		60.8	10-140			
1,1-Dichloroethane	30.2	1.0		ug/l	25.0		121	75-135			
1,2-Dichloroethane	27.9	0.50		ug/l	25.0		112	65-140			
1,1-Dichloroethene	27.9	1.0		ug/l	25.0		112	70-145			
cis-1,2-Dichloroethene	24.4	1.0		ug/l	25.0		97.6	70-130			
trans-1,2-Dichloroethene	28.1	1.0		ug/l	25.0		112	75-140			
1,2-Dichloropropane	25.9	1.0		ug/l	25.0		104	75-130			
1,3-Dichloropropane	26.1	1.0		ug/l	25.0		104	65-140			
2,2-Dichloropropane	30.8	1.0		ug/l	25.0		123	75-150			
1,1-Dichloropropene	28.3	1.0		ug/l	25.0		113	75-140			
cis-1,3-Dichloropropene	25.8	0.50		ug/l	25.0		103	65-135			
trans-1,3-Dichloropropene	26.8	0.50		ug/l	25.0		107	65-140			
Ethylbenzene	23.9	1.0		ug/l	25.0		95.6	75-135			
Hexachlorobutadiene	27.6	1.0		ug/l	25.0		110	75-150			
Isopropylbenzene	26.0	1.0		ug/l	25.0		104	80-135			
p-Isopropyltoluene	27.6	1.0		ug/l	25.0		110	75-130			
Methylene chloride	23.9	5.0		ug/l	25.0		95.6	70-125			
Methyl-tert-butyl Ether (MTBE)	28.7	1.0		ug/l	25.0		115	65-135			
Naphthalene	32.0	1.0		ug/l	25.0		128	50-145			
n-Propylbenzene	26.7	1.0		ug/l	25.0		107	80-135			
Styrene	25.0	1.0		ug/l	25.0		100	75-140			
1,1,1,2-Tetrachloroethane	25.8	1.0		ug/l	25.0		103	75-135			
1,1,2,2-Tetrachloroethane	29.9	1.0		ug/l	25.0		120	70-135			
Tetrachloroethene	23.9	1.0		ug/l	25.0		95.6	75-130			
Toluene	24.7	1.0		ug/l	25.0		98.8	75-130			
1,2,3-Trichlorobenzene	30.7	1.0		ug/l	25.0		123	50-140			
1,2,4-Trichlorobenzene	31.1	1.0		ug/l	25.0		124	70-130			
1,1,1-Trichloroethane	28.4	1.0		ug/l	25.0		114	75-140			
1,1,2-Trichloroethane	26.0	1.0		ug/l	25.0		104	65-130			
Trichloroethene	24.2	1.0		ug/l	25.0		96.8	75-130			

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Earth Tech - San Diego
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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
LCS Analyzed: 07/30/01 (I1G3007-BS1)											
Trichlorofluoromethane	28.4	1.0		ug/l	25.0		114	55-145			
1,2,3-Trichloropropane	30.5	1.0		ug/l	25.0		122	60-140			
1,2,4-Trimethylbenzene	25.4	1.0		ug/l	25.0		102	80-130			
1,3,5-Trimethylbenzene	27.7	1.0		ug/l	25.0		111	80-135			
Vinyl chloride	20.6	0.50		ug/l	25.0		82.4	45-140			
o-Xylene	24.6	1.0		ug/l	25.0		98.4	75-130			
m,p-Xylenes	50.1	1.0		ug/l	50.0		100	75-135			
Di-isopropyl Ether (DIPE)	26.4	5.0		ug/l	25.0		106	65-135			
Ethyl tert-Butyl Ether (ETBE)	26.9	5.0		ug/l	25.0		108	65-135			
tert-Amyl Methyl Ether (TAME)	25.6	5.0		ug/l	25.0		102	60-135			
tert-Butanol (TBA)	115	50		ug/l	125		92.0	55-160			
Surrogate: Dibromofluoromethane	*27.7*			*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*25.1*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*			*ug/l*	*25.0*		*95.2*	*80-120*			
Matrix Spike Analyzed: 07/30/01 (I1G3007-MS1)						**Source: IKG1019-03**					
Benzene	27.1	0.50		ug/l	25.0	ND	108	70-140			
Bromodichloromethane	27.3	1.0		ug/l	25.0	ND	109	75-145			
Bromoform	28.1	1.0		ug/l	25.0	ND	112	70-150			
Chlorobenzene	26.9	1.0		ug/l	25.0	ND	108	75-130			
Chloroform	32.2	1.0		ug/l	25.0	ND	129	75-150			
Dibromochloromethane	26.1	1.0		ug/l	25.0	ND	104	70-145			
1,4-Dichlorobenzene	27.0	1.0		ug/l	25.0	ND	108	80-145			
1,1-Dichloroethane	34.2	1.0		ug/l	25.0	ND	137	75-160			
1,2-Dichloroethane	30.8	0.50		ug/l	25.0	ND	123	65-160			
1,1-Dichloroethene	30.5	1.0		ug/l	25.0	ND	122	65-165			
Ethylbenzene	25.0	1.0		ug/l	25.0	ND	100	80-135			
Methyl-tert-butyl Ether (MTBE)	32.4	1.0		ug/l	25.0	ND	130	65-150			
Naphthalene	29.0	1.0		ug/l	25.0	ND	116	50-155			
Tetrachloroethene	24.3	1.0		ug/l	25.0	ND	97.2	75-155			
Toluene	25.8	1.0		ug/l	25.0	ND	103	75-135			
Trichloroethene	25.3	1.0		ug/l	25.0	ND	101	75-130			
Vinyl chloride	24.0	0.50		ug/l	25.0	ND	96.0	40-190			
o-Xylene	25.0	1.0		ug/l	25.0	ND	100	75-150			
m,p-Xylenes	50.4	1.0		ug/l	50.0	ND	101	70-140			
Di-isopropyl Ether (DIPE)	31.4	5.0		ug/l	25.0	ND	126	65-135			

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Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3007 Extracted: 07/30/01											
Matrix Spike Analyzed: 07/30/01 (I1G3007-MS1)						Source: IKG1019-03					
Ethyl tert-Butyl Ether (ETBE)	31.9	5.0		ug/l	25.0	ND	128	65-135			
tert-Amyl Methyl Ether (TAME)	30.6	5.0		ug/l	25.0	ND	122	60-135			
tert-Butanol (TBA)	129	50		ug/l	125	ND	103	55-160			
Surrogate: Dibromofluoromethane	*29.0*			*ug/l*	*25.0*		*116*	*80-120*			
Surrogate: Toluene-d8	*23.6*			*ug/l*	*25.0*		*94.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.7*			*ug/l*	*25.0*		*90.8*	*80-120*			
Matrix Spike Dup Analyzed: 07/30/01 (I1G3007-MSD1)						Source: IKG1019-03					
Benzene	26.2	0.50		ug/l	25.0	ND	105	70-140	3.38	20	
Bromodichloromethane	27.8	1.0		ug/l	25.0	ND	111	75-145	1.81	20	
Bromoform	28.1	1.0		ug/l	25.0	ND	112	70-150	0.00	20	
Chlorobenzene	27.0	1.0		ug/l	25.0	ND	108	75-130	0.371	20	
Chloroform	31.0	1.0		ug/l	25.0	ND	124	75-150	3.80	20	
Dibromochloromethane	25.6	1.0		ug/l	25.0	ND	102	70-145	1.93	20	
1,4-Dichlorobenzene	27.0	1.0		ug/l	25.0	ND	108	80-145	0.00	20	
1,1-Dichloroethane	32.7	1.0		ug/l	25.0	ND	131	75-160	4.48	20	
1,2-Dichloroethane	31.4	0.50		ug/l	25.0	ND	126	65-160	1.93	20	
1,1-Dichloroethene	28.6	1.0		ug/l	25.0	ND	114	65-165	6.43	20	
Ethylbenzene	24.7	1.0		ug/l	25.0	ND	98.8	80-135	1.21	20	
Methyl-tert-butyl Ether (MTBE)	31.6	1.0		ug/l	25.0	ND	126	65-150	2.50	20	
Naphthalene	29.3	1.0		ug/l	25.0	ND	117	50-155	1.03	20	
Tetrachloroethene	24.8	1.0		ug/l	25.0	ND	99.2	75-155	2.04	20	
Toluene	25.8	1.0		ug/l	25.0	ND	103	75-135	0.00	20	
Trichloroethene	25.4	1.0		ug/l	25.0	ND	102	75-130	0.394	20	
Vinyl chloride	24.2	0.50		ug/l	25.0	ND	96.8	40-190	0.830	25	
o-Xylene	24.3	1.0		ug/l	25.0	ND	97.2	75-150	2.84	20	
m,p-Xylenes	50.6	1.0		ug/l	50.0	ND	101	70-140	0.396	20	
Di-isopropyl Ether (DIPE)	31.1	5.0		ug/l	25.0	ND	124	65-135	0.960	20	
Ethyl tert-Butyl Ether (ETBE)	31.7	5.0		ug/l	25.0	ND	127	65-135	0.629	20	
tert-Amyl Methyl Ether (TAME)	28.6	5.0		ug/l	25.0	ND	114	60-135	6.76	20	
tert-Butanol (TBA)	124	50		ug/l	125	ND	99.2	55-160	3.95	40	
Surrogate: Dibromofluoromethane	*29.1*			*ug/l*	*25.0*		*116*	*80-120*			
Surrogate: Toluene-d8	*23.3*			*ug/l*	*25.0*		*93.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.9*			*ug/l*	*25.0*		*91.6*	*80-120*			

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Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
Blank Analyzed: 08/02/01 (I1G3030-BLK1)											
Acenaphthene	ND	10		ug/l							
Acenaphthylene	ND	10		ug/l							
Aniline	ND	10		ug/l							
Anthracene	ND	10		ug/l							
Azobenzene	ND	20		ug/l							
Benzidine	ND	100		ug/l							
Benzoic acid	ND	100		ug/l							
Benzo(a)anthracene	ND	10		ug/l							
Benzo(b)fluoranthene	ND	10		ug/l							
Benzo(k)fluoranthene	ND	10		ug/l							
Benzo(g,h,i)perylene	ND	10		ug/l							
Benzo(a)pyrene	ND	10		ug/l							
Benzyl alcohol	ND	20		ug/l							
Bis(2-chloroethoxy)methane	ND	10		ug/l							
Bis(2-chloroethyl)ether	ND	10		ug/l							
Bis(2-chloroisopropyl)ether	ND	10		ug/l							
Bis(2-ethylhexyl)phthalate	ND	50		ug/l							
4-Bromophenyl phenyl ether	ND	10		ug/l							
Butyl benzyl phthalate	ND	20		ug/l							
4-Chloroaniline	ND	10		ug/l							
2-Chloronaphthalene	ND	10		ug/l							
4-Chloro-3-methylphenol	ND	20		ug/l							
2-Chlorophenol	ND	10		ug/l							
4-Chlorophenyl phenyl ether	ND	10		ug/l							
Chrysene	ND	10		ug/l							
Dibenz(a,h)anthracene	ND	20		ug/l							
Dibenzofuran	ND	10		ug/l							
Di-n-butyl phthalate	ND	20		ug/l							
1,3-Dichlorobenzene	ND	10		ug/l							
1,4-Dichlorobenzene	ND	10		ug/l							
1,2-Dichlorobenzene	ND	10		ug/l							
3,3-Dichlorobenzidine	ND	40		ug/l							
2,4-Dichlorophenol	ND	10		ug/l							
Diethyl phthalate	ND	10		ug/l							
2,4-Dimethylphenol	ND	20		ug/l							
Dimethyl phthalate	ND	10		ug/l							

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
Blank Analyzed: 08/02/01 (I1G3030-BLK1)											
4,6-Dinitro-2-methylphenol	ND	40		ug/l							
2,4-Dinitrophenol	ND	100		ug/l							
2,4-Dinitrotoluene	ND	10		ug/l							
2,6-Dinitrotoluene	ND	10		ug/l							
Di-n-octyl phthalate	ND	40		ug/l							
Fluoranthene	ND	10		ug/l							
Fluorene	ND	10		ug/l							
Hexachlorobenzene	ND	10		ug/l							
Hexachlorobutadiene	ND	10		ug/l							
Hexachlorocyclopentadiene	ND	40		ug/l							
Hexachloroethane	ND	10		ug/l							
Indeno(1,2,3-cd)pyrene	ND	20		ug/l							
Isophorone	ND	10		ug/l							
2-Methylnaphthalene	ND	10		ug/l							
2-Methylphenol	ND	10		ug/l							
4-Methylphenol	ND	10		ug/l							
Naphthalene	ND	10		ug/l							
2-Nitroaniline	ND	20		ug/l							
3-Nitroaniline	ND	20		ug/l							
4-Nitroaniline	ND	100		ug/l							
Nitrobenzene	ND	40		ug/l							
2-Nitrophenol	ND	10		ug/l							
4-Nitrophenol	ND	100		ug/l							
n-Nitrosodiphenylamine	ND	10		ug/l							
n-Nitroso-di-n-propylamine	ND	10		ug/l							
Pentachlorophenol	ND	40		ug/l							
Phenanthrene	ND	10		ug/l							
Phenol	ND	10		ug/l							
Pyrene	ND	10		ug/l							
1,2,4-Trichlorobenzene	ND	10		ug/l							
2,4,5-Trichlorophenol	ND	20		ug/l							
2,4,6-Trichlorophenol	ND	20		ug/l							
Surrogate: 2-Fluorophenol	*127*			*ug/l*	*200*		*63.5*	*30-110*			
Surrogate: Phenol-d6	*145*			*ug/l*	*200*		*72.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*155*			*ug/l*	*200*		*77.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*71.9*			*ug/l*	*100*		*71.9*	*40-110*			

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Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
Blank Analyzed: 08/02/01 (I1G3030-BLK1)											
Surrogate: 2-Fluorobiphenyl	*68.4*			*ug/l*	*100*		*68.4*	*40-120*			
Surrogate: Terphenyl-d14	*82.0*			*ug/l*	*100*		*82.0*	*55-160*			
LCS Analyzed: 08/02/01 (I1G3030-BS1)											
Acenaphthene	73.8	10		ug/l	100		73.8	55-120			
Acenaphthylene	73.2	10		ug/l	100		73.2	55-120			
Aniline	83.3	10		ug/l	100		83.3	30-120			
Anthracene	83.3	10		ug/l	100		83.3	65-120			
Azobenzene	82.9	20		ug/l	100		82.9	50-125			
Benzidine	107	100		ug/l	100		107	10-200			
Benzoic acid	ND	100		ug/l	100		78.1	25-120			
Benzo(a)anthracene	91.1	10		ug/l	100		91.1	70-125			
Benzo(b)fluoranthene	100	10		ug/l	100		100	65-125			
Benzo(k)fluoranthene	98.5	10		ug/l	100		98.5	65-135			
Benzo(g,h,i)perylene	95.5	10		ug/l	100		95.5	25-150			
Benzo(a)pyrene	105	10		ug/l	100		105	70-125			
Benzyl alcohol	81.3	20		ug/l	100		81.3	45-120			
Bis(2-chloroethoxy)methane	75.6	10		ug/l	100		75.6	50-120			
Bis(2-chloroethyl)ether	72.2	10		ug/l	100		72.2	45-120			
Bis(2-chloroisopropyl)ether	77.4	10		ug/l	100		77.4	36-120			
Bis(2-ethylhexyl)phthalate	91.4	50		ug/l	100		91.4	65-140			
4-Bromophenyl phenyl ether	89.9	10		ug/l	100		89.9	55-120			
Butyl benzyl phthalate	84.6	20		ug/l	100		84.6	70-135			
4-Chloroaniline	85.1	10		ug/l	100		85.1	25-120			
2-Chloronaphthalene	73.1	10		ug/l	100		73.1	60-118			
4-Chloro-3-methylphenol	92.3	20		ug/l	100		92.3	55-120			
2-Chlorophenol	69.8	10		ug/l	100		69.8	45-120			
4-Chlorophenyl phenyl ether	81.9	10		ug/l	100		81.9	60-120			
Chrysene	86.3	10		ug/l	100		86.3	70-130			
Dibenz(a,h)anthracene	98.8	20		ug/l	100		98.8	50-130			
Dibenzofuran	78.1	10		ug/l	100		78.1	55-120			
Di-n-butyl phthalate	87.0	20		ug/l	100		87.0	60-118			
1,3-Dichlorobenzene	60.4	10		ug/l	100		60.4	30-120			
1,4-Dichlorobenzene	62.6	10		ug/l	100		62.6	35-120			
1,2-Dichlorobenzene	65.5	10		ug/l	100		65.5	45-120			
3,3-Dichlorobenzidine	103	40		ug/l	100		103	35-145			

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
LCS Analyzed: 08/02/01 (I1G3030-BS1)											
2,4-Dichlorophenol	77.7	10		ug/l	100		77.7	50-120			
Diethyl phthalate	82.7	10		ug/l	100		82.7	65-114			
2,4-Dimethylphenol	55.8	20		ug/l	100		55.8	32-119			
Dimethyl phthalate	80.9	10		ug/l	100		80.9	65-112			
4,6-Dinitro-2-methylphenol	91.2	40		ug/l	100		91.2	65-125			
2,4-Dinitrophenol	ND	100		ug/l	100		89.1	40-125			
2,4-Dinitrotoluene	84.7	10		ug/l	100		84.7	65-120			
2,6-Dinitrotoluene	83.7	10		ug/l	100		83.7	65-120			
Di-n-octyl phthalate	93.3	40		ug/l	100		93.3	55-146			
Fluoranthene	87.4	10		ug/l	100		87.4	70-120			
Fluorene	78.6	10		ug/l	100		78.6	59-120			
Hexachlorobenzene	81.6	10		ug/l	100		81.6	60-120			
Hexachlorobutadiene	65.4	10		ug/l	100		65.4	35-116			
Hexachlorocyclopentadiene	ND	40		ug/l	100		20.7	10-120			
Hexachloroethane	65.0	10		ug/l	100		65.0	40-113			
Indeno(1,2,3-cd)pyrene	105	20		ug/l	100		105	40-135			
Isophorone	80.0	10		ug/l	100		80.0	50-120			
2-Methylnaphthalene	73.4	10		ug/l	100		73.4	55-120			
2-Methylphenol	78.8	10		ug/l	100		78.8	45-120			
4-Methylphenol	81.1	10		ug/l	100		81.1	45-120			
Naphthalene	69.9	10		ug/l	100		69.9	45-120			
2-Nitroaniline	95.4	20		ug/l	100		95.4	50-135			
3-Nitroaniline	82.6	20		ug/l	100		82.6	50-125			
4-Nitroaniline	ND	100		ug/l	100		95.7	55-140			
Nitrobenzene	77.0	40		ug/l	100		77.0	45-120			
2-Nitrophenol	79.1	10		ug/l	100		79.1	50-120			
4-Nitrophenol	ND	100		ug/l	100		91.9	50-132			
n-Nitrosodiphenylamine	83.0	10		ug/l	100		83.0	45-120			
n-Nitroso-di-n-propylamine	84.8	10		ug/l	100		84.8	45-125			
Pentachlorophenol	82.3	40		ug/l	100		82.3	50-130			
Phenanthrene	82.2	10		ug/l	100		82.2	65-120			
Phenol	69.9	10		ug/l	100		69.9	35-112			
Pyrene	76.9	10		ug/l	100		76.9	65-115			
1,2,4-Trichlorobenzene	66.9	10		ug/l	100		66.9	50-120			
2,4,5-Trichlorophenol	79.6	20		ug/l	100		79.6	55-120			
2,4,6-Trichlorophenol	80.2	20		ug/l	100		80.2	55-120			

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Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
LCS Analyzed: 08/02/01 (I1G3030-BS1)											
Surrogate: 2-Fluorophenol	*129*			*ug/l*	*200*		*64.5*	*30-110*			
Surrogate: Phenol-d6	*150*			*ug/l*	*200*		*75.0*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*168*			*ug/l*	*200*		*84.0*	*55-140*			
Surrogate: Nitrobenzene-d5	*77.9*			*ug/l*	*100*		*77.9*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*70.9*			*ug/l*	*100*		*70.9*	*40-120*			
Surrogate: Terphenyl-d14	*78.6*			*ug/l*	*100*		*78.6*	*55-160*			
LCS Dup Analyzed: 08/02/01 (I1G3030-BSD1)											
Acenaphthene	80.3	10		ug/l	100		80.3	55-120	8.44	35	
Acenaphthylene	78.6	10		ug/l	100		78.6	55-120	7.11	20	
Aniline	93.0	10		ug/l	100		93.0	30-120	11.0	40	
Anthracene	86.9	10		ug/l	100		86.9	65-120	4.23	15	
Azobenzene	90.9	20		ug/l	100		90.9	50-125	9.21	15	
Benzidine	106	100		ug/l	100		106	10-200	0.939	35	
Benzoic acid	ND	100		ug/l	100		84.9	25-120	8.34	40	
Benzo(a)anthracene	87.5	10		ug/l	100		87.5	70-125	4.03	20	
Benzo(b)fluoranthene	106	10		ug/l	100		106	65-125	5.83	20	
Benzo(k)fluoranthene	97.9	10		ug/l	100		97.9	65-135	0.611	25	
Benzo(g,h,i)perylene	78.7	10		ug/l	100		78.7	25-150	19.3	25	
Benzo(a)pyrene	101	10		ug/l	100		101	70-125	3.88	15	
Benzyl alcohol	93.0	20		ug/l	100		93.0	45-120	13.4	25	
Bis(2-chloroethoxy)methane	85.2	10		ug/l	100		85.2	50-120	11.9	25	
Bis(2-chloroethyl)ether	84.5	10		ug/l	100		84.5	45-120	15.7	25	
Bis(2-chloroisopropyl)ether	90.5	10		ug/l	100		90.5	36-120	15.6	25	
Bis(2-ethylhexyl)phthalate	99.0	50		ug/l	100		99.0	65-140	7.98	15	
4-Bromophenyl phenyl ether	91.2	10		ug/l	100		91.2	55-120	1.44	20	
Butyl benzyl phthalate	83.5	20		ug/l	100		83.5	70-135	1.31	15	
4-Chloroaniline	93.8	10		ug/l	100		93.8	25-120	9.73	50	
2-Chloronaphthalene	77.4	10		ug/l	100		77.4	60-118	5.71	25	
4-Chloro-3-methylphenol	103	20		ug/l	100		103	55-120	11.0	25	
2-Chlorophenol	81.3	10		ug/l	100		81.3	45-120	15.2	25	
4-Chlorophenyl phenyl ether	87.7	10		ug/l	100		87.7	60-120	6.84	20	
Chrysene	85.0	10		ug/l	100		85.0	70-130	1.52	10	
Dibenz(a,h)anthracene	82.1	20		ug/l	100		82.1	50-130	18.5	15	*R-7*
Dibenzofuran	84.5	10		ug/l	100		84.5	55-120	7.87	25	
Di-n-butyl phthalate	91.9	20		ug/l	100		91.9	60-118	5.48	10	

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Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
LCS Dup Analyzed: 08/02/01 (I1G3030-BSD1)											
1,3-Dichlorobenzene	69.2	10		ug/l	100		69.2	30-120	13.6	30	
1,4-Dichlorobenzene	72.5	10		ug/l	100		72.5	35-120	14.7	25	
1,2-Dichlorobenzene	76.6	10		ug/l	100		76.6	45-120	15.6	25	
3,3-Dichlorobenzidine	93.6	40		ug/l	100		93.6	35-145	9.56	25	
2,4-Dichlorophenol	87.8	10		ug/l	100		87.8	50-120	12.2	25	
Diethyl phthalate	90.5	10		ug/l	100		90.5	65-114	9.01	15	
2,4-Dimethylphenol	61.6	20		ug/l	100		61.6	32-119	9.88	30	
Dimethyl phthalate	86.5	10		ug/l	100		86.5	65-112	6.69	20	
4,6-Dinitro-2-methylphenol	92.7	40		ug/l	100		92.7	65-125	1.63	20	
2,4-Dinitrophenol	ND	100		ug/l	100		93.0	40-125	4.28	30	
2,4-Dinitrotoluene	92.2	10		ug/l	100		92.2	65-120	8.48	20	
2,6-Dinitrotoluene	90.3	10		ug/l	100		90.3	65-120	7.59	20	
Di-n-octyl phthalate	106	40		ug/l	100		106	55-146	12.7	20	
Fluoranthene	90.3	10		ug/l	100		90.3	70-120	3.26	15	
Fluorene	86.0	10		ug/l	100		86.0	59-120	8.99	30	
Hexachlorobenzene	83.1	10		ug/l	100		83.1	60-120	1.82	15	
Hexachlorobutadiene	76.0	10		ug/l	100		76.0	35-116	15.0	25	
Hexachlorocyclopentadiene	ND	40		ug/l	100		20.1	10-120	2.94	35	
Hexachloroethane	75.1	10		ug/l	100		75.1	40-113	14.4	25	
Indeno(1,2,3-cd)pyrene	85.5	20		ug/l	100		85.5	40-135	20.5	20	*R-7*
Isophorone	88.5	10		ug/l	100		88.5	50-120	10.1	20	
2-Methylnaphthalene	83.1	10		ug/l	100		83.1	55-120	12.4	20	
2-Methylphenol	90.3	10		ug/l	100		90.3	45-120	13.6	25	
4-Methylphenol	92.5	10		ug/l	100		92.5	45-120	13.1	25	
Naphthalene	80.2	10		ug/l	100		80.2	45-120	13.7	25	
2-Nitroaniline	103	20		ug/l	100		103	50-135	7.66	15	
3-Nitroaniline	89.3	20		ug/l	100		89.3	50-125	7.80	20	
4-Nitroaniline	102	100		ug/l	100		102	55-140	6.37	15	
Nitrobenzene	87.3	40		ug/l	100		87.3	45-120	12.5	25	
2-Nitrophenol	90.0	10		ug/l	100		90.0	50-120	12.9	50	
4-Nitrophenol	ND	100		ug/l	100		99.2	50-132	7.64	30	
n-Nitrosodiphenylamine	85.2	10		ug/l	100		85.2	45-120	2.62	20	
n-Nitroso-di-n-propylamine	97.1	10		ug/l	100		97.1	45-125	13.5	25	
Pentachlorophenol	86.0	40		ug/l	100		86.0	50-130	4.40	45	
Phenanthrene	85.2	10		ug/l	100		85.2	65-120	3.58	20	
Phenol	80.0	10		ug/l	100		80.0	35-112	13.5	25	

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Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3030 Extracted: 07/30/01											
LCS Dup Analyzed: 08/02/01 (I1G3030-BSD1)											
Pyrene	77.0	10		ug/l	100		77.0	65-115	0.130	15	
1,2,4-Trichlorobenzene	75.8	10		ug/l	100		75.8	50-120	12.5	25	
2,4,5-Trichlorophenol	87.1	20		ug/l	100		87.1	55-120	9.00	35	
2,4,6-Trichlorophenol	85.9	20		ug/l	100		85.9	55-120	6.86	25	
Surrogate: 2-Fluorophenol	*152*			*ug/l*	*200*		*76.0*	*30-110*			
Surrogate: Phenol-d6	*175*			*ug/l*	*200*		*87.5*	*40-110*			
Surrogate: 2,4,6-Tribromophenol	*175*			*ug/l*	*200*		*87.5*	*55-140*			
Surrogate: Nitrobenzene-d5	*88.8*			*ug/l*	*100*		*88.8*	*40-110*			
Surrogate: 2-Fluorobiphenyl	*76.3*			*ug/l*	*100*		*76.3*	*40-120*			
Surrogate: Terphenyl-d14	*79.4*			*ug/l*	*100*		*79.4*	*55-160*			

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METHOD BLANK/QC DATA

TOTAL PCBS (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3033 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3033-BLK1)											
Aroclor 1016	ND	1.0		ug/l							
Aroclor 1221	ND	1.0		ug/l							
Aroclor 1232	ND	1.0		ug/l							
Aroclor 1242	ND	1.0		ug/l							
Aroclor 1248	ND	1.0		ug/l							
Aroclor 1254	ND	1.0		ug/l							
Aroclor 1260	ND	1.0		ug/l							
Surrogate: Decachlorobiphenyl	*0.407*			*ug/l*	*0.500*		*81.4*	*30-120*			
LCS Analyzed: 07/30/01 (I1G3033-BS2)											
Aroclor 1016	3.02	1.0		ug/l	4.00		75.5	45-115			
Aroclor 1260	3.00	1.0		ug/l	4.00		75.0	55-115			
Surrogate: Decachlorobiphenyl	*0.404*			*ug/l*	*0.500*		*80.8*	*30-120*			
LCS Dup Analyzed: 07/30/01 (I1G3033-BSD2)											**M-NR1**
Aroclor 1016	3.01	1.0		ug/l	4.00		75.2	45-115	0.332	25	
Aroclor 1260	3.08	1.0		ug/l	4.00		77.0	55-115	2.63	20	
Surrogate: Decachlorobiphenyl	*0.426*			*ug/l*	*0.500*		*85.2*	*30-120*			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2733 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2733-BLK1)											
Mercury	ND	0.00020		mg/l							
LCS Analyzed: 07/27/01 (I1G2733-BS1)											
Mercury	0.00819	0.00020		mg/l	0.00800		102	85-115			
Matrix Spike Analyzed: 07/27/01 (I1G2733-MS1)						Source: IKG0945-01					
Mercury	0.00705	0.00020		mg/l	0.00800	ND	88.1	70-130			
Matrix Spike Dup Analyzed: 07/27/01 (I1G2733-MSD1)						Source: IKG0945-01					
Mercury	0.00707	0.00020		mg/l	0.00800	ND	88.4	70-130	0.283	20	
Batch: I1G2734 Extracted: 07/27/01											
Blank Analyzed: 07/30/01 (I1G2734-BLK1)											
Arsenic	ND	0.0050		mg/l							
Beryllium	ND	0.0020		mg/l							
Cadmium	ND	0.0050		mg/l							
Chromium	ND	0.0050		mg/l							
Copper	ND	0.010		mg/l							
Iron	ND	0.040		mg/l							
Lead	ND	0.0050		mg/l							
Manganese	ND	0.020		mg/l							
Nickel	ND	0.010		mg/l							
Silver	ND	0.010		mg/l							
Sodium	ND	0.50		mg/l							
Thallium	ND	0.0050		mg/l							
Zinc	ND	0.020		mg/l							

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2734 Extracted: 07/27/01											
LCS Analyzed: 07/30/01 (I1G2734-BS1)											
Arsenic	0.491	0.0050		mg/l	0.500		98.2	85-115			
Beryllium	0.480	0.0020		mg/l	0.500		96.0	85-115			
Cadmium	0.475	0.0050		mg/l	0.500		95.0	85-115			
Chromium	0.479	0.0050		mg/l	0.500		95.8	85-115			
Copper	0.456	0.010		mg/l	0.500		91.2	85-115			
Iron	0.481	0.040		mg/l	0.500		96.2	85-115			
Lead	0.468	0.0050		mg/l	0.500		93.6	85-115			
Manganese	0.486	0.020		mg/l	0.500		97.2	85-115			
Nickel	0.459	0.010		mg/l	0.500		91.8	85-115			
Silver	0.241	0.010		mg/l	0.250		96.4	85-115			
Sodium	2.69	0.50		mg/l	2.50		108	85-115			
Thallium	0.467	0.0050		mg/l	0.500		93.4	85-115			
Zinc	0.468	0.020		mg/l	0.500		93.6	85-115			
Matrix Spike Analyzed: 07/30/01 (I1G2734-MS1)						**Source: IKG0945-01**					
Arsenic	0.526	0.015		mg/l	0.500	0.015	102	70-130			
Beryllium	0.489	0.0060		mg/l	0.500	ND	97.8	70-130			
Cadmium	0.460	0.015		mg/l	0.500	ND	92.0	70-130			
Chromium	0.464	0.015		mg/l	0.500	ND	92.8	70-130			
Copper	0.613	0.030		mg/l	0.500	ND	120	70-130			
Iron	0.496	0.12		mg/l	0.500	ND	95.4	70-130			
Lead	0.466	0.015		mg/l	0.500	ND	93.2	70-130			
Manganese	0.475	0.060		mg/l	0.500	ND	95.0	70-130			
Nickel	0.467	0.030		mg/l	0.500	ND	93.4	70-130			
Silver	0.284	0.030		mg/l	0.250	ND	114	70-130			
Sodium	10300	15		mg/l	2.50	10000	12000	70-130			*M-HA*
Thallium	0.405	0.015		mg/l	0.500	ND	81.0	70-130			
Zinc	0.506	0.060		mg/l	0.500	ND	101	70-130			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2734 Extracted: 07/27/01											
Matrix Spike Dup Analyzed: 07/30/01 (I1G2734-MSD1)						**Source: IKG0945-01**					
Arsenic	0.513	0.015		mg/l	0.500	0.015	99.6	70-130	2.50	20	
Beryllium	0.482	0.0060		mg/l	0.500	ND	96.4	70-130	1.44	20	
Cadmium	0.451	0.015		mg/l	0.500	ND	90.2	70-130	1.98	20	
Chromium	0.458	0.015		mg/l	0.500	ND	91.6	70-130	1.30	20	
Copper	0.599	0.030		mg/l	0.500	ND	117	70-130	2.31	20	
Iron	0.475	0.12		mg/l	0.500	ND	91.2	70-130	4.33	20	
Lead	0.462	0.015		mg/l	0.500	ND	92.4	70-130	0.862	20	
Manganese	0.466	0.060		mg/l	0.500	ND	93.2	70-130	1.91	20	
Nickel	0.458	0.030		mg/l	0.500	ND	91.6	70-130	1.95	20	
Silver	0.280	0.030		mg/l	0.250	ND	112	70-130	1.42	20	
Sodium	10400	15		mg/l	2.50	10000	16000	70-130	0.966	20	*M-HA*
Thallium	0.411	0.015		mg/l	0.500	ND	82.2	70-130	1.47	20	
Zinc	0.484	0.060		mg/l	0.500	ND	96.8	70-130	4.44	20	

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2709 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2709-BLK1)											
Nitrate-N	ND	0.11		mg/l							
Nitrite-N	ND	0.15		mg/l							
LCS Analyzed: 07/27/01 (I1G2709-BS1)											
Nitrate-N	1.08	0.11		mg/l	1.13		95.6	90-110			
Nitrite-N	1.56	0.15		mg/l	1.52		103	90-110			
Matrix Spike Analyzed: 07/27/01 (I1G2709-MS1)						Source: IKG0959-01					
Nitrate-N	10.9	1.1		mg/l	11.3	ND	96.5	80-120			
Nitrite-N	12.7	1.5		mg/l	15.2	ND	83.6	80-120			
Matrix Spike Dup Analyzed: 07/27/01 (I1G2709-MSD1)						Source: IKG0959-01					
Nitrate-N	10.5	1.1		mg/l	11.3	ND	92.9	80-120	3.74	20	
Nitrite-N	12.4	1.5		mg/l	15.2	ND	81.6	80-120	2.39	20	
Batch: I1G2746 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2746-BLK1)											
Residual Chlorine	ND	0.10		mg/l							
Duplicate Analyzed: 07/27/01 (I1G2746-DUP1)						Source: IKG0960-01					
Residual Chlorine	ND	0.10		mg/l		ND				200	
Batch: I1G2754 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2754-BLK1)											
Chromium VI	ND	0.010		mg/l							

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2754 Extracted: 07/27/01											
LCS Analyzed: 07/27/01 (I1G2754-BS1)											
Chromium VI	0.0968	0.010		mg/l	0.100		96.8	90-110			
Matrix Spike Analyzed: 07/27/01 (I1G2754-MS1)						Source: IKG0960-01					
Chromium VI	0.296	0.010		mg/l	0.300	ND	98.7	85-115			
Matrix Spike Dup Analyzed: 07/27/01 (I1G2754-MSD1)						Source: IKG0960-01					
Chromium VI	0.298	0.010		mg/l	0.300	ND	99.3	85-115	0.673	20	
Batch: I1G2757 Extracted: 07/27/01											
Duplicate Analyzed: 07/27/01 (I1G2757-DUP1)						Source: IKG0685-01					
Specific Conductance	1560	1.0		umhos/cm		1500			3.92	5	
Batch: I1G2764 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2764-BLK1)											
Total Suspended Solids	ND	10		mg/l							
Duplicate Analyzed: 07/27/01 (I1G2764-DUP1)						Source: IKG0865-02					
Total Suspended Solids	29.0	10		mg/l		28			3.51	5	
Reference Analyzed: 07/27/01 (I1G2764-SRM1)											
Total Suspended Solids	70.0	10		mg/l	72.0		97.2	85-115			
Batch: I1G2766 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2766-BLK1)											
Dissolved Oxygen	ND	1.0		mg/l							

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2766 Extracted: 07/27/01											
Duplicate Analyzed: 07/27/01 (I1G2766-DUP1)						Source: IKG0960-01					
Dissolved Oxygen	4.28	1.0		mg/l		4.3			0.466	20	
Batch: I1G2767 Extracted: 07/27/01											
Duplicate Analyzed: 07/27/01 (I1G2767-DUP1)						Source: IKG0959-02					
pH	7.09	NA		pH Units		7.04			0.708	5	
Batch: I1G2770 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2770-BLK1)											
Turbidity	ND	1.0		NTU							
Duplicate Analyzed: 07/27/01 (I1G2770-DUP1)						Source: IKG0960-01					
Turbidity	23.0	1.0		NTU		23			0.00	20	
Batch: I1G2775 Extracted: 07/27/01											
Blank Analyzed: 07/27/01 (I1G2775-BLK1)											
Surfactants (MBAS)	ND	0.10		mg/l							
LCS Analyzed: 07/27/01 (I1G2775-BS1)											
Surfactants (MBAS)	0.240	0.10		mg/l	0.250		96.0	90-110			
Matrix Spike Analyzed: 07/27/01 (I1G2775-MS1)						Source: IKG0960-01					
Surfactants (MBAS)	0.244	0.10		mg/l	0.250	ND	81.2	50-125			

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G2775 Extracted: 07/27/01											
Matrix Spike Dup Analyzed: 07/27/01 (I1G2775-MSD1)						Source: IKG0960-01					
Surfactants (MBAS)	0.258	0.10		mg/l	0.250	ND	86.8	50-125	5.58	20	
Batch: I1G3022 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3022-BLK1)											
Dissolved Sulfide	ND	0.10		mg/l							
LCS Analyzed: 07/30/01 (I1G3022-BS1)											
Dissolved Sulfide	0.506	0.10		mg/l	0.470		108	80-120			
Matrix Spike Analyzed: 07/30/01 (I1G3022-MS1)						Source: IKG0812-02					
Dissolved Sulfide	0.270	0.10		mg/l	0.282	ND	95.7	70-130			
Matrix Spike Dup Analyzed: 07/30/01 (I1G3022-MSD1)						Source: IKG0812-02					
Dissolved Sulfide	0.275	0.10		mg/l	0.282	ND	97.5	70-130	1.83	30	
Batch: I1G3068 Extracted: 07/30/01											
Blank Analyzed: 07/30/01 (I1G3068-BLK1)											
Total Cyanide	ND	0.025		mg/l							
LCS Analyzed: 07/30/01 (I1G3068-BS1)											
Total Cyanide	0.201	0.025		mg/l	0.200		100	85-115			
Matrix Spike Analyzed: 07/30/01 (I1G3068-MS1)						Source: IKG0960-01					
Total Cyanide	0.202	0.025		mg/l	0.200	ND	99.2	70-115			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1G3068 Extracted: 07/30/01											
Matrix Spike Dup Analyzed: 07/30/01 (I1G3068-MSD1)						Source: IKG0960-01					
Total Cyanide	0.204	0.025		mg/l	0.200	ND	100	70-115	0.985	15	
Batch: I1G3151 Extracted: 07/31/01											
Blank Analyzed: 07/31/01 (I1G3151-BLK1)											
Hardness (as CaCO3)	ND	4.0		mg/l							
Duplicate Analyzed: 07/31/01 (I1G3151-DUP1)						Source: IKG0884-01					
Hardness (as CaCO3)	375	4.0		mg/l		380			1.32	20	
Reference Analyzed: 07/31/01 (I1G3151-SRM1)											
Hardness (as CaCO3)	132	4.0		mg/l	117		113	85-115			
Batch: I1H0149 Extracted: 08/01/01											
Blank Analyzed: 08/01/01 (I1H0149-BLK1)											
Phosphorus	ND	0.050		mg/l							
LCS Analyzed: 08/01/01 (I1H0149-BS1)											
Phosphorus	0.982	0.050		mg/l	1.00		98.2	80-120			
Matrix Spike Analyzed: 08/01/01 (I1H0149-MS1)						Source: IKG1072-03					
Phosphorus	1.52	0.050		mg/l	1.00	0.52	100	65-130			
Matrix Spike Dup Analyzed: 08/01/01 (I1H0149-MSD1)						Source: IKG1072-03					
Phosphorus	1.51	0.050		mg/l	1.00	0.52	99.0	65-130	0.660	15	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: I1H0323 Extracted: 08/03/01											
Blank Analyzed: 08/03/01 (I1H0323-BLK1)											
Fluoride	ND	0.50		mg/l							
LCS Analyzed: 08/03/01 (I1H0323-BS1)											
Fluoride	4.59	0.50		mg/l	5.00		91.8	90-110			
Matrix Spike Analyzed: 08/03/01 (I1H0323-MS1)						**Source: IKH0098-01**					
Fluoride	45.1	5.0		mg/l	50.0	ND	86.8	80-120			
Matrix Spike Dup Analyzed: 08/03/01 (I1H0323-MSD1)						**Source: IKH0098-01**					
Fluoride	45.9	5.0		mg/l	50.0	ND	88.4	80-120	1.76	20	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: C1G3103 Extracted: 07/31/01											
Blank Analyzed: 07/31/01 (C1G3103-BLK1)											
Total Kjeldahl Nitrogen	ND	0.50		mg/l							
LCS Analyzed: 07/31/01 (C1G3103-BS1)											
Total Kjeldahl Nitrogen	10.1	0.50		mg/l	10.0		101	85-120			
Matrix Spike Analyzed: 07/31/01 (C1G3103-MS1)						Source: CKG0288-01					
Total Kjeldahl Nitrogen	9.52	0.50		mg/l	10.0	ND	95.2	65-125			
Matrix Spike Dup Analyzed: 07/31/01 (C1G3103-MSD1)						Source: CKG0288-01					
Total Kjeldahl Nitrogen	9.24	0.50		mg/l	10.0	ND	92.4	65-125	2.99	15	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02

Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

METHOD BLANK/QC DATA

Phenols by EPA Method 8041

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 1G31006 Extracted: 07/31/01											
Blank Analyzed: 08/02/01 (1G31006-BLK1)											
4-Chloro-3-methylphenol	ND	2.0	0.65	ug/l							
2-Chlorophenol	ND	2.0	1.1	ug/l							
2,4-Dichlorophenol	ND	2.0	0.34	ug/l							
2,4-Dimethylphenol	ND	2.0	1.4	ug/l							
2,4-Dinitrophenol	ND	20	18	ug/l							
2-Methyl-4,6-dinitrophenol	ND	20	16	ug/l							
2-Nitrophenol	ND	2.0	0.39	ug/l							
4-Nitrophenol	ND	20	4.1	ug/l							
Pentachlorophenol	ND	20	14	ug/l							
Phenol	ND	2.0	0.42	ug/l							
2,4,6-Trichlorophenol	ND	2.0	0.48	ug/l							
Surrogate: 2,4,6-Tribromophenol	*89.2*			*ug/l*	*100*		*89.2*	*19-122*			
LCS Analyzed: 08/02/01 (1G31006-BS1)											
4-Chloro-3-methylphenol	83.6	2.0	0.65	ug/l	100		83.6	20-120			
4-Nitrophenol	44.0	20	4.1	ug/l	100		44.0	20-120			
Phenol	38.9	2.0	0.42	ug/l	100		38.9	20-120			
Surrogate: 2,4,6-Tribromophenol	*88.2*			*ug/l*	*100*		*88.2*	*19-122*			
LCS Dup Analyzed: 08/02/01 (1G31006-BSD1)											
4-Chloro-3-methylphenol	80.8	2.0	0.65	ug/l	100		80.8	20-120	3.41	50	
4-Nitrophenol	46.2	20	4.1	ug/l	100		46.2	20-120	4.88	50	
Phenol	38.2	2.0	0.42	ug/l	100		38.2	20-120	1.82	50	
Surrogate: 2,4,6-Tribromophenol	*66.8*			*ug/l*	*100*		*66.8*	*19-122*			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Earth Tech - San Diego
9675 Business Park Avenue
San Diego, CA 92131
Attention: Greg Delson

Project ID: 44102.02
Report Number: IKG0960

Sampled: 07/26/01
Received: 07/26/01

DATA QUALIFIERS AND DEFINITIONS

L2	Laboratory Control Sample recovery was below method control limits. See Corrective Action Report.
M-HA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
QD	Quantitated against a diesel fuel standard.
QG	Carbon range C6-C12 quantitated against a gasoline standard.
R-7	*LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.*
RL-1	Reporting limit raised due to sample matrix effects.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
NR	Not reported.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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August 22, 2001

Earth Tech
9675 Business Park Avenue
San Diego, CA 92131

Attention: Greg Delson

Project: 44102.02 NPDES, Sampled: 07/26/01
Del Mar Analytical Number: IKG0960

Dear Mr. Delson:

Aquatic Testing Laboratories performed the Fathead Minnow Acute 96hr LC50 Bioassay (EPA 600/4-85/013), Fathead Minnow Larval Survival and Growth Test (EPA Method 1000), Ceriodaphnia Survival and Reproduction Test (EPA Method 1002), and Selenastrum Algal Growth Toxicity Test (EPA Method 1003) analyses requested for the project referenced above. Please use the following table when reviewing your results.

Client ID	Del Mar ID	Aquatic Testing Lab ID
MVE-7	IKG0960-01	A-01072708-001

Attached are the final reports from Aquatic Testing Lab. If you have any questions or require further assistance, please contact me at (949) 261-1022, extension 213.

Sincerely yours,

DEL MAR ANALYTICAL

Patty Mata
Project Manager

Enclosure

LABORATORY REPORT

Aquatic Testing Laboratories

"dedicated to providing quality aquatic toxicity testing"

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756

CA DOHS ELAP Cert. No.: 1775

Date: August 6, 2001

Client: Del Mar Analytical
2852 Alton Ave.
Irvine, CA 92606
Attn: Patty Mata

Laboratory No.: A-01072708-001
Sample I.D.: IKG0960-01

Sample Control: The sample was received by ATL with the chain of custody record attached.

Date Sampled: 07/26/01
Date Received: 07/27/01
Date Tested: 07/27/01 to 08/03/01

Sample Analysis: The following analyses were performed on your sample:

Fathead Minnow Acute 96hr LC50 Bioassay (EPA 600/4-85/013),
Fathead Minnow Larval Survival and Growth Test (EPA Method 1000),
Ceriodaphnia Survival and Reproduction Test (EPA Method 1002),
Selenastrum Algal Growth Toxicity Test (EPA Method 1003).

Result Summary:

Acute:	LC50	TUa
Fathead Minnow:	>100%	0.0
Chronic:	NOEC	TUc
Fathead Minnow Survival:	100%	1.0
Fathead Minnow Growth:	100%	1.0
Ceriodaphnia Survival:	6.25%	16.0
Ceriodaphnia Reproduction:	<6.25%	>16.0
Selenastrum Algae Growth:	12.5%	8.0

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of the Laboratory's name for advertising or publicity purpose without authorization is prohibited.

FATHEAD MINNOW ACUTE NPDES TOXICITY TEST

Lab No.: A-01072708-001 Client/ID: Dm1KG0960-01

TEST SUMMARY

Species: Pimephales promelas.
Test type: Static.
Test chamber volume: 800 ml.
Test chamber: 1000 ml beakers.
Number of replicates: 2.
Mean fish length: 11 mm.

Source: In-Lab Culture.
Endpoint: LC50 at 96 hrs.
Temperature: 20 +/- 2°C.
Number of fish per chamber: 10.
Photoperiod: 16/8 hrs light/dark.
Mean fish weight: 0.02 gm.

Age: 24 days (1-90).
Test Protocol: EPA/600/4-85/013.
Feeding: none.
Aeration: None, unless DO drops below 4.0 mg/l.
Dilution water: Mod. hard reconstituted water.
QA/QC Batch No.: QT-010706.

TEST DATA

	INITIAL			24 Hr					48 Hr					72 Hr					96 Hr				
DATE/TIME:	7-27-01 1500			7-28-01 1500					7-29-01 1400					7-30-01 1500					7-31-01 1400				
ANALYST:																							
	°C	DO	pH	°C	DO	pH	# Dead		°C	DO	pH	# Dead		°C	DO	pH	# Dead		°C	DO	pH	# Dead	
CONTROL	20.8	8.6	8.1	20.9	6.3	8.0	0	0	20.5	6.2	8.0	0	0	20.5	6.6	8.0	0	0	20.6	6.1	7.8	0	0
6.25%	20.8	8.6	8.0	20.9	5.3	7.9	0	0	20.5	6.3	8.0	0	0	20.4	6.7	8.0	0	0	20.6	6.0	7.7	0	0
12.5%	20.6	8.5	7.9	20.8	5.6	7.8	0	0	20.5	6.7	7.9	0	0	20.4	7.0	8.0	0	0	20.6	5.8	7.7	0	0
25.0%	20.6	8.5	7.8	20.8	5.9	7.8	0	0	20.5	6.6	7.8	0	0	20.5	7.1	8.0	0	0	20.6	5.2	7.6	0	0
50.0%	20.4	8.2	7.7	20.7	5.5	7.7	0	0	20.5	6.2	7.8	0	0	20.4	7.0	7.9	0	0	20.6	5.9	7.6	0	0
100%	20.0	7.4	7.5	20.7	5.8	7.7	0	0	20.5	6.3	7.8	0	0	20.5	7.0	8.0	0	0	20.6	5.2	7.7	0	0

Comments:
Sample as received: Chlorine: 0 mg/l; pH: 7.5 ; Ammonia (NH_3-N): 0.4 mg/l; Temperature: 5 °C; DO: 7.6 mg/l.
Conductivity: 2290 umho; Alkalinity: 150 mg/l; Hardness: 365 mg/l.
Control: Conductivity: 351 umho; Alkalinity: 63 mg/l; Hardness: 98 mg/l.

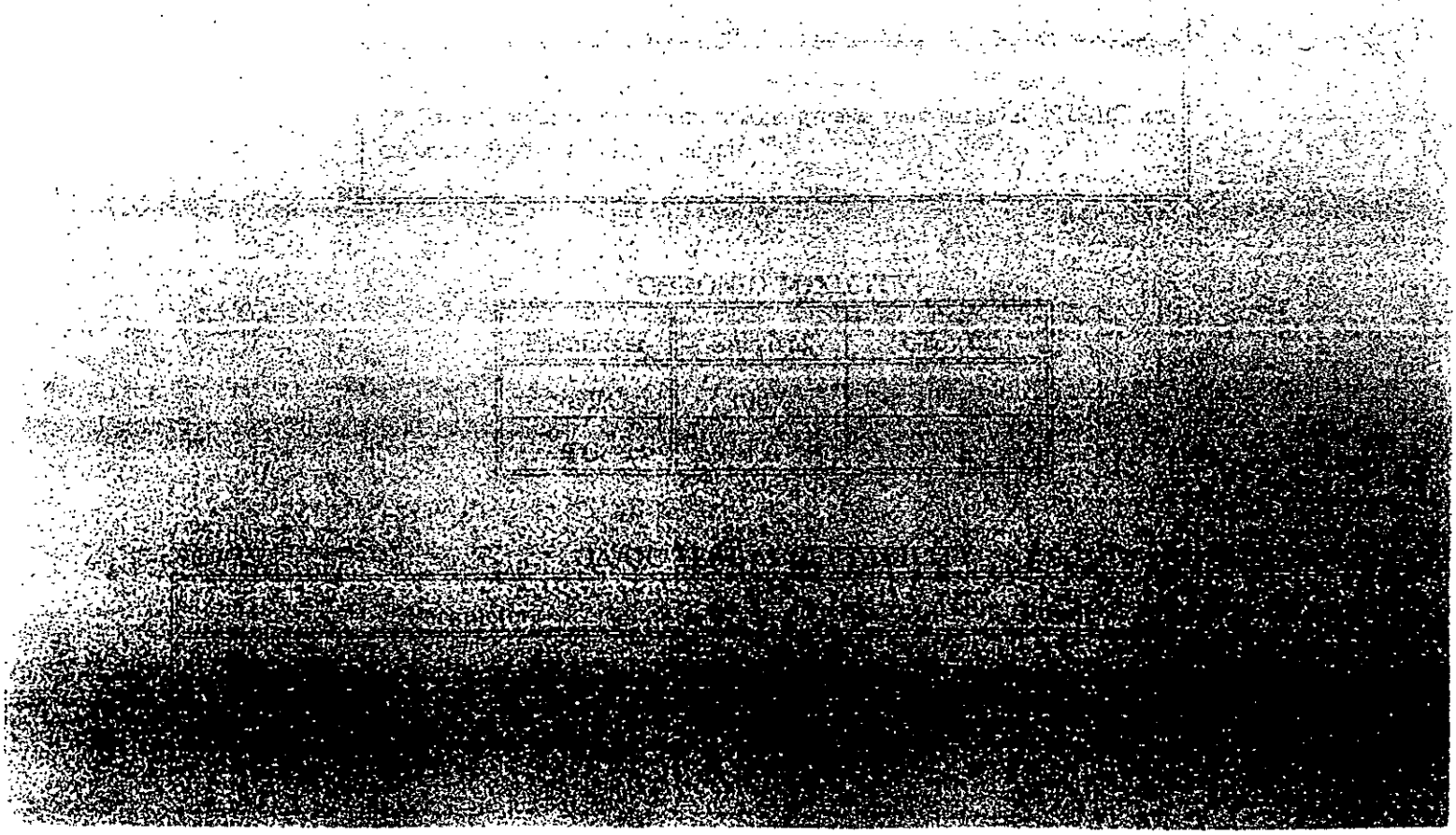
RESULTS

LC50: >100 % 95% Confidence Limits: NA ≤ u ≤ NA %

Method: Probit NA Trimmed Spearman-Karber NA Graphical NA TUa: 0

FATHEAD MINNOW LARVAL SURVIVAL AND GROWTH TEST

- *Test and Result Summary*
- *Data Summary and Statistical Analysis*
- *Raw Test Data: Water Quality & Test Organism Measurements*



FATHEAD MINNOW LARVAE CHRONIC BIOASSAY
EPA METHOD 1000.0

Lab No.: A-01072708-001
Client/ID: Del Mar IKG0960-01

Date Tested: 07/27/01 - 08/03/01

TEST SUMMARY

Species: *Pimephales promelas.*
Test type: Static renewal (90% daily).
Age: < 24 hrs.
Test chamber size: 600 ml.
Number of larvae per chamber: 10.
Dilution water: Mod.hard reconstituted (MHRW).
Temperature: 25 +/- 1°C.
Statistics: ToxCalc computer program.

Source: In-lab culture.
Endpoints: Survival and Growth.
Food:.15ml brine shrimp nauplii 2X daily.
Test solution volume: 250 ml.
Number of replicates: 4.
Test duration: 7 days.
Photoperiod: 16/8 hrs. light/dark cycle.
QA/QC Batch No.: RT-010727.

RESULTS SUMMARY

Sample Concentration	Percent Survival		Mean Weight of Larvae (Biomass)	
Control	87.5%		0.309 mg	
6.25%	80.0%		0.317 mg	
12.5%	82.5%		0.318 mg	
25%	71.2%		0.314 mg	
50%	85.0%		0.337 mg	
100%	82.5%		0.332 mg	

* Statistically significantly less than control at P = 0.05 level
** Growth data from concentrations greater than survival NOEC are excluded from statistical analysis.

CHRONIC TOXICITY

Parameter	Survival	Growth
NOEC	*100%*	*100%*
TUc	1.0	1.0

QA/QC TEST ACCEPTABILITY

Parameter	Result
Average Control Survival ≥80%	Yes (87.5%)
Average Dry Weight of Control ≥0.25 mg	Yes (0.351 mg mean weight)

Hazardous Materials ✓

Management Division

SAN DIEGO REGIONAL

HAZARDOUS MATERIALS QUESTIONNAIRE

KCO

H02651

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

Business Name	Contact Person	Telephone
Bob Stall Chevrolet	Chester Wells	460-1311

Mailing Address	City	State	Zip	Plan File#
P.O Box 338	La Mesa	CA	91941	

Site Address	City	State	Zip	Plan File#
7601 Alvarado Rd	La Mesa	CA	91941	

PART I: FIRE DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: OCCUPANCY CLASSIFICATION

Indicate by circling the item, whether your business will use, process, or store any of the following hazardous materials. If any of the items are circled, applicant must contact the Fire Protection Agency with jurisdiction prior to plan submittal.

1. Explosive or Blasting Agents
2. Compressed Gases
3. Flammable or Combustible Liquids
4. Flammable Solids
5. Organic Peroxides
6. Oxidizers
7. Pyrophorics
8. Unstable Reactives
9. Water Reactives
10. Cryogenics
11. Highly Toxic or Toxic Materials
12. Radioactives
13. Corrosives
14. Other Health Hazards

PART II: COUNTY OF SAN DIEGO HEALTH DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: CONTINGENCY PLAN REVIEW:

If the answer to any of the questions is yes, applicant must contact the County of San Diego Hazardous Materials Management Division, 1255 Imperial Avenue, 3rd Floor, San Diego, CA 92186-5261. Telephone (619) 338-2222 prior to the issuance of a building permit.

FEES MAY BE REQUIRED

12/1/96, Openning

	Yes	No	
1.	X		Is your business listed on the reverse side of this form?
2.	X		Will your business dispose of Hazardous Substances or Medical Waste in any amount?
3.	X		Will your business store or handle Hazardous Substances in quantities equal to or greater than 55 gallons, 500 pounds, 200 cubic feet or carcinogens/reproductive toxins in any quantity?
4.		X	Will your business use an existing or install an underground storage tank?
5.		X	Will your business store or handle Acutely Hazardous Materials?

OFFICE USE ONLY

☐ RMPP Exempt

Date / Initials

☐ RMPP Required

Date / Initials

☐ RMPP Completed

Date / Initials

PART III: SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT

If the answer to any of the questions is yes, applicant must contact the Air Pollution Control District, 9150 Chesapeake Drive, San Diego, CA 92123. Telephone (619) 694-3307 prior to the issuance of a building permit.

	YES	NO	
1.	X		Will the intended occupant install or use any of the equipment listed on the Listing of Air Pollution Control District Permit Categories, on the reverse side of this form?
2.		X	(ANSWER ONLY IF QUESTION 1 IS YES.) Will the subject facility be located within 1,000 feet of the outer boundary of a school (K through 12) as listed in the current Directory of School and Community College Districts, published by the San Diego County Office of Education and the current California Private School Directory, compiled in accordance with provisions of Education Code Section 33190?

Briefly describe nature of the intended business activity:

Relocation of Automotive Paint Spraybooth and Installation of Clean Room

Name of Owner or Authorized Agent: John Wing

Signature of Owner or Authorized Agent: I declare under penalty of perjury that to the best of my knowledge and belief the responses made herein are true and correct.

Do not write below this line [signature] Date: 9-16-96

FIRE DEPARTMENT OCCUPANCY CLASSIFICATION:

BY: Date:

EXEMPT FROM PERMIT REQUIREMENTS		APPROVED FOR BUILDING PERMIT BUT NOT OCCUPANCY		APPROVED FOR OCCUPANCY	
COUNTY-HMMD	APCD	COUNTY-HMMD	APCD	COUNTY-HMMD	APCD
		[signature] 9-18-96 DATE	AIR POLLUTION CONTROL DISTRICT REVIEWED INITIALS 9-16-96 DATE COUNTY OF SAN DIEGO		

App/BP required
fee required
in full

Environmental Health Services
DHS:HM-9171 (6/92)

County of San Diego
Department of Health Services

—FOR OFFICE USE ONLY—

P.O. BOX 85261, SAN DIEGO, CA 92138-5261 PHONE: (619) 338-2222

ESTAB NUMBER: H 02657 (2)
CENSUS TR/INC CODE: (21)
BUS CODE: (28)
UNITS: (31)
ANNUAL FEE: (35)
EXPIR DATE (MO-DA): (41)
SIC-1: (45)
SIC-2: (49)
FIRE: (53)
WATER: (55)
SEWER: (57)
ZONING: (59)
MAP ON FILE: (61)
STATUS: (62)
ASSESSOR'S PARCEL NO.: (64)

—PLEASE COMPLETE THE FOLLOWING SECTION—

ESTABLISHMENT OWNER NAME (74): THOMAS STALL
(AREA) OWNER PHONE (104): 619-286-8428

ESTABLISHMENT ADDRESS:
STREET NUMBER (114): 5803
DIRECTION (125):
STREET NAME (127): LOMOND DR
BLDG/SUITE (147):
CITY (151): SAN DIEGO
STATE (166): CA
ZIP CODE (168): 92120 -
(AREA) BUSINESS PHONE (177): 619-460-1311

SECOND NAME OR NAME OF MANAGEMENT COMPANY (187):

MAILING ADDRESS (IF DIFFERENT FROM ESTABLISHMENT ADDRESS):
STREET NUMBER (207):
DIRECTION (228):
STREET NAME (230):
BLDG/SUITE (250):
CITY (254):
STATE (269):
ZIP CODE (271) -

ESTABLISHMENT NAME (294): BOB STALL CHEVROLET

GAS STATION (314): YES = 1, OTHER = 2: 2

REASON FOR APPLICATION: (1) NEW, 2 - RE-OPEN, 3 - OWNER CHANGE

NUMBER OF EMPLOYEES: 97

IF OTHER, LIST TYPE OF BUSINESS: Auto Dealership

NAME OF PREVIOUS OWNER (326): LA MESA RV

DATE BUS ASSUMED (346): 12/09/96

CONTACT PERSON (366): JIM BUCKNER

***** ALL APPLICANTS PLEASE COMPLETE APPROPRIATE SUPPLEMENTARY FORMS

DECLARE UNDER PENALTY OF PERJURY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THE STATEMENTS MADE HEREIN ARE CORRECT AND
I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS MADE PURSUANT TO LAW AND INCIDENTAL TO THE ISSUANCE OF THIS PERMIT AND
OPERATION OF THIS BUSINESS.

SIGNATURE [signature] DATE 12/09/96

RECEIVED
DEC 10 2 28 PM '96
ENVIRONMENTAL HEALTH SERVICES

DEH:HM-927 (1/95)

County of San Diego
Department of Environmental Health

SECTION A - HAZARDOUS WASTE GENERATION

NOTE: If you know that your business generates, stores or handles hazardous wastes, please continue with Section B of the questionnaire. All others must complete #1 through #6 that follows.

1. Does your business or service generate, store or handle any of the by-products or wastes listed in the box below? YES ☐ NO ☐ Circle the letters of the categories found at your business.

A.	Solvents a. Halogenated - chloroform, methyl chloride. b. Oxygenated - acetone, butanol, ethyl acetate. c. Hydrocarbons - benzene, hexane, stoddard. d. Unspecified solvent mixtures.
B.	Sludges - Alum, paint, degreasing, caustic, paper, tetraethyl lead, lime, tank bottom waste and metal sludge.
C.	Waste Oil/Mixed Oil - Waste motor oil, fuel tank cleaning residue, oil separation waste, lube oil processing waste.
D.	Pesticides and Pesticide Rinse Water - Parathion, Malathion, Diazinon, and other pesticides; pesticide residue from container rinsing.
E.	PCB - Mineral oil contaminated-electrical capacitors, ballasts, and electrical transformers.
F.	Monomer/Polymeric Resin Waste - Plastic coating and laminating waste, resin coating, metal binding and coating resin rinse waters.
G.	Biological Waste - Infectious hospital waste, laboratory and pharmaceutical research waste exceeding 100 kg/month.
H.	Organic Liquid/Solids - Polymer extrusion waste, PVC coating residue, adhesive waste, organic stripper from semi-conductor processing waste.
I.	Contaminated Aqueous Solutions: a. With reactive anions - azide, bromate, chlorate, cyanide, fluoride, hypochlorate, nitrite, perchlorate, sulfide anions, plating rinse solutions, metal coatings and metal parts cleaning solutions. b. With heavy metals - including antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium and zinc. c. With organic residues - including degreasing and metal cleaning solutions, equipment cleaning, dry cleaning, anticorrosion and coolant solution wastes.
J.	Acid Solutions - Wastes battery acid, plating waste, printed circuit etching residue, silicon wafer reclamation and cleaning wastes, galvanizing wastes, other acidic solution wastes with pH≤ 2.
K.	Alkaline Solutions - Wastes from metal plating, anodizing and etching, containing sodium or calcium hydroxide, and other solutions with pH≥ 12.5.
L.	Asbestos - Insulation products, old pipe lagging.
M.	Metal Sludges and Dusts - Metal machining coolant sludges, metal pickling sludges, metal machining dusts.
N.	Miscellaneous - Chemical toilet waste, photochemical processing waste, laboratory chemical wastes, drilling mud, soap and detergent production wastes.

2. Do you dispose of any items in #1 by discharging them into the sewer system including down sinks, floor drains, toilets, etc.?
YES ☐ NO ☑ If yes, which category(ies) of by-product or wastes?

3. Do you dispose of any items listed in #1 in a way other than disposal into the sewer system (for example, trash cans, dumpster, storm drain, on the ground, evaporation ponds, land fills, etc)? YES ☐ NO ☑ If yes, which category(ies) of by-products or wastes? _____

SECTION A - HAZARDOUS WASTE GENERATION (continued)

4. Do you recycle any of the items listed in #1 through another company/contractor or by yourself? YES ☑ NO ☐ If yes, which category(ies) of by-products or wastes? ALL AUTOMOTIVE FLUIDS AND SOLVANTS ARE DISPOSED OF BY LICENSED TRANSPORTERS, TREATMENT CO. ☑

5. Do you manifest (prepare the required transportation document for hazardous wastes) any items listed in #1? YES ☑ NO ☐

6. If you answered "yes" to <u>any</u> of the questions (1, 3, 4, or 5) your business or service <u>does</u> generate hazardous waste and a permit from the San Diego County Department of Environmental Health is required. Continue with Section B of the questionnaire.

PLEASE RETURN THIS SECTION

SECTION B - INVENTORY OF HAZARDOUS MATERIALS

A "hazardous substance" is a chemical compound, or product for which a manufacturer or producer is required by law to prepare a Material Safety Data Sheet (MSDS) for that substance. An MSDS is a document (usually 2 or 3 pages) which contains chemical composition information, fire and explosive data, health hazard data, reactivity data, spill or leak procedures, special protection information and special precaution information. An MSDS for a hazardous substance can be obtained from the supplier of that substance. Hazardous substances also include materials requiring placard warnings during transportation.

1. Does your establishment use or handle hazardous, substances in quantities equal to or greater than 55 gallons, 500 pounds, or 200 cubic feet of compressed gas at any one time?

   Yes ☑ No ☐

2. Review the health hazards data or health and safety section of the Material Safety Data Sheets (MSDS) to see if any chemicals or substances you use are designated as a cancer-causing substance (carcinogen) or substance which may cause birth defects, miscarriages, or damage to the human reproductive system (reproductive toxin). Does your establishment use or handle carcinogens or reproductive toxins?

   Yes ☐ No ☑

3. Does your establishment use or handle gases with Threshold Limit Values (TLV) or Time Weighted Average (TWA) of 10 parts per million or less? Yes ☐ No ☑

If you have answered "Yes" to any of the above questions (1, 2, or 3), you do use or handle hazardous materials that are subject to inventory requirements and a permit from the San Diego County Department of Environmental Health is required. Continue with Section C of the questionnaire.

SECTION C - UNDERGROUND STORAGE TANKS

An "underground storage tank" is a tank, including piping, which holds hazardous wastes (as defined in Section A) or [illegible]zdous substances (as defined in Section B, regardless of volume) and has 10% or more of the total volume located below grade.

Does your business have underground storage tanks as defined above?

Yes ☐ No ☑

If you answered "yes" a permit from the San Diego County Department of Environmental Health is required.

Underground storage tanks may not be installed, removed, destroyed, repaired or operated without permits from this Department.

Continue with the Hazardous Materials Summary on page 4.

PLEASE RETURN THIS SECTION

HAZARDOUS MATERIALS SUMMARY

Complete the following information regarding the handling of hazardous materials at your business or service. Check one statement.

☑ This business or service does generate hazardous waste, handles hazardous materials subject to the inventory requirements and/or has underground storage tanks that requires a permit from the San Diego County Department of Environmental Health.

☐ I have determined that this business or service does not generate hazardous waste, handle hazardous materials subject to the inventory requirements or has underground storage tanks requiring permits from the San Diego County Department of Environmental Health.

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature _____ Title Shop Foreman

Date 12/09/96 Phone (619) 460-1311

Type of Business AUTO DEALERSHIP

Please complete the business information on the following page and return this questionnaire to the San Diego County Department of Environmental Health in the pre-addressed return envelope or mail using the following address.

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 1520
SAN DIEGO CA 92112-1261

If a San Diego County Hazardous Materials Management Permit is required for your business or service a representative of this Department will complete an inspection of your business. Permit fees will be determined from the inspection and a billing statement will be mailed.

NOTE: If you do not use hazardous materials, generate hazardous waste, or have underground storage tanks you are still required to return this form.

A representative of the San Diego County Department of Environmental Health may contact you to verify the information provided on this questionnaire.

HAZARDOUS MATERIALS SUMMARY

Complete the following information regarding the handling of hazardous materials at your business or service. Check one statement.

☑ This business or service does generate hazardous waste, handles hazardous materials subject to the inventory requirements and/or has underground storage tanks that requires a permit from the San Diego County Department of Environmental Health.

☐ I have determined that this business or service does not generate hazardous waste, handle hazardous materials subject to the inventory requirements or has underground storage tanks requiring permits from the San Diego County Department of Environmental Health.

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature _____ Title Shop Foreman

Date 12/09/96 Phone (619) 460-1311

Type of Business AUTO DEALERSHIP

Please complete the business information on the following page and return this questionnaire to the San Diego County Department of Environmental Health in the pre-addressed return envelope or mail using the following address.

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO CA 92186-5261

If a San Diego County Hazardous Materials Management Permit is required for your business or service a representative of this Department will complete an inspection of your business. Permit fees will be determined from the inspection and a billing statement will be mailed.

NOTE: If you do not use hazardous materials, generate hazardous waste, or have underground storage tanks you are still required to return this form.

A representative of the San Diego County Department of Environmental Health may contact you to verify the information provided on this questionnaire.

KCO H02651

Hazardous Materials Management Division

SAN DIEGO REGIONAL HAZARDOUS MATERIALS QUESTIONNAIRE

H02651

AIR POLLUTION CONTROL DISTRICT COUNTY OF SAN DIEGO

Business Name	Contact Person	Telephone
Bob Stall Chevrolet	Chester Wells	460-1311

Mailing Address	City	State	Zip	Plan File#
P.O. Box 338	La Mesa	CA	91941	

Site Address	City	State	Zip	Plan File#
7601 Alvarado Rd	La Mesa	CA	91941	

PART I: FIRE DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: OCCUPANCY CLASSIFICATION

Indicate by circling the item, whether your business will use, process, or store any of the following hazardous materials. If any of the items are circled, applicant must contact the Fire Protection Agency with jurisdiction prior to plan submittal.

1. Explosive or Blasting Agents
2. Compressed Gases
3. Flammable or Combustible Liquids
4. Flammable Solids
5. Organic Peroxides
6. Oxidizers
7. Pyrophorics
8. Unstable Reactives
9. Water Reactives
10. Cryogenics
11. Highly Toxic or Toxic Materials
12. Radioactives
13. Corrosives
14. Other Health Hazards

PART II: COUNTY OF SAN DIEGO HEALTH DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: CONTINGENCY PLAN REVIEW:

If the answer to any of the questions is yes, applicant must contact the County of San Diego Hazardous Materials Management Division, 1255 Imperial Avenue, 3rd Floor, San Diego, CA 92186-5261. Telephone (619) 338-2222 prior to the issuance of a building permit.

FEES MAY BE REQUIRED

12/1/96, openning

	Yes	No	
1.	X		Is your business listed on the reverse side of this form?
2.	X		Will your business dispose of Hazardous Substances or Medical Waste in any amount?
3.	X		Will your business store or handle Hazardous Substances in quantities equal to or greater than 55 gallons, 500 pounds, 200 cubic feet or carcinogens/reproductive toxins in any quantity?
4.		X	Will your business use an existing or install an underground storage tank?
5.		X	Will your business store or handle Acutely Hazardous Materials?

OFFICE USE ONLY

- ☐ RMPP Exempt — Date / Initials
- ☐ RMPP Required — Date / Initials
- ☐ RMPP Complete — Date / Initials

PART III: SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT

If the answer to any of the questions is yes, applicant must contact the Air Pollution Control District, 9150 Chesapeake Drive, San Diego, CA 92123. Telephone (619) 694-3307 prior to the issuance of a building permit.

	YES	NO	
1.	X		Will the intended occupant install or use any of the equipment listed on the Listing of Air Pollution Control District Permit Categories, on the reverse side of this form?
2.		X	(ANSWER ONLY IF QUESTION 1 IS YES.) Will the subject facility be located within 1,000 feet of the outer boundary of a school (K through 12) as listed in the current Directory of School and Community College Districts, published by the San Diego County Office of Education and the current California Private School Directory, compiled in accordance with provisions of Education Code Section 33190?

Briefly describe nature of the intended business activity:

Relocation of Automotive Paint Spraybooth and Installation of Clean Room

Name of Owner or Authorized Agent: John Wing

Signature of Owner or Authorized Agent: I declare under penalty of perjury that to the best of my knowledge and belief the responses made herein are true and correct.

Date: 9-16-96

Do not write below this line

FIRE DEPARTMENT OCCUPANCY CLASSIFICATION: _____

BY: _____ Date: _____

EXEMPT FROM PERMIT REQUIREMENTS		APPROVED FOR BUILDING PERMIT BUT NOT OCCUPANCY		APPROVED FOR OCCUPANCY	
COUNTY-HMMD	APCD	COUNTY-HMMD	APCD	COUNTY-HMMD	APCD
		9/18/96 Date	AIR POLLUTION CONTROL DISTRICT REVIEWED INITIALS 96 9-16 DATE COUNTY OF SAN DIEGO		

App/BP Issued

H02651-001
CLS

Cal/EPA

MAY - 1997

Pete Wilson
Governor

State Water Resources Control Board

Division of Clean Water Programs

Mailing Address:
P.O. Box 944212
Sacramento, CA
94244-2120

2014 T Street,
Suite 130
Sacramento, CA
95814
(916) 227-4307
FAX (916) 227-4530

World Wide Web:
http://www.swrcb.ca.gov/~cwphome/fundhome.htm

JIM BUCKNER
LA MESA RV CENTER
7430 COPLEY PARK PLACE
SAN DIEGO, CA 92111

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 006287, FOR SITE ADDRESS: 7601 ALVARADO RD, LA MESA

The State Water Resources Control Board (State Board) is able to issue, pursuant to applicable regulations, the enclosed Letter of Commitment (LOC) in an amount not to exceed **$85,000**. This LOC is based upon our review of the corrective action costs you reported to have incurred to date. The LOC may be modified by the State Board.

It is very important that you read the terms and conditions listed in the enclosed LOC. Claims filed with the Underground Storage Tank Cleanup Fund far exceed the funding available and it is very important that you make use of the funding that has been committed to your cleanup in a timely manner.

Consequently, if you do not submit your first reimbursement request for corrective action costs which you have incurred within ninety (90) calendar days from the date of this letter, your funds will automatically be deobligated. Once deobligated, any future funds for this site will be obligated subject to availability of funds at such time when we receive your reimbursement request.

You are reminded that you must comply with all regulatory agency time schedules and requirements and you must obtain three bids for any required corrective action. Only corrective action costs *required* by the regulatory agency to protect human health, safety and the environment can be claimed for reimbursement. **Unless waived in writing, you are required to obtain *preapproval of costs* for all future corrective action work (form enclosed).** If you have any questions on obtaining preapproval of your costs or the three bid requirement, please call Brian Kelley, our engineer assigned to claims in your Region, at (916) 227-2783. Failure to obtain preapproval of your future costs may result in the costs not being reimbursed.

MAY 12 1997

The following documents needed to submit your reimbursement request are enclosed:

- ☐ "Reimbursement Request Instructions" package. **Retain this package for future reimbursement requests**. These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in the instruction package are samples of completed reimbursement request forms and spreadsheets.
- ☐ "Bid Summary Sheet" to list information on bids received which **must be completed and returned**.
- ☐ "Certification of Non-Recovery From Other Sources" which **must be returned before any reimbursements can be made.**
- ☐ "Reimbursement Request" forms which you **must use to request reimbursement of costs incurred**.
- ☐ "Spreadsheet" forms which you **must use in conjunction with your reimbursement request**.
- ☐ "Claimant Data Record" (Std. Form 204) which **must be completed and returned with your first reimbursement request.**

We continuously review the status of all active claims. If you do not submit a reimbursement request or fail to proceed with due diligence with the cleanup, we will take steps to withdraw your LOC.

If you have any questions regarding the enclosed documents, please contact Anna Torres at (916) 227-4388.

Sincerely,

Doug Wilson

Dave Deaner, Manager for
UST Cleanup Fund Program

Enclosures

cc:
Mr. Chuck Pryatel
San Diego County EHD
1255 Imperial Ave., 3rd Fl.
San Diego, CA 92101-5261

Phyllis 495-5872

8m 2-14

COUNTY OF SAN DIEGO

Page 1 of 2

EST. NO. H 02651
DATE 2/11/97
TIME START 9 54 END 11 20 A
BUS. CODE K31
SPECIALIST CHALMERS
CONTACT JOHN
TITLE SERV. MGR
PHONE 460-1311

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7601 Alvarado Road
CITY/ZIP LA Mesa 91941

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

Change of ownership: 12/96. P.3/12/97

FEB 25 1997

(Formerly LA Mesa RV Center).

1) No HMMD Health Permit. An Application dated 12/9/96 was on site and had been submitted to HMMD during AB 3205 Process. Application will be processed and a HMMD bill will be mailed to your facility when fees are paid your permit will be mailed to your site. Keep on site.

2) Business plan dated 10/24/96 along with Hazardous materials Inventory dated 12/16/96 was received by HMMD during AB 3205 Process. A copy was obtained during inspection.
   a.) within 30 days, submit an Amended Site map that is current to HMMD, Attn: P. Chalmers to Address below. A follow-up inspection may be made at that time to verify that map is Accurate.
   b.) 1,302 CF of Helium on site was Added to your inventory. Also 55 g. of Kerosene was Added

3) Used oil filter container not closed. Keep all container closed at all times except when in immediate use.

4) No ust's are present.

5) EPA Id # is CAR 0000 15479

Shop Foreman — Signature of Business Representative
2/11/97 — Date Signed
Shop Foreman — Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-924 (Rev. 1/96) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 026 51

DATE 2 / 11 / 97

PAGE 2 OF 2

BUSINESS ADDRESS: 7601 Alvarado Rd - La Mesa 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 — V0108 W____
- [ ] No EPA Identification Number 66262.12 — OK — V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to DTSC 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with DTSC 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING

- [ ] Waste stored longer than 90, 180, or 270 days 66262.34 — V0221 W____
- [ ] Failure to clean up hazwaste off of floor surface 66262.10b — V0313 W____
- [ ] Waste container missing/improperly labeled 66262.34 — V0222 W____
- [ ] Haz Materials not properly labeled 25124 — V0223 W____
- [ ] Waste container not kept closed 66265.173 — V0202 W____
- [ ] Waste container in poor condition 66265.171 — V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W____
- [ ] Damaged container not repackaged 66265.171 — V0226 W____
- [ ] Container incompatible with waste 66265.172 — V0207 W____
- [ ] Incompatibles in the same container 66265.177 — V0224 W____
- [ ] Incompatibles not stored separately 66265.177 — V0213 W____
- [ ] Ignitible Waste less than 50 feet 66265.176 — V0214 W____
- [ ] Ignitible Waste not grounded 66265.31 — V0215 W____
- [ ] Storage area not inspected weekly 66265.174 — V0216 W____

DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to _____ 25189.5 — V0313 W____
- [ ] Waste determination not made 66262.11 — V0319 W____
- [ ] Unlawful transport of haz. waste 25163 — V0315 W____
- [ ] Waste transported without manifest 66262.20 — V0316 W____
- [ ] Extremely Haz Waste Permit not obtained 25205.7 — V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [ ] Training records unavailable 66265.16 — V0405 W____
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [ ] Used oil filters improperly managed 66266.130 — Open — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered permitting) — V0125 W____
- [ ] Onsite treatment of waste without authorization 25201 — V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25284 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641(j) — V3001 T____
- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T____
- [ ] Improper liquid measurements 2646 — V3021 T____
- [ ] Stick in poor condition 2646 — V3022 T____
- [ ] Improper monthly reconciliation 2646 — V3023 T____
- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____
- [ ] No written monitoring procedure 2641 — V3027 T____
- [ ] No written emergency response plan 2641 — V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written emergency response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip not maintained or installed 2635 — V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Unused tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____
- [ ] Failed to apply for temporary closure 25298 — V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- [ ] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 19 CCR 2732 — V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

ESTABLISHMENT REPRESENTATIVE — 2/11/97 DATE SIGNED — Shep Foreman TITLE

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 10/96) NCR

COUNTY OF SAN DIEGO

Page 1 of 5

EST. NO. H 02651

DATE 3-31-98

TIME START 8:45 END 11:55

BUS. CODE K 31

SPECIALIST MONNIE

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7601 Alvarado Rd.
CITY/ZIP La Mesa, CA. 91941

CONTACT John Hastins
TITLE Shop Foreman
PHONE 460-1311

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

Routine INSPection 04/30/98 CS

APR 08 1998

(1) OBserved - Unable to Locate waste manifests/disposal receipts for used ANti freeze from 8-97 to present - All waste disposal receipts for all Hazardous Waste Need to be available for inspection - for past 3 years.

Corrective Action - Provide copies of Waste manifests/disposal receipts for used ANti freeze from 8-97 to present - Mail Copies att - Peter Monnie at address below (Recycled on site - Machine-owned - B.G. chemicals)

(2) OBserved - Matching Manifest signed by TSDF (Toxic substance disposal Facility) Not available for Hazardous Waste (ANtifreeze) - Generator (Bob Stall Chev.) must keep copies of Generator copy of Waste Manifests + TSDF signed copy (as proof that waste reached treatment/disposal site for 3 years.

Corrective action - IN future - Generator copy of waste Manifests must be combined with TSDF signed copy before final filing - and be available for inspection for 3 years.

3 - OBserved - Hazardous waste containers in the following areas had No Labels or illegible Labels. All Hazardous Wastes Must have Labels indicating the type of waste, date of accumulation

Signature of Business Representative Pat Moran - | 3/30/98 Date Signed | Service Manager Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box ~~92261~~, San Diego, CA, ~~92186-5261~~

(619) 338-2222

DEH:HM-924 (Rev. 1/96) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

EST. NUMBER H 02651

DATE 3 / 31 / 98

PAGE 2 OF 5

SUPPLEMENTAL INSPECTION REPORT

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Rd ZIP CODE: 91941

(3) - continued — address, Name + phone #

Corrective action — place Hazardous Waste Labels immediately containing the above information on all Hazardous waste - specifically the following

1 — Waste oil - 5 gallon open bucket - by sodium Hydroxide hot cleaner - (oil seperated from water) —

2 - (2) 55 gallon drums waste oil by large waste oil tank. + 15 gallon drum in same area

3 - all waste oil filter drums

4 - Waste Brake Fluid - 30 gallons in Brake Dept.

5 - Drivecabiling — 30 gallon - Waste fuel filters

6 - Waste Paint filters in body shop - (illegible)

7 - Paint sludge in cabinet (2 - 55 gallon Drums) in body shop.

(4) - Observed Waste Containers Not kept Securely closed - at all times except when in immediate use. All waste (Haz) Containers must be secured against possible spills with tight fitting lids + closed opening at all times unless in immediate use —

Corrective Action - Secure all open Hazardous waste Containers - specifically the following

1 - 5 gallon waste oil bucket - by Hot cleaner

2 - (2) 55 gallon waste oil drums + 15 gallon waste oil drum (mixed with water) by large waste oil Storage tank —

3 - all waste Antifreeze drums (by large oil Storage tank —

4 - All waste oil filter drums —

5 - Paint sludge drums - (should be closed unless (Cont)

Signature of Business Representative 3/31/98 Date Signed Senior Manager Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box ~~85261,~~ San Diego, CA, ~~92186-5261~~

(619) 338-2222 129261 92112-9261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-9110 (3/96) NCR

COUNTY OF SAN DIEGO

EST. NUMBER H 02651

DATE 3 / 31 / 98

PAGE 3 OF 5

SUPPLEMENTAL INSPECTION REPORT

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Rd ZIP CODE: 91941

(4) - Continued
5 - Paint sludge drums should be closed (or shut off valve installed on funnel) when not in immediate use.

(5) - Observed - Last Training of Employees took place on 3-6-96 according to records provided
(8),(9) training should take place Annually and cover the following topics: the training should be recorded with date topics covered, and signatures of Employees attended.
1 - Procedures for handling Hazardous materials/wastes
2 - Procedures for Coordinating with Emergency response Agencies
3 - Use of Emergency response Equipment + Material
4 - Implementation of Emergency response plan -
Corrective Action - Conduct training within 30 days in above topics - send copy of training record att - Peter Morris to address below

(6) Observed - waste oil contaminated - open drum (15 gallon) by large Waste oil Storage area - is partially filled with rainwater + debris -
Corrective action - Secure all drums containing Haz-Waste against outside Contamination + Spillage Immediately -

Signature of Business Representative | 3/31/98 Date Signed | Service Manager Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box ~~85261~~, San Diego, CA, ~~92186-5261~~

(619) 338-2222 129261 92112-9261

DEH:HM-9110 (3/96) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

EST. NUMBER H 02651

DATE 3 / 31 / 98

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SUPPLEMENTAL INSPECTION REPORT

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Rd ZIP CODE: 91941

(7) OBServed - Used oil filters IN open drums, or IN drums with unsecured lids.
All Hazardous wastes, including used oil filters are required to be placed IN drums with secure openings to prevent spillage (except IN immediate use)
Corrective action - Secure all waste all filters drums + keep secure unless IN immediate use

(8, 9) - See (5)

(10) - OBServed - Site map on file does not accurately reflect site as INSpected.
The site map must reflect the location of all departments + Hazardous materials + wastes to be used to emergency response organizations
Corrective action - Within 30 days, revise the site plan to accurately reflect the Location of all departments, Hazardous material + waste + location of all storm drains, Electrical + Gas + water shutoff's - (See business plan - for other items that site must be included - page #9 + 10. - mail attention Pete Morris - at address below -

Remarks - Emergency response INformation updated this inspection
- Health permit expires 12-31-98
- Business plan will be updated when revised site map is received + accepted.

Signature of Business Representative | 3/31/98 Date Signed | Scott Monsen Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box ~~92261, San Diego, CA, 92193-9261~~ 129261 92112-9261

(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-9110 (3/96) NCR

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 02651

DATE 3/31/98

PAGE 5 OF 5

BUSINESS ADDRESS: 7601 Alvarado Rd, La Mesa

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 — V0108 W
- [ ] No EPA Identification Number 66262.12 — V0105 W
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W
- [ ] Manifest not properly completed 66262.23 — V0120 W
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W
- [x] TSDF signed-manifest not on-site 66262.40 — V0121 W
- [ ] Biennial report not sent to DTSC 66262.41 — V0122 W
- [ ] LDR Documentation not available 66268.7 — V0123 W
- [ ] Exception Rpt. not filed with DTSC 66262.42 — V0116 W
- [ ] Operating TSDF without authorization 25201 — V0124 W

STORAGE AND HANDLING

- [ ] Waste stored longer than 90, 180, or 270 days 66262.34 — V0221 W
- [ ] Failure to clean up hazwaste off of floor surface 66262.10b — V0313 W
- [x] Waste container missing/improperly labeled 66262.34 — V0222 W
- [ ] Haz Materials not properly labeled 25124 — V0223 W
- [x] Waste container not kept closed 66265.173 — V0202 W
- [ ] Waste container in poor condition 66265.171 — V0205 W
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W
- [ ] Damaged container not repackaged 66265.171 — V0226 W
- [ ] Container incompatible with waste 66265.172 — V0207 W
- [ ] Incompatibles in the same container 66265.177 — V0224 W
- [ ] Incompatibles not stored separately 66265.177 — V0213 W
- [ ] Ignitible Waste less than 50 feet 66265.176 — V0214 W
- [ ] Ignitible Waste not grounded 66265.31 — V0215 W
- [ ] Storage area not inspected weekly 66265.174 — V0216 W

DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to _____ 25189.5 — V0313 W
- [ ] Waste determination not made 66262.11 — V0319 W
- [ ] Unlawful transport of haz. waste 25163 — V0315 W
- [ ] Waste transported without manifest 66262.20 — V0316 W
- [ ] Extremely Haz Waste Permit not obtained 25205.7 — V0317 W

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [x] Training records unavailable 66265.16 — V0405 W
- [ ] Training program not adequate 66265.16 — V0406 W
- [ ] Facility not designed to minimize release 66265.31 — V0501 W
- [ ] Spill control equip not available 66265.32 — V0508 W
- [ ] Aisle space is obstructed 66265.35 — V0509 W
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W

MISCELLANEOUS

- [x] Waste oil contaminated 25250.7 — V0225 W
- [x] Used oil filters improperly managed 66266.130 — V0701 W
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered pemitting) — V0125 W
- [ ] Onsite treatment of waste without authorization 25201 — V0125 W

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T
- [ ] UST Permit Application not submitted 25286(a) — V3010 T
- [ ] Operating permit conditions violated 2712 — V3011 T
- [ ] Failed to notify HMMD of changes 25284 — V3012 T
- [ ] No owner/operator agreement 25284 — V3005 T
- [ ] No records of financial coverage 25292.2 — V3013 T
- [ ] No maint/monit/calib records available 2712(b), 2641(j) — V3001 T
- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T
- [ ] Integrity test not conducted 25292 — V3015 T
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T
- [ ] Reconciliation not done properly 2646 — V3018 T
- [ ] Reconciliation not approved for facility 2646 — V3019 T
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T
- [ ] Improper liquid measurements 2646 — V3021 T
- [ ] Stick in poor condition 2646 — V3022 T
- [ ] Improper monthly reconciliation 2646 — V3023 T
- [ ] Failed to report excessive variation 2646 — V3024 T
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T
- [ ] No written monitoring procedure 2641 — V3027 T
- [ ] No written emergency response plan 2641 — V3027 T
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T
- [ ] No written monitoring procedure 2632 — V3027 T
- [ ] Written emergency response plan not available 2632 — V3028 T
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T
- [ ] Release record log not available 2651, 2650 — V3030 T
- [ ] No leak report/investigation/action 2652 — V3031 T

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T
- [ ] Unused tank not properly closed 25298 — V3032 T
- [ ] Permanent closure req. not completed 2672 — V3033 T
- [ ] Failed to apply for temporary closure 25298 — V3008 T

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W
- [ ] Business Plan not established/implemented 25503.5 — V2002 W
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W
- [ ] Business Plan not amended 25505 — V2003 W
- [x] Personnel Training Records not available 19 CCR 2732 — V2302 W

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W
- [ ] Emergency Contacts not provided/current 25509 — V2203 W
- [x] Personnel Training Program inadequate 25504 — V2301 W
- [ ] Inventory is incomplete 25504 — V2005 W
- [x] Site Map is not sufficient 25509 — V2202 W
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

ESTABLISHMENT REPRESENTATIVE	DATE SIGNED	TITLE
[signature]	3/31/98	Store Manager

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box ~~92261~~ 92112-9261, San Diego, CA ~~92186-5261~~

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 10/96) NCR

COUNTY OF SAN DIEGO

EST. NO. H 02651
DATE 5-28-99
TIME START 10:30 END 2:30
BUS. CODE K31
SPECIALIST D. Thurlow
CONTACT John Haskins
TITLE Safety Coord.
PHONE 460-1311

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7607 Alvarado Rd.
CITY/ZIP La Mesa 91941

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

Routine Inspection JUN 30 1999 FILE 7-1-99

On this date a routine inspection was completed. The following was observed.

- Auto Body Shop -

1) The 55 gallon drum used to store waste paint thinner is missing the hazardous waste label information. The labe must be readable with praper information.

- Corrective Action: Properly label the hazardous waste container (55 gallon drum) with a waste label and complete all necessary information.

2) Three 5 gallon containers located in the paint mixing room, adjacent to the spray booth, have paint thinner used for cleaning/rinsing equipment. The containers are unlabeled without any identifying information describing the contents of the containers.

Corrective Action: All containers storing a hazardous material or waste must be labeled identifying the contents. Label these containers within 10 days or handle as a hazardous waste.

Signature of Business Representative — 5/28/99 Date Signed — Shop Foreman Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 129261, San Diego, CA, 92112-9261

(619) 338-2222

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 02651
DATE 5 / 28 / 99
PAGE 2 OF 4

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Rd. La Mesa ZIP CODE: 91941

3) Compressed cylinder bottles must be secured at all times to prevent bottles from being tipped over, broken valves and possible projectiles.

Corrective Action: Helium bottles must be secured so they will not have the potential for being knocked over. Secure chain tighter around bottles.

- Automotive Repair - Mechanical -

4) Spills of antifreeze and oil were observed on the shop floor. Engine fluids (hazardous waste) must be cleaned up when spilled.

Corrective Action: Clean up engine fluids that spill onto the floor surface as soon as possible.

5) Drained used oil filters are stacked over the rim of the storage container. Store filters in containers that the lid can be closed.

Corrective action: make use of all containers for used oil filters so that filters are not stacked above containers rim.

Signature of Business Representative | 5-28-99 Date Signed | Shop Foreman Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO HMMD
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DEH:HM-9110 (3/96) NCR

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H02561
DATE 5/28/99
PAGE 3 OF 4

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Rd La Mesa ZIP CODE: 91941

(Autobody cont.)

6) The Lid on the waste thinner drum will not close tight as it is covered with dried paint.

Corrective Action: Either clean off old dried paint or replace top so that the Lid will close tight. (Lid must remain closed unless adding or removing waste from container.

7) Sanding dust and dried paint over spray was washed into the drain (attached to clarifier) This material must be swept up as much as possible and not washed out of work area.

* Appears to have well developed IIPP program along with employee training documentation.

Signature of Business Representative

5-28-99
Date Signed

Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-9110 (3/96) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 02651

DATE 5/28/97

PAGE 4 OF 4

BUSINESS ADDRESS: 7601 Alvarado Rd. La Mesa 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

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- [ ] No EPA Identification Number 66262.12 — V0105 W____
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- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to DTSC 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with DTSC 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING

1 [ ] Waste stored longer than 90, 180, or 270 days 66262.34 — V0221 W____
2 [X] Failure to clean up hazwaste off of floor surface 66262.10b — V0313 W____
3 [X] Waste container missing/improperly labeled 66262.34 — V0222 W____
4 [X] Haz Materials not properly labeled 25124 — V0223 W____
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[ ] Damaged container not repackaged 66265.171 — V0226 W____
[ ] Container incompatible with waste 66265.172 — V0207 W____
[ ] Incompatibles in the same container 66265.177 — V0224 W____
[ ] Incompatibles not stored separately 66265.177 — V0213 W____
[ ] Ignitible Waste less than 50 feet 66265.176 — V0214 W____
[ ] Ignitible Waste not grounded 66265.31 — V0215 W____
[ ] Storage area not inspected weekly 66265.174 — V0216 W____

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- [ ] Unauth. disposal of waste to _____ 25189.5 — V0313 W____
- [ ] Waste determination not made 66262.11 — V0319 W____
- [ ] Unlawful transport of haz. waste 25163 — V0315 W____
- [ ] Waste transported without manifest 66262.20 — V0316 W____
- [ ] Extremely Haz Waste Permit not obtained 25205.7 — V0317 W____

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- [ ] Training records unavailable 66265.16 — V0405 W____
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
5 [X] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered pemitting) — V0125 W____
- [ ] Onsite treatment of waste without authorization 25201 — V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
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- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25284 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641(j) — V3001 T____
- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T____
- [ ] Improper liquid measurements 2646 — V3021 T____
- [ ] Stick in poor condition 2646 — V3022 T____
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- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____
- [ ] No written monitoring procedure 2641 — V3027 T____
- [ ] No written emergency response plan 2641 — V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written emergency response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Unused tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____
- [ ] Failed to apply for temporary closure 25298 — V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- [ ] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 19 CCR 2732 — V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

ESTABLISHMENT REPRESENTATIVE	DATE SIGNED	TITLE
[signature]	5/28/97	Shop Foreman

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 129261, San Diego, CA 92112-9261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 1/98) NCR

COUNTY OF SAN DIEGO

AST CERTIFICATION & ENGINEERING ASSESSMENT EXEMPTION NOTIFICATION

EST. NO. H 02651
DATE 2/22/01
TANK CAPACITY 500 gal
CONTENTS Used Oil
SECONDARY CONTAINMENT TYPE metal reservoir
YEAR INSTALLED 1991
U/L APPROVED (Y/N)
TANK ID (if applicable)
SPECIALIST Seige
DATE OF REQUEST

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7001 Alvarado Road
CITY/ZIP La Mesa, CA 91941

☐ I certify that the above ground used oil/waste antifreeze tank meets the requirements of the California Code of Regulation (CCR) for exemption from the Professional Engineering Assessment [reference Title 22 CCR section 66265.192(j)]. The Local Fire Marshal installation, usage, and design approval is attached. *

Owner/Operator Signature Thomas Stall Print Name Thomas Stall Date 2-2-2001

The Hazardous Materials Division (HMD) conditionally approves the installation of the used oil/waste antifreeze above ground storage tank as long *as you comply with the following terms and conditions*:

TERMS AND CONDITIONS

1. The aboveground tank, installed after July 1, 1991, must contain **used oil or waste antifreeze** only **(a non-RCRA waste)** as defined in HSC section 25250.1 and has no connected piping.
2. The local Fire Marshall approved and/or permitted the installation, usage, and design per municipal codes and the tank operator maintains documentation supporting this requirement.
3. The primary tank is surrounded with greater than 100% secondary containment.
4. If the tank system is exposed to precipitation, the secondary containment must, in addition to the requirement of item 3 above, be able to handle a 25 year, 24 hour rainfall event, with no intrusion or flooding problems. The HMD strongly advises that the tank system be completely covered to prevent such problems, following all local building and zoning requirements.
5. The facility must have a written leak detection program and **daily** inspection logs onsite as required in 22 CCR sections 66265.194-195 for review by HMD inspectors. Ensure that appropriate controls and practices are in-place at all times to prevent spills, leaks, or overflows from occurring. The secondary containment should be kept empty and dry, except when there is a leak or spill, at which time the secondary containment must be thoroughly cleaned out within 24 hours. The cause of a leak or spill would need to be determined and corrective actions taken (refer. 22 CCR section 66265.196).
6. The tank must be installed and maintained on a non-permeable surface, i.e. concrete (in good repair) or sealed asphalt (in good condition).
7. The operator needs to revise their Business Plan site map, if applicable.
8. The facility should maintain a photocopy of this notification onsite to show to an inspector during facility inspections.

Provided you do not change the configuration of the tank, this exemption is good for 3 years from the date of request for exemption above. In the future, if you make any changes or modifications to the tank system, submit a description of the proposed changes in writing to the HMD 30 days before making the changes to ensure compliance with applicable regulations. Attached is a fact sheet developed by the HMD for your information regarding the regulation of hazardous waste tank systems.

This approval does not exempt your facility from compliance with additional requirements that may be enforced by other local, State, or Federal agencies with regards to storage of hazardous materials in a tank system.

HMD Supervisor's Signature _____ Date Signed 4-4-01

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

City of La Mesa

February 1, 2001

Mr. John Hoskins, Shop Foreman
Bob Stall Chevrolet
7601 Alvarado Rd.
La Mesa, CA 91941

Re: Inspection of Shop & Waste Oil Tank

This letter is to follow-up my inspection of your shop facility today and concerns regarding your waste oil tank. Based on my inspection and examination of the waste oil tank, it doesn't appear to have a leak.

Upon my inspection there was a light sheen of oil and about a ½ " of water present in the secondary containment reservoir. Although I did not conduct a pressure test of the tank it is not likely that the tank has a leak. The tank appeared to be in good condition. There was no evidence of any damage to the exterior of the tank or area surrounding the tank. In looking through our inspection files in the office, overspill into the secondary containment reservoir is common. It has been my experience that this has occurred at several other locations in the City as well. Secondary containment is designed to prevent release of the material onto the ground in the event of a leak or "spillage". Based on these facts I do not believe there is a leak in your tank. Please have the water and oil present in the secondary containment reservoir drained and disposed of in the proper method.

According to my records you are due for annual fire inspection. I will have Bob contact you for an appointment upon his return to work toward the end of the month. If you would like the inspection prior to that time, please contact me and I will conduct the inspection myself. Additionally, if you would like me to forward a copy of this letter to the County inspector for file I would be happy to do so.

Thank you for your efforts to maintain a safe, hazard free shop environment.

Sincerely,

Bruce Kerl

Bruce Kerl
Fire Marshal/Division Chief
(619) 667-1472

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 4
EST. NO. H 02651
DATE 1/4/01
TIME START 10:00 END 2:00
BUS. CODE K31
SPECIALIST A. Siegel / K. Misleh
CONTACT John Hoskins
TITLE Shop Foreman
PHONE 460-1311

DROC mgu 1/26/01 FU

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7601 Alvarado Rd
CITY/ZIP La Mesa 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

JAN 19 2001

Routine Inspection:

Violations:

① Secondary containment for above ground used oil tank contains >10 gallons of used oil and other debris including oily rags.
-Corrective action: Within 5 ~~30~~ days, pump out liquid from secondary containment & dispose of properly. Secondary containment should be maintained dry & free of debris.

② Faded, deteriorated waste labels observed on various drums and above ground waste tank including paint waste barrel, waste antifreeze drum, paint can drum, spray gun solvent containers, used antifreeze container on recycler, used fuel filter drum.
-Corrective action: within 5 days, properly label all containers

③ Tank standards: no daily inspection log of tank is done, possible leak - observed used oil in secondary containment, no P.E. certification observed or exemption.
-Corrective action: as stated previously (#1) remove liquid & debris from secondary containment.

1-4-01 Shop Foreman
Signature of Business Representative — Date Signed — Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-924 (Rev. 2/99) NCR

DISTRIBUTION: WHITE- RETURN TO HMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 02651

DATE: 1/4/01

PAGE: 2 OF 4

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Rd, La Mesa ZIP CODE: 91941

cont:

immediately begin conducting daily inspection logs with a sheet onsite to monitor for leaks. and within 30 days, provide PE certification or exemption procedure to this office on form provided

(4). Several containers of waste observed not closed properly: drained used oil filters, used antifreeze paint can barrel (body shop).
-corrective action: Immediately cover/close containers properly when not adding or removing waste to prevent spills.

(5) 4 drums labeled "empty" observed filled with paint cans.
-corrective action: within 30 days conduct a waste classification on contents & dispose of in accordance with state law.
* conduct a waste classification also on the following waste streams: paint booth filters, paint paper filters old brake cleaner parts washers (2 units)

(6) Remarks: a) observed antifreeze on pavement in various areas. Ensure all spills are cleaned up immediately - Follow best management practices to prevent storm water pollution.

Signature of Business Representative

1-4-01
Date Signed

Supervisor
Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-9110 (Rev. 2/99) NCR

DISTRIBUTION: WHITE-RETURN TO HMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 02651

DATE: 1/4/01

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Rd, La Mesa ZIP CODE: 91941

cont.)

b) recommend during next training session to review disposal of contaminated containers, proper labeling.
-Be advised it is unlawful to dispose of paint debris to regular trash
-Be sure paint cans are completely empty & dry before managing as regular trash

c) submit a written reply within 30 days to this office attn: Amy Seiger addressing all issues in this inspection report.

-Health permit is current
-Business plan was submitted 12/27/00, copy of plan submitted today
-Emergency response information verified
-Inventory updated
-Disposal manifests/receipts onsite & available for review

*recommend secondary containment for waste containers: antifreeze, used oil filters

Signature of Business Representative

1-4-01
Date Signed

Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-9110 (Rev. 2/99) NCR

DISTRIBUTION: WHITE-RETURN TO HMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 02651
DATE 1 / 4 / 01
PAGE 4 OF 4

BUSINESS ADDRESS: 7601 Alvarado Rd La Mesa 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 — V0108 W____
- [ ] No EPA Identification Number 66262.12 — V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to DTSC 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with DTSC 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING

- [ ] Waste stored longer than 90, 180, or 270 days 66262.34 — V0221 W____
- [ ] Failure to clean up hazwaste off of floor surface 66262.10b — V0313 W____
- [X] Waste container missing/improperly labeled 66262.34 — V0222 W ✓ (1)
- [ ] Haz Materials not properly labeled 25124 — V0223 W____
- [X] Waste container not kept closed 66265.173 — V0202 W ✓ (2)
- [ ] Waste container in poor condition 66265.171 — V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W____
- [ ] Damaged container not repackaged 66265.171 — V0226 W____
- [ ] Container incompatible with waste 66265.172 — V0207 W____
- [ ] Incompatibles in the same container 66265.177 — V0224 W____
- [ ] Incompatibles not stored separately 66265.177 — V0213 W____
- [ ] Ignitible Waste less than 50 feet 66265.176 — V0214 W____
- [ ] Ignitible Waste not grounded 66265.31 — V0215 W____
- [ ] Storage area not inspected weekly 66265.174 — V0216 W____

DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to _____ 25189.5 — V0313 W____
- [X] Waste determination not made 66262.11 — V0319 W ✓ (3)
- [ ] Unlawful transport of haz. waste 25163 — V0315 W____
- [ ] Waste transported without manifest 66262.20 — V0316 W____
- [ ] Extremely Haz Waste Permit not obtained 25205.7 — V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [ ] Training records unavailable 66265.16 — V0405 W____
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [ ] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered pemitting) — V0125 W____
- [ ] Onsite treatment of waste without authorization 25201 — V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25284 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641(j) — V3001 T____
- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T____
- [ ] Improper liquid measurements 2646 — V3021 T____
- [ ] Stick in poor condition 2646 — V3022 T____
- [ ] Improper monthly reconciliation 2646 — V3023 T____
- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____
- [ ] No written monitoring procedure 2641 — V3027 T____
- [ ] No written emergency response plan 2641 — V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written emergency response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Unused tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____
- [ ] Failed to apply for temporary closure 25298 — V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- [ ] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 19 CCR 2732 — V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

ESTABLISHMENT REPRESENTATIVE — DATE SIGNED: 1-04-01 — TITLE: Shop Foreman

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 129261, San Diego, CA 92112-9261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 1/98) NCR

Attention:
Amy Seigel

H02651

BOB CHEVY STALL
CHEVROLET
THE CHEVY CAPITOL

Compliance Response Bob Stall Chevrolet

1) In response to, oil tank seconclary containment: All oil, rags have been removed. waste oil tank containment has been cleaned.

2) In response to, faded, deteriorated waste lables: New labels have been attached to all containers. waste oil, waste antifreeze, paint drums, spray gun, solvent drum and used fuel filter drums.

3) In response to, no daily inspection log: Installed daily inspection log for tank system on waste oil tank. The Inspection log is kept up daily as per code.

4) In response to, waste container not closed properly: All drums are checked daily for the caps to be on all containers.

P.O. Box 338 • 7601 Alvarado Road • La Mesa, California 91941 • (619) 460-1311

H02651

BOB STALL CHEVROLET
THE CHEVY CAPITOL

5) In response to 4 drums with paint cans: all drums were disposed of. manifest is enclosed.

John Hoskins

P.O. Box 338 • 7601 Alvarado Road • La Mesa, California 91941 • (619) 460-1311

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

PERMIT # 1026J1
SPECIALIST WAARA
INSPECTION DATE: 7/02/02
CONTACT John Hoskins

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7601 Alvarado Rd CITY La Mesa ZIP 91941

VIOL #	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (ATTACH ANY SUPPORTING DOCUMENTATION TO THIS FORM)
1	7/8/02	ENCLOSE DOCUMENT + LETTER OF EXPLANITION
2	7/8/02	11
3	7/8/02	11
4	7/12/02	11
5	7/12/02	11
6		
7		
8		
9		
10		

I certify under penalty of law that this business/site has corrected all violations marked on the Compliance Inspection Report /Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the business/site, and am aware that there are significant penalties for submitting false information.

Responsible Party (Print Name): John Hoskins **Job Title** Shop Foreman

Signature of Responsible Party: [signature] **Date:** 7/30/02

Mail completed form and supporting documentation to the address listed below

COUNTY OF SAN DIEGO USE ONLY: **Reviewed by:** [signature] **Date:** 8/6/02

Specialist's comments:

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; 1-800-253-9933

DEH:HM-926 (Revised 05/02) NCR

DISTRIBUTION: WHITE-RETURN TO HMD; YELLOW-BUSINESS RETAINS

BOB STALL CHEVROLET
THE CHEVY CAPITOL

8-01-02

County Of San Diego
Department Of Environmental Health
Hazardous Materials Division
P.O. Box 85261
San Diego, CA. 92186-5261
Attn: Keith Waara

Mr. Waara,

In response to the compliance inspection report from July 2nd, 2002, Est. Number H 102651.

(1 & 2) All four of the thirty-gallon drums were profiled for contents, labeled, and removed by Pacific Treatment. Enclosed with this letter are the manifest of the contents removed from the dealership site.

(3) Enclosed is a copy of our annual training document. Note December is our schedule time for this training. December 2002 will be our next schedule meeting. A copy of December 2001 meeting are all I have at this time.

(4) Correction action on the battery containment box.

BOB STALL CHEVROLET
THE CHEVY CAPITOL

Pacific Treatment removed the acid at the bottom of the storage container manifest enclosed. Oil in secondary containment of waste oil tank has been removed by Asbury Environmental Services.

(5) The drum in the detail area has been labeled of its contents.

Regards,

John Hoskins
Shop Foreman

P.O. Box 338 • 7601 Alvarado Road • La Mesa, California 91941 • (619) 460-1311

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 3 DATE 7/2/02
PERMIT # 102651
TIME START 12:45 END 4:30
BUS. CODE K31
SPECIALIST WAARA
INSPECTION CONTACT/TITLE John Hoskins Shopforeman
PHONE: (619) 460-1311
Rcvd 8/28/02 [illegible]

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7601 Alvarado rd.
CITY/ZIP La Mesa 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Y	N/A		Y	N/A	
☒	☐	Unified Program Facility Permit current and available			Permit Expires on: 12/31/02
☒	☐	Hazardous Materials Business Plan available	☒	☐	Contingency Plan available
☐	☐	Employee Training is adequate	☒	☐	Employee Training records available
☒	☐	Waste disposal records available for review	☒	☐	Waste containers kept closed
☒	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers kept labeled
☒	☐	Chemical inventory current ☐ Updated today	☒	☐	Waste containers in good condition

JUL 31 2002

Routine Inspection:
- Violations/Notice to comply -

1,2 Observed (4) 30 gallon drums unlabeled onsite today, (2) appear to be a mixture of diesel and water, (1) appears to be waste gasoline, and ~~one~~ (1) contents is some type of petroleum waste. These drums have been onsite for unknown period of time.

Corrective action: Immediately label drums as hazardous waste. By 7/16/02 have a registered hazardous waste hauler classify and dispose of waste. Submit manifests/receipts to the Dept of Environmental Health.

3. Observed training documentation covering #s 2,3,4 of the listed topics in the hazardous materials business plan, however topic #1 wasn't noticed. Topic #1 cover the handling and use of hazardous materials/wastes.

Corrective action: By 8/2/02 please conduct and

☒ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative [signature]

[signature] Signature of Business Representative | 7-2-02 Date Signed | Shopforeman Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; sdcdeh.org

DEH:HM-924 (Rev. 05/02) NCR DISTRIBUTION: WHITE- RETURN TO HMD YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 102651
DATE 7/2/02
PAGE 2 OF 3

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado #La Mesa ZIP CODE: 91941

document a training session covering topic #1 listed in the hazardous materials business plan and submit to the Dept of Environmental Health.
4. Observed used batteries in a secondary containment box with about 2-5 gallons of battery acid in the bottom. Observed waste oil, approximately 1 gallon in secondary containment lined of waste oil tank.
Corrective action: By 7/16/02 containerize hazardous waste in secondary containment areas. Dispose of wastes using a registered hazardous waste hauler and submit documentation to Dept. of Environmental Health.
5. Observed a hazardous materials drum in car detail area without a label.
Corrective action: By 7/12/02 label all hazardous materials as to there contents.
Remarks:
- Dispose of aerosol cans ~~(empty cans)~~ as hazardous waste if cans still have hazardous materials in them

Signature of Business Representative

7-2-02
Date Signed

Shopkeeper
Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-9110 (3/96) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PERMIT # 102651
DATE 7/2/02
PAGE 3 OF 3

BUSINESS ADDRESS: 7601 Alvarado Rd La Mesa ZIP: 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19 & 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS WASTE REQUIREMENTS

RECORDKEEPING

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0131	UFP Permit not obtained SDCC. 68.905
	☐	V0132	No EPA Identification Number. 66262.12
	☐	V0133	Manifest copy not sent to DTSC. 66262.23
	☐	V0134	Exception Rpt. not filed with DTSC. 66262.42
	☐	V0135	Waste Manifests/Receipts not on-site for 3 years. 66262.40
	☐	V0136	No records of battery disposal. 66262.81
	☐	V0137	Manifest not properly completed. 66262.23
	☐	V0138	TSDF signed-manifest not on-site. 66262.40
	☐	V0139	Biennial report not sent to DTSC. 66262.41
	☐	V0140	LDR Documentation not available. 66268.7
	☐	V0141	Operating TSDF without authorization. 25201
	☐	V0142	Failed to notify local CUPA of onsite treatment of hazardous waste. 25201
	☐	V0143	Tiered Permitting notification has incomplete or incorrect information. 25201
	☐	V0144	SB14 compliance doc. not available. 25244.19
	☐	V0145	Excluded recyclable materials report not submitted to HMD. 25143.10

STORAGE AND HANDLING

	☐	V0201	Waste container not kept closed. 66265.173
1	☑	V0202	Waste container missing/improperly labeled. 66262.34, 25143.9
	☐	V0203	Damaged container not repackaged. 66265.171
	☐	V0204	Waste container not properly managed. 66265.173
	☐	V0205	Waste container in poor condition. 66265.171
	☐	V0206	Ignitable Waste < 50 feet of property line. 66265.176
	☐	V0207	Ignitable Waste not grounded. 66265.31
	☐	V0208	Storage area not inspected weekly. 66265.174
2	☑	V0209	Waste stored > 90, 180, or 270 days. 66262.34
	☐	V0210	Hazwaste not cleaned up off floor surface. 66262.10b
	☐	V0211	Incompatibles in the same container. 66265.177
	☐	V0212	Incompatibles not stored separately. 66265.177
	☐	V0213	Container incompatible with waste. 66265.172
	☐	V0214	Waste oil contaminated. 25250.7
	☐	V0215	Used oil filters improperly managed. 66266.130
5	☑	V0216	Hazardous materials not properly labeled. 25124

DISPOSAL AND TRANSPORTATION

	☐	V0301	Unauth. disposal of waste to:_____. 25189.5
	☐	V0302	Unlawful transportation of hazardous waste. 25163
	☐	V0303	Waste transported without a manifest. 66262.20
	☐	V0304	Waste determination not made. 6262.11

TRAINING, CONTINGENCY PLAN & ER PROCEDURES

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0401	Training records unavailable. 66265.16
3	☑	V0402	Training program not adequate. 66265.16
	☐	V0403	Facility not designed to minimize release. 66265.31
	☐	V0404	Spill control equip not available. 66265.32
	☐	V0405	Aisle space is obstructed. 66265.35
	☐	V0406	Contingency plan not prepared and/or on file. 66265.51, 66265.53

HAZARDOUS WASTE TANK SYSTEMS

	☐	V1601	Hazwaste tanks w/o P.E. assessment. 66265.191a, 66265.192a
	☐	V1602	P.E. Assessment report not complete. 66265.191g, 66265.192k
	☐	V1603	Hazwste tank system: no secondary containment. 66265.193a
4	☑	V1604	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
	☐	V1605	No daily tank inspection/inspect. log 66265.195 (b&c)
	☐	V1606	Improper or absent spill/overfill protection. 66265.194b
	☐	V1607	Improper corrosion protection. 66265.191, 66265.192
	☐	V1608	Integrity assessment not done for 2ndary containment system. 66265.191
	☐	V1609	Improper use of hazardous waste tank system. 66265.196
	☐	V1610	No PE assessment report for repairs/changes. 66265.196g
	☐	V1611	Improper closure of haz waste tank unit. 67383.3, 66265.197

HAZARDOUS MATERIALS REQUIREMENTS

BUSINESS PLAN REQUIREMENTS

	☐	V1001	UFP permit not obtained for Haz. Materials. 68.905
	☐	V1002	Hazardous Materials Business Plan (HMBP) not established/implemented. 25503.5
	☐	V1003	HMBP not amended to reflect changes25505 .
	☐	V1004	HMBP not submitted to HMD. 25505
	☐	V1005	Emergency Contacts not provided/current. 25509
	☐	V1006	Inventory is incomplete. 25504
	☐	V1007	Highly toxic gas (TLV≤10 ppm) not disclosed in chemical inventory. 68.1113
	☐	V1008	Annual carcinogen & reproductive toxin list not submitted to HMD 68.1113
	☐	V1009	Site map is not sufficient. 25509
	☐	V1010	Failure to report a release/threatened release 25507
	☐	V2504	Owner or operator (O/O) Stationary Source (SS) with >TPQ of a regulated substance (RS) did not comply with Chapter 4.5 (CalARP process). 2745.1
	☐	V2553	O/O of a new or modified SS with >TPQ of RS did Not submit RMP. 2735.4, 25535 (d)

SIGNATURE OF BUSINESS REPRESENTATIVE

7-2-02
DATE SIGNED

Shift Foreman
TITLE OF BUSINESS REPRESENTATIVE

COUNTY OF SAN DIEGO

AST CERTIFICATION & ENGINEERING ASSESSMENT EXEMPTION NOTIFICATION

PERMIT NO. 10265
DATE 11-11-04
TANK CAPACITY
CONTENTS Used oil
SECONDARY CONTAINMENT TYPE cinder block
YEAR INSTALLED 1992
U/L APPROVED (Y/N) N
TANK ID (if applicable) N/A
SPECIALIST Fitzmaurice
DATE OF REQUEST 6-24-04

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7001 Alvarado Road
CITY/ZIP La Mesa CA 91941

I certify that the aboveground used oil/waste antifreeze tank meets the requirements of the California Code of Regulation (CCR) for exemption from the Professional Engineering Assessment [reference Title 22 CCR section 66265.192(j)].

Owner/Operator Signature [signature] Print Name JOHN STALL Date

The Local Fire Marshal installation, usage, and design approval are attached, OR The Local Fire Marshal has reviewed this aboveground tank for conformance with applicable regulations.

Fire Marshal Approval Signature: [signature] Print Name
Date 6/24/04

The Hazardous Materials Division (HMD) conditionally approves the installation of the used oil/waste antifreeze aboveground storage tank as long *as you comply with the following terms and conditions*:

TERMS AND CONDITIONS

1. The aboveground tank, installed after July 1, 1991, must contain **used oil or waste antifreeze** only **(a non-RCRA waste)** as defined in HSC section 25250.1 and has no connected piping.
2. The local Fire Marshal approved and/or permitted the installation, usage, and design per municipal codes and the tank operator maintains documentation supporting this requirement.
3. The primary tank is surrounded with greater than 100% secondary containment.
4. If the tank system is exposed to precipitation, the secondary containment must, in addition to the requirement of item 3 above, be able to handle a 25 year, 24 hour rainfall event, with no intrusion or flooding problems. The HMD strongly advises that the tank system be completely covered to prevent such problems, following all local building and zoning requirements.
5. The facility must have a written leak detection program and **daily** inspection logs onsite as required in 22 CCR sections 66265.194-195 for review by HMD inspectors. Ensure that appropriate controls and practices are in-place at all times to prevent spills, leaks, or overflows from occurring. The secondary containment should be kept empty and dry, except when there is a leak or spill, at which time the secondary containment must be thoroughly cleaned out within 24 hours. The cause of a leak or spill would need to be determined and corrective actions taken (refer. 22 CCR section 66265.196).
6. The tank must be installed and maintained on a non-permeable surface, i.e. concrete (in good repair) or sealed asphalt (in good condition).
7. The operator needs to revise their Business Plan site map, if applicable.
8. The facility should maintain a photocopy of this notification onsite to show to an inspector during facility inspections.

Provided you do not change the configuration of the tank, this exemption is good for 3 years from the date of request for exemption above. In the future, if you make any changes or modifications to the tank system, submit a description of the proposed changes in writing to the HMD 30 days before making the changes to ensure compliance with applicable regulations. Attached is a fact sheet developed by the HMD for your information regarding the regulation of hazardous waste tank systems.

This approval does not exempt your facility from compliance with additional requirements that may be enforced by other local, State, or Federal agencies with regards to storage of hazardous materials in a tank system.

HMD Supervisor's Signature [signature] Date Signed 11-15-04

Department of Environmental Health Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

PERMIT # 102651 (K31) File 4778

SPECIALIST Fitzmaurice

INSPECTION DATE: 5/28/04

CONTACT John Hoskins

BUSINESS NAME Bob Stall Chevrolet

ADDRESS 7601 Alvarado Road CITY La Mesa ZIP 91941 K31

VIOL #	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (ATTACH ANY SUPPORTING DOCUMENTATION TO THIS FORM)
1	6/1/04	HAZARDOUS WASTE TANK SYSTEM INSPECTION LOG STARTED AND WILL BE KEPT UP DAILY
2	6/1/04	CLEAN UP STANDING OIL IN SECONDARY CONTAINMENT
3	6/1/04	HAZARDOUS WASTE LABELS INSTALL ON ALL CONTAINERS.
4	6/24/04	AST CERTIFICATION + ENGINEERING ASSESSMENT COPY ENCLOSED.
5	6/28/04	GROUND STRAP INSTALLED ON DIESEL + FUEL FILTER CONTAINERS —
6		
7		
8		
9		
10		

I certify under penalty of law that this business/site has corrected all violations marked on the Compliance Inspection Report /Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the business/site, and am aware that there are significant penalties for submitting false information.

Responsible Party (Print Name): John Hoskins **Job Title** Shop Foreman

Signature of Responsible Party: [signature] **Date:** 06 / 28 / 04

≺ Mail completed form and supporting documentation to the address listed below ≻

COUNTY OF SAN DIEGO USE ONLY: Reviewed by: [signature] Date: 11-15-04

Specialist's comments: Kiva updated 11-15-04. MF

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; 1-800-253-9933

DEH:HM-926 (Revised 05/02) NCR

DISTRIBUTION: WHITE-RETURN TO HMD; YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 4 DATE 5/20/04
PERMIT # 102651
TIME START 10:50 END 3:10
BUS. CODE K 3
SPECIALIST Fitzmaurice
INSPECTION CONTACT/TITLE John Hoskins / Mgr.
PHONE: (619) 460-1311

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7601 Alvarado Rd.
CITY / ZIP La Mesa, 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available		☐	Permit Expires on: 12/31/04
☑	☐	Employee Training is adequate	☑	☐	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current & Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current & Updated today	☑	☐	Waste containers in good condition

☐ All violations noted on this compliance inspection report were corrected during this inspection.

Routine Inspection

Inspection conducted with assistance from John Hoskins. JUN 10 2004

Violations & Corrective Actions:

1. Waste (used) oil is stored in an Above Ground Storage Tank (AST) set in a cinder-block secondary container. The AST does not have a Professional Engineer Certification, or an exemption from the Certification requirements.
Corrective Action: Within 30 days submit to address below either:
a) Professional Engineer Certification for the AST
or b) valid/current Exemption Form

2. AST is not inspected for leaks and overfills on a daily basis.
Corrective Action: Immediately inspect AST daily for leaks/spills and general tank condition, and log results of the inspections.

☑ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored

Initials of Business Representative

Signature of Business Representative

5/28/04
Date Signed

Shopkorman
Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; sdcdeh.org

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 102651

DATE: 5-28-04

PAGE: 2 OF 4

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Road ZIP CODE: 91941

3. Secondary containment of AST is not maintained dry & clean.
Corrective Action: Remove standing oil and debris from secondary containment within 10 days, and maintain clean and dry.

4. Containers storing hazardous waste (gasoline & diesel; fuel filters; paint & paint thinner) observed to be not adequately/properly labeled.
Corrective Action: Provide a hazardous waste label for each container storing hazardous waste. Include on labels (a) the business name & address
(b) common name of the waste
(c) physical state & hazardous properties of the waste
d) accumulation start date.
Note: Waste paint & waste gasoline containers missing accumulation start dates.
Waste fuel filter container NOT labeled as Hazardous Waste.

Signature of Business Representative | 5/28/04 Date Signed | Shop Foreman Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-9110 (Rev. 2/99) NCR

DISTRIBUTION: WHITE-RETURN TO HMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

EST. NUMBER # 102651

DATE 5 / 28 / 04

PAGE 3 OF 4

SUPPLEMENTAL INSPECTION REPORT

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Rd. ZIP CODE: 91941

Remarks:

- The 30 gallon capacity metal drums storing waste gasoline & diesel, and used fuel filters are not adequately grounded. Contact local fire department for grounding requirements.

- If a reinspection is conducted to determine the status of the above listed violations, a reinspection fee will be assessed to this business.

- Attach a copy of a Corrective Action Form TO any paperwork submitted to this office.

Signature of Business Representative

5/28/04
Date Signed

Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-9110 (3/96) NCR

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PERMIT # 102651
DATE 5/28/04
PAGE 4 OF 4

BUSINESS ADDRESS: 7601 Alvarado Road ZIP: 91941

VIOLATION REPORT. The items checked below refer to specific section numbers of Titles 19 & 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS WASTE REQUIREMENTS

RECORDKEEPING

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0131	UPF Permit not obtained SDCC. 68 905
	☐	V0132	No EPA Identification Number. 66262.12
	☐	V0133	Manifest copy not sent to DTSC. 66262.23
	☐	V0134	Exception Rpt. not filed with DTSC. 66262.42
	☐	V0135	Waste Manifests/Receipts not on-site for 3 years. 66262.40
	☐	V0136	No records of battery disposal. 66262.81
	☐	V0137	Manifest not properly completed. 66262.23
	☐	V0138	TSDF signed-manifest not on-site. 66262.40
	☐	V0139	Biennial report not sent to DTSC. 66262 41
	☐	V0140	LDR Documentation not available. 66268.7
	☐	V0141	Operating TSDF without authorization. 25201
	☐	V0142	Failed to notify local CUPA of onsite treatment of hazardous waste. 25201
	☐	V0143	Tiered Permitting notification has incomplete or incorrect information. 25201
	☐	V0144	SB14 compliance doc. not available. 25244.19
	☐	V0145	Excluded recyclable materials report not submitted to HMD. 25143.10

STORAGE AND HANDLING

	☐	V0201	Waste container not kept closed. 66265.173
4	☒	V0202	Waste container missing/improperly labeled. 66262.34, 25143.9
	☐	V0203	Damaged container not repackaged. 66265.171
	☐	V0204	Waste container not properly managed. 66265.173
	☐	V0205	Waste container in poor condition. 66265.171
	☐	V0206	Ignitable Waste < 50 feet of property line. 66265.176
	☐	V0207	Facility no maintained/operated to minimize possibility of fire, explosion or release. 66265.31
	☐	V0208	Storage area not inspected weekly. 66265.174
	☐	V0209	Waste stored > 90, 180, or 270 days. 66262.34
	☐	V0210	Hazwaste not cleaned up off floor surface. 66262.10b
	☐	V0211	Incompatibles in the same container. 66265.177
	☐	V0212	Incompatibles not stored separately. 66265.177
	☐	V0213	Container incompatible with waste. 66265.172
	☐	V0214	Waste oil contaminated. 25250 7
	☐	V0215	Used oil filters improperly managed. 66266.130
	☐	V0216	Hazardous materials not properly labeled. 25124

DISPOSAL AND TRANSPORTATION

	☐	V0301	Unauth. disposal of waste to:_____. 25189.5
	☐	V0302	Unlawful transportation of hazardous waste. 25163
	☐	V0303	Waste transported without a manifest. 66262.20
	☐	V0304	Waste determination not made. 66262.11

TRAINING, CONTINGENCY PLAN & ER PROCEDURES

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0401	Training records unavailable. 66265.16
	☐	V0402	Training program not adequate. 66265.16
	☐	V0403	Facility not designed to minimize release. 66265.31
	☐	V0404	Spill control equip not available. 66265.32
	☐	V0405	Aisle space is obstructed. 66265.35
	☐	V0406	Contingency plan not prepared and/or on file. 66265.51, 66265.53

HAZARDOUS WASTE TANK SYSTEMS

1	☒	V1601	Hazwaste tanks w/o P.E assessment. 66265.191a, 66265.192a
	☐	V1602	P.E. Assessment report not complete. 66265.191g, 66265.192k
	☐	V1603	Hazwste tank system: no secondary containment 66265.193a
3	☒	V1604	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
2	☒	V1605	No daily tank inspection/inspect. log 66265.195 (b&c)
	☐	V1606	Improper or absent spill/overfill protection. 66265.194b
	☐	V1607	Improper corrosion protection. 66265.191, 66265.192
	☐	V1608	Integrity assessment not done for tanks without secondary containment system. 66265.191
	☐	V1609	Improper use of hazwaste tank system. 66265.196
	☐	V1610	No PE assessment report-repairs/changes. 66265.196g
	☐	V1611	Improper closure of haz waste tank unit. 67383.3, 66265.197

HAZARDOUS MATERIALS REQUIREMENTS

BUSINESS PLAN REQUIREMENTS

	☐	V1001	UPF permit not obtained for Haz. Materials. 68.905
	☐	V1002	Hazardous Materials Business Plan (HMBP) not established/implemented. 25503.5
	☐	V1003	HMBP not amended to reflect changes25505
	☐	V1004	HMBP not submitted to HMD. 25505
	☐	V1005	Emergency Contacts not provided/current. 25509
	☐	V1006	Inventory is incomplete. 25504
	☐	V1007	Highly toxic gas (TLV≤10 ppm) not disclosed in chemical inventory. 68.1113
	☐	V1008	Annual carcinogen & reproductive toxin list not submitted to HMD 68.1113
	☐	V1009	Site map is not sufficient. 25509
	☐	V1010	Failure to report a release/threatened release. 25507
	☐	V1011	Personnel Training records not available. 19 CCR 2732
	☐	V1012	SPCC Plan required but not prepared. 25270.5 (c)
	☐	V2504	Owner or operator (O/O) Stationary Source (SS) with >TPQ of a regulated substance (RS) did not comply with Chapter 4.5 (CalARP process). 2745.1
	☐	V2553	O/O of a new or modified SS with >TPQ of RS did Not submit RMP. 2735.4, 25535 (d)

SIGNATURE OF BUSINESS REPRESENTATIVE

5/28/04
DATE SIGNED

TITLE OF BUSINESS REPRESENTATIVE

DEH.HM-923 (Revised 09/02) NCR

DISTRIBUTION: WHITE-RETURN TO HMD; YELLOW-BUSINESS RETAINS

ENTERED MAR 0 2 2006 File

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 3 DATE 10/28/05
PERMIT # 102651
TIME START 1:25 END 4:00
BUS. CODE K31
SPECIALIST Fitzmaurice
INSPECTION CONTACT/TITLE
John Hoskins /shop Foreman
PHONE: (619) 460-1311

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7601 Alvarado Rd
CITY/ZIP La Mesa 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available			Permit Expires on: 12/31/05
☑	☐	Hazardous Materials Business Plan available	☑	☐	Contingency Plan available
☑	☐	Employee Training is adequate	☑	☐	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☐	☐	Waste containers in good condition

☐ All violations noted on this compliance inspection report were corrected during this inspection.

Routine Inspection. RECEIVED DEC 13 2005

Inspection conducted with assistance from John Hoskins (shop foreman).

Violations & Corrective Actions:

1. Business is a large quantity generator of hazardous waste (≥ 1,000 kg/month). Business does not conduct daily inspections of the above-ground storage tank (AST) containing up to 500 gallons of used oil. The AST is secondarily contained and was issued an exemption from the AST Certification & Engineering Assessment on 11-15-04. This exemption is good for 3 years.

Corrective Action: Immediately implement your written AST monitoring program to include the daily inspection of the AST used to store used oil. Log results of inspections to include condition of primary and secondary tank walls, over-fill prevention system, and labeling of the AST.

☑ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored. | Initials of Business Representative

Signature of Business Representative | 10/28/05 Date Signed | Shop Foreman Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2137 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 102651

DATE: 10-28-05

PAGE: 2 OF 3

Office Use Only

BUSINESS ADDRESS: 7601 Alvarado Rd La Mesa ZIP CODE: 91941

2. Secondary containment of the used oil AST is not kept clean and dry.
Corrective Action: Maintain secondary containment of the AST free of used oil and debris.

3. Containers storing hazardous materials are not clearly labeled as to contents.
Corrective Action: Within 10 days clearly label ASTs containing new motor oil as to contents.

4. Hazardous waste labels on containers storing hazardous wastes do not list accumulation start dates. Observed two containers storing waste brake fluid, and one container storing used fuel filters that did not list accumulation start dates.
Corrective Action: Include business name, address & telephone number, physical state and hazardous properties, name of the hazardous waste, and accumulation start date on Hazardous Waste labels.

5. Business states that used filters from paint booths are non-hazardous and can therefor be disposed of to landfill. Business has not provided supporting documentation showing that the filters are non-hazardous to this office.
Corrective Action: Within 15 days provide to this office supporting documentation for the determination that used filters are not hazardous waste. Discontinue disposing of used filters to landfill until documentation has been submitted.

Signature of Business Representative | 10/28/05 Date Signed | Shop Foreman Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-9110 (Rev. 2/99) NCR

DISTRIBUTION: WHITE-RETURN TO HMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PERMIT # 102651
DATE 10/28/05
PAGE 3 OF 3

BUSINESS ADDRESS: 7601 Alvarado Rd La Mesa ZIP: 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19 & 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).
All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS WASTE REQUIREMENTS

RECORDKEEPING

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0131	UPF Permit not obtained SDCC. 68.905
	☐	V0132	No EPA Identification Number. 66262.12
	☐	V0133	Manifest copy not sent to DTSC. 66262.23
	☐	V0134	Exception Rpt. not filed with DTSC. 66262.42
	☐	V0135	Waste Manifests/Receipts not on-site for 3 years. 66262.40
	☐	V0136	No records of battery disposal. 66262.81
	☐	V0137	Manifest not properly completed. 66262.23
	☐	V0138	TSDF signed-manifest not on-site. 66262.40
	☐	V0139	Biennial report not sent to DTSC. 66262.41
	☐	V0140	LDR Documentation not available. 66268.7
	☐	V0141	Operating TSDF without authorization. 25201
	☐	V0142	Failed to notify local CUPA of onsite treatment of hazardous waste. 25201
	☐	V0143	Tiered Permitting notification has incomplete or incorrect information. 25201
	☐	V0144	SB14 compliance doc. not available. 25244.19
	☐	V0145	Excluded recyclable materials report not submitted to HMD. 25143.10

STORAGE AND HANDLING

	☐	V0201	Waste container not kept closed. 66265.173
4.	☑	V0202	Waste container missing/improperly labeled. 66262.34, 25143.9
	☐	V0203	Damaged container not repackaged. 66265.171
	☐	V0204	Waste container not properly managed. 66265.173
	☐	V0205	Waste container in poor condition. 66265.171
	☐	V0206	Ignitable Waste < 50 feet of property line. 66265.176
	☐	V0207	Facility not maintained/operated to minimize possibility of fire, explosion or release. 66265.31
	☐	V0208	Storage area not inspected weekly. 66265.174
	☐	V0209	Waste stored > 90, 180, or 270 days. 66262.34
	☐	V0210	Hazwaste not cleaned up off floor surface. 66262.10b
	☐	V0211	Incompatibles in the same container. 66265.177
	☐	V0212	Incompatibles not stored separately. 66265.177
	☐	V0213	Container incompatible with waste. 66265.172
	☐	V0214	Waste oil contaminated. 25250.7
	☐	V0215	Used oil filters improperly managed. 66266.130
3	☑	V0216	Hazardous materials not properly labeled. 25124

DISPOSAL AND TRANSPORTATION

	☐	V0301	Unauth. disposal of waste to:_____. 25189.5
	☐	V0302	Unlawful transportation of hazardous waste. 25163
	☐	V0303	Waste transported without a manifest. 66262.20
5	☐	V0304	Waste determination not made. 66262.11

TRAINING, CONTINGENCY PLAN & ER PROCEDURES

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0401	Training records unavailable. 66265.16
	☐	V0402	Training program not adequate. 66265.16
	☐	V0403	Facility not designed to minimize release. 66265.31
	☐	V0404	Spill control equip not available. 66265.32
	☐	V0405	Aisle space is obstructed. 66265.35
	☐	V0406	Contingency plan not prepared and/or on file. 66265.51, 66265.53

HAZARDOUS WASTE TANK SYSTEMS

	☐	V1601	Hazwaste tanks w/o P.E. assessment. 66265.191a, 66265.192a
	☐	V1602	P.E. Assessment report not complete. 66265.191g, 66265.192k
	☐	V1603	Hazwste tank system: no secondary containment. 66265.193a
2.	☑	V1604	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
1.	☑	V1605	No daily tank inspection/inspect. log 66265.195 (b&c)
	☐	V1606	Improper or absent spill/overfill protection. 66265.194b
	☐	V1607	Improper corrosion protection. 66265.191, 66265.192
	☐	V1608	Integrity assessment not done for tanks without secondary containment system. 66265.191
	☐	V1609	Improper use of hazwaste tank system. 66265.196
	☐	V1610	No PE assessment report-repairs/changes. 66265.196g
	☐	V1611	Improper closure of haz waste tank unit. 67383.3, 66265.197

HAZARDOUS MATERIALS REQUIREMENTS

BUSINESS PLAN REQUIREMENTS

	☐	V1001	UPF permit not obtained for Haz. Materials. 68.905
	☐	V1002	Hazardous Materials Business Plan (HMBP) not established/implemented. 25503.5
	☐	V1003	HMBP not amended to reflect changes. 25505
	☐	V1004	HMBP not submitted to HMD. 25505
	☐	V1005	Emergency contacts not provided/current. 25509
	☐	V1006	Inventory is incomplete. 25504
	☐	V1007	Highly toxic gas (TLV≤10 ppm) not disclosed in chemical inventory. 68.1113
	☐	V1008	Annual carcinogen & reproductive toxin list not submitted to HMD. 68.1113
	☐	V1009	Site map is not sufficient. 25509
	☐	V1010	Failure to report a release/threatened release. 25507
	☐	V1011	Personnel training records not available. 19 CCR 2732
	☐	V1012	SPCC plan required but not prepared. 25270.5 (c)
	☐	V2504	Owner or operator (O/O) Stationary Source (SS) with >TPQ of a regulated substance (RS) did not comply with Chapter 4.5 (CalARP process). 2745.1
	☐	V2553	O/O of a new or modified SS with >TPQ of RS did Not submit RMP. 2735.4, 25535 (d)

SIGNATURE OF BUSINESS REPRESENTATIVE

10/28/05
DATE SIGNED

Shop Foreman
TITLE OF BUSINESS REPRESENTATIVE

DISTRIBUTION: WHITE-RETURN TO HMD; YELLOW-BUSINESS RETAINS

102651 ← File

BOB STALL CHEVROLET
THE CHEVY CAPITOL

RECEIVED
2005 NOV 15 AM 8 47

November 10, 2005

Mark Fitzmaurice, M.P.H.
County of San Diego
Haz Mat Specialist II
Hazardous Materials Division
P.O. Box 129261
San Diego, CA 92112-9261

Dear Mr. Fitzmaurice,

Please see the following:

1. V1605 Correction:	Daily Tank Inspection/Inspect Log will be done daily. Inspection Log posted in Shop Foreman's office.
2. V1604 Correction:	Secondary containment will be inspected and kept clean daily.
3. V0216 Correction:	Hazardous containers will be properly labeled as to contents or empty.
4. V0202 Correction:	Hazardous waste labels will be filled out in full name, address, telephone, physical state of hazardous properties, name of hazardous waste and accumulation start date.
5. V0304 Correction:	Waste determination not made. Enclosed are copies. of the results of the analysis of the paint booth filters.

Sincerely,

John Hoskins
Shop Foreman
Bob Stall Chevrolet

P. O. Box 338 • 7601 Alvarado Road • La Mesa, California 91941 • (619) 460-1311

Sequoia Analytical

819 Striker Ave Ste 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bob Stall Chevrolet
7601 Alvarado Rd.
La Mesa, 91941
UPFP#: 102651

102651

Bob Stall Chevrolet	Project: Paint Booth Filter Test	S312603
7601 Alvarado Road	Project Number: N/A	**Reported:**
La Mesa CA, 91941	Project Manager: Paul Jacovelli	01/12/04 14:09

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Paint Booth Filter (S312603-01) Other (W)	**Sampled: 12/17/03 12:00 Received: 12/22/03 12:00**								
Mercury (TTLC)	ND	0.020	mg/kg	1	4010074	01/08/04	01/08/04	EPA 7471A	
Antimony	ND	10	"	4	4010025	01/06/04	01/06/04	EPA 6010A	
Arsenic (500)	**11**	10	"	"	"	"	"	"	
Barium (10,000)	**56**	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium (2,500)	**3.9**	1.0	"	"	"	"	"	"	
Cobalt	ND	4.0	"	"	"	"	"	"	
Copper (2,500)	**12**	1.0	"	"	"	"	"	"	
Lead	ND	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	ND	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	ND	20	"	"	"	"	"	"	
Vanadium	ND	4.0	"	"	"	"	"	"	
Zinc (5,000)	**150**	1.0	"	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

1026051

Sequoia Analytical

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(916) 921-9600
FAX (916) 921-0100
www.sequoialabs.com

Bob Stall Chevrolet	Project: Paint Booth Filter Test	S312603
7601 Alvarado Road	Project Number: N/A	**Reported:**
La Mesa CA, 91941	Project Manager: Paul Jacovelli	01/12/04 14:09

STLC CAM Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Sacramento

Analyte		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Paint Booth Filter (S312603-01) Other (W)		**Sampled: 12/17/03 12:00**		**Received: 12/22/03 12:00**						
Mercury	STLC	ND	0.0010	mg/l	1	4010093	01/09/04	01/09/04	EPA 7470A	
Antimony		ND	0.40	"	4	4010039	01/08/04	01/09/04	EPA 6010A	
Arsenic	5	**0.80**	0.80	"	"	"	"	"	"	
Barium		ND	0.40	"	"	"	"	"	"	
Beryllium		ND	0.040	"	"	"	"	"	"	
Cadmium		ND	0.040	"	"	"	"	"	"	
Chromium		ND	0.040	"	"	"	"	"	"	
Cobalt		ND	0.16	"	"	"	"	"	"	
Copper	25	**0.064**	0.040	"	"	"	"	"	"	
Lead		ND	0.40	"	"	"	"	"	"	
Molybdenum		ND	0.16	"	"	"	"	"	"	
Nickel		ND	0.16	"	"	"	"	"	"	
Selenium		ND	0.40	"	"	"	"	"	"	
Silver		ND	0.040	"	"	"	"	"	"	
Thallium		ND	0.40	"	"	"	"	"	"	
Vanadium		ND	0.16	"	"	"	"	"	"	
Zinc	250	**5.0**	0.040	"	"	"	"	"	"	

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Bob Stall Chevrolet	Project: Paint Booth Filter Test	S312603
7601 Alvarado Road	Project Number: N/A	**Reported:**
La Mesa CA, 91941	Project Manager: Paul Jacovelli	01/12/04 14:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Paint Booth Filter	S312603-01	Other (W)	12/17/03 12:00	12/22/03 12:00

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102651

Bob Stall Chevrolet	Project: Paint Booth Filter Test	S312603
7601 Alvarado Road	Project Number: N/A	**Reported:**
La Mesa CA, 91941	Project Manager: Paul Jacovelli	01/12/04 14:09

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4010025 - EPA 3050B										
Blank (4010025-BLK1)				Prepared & Analyzed: 01/06/04						
Antimony	ND	2.5	mg/kg							
Arsenic	ND	2.5	"							
Barium	ND	2.5	"							
Beryllium	ND	0.25	"							
Cadmium	ND	0.25	"							
Chromium	ND	0.25	"							
Cobalt	ND	1.0	"							
Copper	ND	0.25	"							
Lead	ND	2.5	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.0	"							
Selenium	ND	2.5	"							
Silver	ND	1.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	1.0	"							
Zinc	ND	0.55	"							
Laboratory Control Sample (4010025-BS1)				Prepared & Analyzed: 01/06/04						
Arsenic	45.4	2.5	mg/kg	50.0		91	80-120			
Cadmium	43.7	0.25	"	50.0		87	80-120			
Chromium	46.0	0.25	"	50.0		92	80-120			
Nickel	49.2	1.0	"	50.0		98	80-120			
Zinc	44.9	0.55	"	50.0		90	80-120			
Matrix Spike (4010025-MS1)	**Source: S312538-01**			Prepared & Analyzed: 01/06/04						
Arsenic	115	10	mg/kg	50.0	88	54	80-120			QM-07
Cadmium	32.0	1.0	"	50.0	ND	64	80-120			QM-07
Chromium	69.4	1.0	"	50.0	41	57	80-120			QM-07
Nickel	85.2	4.0	"	50.0	53	64	80-120			QM-07
Zinc	81.1	2.2	"	50.0	54	54	80-120			QM-07

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Sequoia Analytical

1026051

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Sacramento, CA 95834
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www.sequoialabs.com

Bob Stall Chevrolet	Project: Paint Booth Filter Test	S312603
7601 Alvarado Road	Project Number: N/A	**Reported:**
La Mesa CA, 91941	Project Manager: Paul Jacovelli	01/12/04 14:09

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4010025 - EPA 3050B										
Matrix Spike Dup (4010025-MSD1)	**Source: S312538-01**			Prepared & Analyzed: 01/06/04						
Arsenic	114	10	mg/kg	50.0	88	52	80-120	0.9	20	QM-07
Cadmium	31.5	1.0	"	50.0	ND	63	80-120	2	20	QM-07
Chromium	67.9	1.0	"	50.0	41	54	80-120	2	20	QM-07
Nickel	83.8	4.0	"	50.0	53	62	80-120	2	20	QM-07
Zinc	78.3	2.2	"	50.0	54	49	80-120	4	20	QM-07
Batch 4010074 - EPA 7471A										
Blank (4010074-BLK1)				Prepared & Analyzed: 01/08/04						
Mercury	ND	0.020	mg/kg							
Laboratory Control Sample (4010074-BS1)				Prepared & Analyzed: 01/08/04						
Mercury	0.422	0.020	mg/kg	0.417		101	80-120			
Matrix Spike (4010074-MS1)	**Source: S312744-01**			Prepared & Analyzed: 01/08/04						
Mercury	0.344	0.020	mg/kg	0.417	ND	82	75-125			
Matrix Spike Dup (4010074-MSD1)	**Source: S312744-01**			Prepared & Analyzed: 01/08/04						
Mercury	0.353	0.020	mg/kg	0.417	ND	85	75-125	3	20	

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Bob Stall Chevrolet	Project: Paint Booth Filter Test	S312603
7601 Alvarado Road	Project Number: N/A	**Reported:**
La Mesa CA, 91941	Project Manager: Paul Jacovelli	01/12/04 14:09

STLC CAM Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4010039 - Title 22-STLC										
Blank (4010039-BLK1)				Prepared: 01/08/04 Analyzed: 01/09/04						
Antimony	ND	0.40	mg/l							
Arsenic	ND	0.80	"							
Barium	ND	0.40	"							
Beryllium	ND	0.040	"							
Cadmium	ND	0.040	"							
Chromium	ND	0.040	"							
Cobalt	ND	0.16	"							
Copper	ND	0.040	"							
Lead	ND	0.40	"							
Molybdenum	ND	0.16	"							
Nickel	ND	0.16	"							
Selenium	ND	0.40	"							
Silver	ND	0.040	"							
Thallium	ND	0.40	"							
Vanadium	ND	0.16	"							
Zinc	ND	0.040	"							
Laboratory Control Sample (4010039-BS1)				Prepared: 01/08/04 Analyzed: 01/09/04						
Arsenic	4.80	0.80	mg/l	4.00		120	80-120			
Cadmium	3.83	0.040	"	4.00		96	80-120			
Chromium	3.92	0.040	"	4.00		98	80-120			
Nickel	3.96	0.16	"	4.00		99	80-120			
Zinc	3.76	0.040	"	4.00		94	80-120			
Laboratory Control Sample Dup (4010039-BSD1)				Prepared: 01/08/04 Analyzed: 01/09/04						
Arsenic	4.80	0.80	mg/l	4.00		120	80-120	0	20	
Cadmium	3.91	0.040	"	4.00		98	80-120	2	20	
Chromium	3.98	0.040	"	4.00		100	80-120	2	20	
Nickel	4.02	0.16	"	4.00		100	80-120	2	20	
Zinc	3.77	0.040	"	4.00		94	80-120	0.3	20	

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Sequoia Analytical

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(916) 921-9600
FAX (916) 921-0100
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Bob Stall Chevrolet	Project: Paint Booth Filter Test	S312603
7601 Alvarado Road	Project Number: N/A	**Reported:**
La Mesa CA, 91941	Project Manager: Paul Jacovelli	01/12/04 14:09

STLC CAM Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4010093 - EPA 7470A										
Blank (4010093-BLK1)				Prepared & Analyzed: 01/09/04						
Mercury	ND	0.00020	mg/l							
Blank (4010093-BLK2)				Prepared & Analyzed: 01/09/04						
Mercury	ND	0.0010	mg/l							
Laboratory Control Sample (4010093-BS1)				Prepared & Analyzed: 01/09/04						
Mercury	0.00469	0.00020	mg/l	0.00500		94	80-120			
Matrix Spike (4010093-MS1)	**Source: S312672-01**			Prepared & Analyzed: 01/09/04						
Mercury	0.00511	0.00020	mg/l	0.00500	ND	102	75-125			
Matrix Spike Dup (4010093-MSD1)	**Source: S312672-01**			Prepared & Analyzed: 01/09/04						
Mercury	0.00482	0.00020	mg/l	0.00500	ND	96	75-125	6	20	

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SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

❑ 885 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 782-6308
❑ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 • FAX (916) 921-0100
❑ 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 • FAX (925) 988-9673
❑ 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 • FAX (707) 792-0342
❑ 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 • FAX (650) 232-9612

Company Name: Bob Stall Chevrolet	Project: Paint Booth Filter Test
Mailing Address: 7601 Alvarado Road	Billing Address (if different):
City: La Mesa State: CA Zip Code: 91941	
Telephone: 619-460-1311 Fax #: 619-460-7056	P.O. #: Payment Received: ❑ Yes ❑ No
Report To: Paul Jacovelli E-Mail:	QC Data: ❑ Level D (Standard) ❑ Level C ❑ Level B ❑ Level A

Turnaround Time: ☒ 10 - 15 Working Days ❑ 3 Working Days ❑ 2 - 8 Hours ❑ 7 Working Days ❑ 2 Working Days ❑ 5 Working Days ❑ 1 Working Day

Mandatory: ❑ Drinking Water ❑ Waste Water ❑ Other

Sampler:

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested	Title 22 Metals (TTLC)	STLC Pending	TTLC Results	Comments
1. Paint Booth Filter	12/17/03 1200	S	1		SB12603 01		X	X		
2.										
3.										
4.										
5.										
6.										
7.										
8.										
9.										
10.										

SEQUOIA ANALYTICAL

Relinquished By: for Paul Jacovelli	Date: 12/17/03 via USPS	Time:	Received By:	Date: 12/22/03 Time: 1200
Relinquished By:	Date:	Time:	Received By:	Date: Time:
Relinquished By:	Date:	Time:	Received By:	Date: Time:

Were Samples Received in Good Condition? ❑ Yes ❑ No Samples on Ice? ❑ Yes ❑ No Method of Shipment _____ Page ____ of ____

Pink - Client
Yellow - Sequoia
White - Sequoia

120657

102651

File

7005 1820 0000 6622 8216

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage $ M Fitzmaurice

Bob Stall Chevrolet
Attn: John Hoskins
P.O. Box 338
7601 Alvarado Road
La Mesa, CA. 91941

Sent To
Street, Apt. No.; or PO Box No.
City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: M Fitzmaurice

Bob Stall Chevrolet
Attn: John Hoskins
P.O. Box 338
7601 Alvarado Road
La Mesa, CA. 91941

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X A. Moore ☐ Agent ☐ Addressee

B. Received by (Printed Name) A Moore C. Date of Delivery 5/7/06

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7005 1820 0000 6622 8216

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

COUNTY OF SAN DIEGO

AST CERTIFICATION & ENGINEERING ASSESSMENT EXEMPTION NOTIFICATION

EST. NO. H 102651
DATE
TANK CAPACITY
CONTENTS
SECONDARY CONTAINMENT TYPE
YEAR INSTALLED
U/L APPROVED (Y/N)
TANK ID (if applicable)
SPECIALIST
DATE OF REQUEST

BUSINESS NAME BOB STALL CHEVROLET
ADDRESS 7601 ALVARADO ROAD
CITY/ZIP LA MESA, CA 91941

I certify that the aboveground used oil/waste antifreeze tank meets the requirements of the California Code of Regulation (CCR) for exemption from the Professional Engineering Assessment [reference Title 22 CCR section 66265.192(j)].

Owner/Operator Signature _____ Print Name RICHARD LARSON (G.M.) Date 11/14/05

The Local Fire Marshal installation, usage, and design approval are attached, OR The Local Fire Marshal has reviewed this aboveground tank for conformance with applicable regulations.

Fire Marshal Approval Signature: _____ Print Name ROBERT SCOTT Date 11/14/05

The Hazardous Materials Division (HMD) conditionally approves the installation of the used oil/waste antifreeze aboveground storage tank as long *as you comply with the following terms and conditions*:

TERMS AND CONDITIONS

1. The aboveground tank, installed after July 1, 1991, must contain **used oil or waste antifreeze** only **(a non-RCRA waste)** as defined in HSC section 25250.1 and has no connected piping.
2. The local Fire Marshal approved and/or permitted the installation, usage, and design per municipal codes and the tank operator maintains documentation supporting this requirement.
3. The primary tank is surrounded with greater than 100% secondary containment.
4. If the tank system is exposed to precipitation, the secondary containment must, in addition to the requirement of item 3 above, be able to handle a 25 year, 24 hour rainfall event, with no intrusion or flooding problems. The HMD strongly advises that the tank system be completely covered to prevent such problems, following all local building and zoning requirements.
5. The facility must have a written leak detection program and **daily** inspection logs onsite as required in 22 CCR sections 66265.194-195 for review by HMD inspectors. Ensure that appropriate controls and practices are in-place at all times to prevent spills, leaks, or overflows from occurring. The secondary containment should be kept empty and dry, except when there is a leak or spill, at which time the secondary containment must be thoroughly cleaned out within 24 hours. The cause of a leak or spill would need to be determined and corrective actions taken (refer. 22 CCR section 66265.196).
6. The tank must be installed and maintained on a non-permeable surface, i.e. concrete (in good repair) or sealed asphalt (in good condition).
7. The operator needs to revise their Business Plan site map, if applicable.
8. The facility should maintain a photocopy of this notification onsite to show to an inspector during facility inspections.

Provided you do not change the configuration of the tank, this exemption is good for 3 years from the date of request for exemption above. In the future, if you make any changes or modifications to the tank system, submit a description of the proposed changes in writing to the HMD 30 days before making the changes to ensure compliance with applicable regulations. Attached is a fact sheet developed by the HMD for your information regarding the regulation of hazardous waste tank systems.

This approval does not exempt your facility from compliance with additional requirements that may be enforced by other local, State, or Federal agencies with regards to storage of hazardous materials in a tank system.

HMD Supervisor's Signature _____ Date Signed _____

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

102651

File

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

May 16, 2006

Bob Stall Chevrolet
Attn: John Hoskins
P.O. Box 338
7601 Alvarado Road
La Mesa, CA 91941

Re: Waste Determination for used paint booth filters.

Dear Mr. Hoskins:

The Hazardous Materials Division (HMD) is in receipt of your correspondence dated January 24th, 2006 regarding your waste determination for used paint booth filter waste.

Pursuant to State law and regulation, the generator of a waste is responsible for determining if the waste is hazardous.[1] The characteristic of a waste material may vary significantly depending on the chemicals used, the concentration of hazardous components in the waste, and/or the process generating the waste. Waste that exhibits a hazardous characteristic or is listed as a hazardous waste in State regulations must be managed as hazardous waste unless exempted or excluded by State law or regulation.[2]

HMD is not authorized under State regulation to give concurrence with your determination that the used paint booth filters are non-hazardous. However, the State of California Department of Toxic Substances Control (DTSC) is authorized to provide a concurrence, although the process is subject to regulation (CCR §66260.200) and DTSC typically charges a fee to review and evaluate the waste determination data. If you wish to obtain their concurrence, contact the DTSC Information Officer for information about this process at 800-728-6942.

When samples of used paint booth filters are to be analyzed, it is prudent to collect truly representative samples of the filters, and have the samples analyzed at a State-accredited laboratory. This is particularly important for a waste which is not homogeneous. More than one sample may be needed to collect representative samples of the waste. One sample of the used paint booth filters may not be sufficient to show the waste to be non-hazardous. Before samples are collected, a sampling plan should be developed to ensure that a sufficient number of samples are collected, and

that the samples are truly representative of the used filters. Waste analytical results must be maintained on site for review by HMD staff.

You have provided HMD with analytical results, dated 1-12-04, for one sample of a used paint booth filter generated at this facility. The results show that toxic metals were present in the sample but at concentrations below levels at which the filters would be considered hazardous waste. As the generator of the waste, you can make the determination of a waste being hazardous or not based on analytical data and/or knowledge of the waste generating process. Be advised, a waste generator who incorrectly determines that a hazardous waste is non-hazardous and fails to manage and dispose of the waste as hazardous waste is violation of State hazardous waste laws and regulations and may be subject to enforcement action.

If you have any questions, please contact me at 858-495-5828.

Sincerely,

Mark Fitzmaurice

Mark Fitzmaurice, Environmental Health Specialist
Hazardous Materials Division

cc: HMD Supervisor; John Misleh
HMD File # 102651

Enclosure: HAZARDOUS WASTE in Auto Body and Paint Shops

CERTIFIED MAIL/RRR

---

[1] See Title 22 California Code of Regulations § 66262.11, Hazardous Waste Determination.
A person who generates a waste, as defined in section 66261.2, shall determine if that waste is a hazardous waste using the following method:
(a) the generator shall first determine if the waste is excluded from regulation under section 66261.4 or section 25143.2 of the Health and Safety Code;
(b) the generator shall then determine if the waste is listed as a hazardous waste in articles 4 or 4.1 of chapter 11 or in Appendix X of chapter 11 of this division. If the waste is listed in Appendix X and is not listed in articles 4 or 4.1 of chapter 11, the generator may determine that the waste from his particular facility or operation is not a hazardous waste by either:
(1) testing the waste according to the methods set forth in article 3 of chapter 11 of this division, or according to an equivalent method approved by the Department pursuant to section 66260.21; or
(2) applying knowledge of the hazard characteristic of the waste in light of the materials or the processes used and the characteristics set forth in article 3 of chapter 11 of this division.

[2] See Title 22 California Code of Regulations beginning with § 66261.20 et.al. Waste that is toxic, ignitable, reactive, or corrosive is hazardous. Waste which contains a *listed* chemical substance based on its source or prior use (for example, a spent solvent used in cleaning or degreasing) is hazardous.

FILE COPY

102651

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
REQUEST FOR SERVICE WORKSHEET

RFS#	**07-0028821**
DATE REC:	**22-MAR-2007**
REC BY:	**CCOURSOL**
INSPECTOR:	**MFITZMAU**

REQUESTOR

This grayed area contains Reporting Party information that is blocked from public viewing for CONFIDENTIALITY purposes, per County Policy A-2.

EVENT LOCATION

APN: **469-021-08-00** *MUNI:* **LM** *CENSUS TRACT:* **148.01**
PERMIT: **HK07 102651** *NAME:* **BOB STALL CHEVROLET**
ADDRESS: **7601 ALVARADO RD La Mesa 91941**
INTERSECTION: **70TH ST at TB-1270-G1**
COMMON PLACE:
OTHER LOCATION: **ANTIFREEZE**
X-COORD: *Y-COORD:*

DESCRIPTION OF PROBLEM(S)

INCIDENT DATE:
PROBLEM(S): **6H03 - DISPOSAL TO UNAUTHORIZED POINT**

NATURE OF COMPLAINT:
DATE: **22-MAR-2007** *BY:* **CCOURSOL**
Allegedly the above business is illegally dumping antifreeze. This is going into the waterway of the San Diego Aqueduct and there is a big plume of antifreeze.

SITE HISTORY

Previous RFS on this permit: *Most recent:* **NONE** *Date:* *Status:* *Additional RFS:* **0**
FLAGS on this permit: *Most recent:* **NONE** *Date:* *Status:* *Additional Flags:* **0**

RESPONSE INFORMATION

ACTION TAKEN:

Action Service	*Service Description*	*Service Employee*	*Completed by*	*Date Completed*
6-INVEST	**INVESTIGATED BY**		**MFITZMAU**	**22-MAR-2007**

3-22-07: Complainant inspection conducted.
Did not observe evidence of disposal of hazardous waste (antifreeze) to the ground surface. Waste antifreeze was stored in two 55-gallon capacity metal drums, and most recent waste antifreeze disposal receipt was dated 2-23-07.
Aqueduct appears to be green due to algae.
CIR issued.

3-23-07: Fitzmaurice left telephone message, stating actions taken and desk telephone number, for complainant.

6H-RESOLVE HMD INVESTIGATION COMPLETE Y OR N **MFITZMAU 23-MAR-2007**

Resolved

6-CLOSED COMPLAINT CLOSED BY **CCOURSOL 23-MAR-2007**

Copy to File.

INVESTIGATOR SIGNATURE

ENTERED MAY 15 2007 Ck# 203101 HV21-4559

SAN DIEGO REGIONAL
HAZARDOUS MATERIALS QUESTIONNAIRE

OFFICE USE ONLY
UPFP#: 102651
BP DATE: / /

Business Name	Business Contact	Telephone #
BOB STALL CHEVROLET	RICHARD LARSON	(619) 316-9481

Project Address	City	State	Zip Code	APN#
7601 ALVARADO ROAD	LA MESA	CA	91941	

Mailing Address	City	State	Zip Code	Plan File#

Project Contact	Telephone #
RICHARD LARSON	(619) 316-9481

The following questions represent the facility's activities, NOT the specific project description.

PART I: FIRE DEPARTMENT – HAZARDOUS MATERIALS DIVISION: OCCUPANCY CLASSIFICATION: Indicate by circling the item, whether your business will use, process, or store any of the following hazardous materials. If any of the items are circled, applicant must contact the Fire Protection Agency with jurisdiction prior to plan submittal.

1. Explosive or Blasting Agents
2. Compressed Gases
3. Flammable/Combustible Liquids
4. Flammable Solids
5. Organic Peroxides
6. Oxidizers
7. Pyrophorics
8. Unstable Reactives
9. Water Reactives
10. Cryogenics
11. Highly Toxic or Toxic Materials
12. Radioactives
13. Corrosives
14. Other Health Hazards
15. None of These

PART II: SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH – HAZARDOUS MATERIALS DIVISIONS (HMD): If the answer to any of the questions is yes, applicant must contact the County of San Diego Hazardous Materials Division, 1255 Imperial Avenue, 3rd floor, San Diego, CA 92101. Call (619) 338-2222 prior to the issuance of a building permit.

PAID
APR 16 2007
DEH CASHIER
CASH ____ CHECK# ____

FEES ARE REQUIRED.

Expected date of Occupancy ____

☐ CalARP Exempt / /
☐ CalARP Required / /
☐ CalARP Complete / /
Date Initials

	YES	NO	
1.	☑	☐	Is your business listed on the reverse side of this form?
2.	☑	☐	Will your business dispose of Hazardous Substances or Medical Waste in any amount?
3.	☑	☐	Will your business store or handle Hazardous Substances in quantities equal to or greater than 55 gallons, 500 pounds, 200 cubic feet, or carcinogens/reproductive toxins in any quantity?
4.	☐	☑	Will your business use an existing or install an underground storage tank?
5.	☐	☑	Will your business store or handle Regulated Substances (CalARP)?
6.	☐	☑	Will your business use or install a Hazardous Waste Tank System (Title 22, Article 10)?

PART III: San Diego County Air Pollution Control District: If the answer to any of the questions below is yes, applicant must contact the Air Pollution Control District (APCD), 9150 Chesapeake Drive, San Diego, CA 92123, telephone (858) 650-4550 prior to the issuance of a building or demolition permit. Note: If the answer to questions 3 of 4 is yes, applicant must also submit an asbestos notification form to the APCD at least 10 working days prior to commencing demolition or renovation, except demolition or renovation of residential structures of four units or less. Contact the APCD for more information.

858-586-2650

	YES	NO	
1.	☒	☐	Will the subject facility or construction activities include operations or equipment that emit or are capable of emitting an air contaminant? (See the APCD fact sheet at http://www.sdapcd.org/info/facts/permits.pdf, and the list of typical equipment requiring an APCD permit on the reverse side of this form. Contact APCD if you have any questions.)
2.	☐	☒	(ANSWER ONLY IF QUESTION 1 IS YES) Will the subject facility be located within 1,000 feet of the outer boundary of a school (K through 12)? (Public and private schools may be found after search of the California School Directory at http://www.cde.ca.gov/re/sd/; or contact the appropriate school district.)
3.	☐	☒	Will there be renovation that involves handling of any friable asbestos material, or disturbing any material that contains non-friable asbestos?
4.	☐	☒	Will there be demolition involving the removal of a load supporting structural member?

Briefly describe business activities:	Briefly describe proposed project:
SELL AND REPAIR AUTOMOBILES	PUT UP FENCE AND FIXED CANOPY SHADE AREA.

I declare under penalty of perjury that to the best of my knowledge and belief the responses made herein are true and correct.

Name of owner or Authorized Agent ____ Signature of Owner or Authorized Agent ____ Date / /

FOR OFFICIAL USE ONLY:
FIRE DEPARTMENT OCCUPANCY CLASSIFICATION: ____

BY: ____ DATE: / /

EXEMPT OR NO FURTHER INFORMATION REQUIRED		RELEASED FOR BUILDING PERMIT BUT NOT FOR OCCUPANCY		RELEASED FOR OCCUPANCY	
COUNTY-HMD	APCD	COUNTY-HMD	APCD	COUNTY-HMD	APCD
COUNTY OF SAN DIEGO REVIEWED J. Swanson SIGNATURE 4/16/07 DATE HMMD	AIR POLLUTION CONTROL DISTRICT COUNTY OF SAN DIEGO REVIEWED ____ INITIALS 4/16/07 DATE				

ENTERED MAY 11 2007

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 3/22/07
PERMIT # 102651
TIME START 1:30 END 3:15
BUS. CODE H31
SPECIALIST Fitzmaurice
INSPECTION CONTACT/TITLE John Haskins / Mgr.
PHONE: (619) 460-1311

BUSINESS NAME Bob Stall Chevrolet
ADDRESS 7001 Alvarado Rd.,
CITY/ZIP La Mesa, 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available			Permit Expires on: 12/31/07
☑	☐	Hazardous Materials Business Plan available	☑	☐	Contingency Plan available
☑	☐	Employee Training is adequate	☑	☐	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☐ Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

Complaint / Routine Inspection

- Complaint regarding the possible illegal disposal of hazardous waste (anti-freeze) to an unauthorized location (storm-water conveyance system.

- At the time of this inspection, no evidence of illegal disposal of hazardous waste to storm-water system was observed. Rain occurred the previous day and a concrete lined stormwater channel had a slight green color, possibly mistaken for antifreeze, was observed at west end of property. Pictures were taken of channel (permission granted by Greg White (Asst. Mgr).

- Containers storing hazardous waste (used oil, antifreeze, oil filters, brake fluid, paint) observed to be properly labeled and managed.

- Waste gasoline is disposed of immediately after generation, so none is stored on site for extended time periods.

- Waste disposal receipts/manifests reviewed.

RECEIVED APR 17 2007

☑ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

Signature of Business Representative

3/22/07
Date Signed

Shop Foreman
Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2377 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH-CUPA
HAZARDOUS MATERIALS DIVISION
P.O. Box 129261, San Diego, CA 92112-9261
1-800-253-9933 (619) 338-2222 Fax (619) 338-2377

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AUG 05 2008
ENVIRONMENTAL HEALTH

Entered SEP 15 2008

HAZARDOUS MATERIALS BUSINESS PLAN CERTIFICATION

The California Health & Safety Code (H&SC), Division 20, Chapter 6.95, Section 25505 provides for the following:

The San Diego County, Department of Environmental Health, Hazardous Materials Division (HMD), as the administering agency, requires a business that handles hazardous materials to submit the hazardous materials inventory, a list of emergency contacts, and a site plan, **in lieu of a complete Hazardous Materials Business Plan (HMBP),** only after the initial submittal of a complete HMBP. The business must certify that a complete HMBP has been prepared and is maintained at the site where the hazardous materials are stored. A complete HMBP includes the items to be submitted to the HMD and an Emergency Response Plan and Employee Training Plan, as established in H&SC Section 25504. The business must also annually certify that the HMBP is current and maintained on site. See Back for instructions and further clarification.

I. IDENTIFICATION

FACILITY ID# 102651

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3

BOB STALL CHEVROLET

BUSINESS SITE ADDRESS 7601 ALVARADO RD, LA MESA, 91941-3611 03

CITY 104	CA	ZIP CODE 105

II. CERTIFICATION STATEMENT

☐ **CARCINOGEN/REPRODUCTIVE TOXIN ANNUAL RENEWAL WITHOUT CHANGES: This is an annual renewal to certify that the list of carcinogens and/or reproductive toxins last provided is a current list as specified in the San Diego County Code of Regulatory Ordinances Section 68.1113.**

Check only one of the following boxes:

☐ **INITIAL CERTIFICATION: This is to certify (H&SC Section 25505(e)(1)) that a complete HMBP, which includes the hazardous materials inventory, a list of emergency contacts, a site plan, emergency response plan, and employee training plan, has been prepared and is maintained at the site where the hazardous materials are stored.**

☒ **ANNUAL CERTIFICATION WITHOUT CHANGES: This is an annual certification (H&SC Section 25505(d)&(e)(2)) that the HMBP, which includes the hazardous materials inventory, a list of emergency contacts, a site plan, emergency response plan, and employee training plan, is current and includes all the information required in H&SC Section 25504, and 25509, and is maintained at the site where the hazardous materials are stored.**

☐ **CERTIFICATION OF CHANGES/REVISIONS: This is to certify that the HMBP has been reviewed (H&SC Section 25505(c) & 25510) and all necessary changes/revisions have been made. The HMBP is current and is maintained at the site where the hazardous materials are stored. Attached are changes to the hazardous materials inventory and/or list of emergency contacts. For site map revisions, submit only the pages that have a change or revision and attach to this certification. This submittal satisfies annual certification requirements specified in H&SC Section 25505(d)&(e)(2).**

As an Authorized Representative, I certify under the penalty of law, that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete. By checking any of the boxes above I also certify that : a)The information contained in the hazardous materials inventory most recently submitted to the CUPA or Administrative Agency is complete, accurate, and up to date; b) There has been no change in the quantity of hazardous materials reported in the most recently submitted inventory; and c) All hazardous materials subject to inventory requirements are listed on the most recently submitted inventory.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 8-4-08
NAME OF SIGNER (print) JOHN HOSKINS	TITLE OF SIGNER SHOP FOREMAN

INSTRUCTIONS TO CLERICAL STAFF FOR HMBP ACCEPTANCE

☐ Site Map ____/____/____
☐ *Emergency Contacts ____/____/____
☐ *Chemical Inventory ____/____/____

*Note: Indicate the date that the inventory and/or ER contact information in the KIVA database was reviewed and changes were submitted for processing. If the inventory and ER contact information are exactly the same as it is recorded in KIVA, no changes need to be submitted.

Hazardous Materials Business Plan acceptance date will be changed to the acceptance date on new site map.
A letter will be mailed to business after processing of site map updates.

HIRT SITE ☐** FIRE DIST._____

Specialist's Signature: (only required for new plans or for changes to site maps, chemical inventory and/or emergency contacts) _____

REMARKS: _____

ENTERED DEC 2 3 2008

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 3 DATE 10/24/08
PERMIT # 102651
TIME START 1:40 END 3:30
BUS. CODE 451
SPECIALIST Fitzmaurice
INSPECTION CONTACT/TITLE
John Hoskins / Mgr.
PHONE: (619) 460-1311

BUSINESS NAME Bob Stall
ADDRESS 7001 Alvarado Rd.
CITY/ZIP La Mesa 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available			Permit Expires on: 12/31/08
☑	☐	Hazardous Materials Business Plan available	☑	☐	Contingency Plan available
☑	☐	Employee Training is adequate	☑	☐	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☐ Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

Routine Inspection
Permission to conduct inspection granted by John Hoskins
Notice to comply: Violations & Corrective Actions:
1. Business operator failed to have the Above-ground Storage Tank (AST) containing used oil Tested and Certified by a Professional Engineer
Corrective Action: Within 30 days have the AST Certified by a Professional Engineer or complete and submit to address below an AST Certification & Engineering Assessment Exemption Notification. Be advised that the notification requires this business to comply with Terms and Conditions listed on the form.

RECEIVED DEC 0 3 2008

Remarks:
- AST containing used oil is inspected daily with results of inspections logged.
- Business is a large quantity generator of hazardous wastes, generating > 1,000 kilograms per month.
- Business is a large automobile dealership.

☑ **This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.**

Initials of Business Representative

Signature of Business Representative | 10/24/08 Date Signed | Shopfeman Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2377 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PERMIT # 102657
DATE 10/24/08
PAGE 2 OF 3

BUSINESS ADDRESS: 7601 Alvarado Rd, ZIP CODE: 91941

- Employee Training documentation reviewed,
- Hazardous Materials Business Plan observed to be current,
- Within 30 days submit a completed Corrective Action Form (provided) to address.

10/24/08

SIGNATURE OF BUSINESS REPRESENTATIVE | DATE SIGNED | TITLE OF BUSINESS REPRESENTATIVE

COUNTY OF SAN DIEGO

PERMIT # 1026051
DATE 10/24/08
PAGE 3 OF 3

COMPLIANCE INSPECTION REPORT
Large Quantity Generators of Hazardous Waste

BUSINESS ADDRESS: 7601 Alvarado Rd **ZIP:** 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Title 22 of the California Code of Regulations and Chapter 6.5 of the California Health and Safety Code. Large Hazardous Waste Quantity Generator=(LQG).

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Your Specialist can provide this form. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS WASTE REQUIREMENTS

RECORDKEEPING

Viol #	V	VIOLATION DESCRIPTION
	☐ 0144	Failed to have SB14 compliance documentation for review. 25244.21, 25244.19, & 67100.3(a), 67100.2(a)
	☐ 0150	Failed to complete Biennial Report (RCRA LQG only). 66262.41(b) {keep copy per 66262.40(b)}

STORAGE AND HANDLING -Pursuant to 66262.34(a)

	☐ V0201	Failed to keep container closed. 66265.173(a)
	☐ V0202	Failed to properly label and/or date hazardous waste container and/or tank. 66262.34(a)(2); 66262.34(a)(3) and 66262.34(f)
	☐ V0205	Failed to transfer hazardous waste from a container that leaked or was in poor condition to another container in good condition. 66265.171
	☐ V0206	Failed to keep ignitable or reactive waste 50 feet from property line. 66265.176
	☐ V0207	Did not maintain &/or operate facility to minimize possibility of release or fire. 66265.31
	☐ V0208	Failed to conduct weekly inspections. 66265.174
	☐ V0209	Accumulated hazardous waste more than 90 days. 25201(a) and 66262.34(a)&(c)
	☐ V0212	Failed to properly separate incompatible wastes. 66265.177
	☐ V0213	Failed to use a lined/compatible container. 66265.172
	☐ V0235	Did not accumulate waste in container or tank. 66262.34(a)(1)

TRAINING, EMERGENCY CONTINGENCY PLAN & EMERGENCY PROCEDURES
Pursuant to 66262.34(a)(1)(A)

	☐ V0401	Failed to maintain training records. 66265.16(d) & (e)
	☐ V0402	Employee training program not adequate. 66265.16(a) & (b)
	☐ V0404	Spill or fire control equipment not available. 66265.32(c), (d)
	☐ V0405	Failed to maintain aisle space. 66265.35
	☐ V0406	Emergency contingency plan not prepared and/or kept onsite. 66265.51(a), 66265.53(a) & (b)
	☐ V0413	Failed to have an adequate emergency contingency plan. 66265.52
	☐ V0414	Failed to train employees annually. 66265.16(c)

HAZARDOUS WASTE REQUIREMENTS

TRAINING, EMERGENCY CONTINGENCY PLAN & EMERGENCY PROCEDURES
Pursuant to 66262.34(a)(1)(A)

Viol #	V	VIOLATION DESCRIPTION
	☐ V0415	Failed to equip facility with internal emergency communications or alarm system. 66265.32(a)
	☐ V0416	Failed to carry out contingency plan during an emergency. 66265.51(b)
	☐ V0417	Failed to have an emergency coordinator on call or available during emergency. 66265.55

HAZARDOUS WASTE TANK REQUIREMENTS
Pursuant to 66262.34(a)(1)(A)

(	☑ V1601	Failed to obtain a PE assessment for hazardous waste (HW) tank system. 66265.191(a) or 66265.192(a)
	☐ V1602	Failed to provide adequate PE assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
	☐ V1603	Failed to provide proper secondary containment and/or leak detection for HW tank system. 66265.193(a)
	☐ V1604	Failed to maintain secondary containment empty. 66265.196(b) & (c), 66265.194(c)
	☐ V1605	Failed to inspect and/or document daily HW tank system inspections. 66265.195(c)
	☐ V1606	Failed to use proper spill/overfill prevention controls and practices. 66265.194(a) & (b)
	☐ V1607	Failed to adequately design or maintain corrosion protection. 66265.191(b)(3) or 66265.192(a)&(f)
	☐ V1608	Failed to complete annual integrity assessment for HW tank system without secondary containment. 66265.191(a) & (e)
	☐ V1609	Failed to remove unfit HW tank system from service. 66265.196
	☐ V1611	Failed to properly complete and/or document closure for a HW tank system. 67383.3 & 66265.197(a)&(b)
	☐ V1619	Failed to install safety measures for HW tank system holding ignitable or reactive waste. 66265.198(a)
	☐ V1620	Failed to immediately remove from service a HW tank system that leaked or failed. 66265.196(b) & (c)
	☐ V1621	Failed to notify DTSC when a release to environment occurred from HW tank system. 66265.196(e)(1)or(3)
	☐ V1622	Failed to meet air emission standards for HW tank system with VOC waste. 66265.202 & 66265.1082 (a)(b) or (c)
	☐ V1623	Failed to develop written plan & schedule to perform VOC emissions monitoring. 66265.1089(b)
	☐ V1624	Failed to comply with the 3 year record keeping requirement for tank accumulating VOC waste. 66265.1090(a)
	☐ V1625	Failed to properly control air pollutant emissions for tank accumulating VOC waste. 66265.202, 66265.1083(b) & 66265.1085(b)

SIGNATURE OF BUSINESS REPRESENTATIVE

10/24/08
DATE SIGNED

TITLE OF BUSINESS REPRESENTATIVE

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

COUNTY OF SAN DIEGO CUPA
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX 1-800-253-9933
http://www.sdcdeh.org

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DEC 03 2008
ENVIRONMENTAL HEALTH

____/____/____
Date Submitted

Aboveground Petroleum Storage Tank Facility Statement

Page ____ of ____

I. FACILITY/BUSINESS INFORMATION

FACILITY ID # 3 7 0 0 0 0 1 0 2 6 5 1 — 1

FACILITY NAME (Same as BUSINESS NAME or DBA-Doing Business As) — 3
BOB STALL CHEVROLET

FACILITY ADDRESS — 103
7601 ALVARADO RD

FACILITY CITY — 104
LA MESA

CA

ZIP CODE — 105
91941

CONTACT NAME — 117
JOHN HOSKINS

CONTACT PHONE — 118
(619) 460-1311 x1410

Does the facility have an SPCC plan? ☐Yes ☒No — 920
(see reverse for instructions)

Date of last SPCC Plan Revision/Review:
____/____/____

II. TOTAL FACILITY CAPACITY (in gallons) — 921

Facility's total aboveground petroleum storage **capacity** for all tanks and containers greater than or equal to 55 gallons: 2015 gallons
(see reverse for instructions)

Capacity of the largest tank/container that stores petroleum at your facility (in gallons): 480 gallons

III. TANK DETAILS for facilities with tanks 10,000 gallons in capacity or more (attach additional forms if needed)

922 Tank ID Number	923 Contents (Gas, Diesel, etc.)	924 Capacity (in gallons)	925 Tank Location	926 Age of Tank (in years)	927 Secondary Containment
1	ATF	235	SEE SITE MAP/PLAN FOR TANK LOCATION	12	☐Yes ☒No
2	OIL	360		12	☐Yes ☒No
3	OIL	240		12	☐Yes ☒No
4	OIL	480		12	☐Yes ☒No
5	USED OIL	480		12	☒Yes ☐No
6	? 3X55 GALLON DRUMS	165		RENEW MONTHLY	☐Yes ☒No
7	WASTE GASOLINE	55		RENEW MONTHLY	☐Yes ☒No
					☐Yes ☐No

IV. SIGNATURE

I certify under penalty of law that the information submitted is accurate and complete to the best of my knowledge.

SIGNATURE OF OWNER OR TANK FACILITY OPERATOR	PRINTED NAME OF OWNER OR TANK FACILITY OPERATOR — 136	DATE (MM/DD/YYYY) — 134
X	JOHN HOSKINS	12/02/08

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

RECEIVED
NOV 10 2008
ENVIRONMENTAL HEALTH

PERMIT #: 1102651
SPECIALIST: FITZmaurice
INSPECTION DATE: 10/24/08
CONTACT: _____

BUSINESS NAME Bob Stall

ADDRESS 7601 Alvarado Rd. CITY LA MESA ZIP 91941

VIOL #	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (ATTACH ANY SUPPORTING DOCUMENTATION TO THIS FORM)
1 v	11/6/08	CONTACTED LA MESA FIRE MARSHAL TO INSPECT THE ABOVE GROUND OIL TANK FOR CONFORMANCE WITH APPLICABLE REGULATIONS FIRE MARSHAL SIGNED APPROVAL - (ENCLOSE COPY)
2 v	__/__/__	
3 v	__/__/__	
4 v	__/__/__	
5 v	__/__/__	
6 v	__/__/__	
7 v	__/__/__	
8 v	__/__/__	
9 v	__/__/__	
10 v	__/__/__	

I certify under penalty of law that this business/site has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the business/site, and am aware that there are significant penalties for submitting false information.

Responsible Party: John Hoskins (Print Name) **Job Title** Shop Foreman

Signature of Responsible Party: _____ **Date:** 11/16/08

< Send completed form and supporting documentation to the address listed below >

COUNTY OF SAN DIEGO USE ONLY: **Reviewed by:** FITZmaurice (Specialist's name and date required for processing) **Date:** 11/26/08

Specialist's comments: _____

☑ All violations noted on date listed above were corrected.

☑ Based on information provided by the business
☐ Based on field verification by Specialist

☑ RTC entered in Kiva by Specialist on: 2/9/09 ☐ RTC entered in Kiva by Clerical on: __/__/__

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org//hmd 619-338-2222; 1-800-253-9933; Fax 619-338-2377

ENTERED JUL 2 0 2010

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 6/22/10
PERMIT# 102651 BUS. CODE K31
TIME START 3:20 END 5:20
SPECIALIST C. MOSS
INSPECTION CONTACT DAVE LEITER
TITLE SERVICE MANAGER
PHONE (619) 460-1311

FACILITY NAME BOB STALL CHEVROLET
ADDRESS 7601 ALVARADO RD
CITY/ZIP LA MESA 91941

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y*	N/A*		Y*	N/A*	
☒	☐	Unified Program Facility Permit current			Permit Expires on: 12/31/10
☒	☐	Hazardous Materials Business Plan available	☒	☐	Contingency Plan available ☐LQG ☐SQG
☒	☐	Employee training is adequate	☒	☐	Employee training records available
☒	☐	Waste disposal records available for review	☒	☐	Universal waste managed properly
☒	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers ☒closed ☒labeled
☐	☐	Chemical inventory/map current ☒Updated today	☒	☐	Waste containers in good condition

Consent to inspect granted by: ☐ Inspection Contact ☐ Other:

THIS BUSINESS SELLS NEW & USED CARS AND SERVICES SAME.

THE HMD IS IN RECEIPT OF A WASTE PROFILE (WASTE DETERMINATION) OF THE PAINT BOOTH FILTERS USED AT THIS LOCATION. THE RESULTS OF THE ANALYSIS OF THIS ONE SAMPLE SHOWS THAT CALIFORNIA HEAVY METALS ARE BELOW REGULATORY LEVELS. THE ADDITIONAL SOLUBILITY TEST WAS REQUIRED TO BE DONE ON BARIUM. THE RESULTS WERE BELOW REGULATORY LEVELS. FISH BIOASSAY RESULTS WERE ABOVE REGULATORY LEVELS. ABOVE REGULATORY LEVELS IS NON-HAZARDOUS FOR FISH BIOASSAY RESULTS.

RECEIVED JUL 13 2010

IT IS SOLELY THE WASTE GENERATOR'S RESPONSIBILITY TO KNOW IF A WASTE GENERATED ON SITE IS HAZARDOUS. FEDERAL EPA REQUIRES 4 SEPARATE WASTE DETERMINATION BE CONDUCTED ON A WASTE STREAM TO DETERMINE IF IT IS HAZARDOUS OR NON-HAZARDOUS. A SINGLE ANALYSIS ONLY SHOWS THAT THE ONE SAMPLE IS HAZ OR NON-HAZ. THE WASTE DETERMINATION PROCESS IS DONE BY 2 METHODS (1) LAB ANALYSIS (2) KNOWLEDGE OF PROCESS.

LAB ANALYSIS IS AS IT STATES & MUST BE DONE BY A CALIFORNIA CERTIFIED LAB. KNOWLEDGE OF PROCESS CONSISTS OF COMPILING INFORMATION FROM

☒ This is an annual certification that the Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Facility Representative

PRINTED NAME OF FACILITY REPRESENTATIVE: DAVE LEITER
DATE SIGNED: 6/22/10
SIGNATURE OF FACILITY REPRESENTATIVE: X
TITLE OF FACILITY REPRESENTATIVE: SERVICE MANAGER

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PERMIT # 102651
DATE 6-22-10
PAGE 1 OF 2

BUSINESS ADDRESS: 7601 ALVARADO RD, LA MESA ZIP CODE: 91941

DIFFERENT SOURCES SUCH AS, BUT NOT LIMITED TO; LAB ANALYSIS SUCH AS THE SINGLE ANALYSIS JUST CONDUCTED, INDUSTRY INFORMATION, M.S.D.S. INFORMATION, LABEL INFORMATION, MANUFACTURER INFORMATION AND OLDER LAB ANALYSIS IF YOU CAN SHOW MATERIALS HAVE NOT CHANGED OR HAVE CHANGED + CONTAIN LESS HAZARDOUS CONSTITUENTS THAT CAN BE SHOWN TO BE # LESS HAZARDOUS.

THE LAB ANALYSIS WAS CONDUCTED ON FILTERS IN USE AROUND THE APPLICATION OF 2 PART URETHANE, WATER-BASED PAINT. MR. LEITER STATED THAT THE FILTERS ARE BEING DECLARED NON-HAZARDOUS.
PAINT BOOTH IS GROUNDED. LABEL IS BECOMING HARD TO READ. LABEL MUST BE READABLE AT ALL TIMES.

USED OIL TANK (A.S.T.) HAS CURRENT EXEMPTION. NEXT EXEMPTION CERTIFICATION IS DUE IN 2011 (NOVEMBER).

UNIVERSAL WASTE FLUORESCENT TUBES + BATTERIES ARE PROPERLY MANAGED THEY ARE DISPOSED BY A.E.S.

ALL WASTES ARE STORED UNDER COVER AND W/ CONTAINMENT.

INVENTORY CHANGES:
DELETED PAINT BOOTH FILTERS
" SOLVENT PARTS WASHER
ADDED ADHESIVE " "
ADJUSTED WASTE DISPOSAL QUANTITIES + STORAGE AMOUNTS (MINOR)

ALL WASH WATER PASSES THROUGH A CLARIFIER

PETROLEUM PRODUCT STORAGE CAPACITY IS 7150 GALLONS, 110,000 GALLONS OR APPROXIMATELY 2500 GALLONS. THIS IS A TIER I QUALIFIED APSA FACILITY. THE CURRENT SPCC PLAN IS BEING RE-DONE TO SHOW MINOR CHANGES TO PETROLEUM STORAGE TO BE INSTALLED THIS SUMMER/FALL. THE UPDATED PLAN MUST BE COMPLETED (SUBMISSION IS NOT REQUIRED) BY 11-10-10 + A COPY RETAINED ON SITE;
NO VIOLATIONS OBSERVED TODAY

SIGNATURE OF BUSINESS REPRESENTATIVE

6/22/10
DATE SIGNED

SERVICE MANAGER
TITLE OF BUSINESS REPRESENTATIVE

619-460-1311
Phone

BOB STALL
INTERSTATE 8, LA MESA
CHEVROLET

619-460-1650
Fax

TO FILE 102651
WASTE DETERMINATION
WATER-BASED AUTO-PAINT.

RECEIVED
JUN 18 2010
ENVIRONMENTAL HEALTH

June 16, 2010

Mr. Charles Mosse
County of San Diego
Dept of Environmental Health Hazardous Materials Division
PO Box 129261
San Diego, CA 92112

Mr. Moss,

I have had our paint booth filters profiled by Associated Laboratories. Could you please review the lab results and notify me if they are within limits to dispose of as normal waste?

You can reach me at 619-460-1311.

Thank you for your attention to this matter.

Sincerely,

John Hoskins
Shop Foreman
Bob Stall Chevrolet

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Bob Stall, Chevrolet (13397)
ATTN: John Hoskins
7601 Alvarado Rd.
La Mesa, CA 91944

LAB REQUEST 254521

REPORTED 05/26/2010
RECEIVED 05/10/2010

SUBMITTER Client

COMMENTS LC50 > 500 mg/L = Non Hazardous
LC50 < 500 mg/L = Hazardous

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
1078696	Filter Booth
1078697	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 #: 1078697
Matrix: SOLID
Date Sampled:
Time Sampled:
Sampled By:

Client: Bob Stall, Chevrolet
Client Sample ID: Laboratory Method Blank

Analyte	Result	DF	DLR	Units	Date/Analyst
6010 STLC (16 ICP Metals)					
Barium, STLC	ND	1	0.010	mg/L	05/24/10 KN
6010B ICP CAM Metals Only (W/S/W)					
Antimony	ND	1	3.00	mg/Kg	05/14/10 KN
Arsenic	ND	1	1.00	mg/Kg	05/14/10 KN
Barium	ND	1	1.00	mg/Kg	05/14/10 KN
Beryllium	ND	1	0.50	mg/Kg	05/14/10 KN
Cadmium	ND	1	0.50	mg/Kg	05/14/10 KN
Chromium	ND	1	1.00	mg/Kg	05/14/10 KN
Cobalt	ND	1	0.50	mg/Kg	05/14/10 KN
Copper	ND	1	1.00	mg/Kg	05/14/10 KN
Lead	ND	1	0.50	mg/Kg	05/14/10 KN
Molybdenum	ND	1	1.00	mg/Kg	05/14/10 KN
Nickel	ND	1	1.50	mg/Kg	05/14/10 KN
Selenium	ND	1	1.00	mg/Kg	05/14/10 KN
Silver	ND	1	0.50	mg/Kg	05/14/10 KN
Thallium	ND	1	1.00	mg/Kg	05/14/10 KN
Vanadium	ND	1	0.50	mg/Kg	05/14/10 KN
Zinc	ND	1	5.00	mg/Kg	05/14/10 KN
7471A Mercury in Solid/Wipe					
Mercury	ND	1	0.14	mg/Kg	05/12/10 NZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample: 254545-1078849

Matrix: SOIL

Prep. Date: May 12, 2010

Analysis Date: May 12, 2010

Lab ID#'s in Batch: 254545, 254521

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	0.02	0.78	0.88	0.88	110	111	0

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
ND	0.74	0.83	90	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 - METHOD 6010

QC Sample: LR 254529-1078782 H#051210 SO2

Matrix: SOLID

Prep. Date: May 12, 2010

Analysis Date: May 13, 2010

Lab ID#'s in Batch: LR 254529, 254528, 254490, 254521, 254529

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	5.200	90.0	109.00	109.00	115	115	0
Se	ND	90.0	87.00	89.00	97	99	2
Tl	ND	90.0	95.00	98.00	106	109	3
Pb	10.000	90.0	105.00	110.00	106	111	5
Sb*	ND	90.0	28.00	30.00	31	33	7
Ba	179.000	90.0	251.00	272.00	80	103	8
Be	0.620	90.0	102.00	100.00	113	110	2
Cd	1.290	90.0	95.00	103.00	104	113	8
Cr	28.000	90.0	116.00	128.00	98	111	10
Co	10.000	90.0	104.00	107.00	104	108	3
Cu	24.000	90.0	112.00	123.00	98	110	9
Mo	2.500	90.0	90.00	94.00	97	102	4
Ni	23.000	90.0	110.00	119.00	97	107	8
Ag	ND	45.0	44.00	48.00	98	107	9
V	50.000	90.0	138.00	153.00	98	114	10
Zn	73.000	90.0	155.00	168.00	91	106	8

* = 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
g	104.00	100	104	80-120	< 0.5
As	187.00	200	94	80-120	< 1
Ba	195.00	200	98	80-120	< 1
Be	206.00	200	103	80-120	< 0.5
Cd	202.00	200	101	80-120	< 0.5
Co	207.00	200	104	80-120	< 0.5
Cr	209.00	200	105	80-120	< 1
Cu	185.00	200	93	80-120	< 1
Mo	200.00	200	100	80-120	< 1
Ni	204.00	200	102	80-120	< 1.5
Pb	209.00	200	105	80-120	< 0.5
Sb	200.00	200	100	80-120	< 3
Se	193.00	200	97	80-120	< 1
Tl	208.00	200	104	80-120	< 1
V	195.00	200	98	80-120	< 0.5
Zn	205.00	200	103	80-120	< 5

ASSOCIATED LABORATORIES

QA REPORT FORM - METHOD 6010

QC Sample: LR 254521-1078696 H#051810 STLC1

Matrix: STLC

Prep. Date: May 18, 2010

Analysis Date: May 24, 2010

Lab ID#'s in Batch: LR 254521

Reporting Units = mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Test	Sample Result	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	% RPD
Ba	12.200	20.0	33.00	35.00	104	114	6

* = Outside QC limits, due to matrix Interference
If Sample Result > 4 times Spike Added, then "NC"

% REC LIMITS = 75 -125
RPD LIMITS = 20

Order #: 1078696
Matrix: SOLID
Date Sampled: 11/03/2009
Time Sampled:
Sampled By:

Client: Bob Stall, Chevrolet
Client Sample ID: Filter Booth

Analyte	Result	DF	DLR	Units	Date/Analyst	
600/4-85/013 Fish Bioassay - Adult						
LC50	> 750	1		mg/L	05/11/10	TD
6010 STLC (16 ICP Metals)						
Barium, STLC	12.2	10	0.1	mg/L	05/24/10	KN
6010B ICP CAM Metals Only (W/S/W)						
Antimony	ND	1	3.0	mg/Kg	05/14/10	KN
Arsenic	ND	1	1.0	mg/Kg	05/14/10	KN
Barium	2980	1	1.0	mg/Kg	05/14/10	KN
Beryllium	ND	1	0.5	mg/Kg	05/14/10	KN
Cadmium	ND	1	0.5	mg/Kg	05/14/10	KN
Chromium	1.96	1	1.0	mg/Kg	05/14/10	KN
Cobalt	ND	1	0.5	mg/Kg	05/14/10	KN
Copper	31	1	1.0	mg/Kg	05/14/10	KN
Lead	1.91	1	0.5	mg/Kg	05/14/10	KN
Molybdenum	ND	1	1.0	mg/Kg	05/14/10	KN
Nickel	1.82	1	1.5	mg/Kg	05/14/10	KN
Selenium	ND	1	1.0	mg/Kg	05/14/10	KN
Silver	ND	1	0.5	mg/Kg	05/14/10	KN
Thallium	ND	1	1.0	mg/Kg	05/14/10	KN
Vanadium	2.66	1	0.5	mg/Kg	05/14/10	KN
Zinc	ND	1	5.0	mg/Kg	05/14/10	KN
7471A Mercury in Solid/Wipe						
Mercury	ND	1	0.14	mg/Kg	05/12/10	NZ

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Bob Stall - chev Project: _____
Date Received: 5-10-10 Sampler's Name: Yes No
Sample(s) received in cooler: ~~Yes~~ ME No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: ME X Ice ____ Ice Packs ___ Bubble Wrap ___ Styrofoam
____ Paper ____None ___ Other _____
Cooler or box temperature: _____

(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. Eckert Date: 5-10-10

ENTERED NOV 09 2012

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 3 DATE 10/15/12
PERMIT# 102651 BUS. CODE K31
TIME START 11:16 END 2:36
SPECIALIST Fitzmaurice
INSPECTION CONTACT John Hoskins
TITLE Foreman
PHONE (619) 460-1311

FACILITY NAME Bob Stall Chevrolet
ADDRESS 7601 Alvarado Road
CITY/ZIP La Mesa, 91941

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

Y*	N/A*	NOTE: **Reinspection fees will be charged if additional inspections are required to determine compliance.**	Y*	N/A*	
☑	☐	Unified Program Facility Permit current	☐	☐	Permit Expires on: 12/31/12
☑	☐	Hazardous Materials Business Plan available	☑	☐	Contingency Plan available ☐LQG ☐SQG
☑	☐	Employee training is adequate	☑	☐	Employee training records available
☑	☐	Waste disposal records available for review	☑	☐	Universal waste managed properly
☑	☐	Emergency contacts current ☐ Updated today	☑	☐	Waste containers ☑closed ☑labeled
☑	☐	Chemical inventory/map current ☐ Updated today	☑	☐	Waste containers in good condition

Consent to inspect granted by: ☑Inspection Contact ☐ Other:

RECEIVED OCT 29 2012

Routine Inspection

Business is a new and used car dealership. Auto repair & maintenance is conducted on site, as is auto paint & body work. Business is a large quantity generator of hazardous waste, generating greater than 1,000 kilograms (270 gallons) per month.

- Paint booth filters have been determined to be non-hazardous, based on lab analytical data, as per John Hoskins. Data is in HMD file. Business is currently using water-based color-coat paint for auto paint & body shop.

- Aboveground Storage Tank (AST) containing used oil is inspected daily with results of inspections logged. The AST was granted an exemption from being Certified on 11-6-08.

1. Business operator improperly disposed of hazardous waste. As per John Hoskins, waste brake fluid was disposed of with used oil. No brake fluid observed on site during this inspection.

Corrective Action: Immediately discontinue disposing of waste brake fluid with used oil. Store the fluid in a separate container with tight fitting lid. Label with a Hazardous Waste label. Used oil is only motor oil, transmission fluid, and other

☑ This is an annual certification that the Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Facility Representative

PRINTED NAME OF FACILITY REPRESENTATIVE: John Hoskins
DATE SIGNED: 10/15/12
SIGNATURE OF FACILITY REPRESENTATIVE: X
TITLE OF FACILITY REPRESENTATIVE: Shop Foreman

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PERMIT # 102051
DATE 10/15/12
PAGE 2 OF 3

FACILITY ADDRESS: 7601 Alvarado Rd. ZIP CODE: 91941

lubricating petroleum fluids.

Within 30 days of a 100% increase or decrease of hazardous materials stored in quantities of at least 55-gallons liquid, 200 cubic feet compressed gas, or 500 pounds solid, notify this office.

SIGNATURE OF FACILITY REPRESENTATIVE

10/15/12
DATE SIGNED

Shop Foreman
TITLE OF FACILITY REPRESENTATIVE

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Small and Large Quantity Generators of Hazardous Waste
Handlers of Hazardous Materials

PERMIT # 102651
DATE 10/15/12
PAGE 3 OF 3

FACILITY ADDRESS: 7601 Alvarado Road **ZIP:** 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19, 22 & 27 of the California Code of Regulations (CCR), Chapters 6.5, 6.67 & 6.95 of the Health and Safety Code, and/or the San Diego County Code (SDCC). Small Quantity Hazardous Waste Generator=(SQG); Large Hazardous Waste Quantity Generator=(LQG); Code 40 of Federal Regulations=(CFR).
All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Your Specialist can provide this form. Please call (858) 505-6880 or your Specialist if you have any questions.

HAZARDOUS MATERIALS REQUIREMENTS

Viol #	V		VIOLATION DESCRIPTION
	☐	1001	UPF permit not obtained for hazardous materials. SDCC 68.905
	☐	1002	Hazardous Materials Business Plan (HMBP) not established/ implemented. 25503.5(a)
	☐	1004	HMBP not submitted to the CUPA. 25505(a)
	☐	1005	Emergency contact not provided or current. 25509(a)(7)
	☐	1007	Highly toxic gas (TLV≤10 ppm) not disclosed. 68.1113(b)
	☐	1008	Did not submit annual carcinogen/reproductive toxin list. 68.1113(c)
	☐	1009	Site map is not sufficient or complete. 25509(a)(5) & 25505(a)(2)
	☐	1010	Did not report release or threatened release. 25507(a), 19 CCR 2703
	☐	1012	SPCC Plan not prepared. 25270.3 & 25270.4.5(a)
	☐	1013	Copy of HMBP not onsite for inspector's review. 25505(e)
	☐	1014	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
	☐	1015	Did not have adequate employee training program 2732 &/or 25504(c)
	☐	1016	Failed to have an adequate emergency response plan 25504(b); 2731
	☐	1017	Business Plan not certified annually. 25505(d) & (e)(2)
	☐	1018	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
	☐	1019	SPCC Plan amendment not prepared within 6 months of change. 25270.4.5(a) [ref. CFR 112.1(b) & CFR 112.5]
	☐	1020	Failed to submit Unified Program Consolidated Form(s) to the CUPA for regulated activity or change of information. 27 CCR 15400.1(b) &/or SDCC 68.906; 68.909; &/or 68.908.2

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

RECORDKEEPING

	☐	0131	Unified Program Facility (UPF) permit not obtained. SDCC 68.905
	☐	0132	Failed to obtain & maintain a valid EPA ID Number. 66262.12(a)
	☐	0133	Failed to send manifest copy to DTSC. 66262.23(a)(4)
	☐	0134	Failed to file Exception Report with DTSC. 66262.42
	☐	0135	Failed to keep hazardous waste manifests/receipts for 3 years available for inspection. 66262.40(a) & 25160.2(b)(3), 25185(a)(4)
	☐	0136	Did not have records of battery disposal. 66266.81(a)(4)(B)
	☐	0137	Failed to complete manifest properly. 66262.23(a)
	☐	0138	Manifest signed by the TSDF not available for inspection. 66262.40(a)
	☐	0140	Failed to have LDR documentation onsite. 66268.7(a)(8)
	☐	0141	Failed to obtain approval for TSDF. 25201(a)
	☐	0142	Failed to notify CUPA for eligible onsite treatment. 25201(a)
	☐	0145	ERM reporting not submitted biennially &/or available. 25143.10
	☐	0146	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
	☐	0147	Failed to keep records of offsite universal waste (UW) shipment(s) available for inspection for 3 years. 66273.39(c) & (d)(2); 25185(a)(4)
	☐	0148	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
	☐	0149	Failed to keep disposal receipts (3 years) for drained used oil filters &/or drained fuel filters. 25250.22 & 66266.130(c)(5)

DISPOSAL AND TRANSPORTATION

	☐	0301	Unauthorized disposal of hazardous waste. 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0302	Unlawful transportation of hazardous waste (HW). 25163(a)
	☐	0303	Did not use HW manifest for disposal. 66262.20(a); 25160(b)(1) or (2), 25160.2(b)(9)
	☐	0304	Failed to make a proper waste determination. 66262.11 & 66260.200(c)
	☐	0305	Disposed of used oil illegally. 25250.5(a) & 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0306	Disposed of latex paint illegally. 25217.1
	☐	0307	Disposed of UW to an unauthorized point. 25189.5(a) or 25189(c) or (d) or 25189.2(c); 66273.31(a)
	☑	0308	Impermissible dilution of hazardous waste. 66268.3(a)

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

Viol #	V		VIOLATION DESCRIPTION

STORAGE AND HANDLING

	☑	0214	Used oil intentionally contaminated with HW. 25250.7(a)
	☐	0215	Used oil filters improperly managed. 66266.130
	☐	0216	Failed to label hazardous materials within 10 days or less. 25124(b)(3)(A) & 66262.34(f)
	☐	0217	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
	☐	0218	Failed to label &/or close drained ☐ used oil filters &/or ☐ used fuel filters. 25250.22 & 66266.130(c)(3)
	☐	0219	Failed to properly segregate used oil &/or fuel drained from filters. 66266.130(c)(6) or 25250.22(b)(4)
	☐	0220	Spent lead acid batteries not properly managed. 66266.81
	☐	0221	Failed to comply with satellite regulations. 66262.34(e)
	☐	0222	Failed to properly label ERM. 25143.9(a)
	☐	0223	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7(b), (d) &/or (r)
	☐	0224	Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 66261.7(e) & (f)
	☐	0237	Failed to properly dispose of UW within one year. 66273.35(a) &/or (b)
	☐	0238	Failed to manage UW in a manner to prevent release(s) to the environment. 66273.33 & 66273.33.5
	☐	0239	Failed to properly label or mark UW (non-CESQUWG). 66273.34

HAZWASTE REQUIREMENTS FOR SQGs ONLY

STORAGE AND HANDLING Pursuant to 66262.34(d)

	☐	0225	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e) & (f), &/or 25201(a) [>90 days for an AHW waste]
	☐	0226	Did not accumulate waste in container or tank. 66262.34(d)(2)
	☐	0227	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
	☐	0228	Failed to keep container closed. CFR 265.173
	☐	0229	Failed to conduct weekly inspections. CFR 265.174
	☐	0230	Failed to maintain aisle space. CFR 265.35
	☐	0231	Failed to properly separate incompatible wastes. CFR 265.177
	☐	0232	Waste accumulated in a container in poor condition. CFR 265.171
	☐	0233	Failed to use a lined/compatible container. CFR 265.172
	☐	0234	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31

TRAINING, CONTINGENCY PLAN & ER PROCEDURES Pursuant to 66262.34(d)(2)

	☐	0407	Employee training program not adequate. CFR 262.34(d)(5)(iii)
	☐	0408	Failed to post ER plan by phone. CFR 262.34(d)(5)(ii)
	☐	0409	Spill/fire control equip not available. CFR 265.32(c)
	☐	0410	Failed to equip facility with internal communication or alarm. CFR 265.32(a) & (b)
	☐	0411	Failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
	☐	0412	Failed to have an emergency coordinator on call or available during emergency. CFR 262.34(d)(5)(i)

HAZARDOUS WASTE TANK SYSTEMS Pursuant to 66262.34(d)(2)

	☐	1612	Hazardous waste improperly stored in a tank system causing ☐ leaks, ☐ corrosion, or ☐ failure. CFR 265.201(b)(2)
	☐	1613	Failed to comply with tank standards which include: two (2) feet of freeboard (where applicable), shut off for waste feed line, and daily and weekly inspections. CFR 265.201(b) & (c)
	☐	1614	Failed to properly complete &/or document closure for a hazardous waste tank. CFR 265.201(d) & 67383.3
	☐	1615	Failed to safely accumulate ignitable or reactive waste in a tank. CFR 265.201(e)
	☐	1616	Failed to safely manage incompatible waste in a tank. CFR 265.201(f)

SIGNATURE OF FACILITY REPRESENTATIVE | 10/15/12 DATE SIGNED | Shupforman TITLE OF FACILITY REPRESENTATIVE

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

FACILITY NAME: **BOB STALL CHEVROLET**
ADDRESS: **7601 ALVARADO RD**
CITY/ZIP: **LA MESA** /**91941**

INSPECTION DATE: **10/21/2015** PAGE **1** OF **7**
RECORD ID #: **DEH2002-HUPFP-102651**
TIME START: **10:25 AM** END: **12:45 PM**
SPECIALIST: **Griffin, Donelle**
INSPECTION CONTACT: **Alan Dobbins**
TITLE: **Parts Manager**
PHONE: **(619) 415-4813**
E-MAIL: **adobbins@bobstall.com**

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Yes	N/A		Yes	N/A	
☒	☐	Unified Program Facility Permit Current	☒	☐	Contingency Plan Available ☒ LQG ☐ SQG
☒	☐	Hazardous Materials Business Plan Available	☒	☐	Employee Training Records Available
☒	☐	Employee Training is Adequate	☒	☐	Universal Waste Managed Properly
☒	☐	Waste Disposal Records Available for Review	☒	☐	Waste Containers ☒ Closed ☒ Labeled
☒	☐	Emergency Contacts Current ☐ Updated today	☒	☐	Waste Containers in Good Condition
☒	☐	Chemical Inventory/Map Current ☐ Updated today			Permit Expires On 12/31/2015

CONSENT TO CONDUCT INSPECTION GRANTED BY: Alan Dobbins TITLE: Parts Manager

INTRODUCTION:
Facility is a large quantity hazardous waste generator (>1000 kg per month) that requires a Hazardous Materials Business Plan.

VIOLATION # 1
1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

Classification: Minor

Observations:
A full 55 gallon drum of "windshield wiper fluid" was located at the facility (also an empty drum). The drum label was marked with a "flammable" hazard label. This material was not included in the hazardous materials inventory.

Corrective Action Due By:11/20/2015
Update hazardous materials inventory to include windshield wiper fluid and submit to CERS (California Environmental Reporting System) as soon as possible but within 30 days.

INSPECTION REMARKS:
Minor violations corrected during inspection:
Hazardous waste & product storage cage aisle space was obstructed by tools and lifting equipment. Alan Dobbins, parts manager, moved items to an acceptable aisle space. Alan Dobbins stated that he will rearrange the area to keep the aisle space to the drums clear.
Five unlabeled empty drums were found during the inspection. Alan Dobbins marked the empty drums with date emptied.

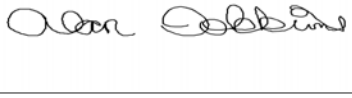
Helpful Websites:
• For guidance documents on hazardous materials-related topics,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_publications.html
• For information on the California Environmental Reporting System (CERS),
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_cers.html
• If you have questions on: permit fees, business plan requirements, or hazardous waste regulations,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat.html
• To find out the latest San Diego County News and receive updates, subscribe to our govdelivery emails:

https://public.govdelivery.com/accounts/CASAND/subscriber/new

If you have any questions regarding this inspection, please contact Griffin, Donelle, 858-260-1898, Donelle.Griffin@sdcounty.ca.gov

INSPECTION PHOTOS

All regulated businesses are required by law to submit their Unified Program-related information and business updates online through the California Environmental Reporting System (CERS). For additional information about CERS, go to: http://www.sandiegocounty.gov/deh/hazmat/hmd_cers.html

PRINTED NAME OF FACILITY REPRESENTATIVE **Alan Dobbins**	SIGNATURE		DATE SIGNED **10/21/2015**
TITLE OF FACILITY REPRESENTATIVE **Parts Manager**			

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

Handlers of Hazardous Materials and Small and Large Quantity Generators of Hazardous Waste

FACILITY NAME: ***BOB STALL CHEVROLET**

ADDRESS: * **7601 ALVARADO RD** CITY/ZIP: ***LA MESA** **91941**

Each violation checked below is for the section(s) of the California Health and Safety Code (HSC), California Code of Regulations (CCR), or the San Diego County Code (SDCC) indicated in italics. Incorporated provisions of Title 40 of the Code of Federal regulations (CFR) are noted for reference. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. HMBP = Hazardous Materials Business Plan; CUPA = Certified Unified Program Agency; CERS = California Environmental Reporting System; SQG = Small Quantity Hazardous Waste Generator; LQG = Large Quantity Hazardous Waste Generator

Hazardous Materials Requirements

#		VIOLATION DESCRIPTION
	☐	1010001 HMBP not established/ implemented. HSC 25505(a) and 25507(a)
	☐	1010002 HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a), (d)
	☐	1010003 Business Activities and/or Business Owner/Operator Identification not completed in CERS. 19 CCR 2729.2(a)(1); HSC 25404(e)(4)
1	☒	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)
	☐	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)
	☐	1010006 HMBP not updated to reflect inventory changes or facility information. HSC 25508.1(a-e)
	☐	1010007 HMBP not updated to reflect substantial change to the handler's operations. HSC 25508.1(f)
	☐	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2
	☐	1010010 Emergency response procedures to mitigate a release or threatened release not adequate, not established or not submitted in CERS. HSC 25505(a)(3) and 25508(a)(1)(A)
	☐	1010011 Failure to notify property owner in writing that the business is subject to the HMBP program. HSC 25505.1
	☐	1010012 Failure to provide a copy of HMBP to the property owner within five working days upon request from property owner. HSC 25505.1
	☐	1010014 Failure to submit emergency response plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
	☐	1010015 Failure to submit employee training plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
	☐	1010016 HMBP not established or submitted in CERS, when not meeting the remote site exemption. HSC 25507.2 and 25508(a)(1)(A)
	☐	1020001 Employee training plan for hazardous materials management not adequate, not established or not submitted in CERS. HSC 25505(a)(4) and 25508(a)(1)(A)
	☐	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)
	☐	1040001 Hazardous materials release or threatened release not reported to the CUPA and OES immediately upon discovery. HSC 25510(a)
	☐	4010001 Failed to prepare and implement a written Spill Prevention Control and Countermeasures (SPCC) Plan in accordance with 40 CFR 112 (sec. 112.3). HSC 25270.4.5(a)
	☐	HMD 1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
	☐	HMD 1005 Emergency contact not provided or current. HSC 25508.1(f)
	☐	HMD 1007 Highly toxic gas (TLV<10 ppm) not disclosed. SDCC 68.1113(b)
	☐	HMD 1008 Annual carcinogen/reproductive toxin list not submitted. SDCC 68.1113(c)
	☐	HMD 1013 HMBP not readily available for review. HSC 25505(c)

Hazardous Waste Requirements for SQGs ONLY

	☐	HMD 0219 Failed to properly segregate used oil &/or fuel drained from filters. HSC 25250.22(b)(4); 22 CCR 66266.130(c)(6)
	☐	HMD 0226 Did not accumulate waste in a container or tank. (40 CFR 262.34(d)(2).) 22 CCR 66262.34(d)(2)
	☐	HMD 0412 Failed to have an emergency coordinator on call or available during an emergency. (40 CFR 262.34(d)(5)(i).) 22 CCR 66262.34(d)(2)

Hazardous Waste Requirements for SQGs ONLY (continued)

#		VIOLATION DESCRIPTION
	☐	3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)
	☐	3030010 Accumulated waste too long (>180 or 270 days) (>90 days for an acutely hazardous waste). (40 CFR 262.34(e) and (f).) HSC 25201(a); 22 CCR 66262.34(d)
	☐	3030013 Failed to accumulate hazardous waste in a container that is in good condition. (40 CFR 262.34(d)(2); 265.171.) 22 CCR 66262.34(d)(2)
	☐	3030015 Failed to accumulate or store hazardous waste in a lined/compatible container. (40 CFR 262.34(d)(2); 265.172) 22 CCR 66262.34(d)(2)
	☐	3030017 Failed to properly close hazardous waste container(s). (40 CFR 262.34(d)(2); 265.173.) 22 CCR 66262.34(d)(2)
	☐	3030019 Failed to inspect hazardous waste storage area at least weekly. (40 CFR 262.34(d)(2); 265.174.) 22 CCR 66262.34(d)(2)
	☐	3030022 Failed to properly separate incompatible waste. (40 CFR 262.34(d)(2); 265.177.) 22 CCR 66262.34(d)(2)
	☐	3030030 Failed to maintain and/or operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents. (40 CFR 262.34(d)(4), 265.31.) 22 CCR 66262.34(d)(2)
	☐	3030036 Failed to maintain adequate aisle space. (40 CFR 262.34(d)(4); 265.35.) 22 CCR 66262.34(d)(2)
	☐	3010022 Failed to post, next to the telephone, emergency information containing the location of emergency equipment, contact names, and numbers. (40 CFR 262.34(d)(5)(ii).) 22 CCR 66262.34(d)(2)
	☐	3020001 Failed to ensure employees are trained for hazardous waste handling, compliance with regulations, and emergency response procedures. (40 CFR 262.34(d)(5)(iii).) 22 CCR 66262.34(d)(2)
	☐	3030032 Failed to maintain or have emergency equipment, supplies, or equivalents. 1) An internal communication or alarm system; 2) A device, such as a telephone; 3) Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure (40 CFR 262.34(d)(4); 265.32) 22 CCR 66262.34(d)(2)
	☐	3030039 Failed to implement contingency plan during an emergency, spill/ release. (40 CFR 262.34(d)(5)(iv).) 22 CCR 66262.34(d)(2)

Hazardous Waste Tank Systems for SQGs ONLY

	☐	3030024 Failed to maintain sufficient freeboard of 2 ft in uncovered tanks to prevent overtopping unless the tank is equipped with a containment structure, a drainage control system or a diversion structure with a capacity that equals or exceeds the volume of the top 2 ft of the tank. (40 CFR 62.34(d)(3); 265.201(b)(c).) 22 CCR 66262.34(d)(2)
	☐	3030025 Failed to provide an overfill protection device on continuously fed hazardous waste tank. (40 CFR 262.34(d)(3); 265.201(b)(4).) 22 CCR 66262.34(d)(2)
	☐	3030027 Failed to conduct daily tank inspection of the discharge system, monitoring equipment, and tank level. (40 CFR 265.201(c)(1), 265.201(c)(2), 265.201(c)(3), 262.34(d)(3).) 22 CCR 66262.34(d)(2)
	☐	3030028 Failed to conduct weekly inspections of the construction materials, fixtures, and surrounding areas of the hazardous waste tank. (40 CFR 265.201(c)(4); 265.201(c)(5); 262.34(d)(3).) 22 CCR 66262.34(d)(2)
	☐	3050007 Failed to properly decontaminate and document closure of a hazardous waste tank system. (40 CFR 265.201(f).) 22 CCR 67383.3
	☐	HMD 1612 Hazardous waste improperly stored in a tank system causing leaks, corrosion, or failure. (40 CFR 265.201(b).) 22 CCR 66262.34(d)
	☐	HMD 1614 Failed to pre-notify the CUPA in writing prior to closing a hazardous waste tank system. 22 CCR 67383.3(a)(1)
	☐	HMD 1615 Failed to properly accumulate ignitable or reactive waste in a tank system. (40 CFR 265.201(g).) 22 CCR 66262.34(d)(2)

Hazardous Waste Requirements for SQGs and LQGs
RECORD KEEPING/OPERATIONAL REQUIREMENTS

#	VIOLATION DESCRIPTION
☐	3010001 Unified Program Facility (UPF) permit not obtained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905
☐	3010029 The facility has not submitted complete and accurate facility information in CERS. HSC 25404(e)(4); 27 CCR 15188(b)
☐	3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12
☐	3010008 Failed to properly complete a uniform hazardous waste manifest. 22 CCR 66262.23(a)
☐	3010009 Failed to complete the hazardous waste manifest Exception Requirement. 22 CCR 66262.42
☐	3010010 Failed to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a)
☐	3010011 Failed to send hazardous waste manifest copies to the Department of Toxic Substances Control (DTSC). 22 CCR 66262.23(a)(4)
☐	3010013 Failed to meet the consolidated manifesting requirements for waste shipment. HSC 25160.2; 22 CCR 66262.40(a)
☐	3010014 Failed to retain disposal records of spent lead batteries for 3 years. 22 CCR 66266.81(a)(4)(B)
☐	3030006 Failed to determine if a hazardous waste is restricted or prohibited from land disposal. 22 CCR 66268.7(a)
☐	3010016 Failure of recycler who recycles more than 100 kilograms per month of recyclable material under a claim that the material qualifies for exclusion or exemption to provide and submit in CERS the required information. HSC 25143.10(a), (c), and/or (d)
☐	HMD 0149 Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130
☐	HMD 0148 Failed to have copies of analytical records, waste analysis records, and/or waste determination results for 3 years. 22 CCR 66262.40(c)
☐	HMD 0140 Failed to have Land Disposal Restriction documentation onsite for 3 years. 22 CCR 66268.7(a)(8)
☐	3250005 Failed to obtain a Treatment, Storage and Disposal Facility (TSDF) permit or authorization to store/treat/dispose of hazardous waste. HSC 25201(a)
☐	3050005 Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Materials. HSC 25143.2(f); 22 CCR 66261.2(g)
☐	3210001 Failed to notify the CUPA in CERS for onsite hazardous waste treatment/tiered permitting. HSC 25201(a)
☐	HMD 0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a)

Hazardous Waste Requirements for SQGs and LQGs
DISPOSAL AND TRANSPORTATION

☐	3010007 Failed to prepare a hazardous waste manifest for the transport of a waste for off-site transfer, treatment, storage, or disposal. HSC 25160(b)(1) or (2), 25160.2(b)(9); 22 CCR 66262.20(a)
☐	3030005 Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)
☐	3050001 Failed to use a California registered hazardous waste transporter to transport hazardous waste. HSC 25163(a); 22 CCR 66263.41
☐	3050002 Failed to properly dispose of hazardous waste at an authorized facility. HSC 25189.5(a); 25189(c),(d); 25189.2(c)
☐	3130002 Impermissible dilution of hazardous waste. 22 CCR 66268.3(a)
☐	HMD 0305 Disposed of used oil illegally. HSC 25250.5(a); 25189.5(a); 25189(c),(d); 25189.2(c)
☐	HMD 0306 Disposed of hazardous waste latex paint improperly. HSC 25217.1

Hazardous Waste Requirements for SQGs and LQGs
STORAGE AND HANDLING

#	VIOLATION DESCRIPTION
☐	3030001 Failed to meet requirements, when handling, and storing spent lead acid batteries. 22 CCR 66266.81(a)(1)
☐	3030003 Failed to properly manage 'damaged' spent lead acid batteries. 22 CCR 66266.81(b)
☐	3030004 Failed to properly manage, store, label, and/or recycle used oil filters and/or used fuel filters. HSC 25250.22; 22 CCR 66266.130
☐	3050004 Failed to properly manage contaminated used oil as a hazardous waste. HSC 25250.7(a), (c)
☐	HMD 0222 Failed to properly label Excluded Recyclable Materials (ERM). HSC 25143.9(a).
☐	HMD 0216 Failed to label hazardous material container within 10 days after the container was discovered to be mislabeled or inadequately labeled. HSC 25124(b)(3)(A); 22 CCR 66262.34(f)
☐	HMD 0217 Failed to repackage damaged/deteriorated hazardous material container within 96 hours. HSC 25124(b)(3)(B); 22 CCR 66262.34(f)
☐	HMD 0221 Failed to comply with hazardous waste satellite container regulation. 22 CCR 66262.34(e)
☐	HMD 0223 Failed to properly empty container, failed to manage non-empty container, or inner liner removed from a container. 22 CCR 66261.7(b), (d) and/or (r); 66262.34(f)
☐	HMD 0224 Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 22 CCR 66261.7(e),(f)

Universal Waste Handler Requirements

☐	3010004 Failed to obtain an EPA ID number from DTSC or US EPA prior to storing 5,000 kg or more of universal waste. 22 CCR 66273.32(a),(b)
☐	3020002 Failed to maintain universal waste handler training records for 3 years. 22 CCR 66273.36(c),(d)
☐	3020003 Failed to properly train handlers of universal waste in universal waste management and response procedures. 22 CCR 66273.36(a),(b)
☐	3030008 Failed to properly label or mark a universal waste (non-Conditionally Exempt Small Quantity Universal Waste Generator). 22 CCR 66273.34
☐	3030011 Failed to properly dispose of universal waste within one year. 22 CCR 66273.35(a) and/or (b)
☐	3030046 Failed to keep records of offsite universal waste (UW) shipment(s) available for inspection for 3 years. HSC 25185(a); 22 CCR 66273.39(c), (d)(2)
☐	3030051 Failed to meet the accumulation standards for universal waste aerosol containers and waste handling. HSC 25201.16(f)
☐	3040004 Failed to manage universal waste in a manner to prevent release(s) to the environment. 22 CCR 66273.33; 66273.33.5
☐	3050003 Disposal of universal waste (UW) to an unauthorized point. HSC 25189.5(a), 25189(c),(d); 25189.2(c); 22 CCR 66273.31(a)

Each violation checked below is for the section(s) of the California Health and Safety Code (HSC) or San Diego County Code ("SDCC") indicated in italics. Incorporated provisions of Title 40 of the Code of Federal Regulations (CFR) are noted for reference. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use a DEH Corrective Action Form (HM-926) or other correspondence to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions.

GENERAL APSA FACILITY REQUIREMENT
(Chapters 6.67 and 6.11 of Division 20 of the HSC)

VIOLATION DESCRIPTION

- ☐ 4010001 Failed to prepare and implement a written spill prevention control and countermeasures (SPCC) Plan in accordance with 40 CFR Part 112 (sec. 112.3). HSC 25270.4.5(a)
- ☐ 4010013 Plan does not conform to and/or facility is not fully implementing, the latest version of the regulations in 40 CFR Part 112. HSC 25270.4.5(a) (see detail below)
- ☐ 4010032 Failed to submit a tank facility statement or update/certify business plan annually. HSC 25270.6(a)(1) or (a)(2)
- ☐ 4010033 Failed to pay the APSA program fee or obtain Unified Program Facility Permit. HSC 25270.6(b), SDCC 68.905
- ☐ 4040001 Failed to immediately, upon discovery, report a one-barrel (42 gallons) or greater release of petroleum. HSC 25270.8
- ☐ 4010038 Failed to report required program data electronically. HSC 25404(e)(4), HSC 25270.6(b), SDCC 68.905
- ☐ 4010037 Failed to meet provisions of APSA exemption for oil-filled electrical equipment including containment and visual inspection. HSC 25270.2(a)(4)

REQUIREMENTS BASED ON 40 CFR 112.1-112.6

- ☐ 4010035 Failed to meet the conditions of a Qualified Facility. (40 CFR 112.3(a)(1), 112.3(g), 112.6.) HSC 25270.4.5(a)
- ☐ 4010003 Failed to have a professional engineer certify and review the SPCC Plan. (40 CFR 112.3(d).) HSC 25270.4.5(a)
- ☐ 4010008 Failed to maintain a copy of the Plan on site (applies if facility is manned at least 4 hours/day). (40 CFR 112.3(e)(1).) HSC 25270.4.5(a)
- ☐ 4010010 Failed to make SPCC plan technical amendment(s) when the facility has had a change in: design, construction, operation, or maintenance which affects the facility's discharge potential. (40 CFR 112.5(a).) HSC 25270.4.5(a)
- ☐ 4010009 Failed to perform a 5-year review of the SPCC Plan. (40 CFR 112.5(b).) HSC 25270.4.5(a)
- ☐ 4010011 Failed to have a professional engineer certify technical amendments. (40 CFR 112.5(c). HSC 25270.4.5(a)

GENERAL SPCC REQUIREMENTS
BASED UPON 40 CFR 112.7

- ☐ 4010012 Failed to prepare a SPCC plan that follows the sequence of rule and/or to cross-reference; failed to prepare plan in writing; failed to prepare a plan that addresses additional procedures/methods/equipment not fully operational. (40 CFR 112.7 and 112.7(a)(1).) HSC 25270.4.5(a)
- ☐ 4010002 Failed to obtain facility management approval to commit resources to fully implement the SPCC Plan. (40 CFR 112.7.) HSC 25270.4.5(a)
- ☐ 4010014 Failed to discuss alternative environmental protection to SPCC requirements within SPCC Plan. (40 CFR 112.7(a)(2).) HSC 25270.4.5(a)
- ☐ 4010015 Failed to have an adequate facility diagram, including location of oil storage/transfer areas and connecting pipes, or no facility diagram included in SPCC plan. (40 CFR 112.7(a)(3).) HSC 25270.4.5(a)
- ☐ 4010016 Failed to adequately describe the physical layout of facility, including location of oil storage/transfer areas/connecting pipes or no description of physical layout included in SPCC Plan. (40 CFR 112.7(a)(3), 112.7(a)(3)(i-vi).) HSC 25270.4.5(a)

GENERAL SPCC REQUIREMENTS
BASED UPON 40 CFR 112.7 (continued)

VIOLATION DESCRIPTION

- ☐ 4010017 Plan does not contain procedures for reporting a discharge if facility has no Facility Response Plan. (40 CFR 112.7(a)(4).) HSC 25270.4.5(a)
- ☐ 4010018 Discharge procedures are not adequately addressed if facility has no Facility Response Plan. (40 CFR 112.7(a)(5).) HSC 25270.4.5(a)
- ☐ 4010019 Failed to include prediction of the direction, rate of flow, and total quantity of oil which could be discharged from facility as a result of each type of equipment failure in the SPCC Plan. (40 CFR 112.7(b).) HSC 25270.4.5(a)
- ☐ 4010020 General Containment: Failed to provide, or discuss within the plan, appropriate containment/diversionary structures/equipment designed to address the typical failure, so that any discharge will not escape containment before cleanup occurs. (40 CFR 112.7(c).) HSC 25270.4.5(a)
- ☐ 4010004 Failed to have a professional engineer clearly denote and demonstrate the impracticability of appropriate containment/diversionary structures. (40 CFR 112.7(d).) HSC 25270.4.5(a)
- ☐ 4010005 Failed to prepare an Oil Spill Contingency Plan following the provisions of 40 CFR Part 109 for impracticability claim. This is not required if facility has a Facility Response Plan. (40 CFR 112.7(d)(1).) HSC 25270.4.5(a)
- ☐ 4010006 Failed to provide a written commitment of manpower, equipment, materials for impracticability claim. (40 CFR 112.7(d)(2).) HSC 25270.4.5(a)
- ☐ 4010021 Failed to address in SPCC plan/maintain complete records of: inspections, tests/procedures for 3 years. (40 CFR 112.7(e), 112.8(c)(6).) HSC 25270.4.5(a)
- ☐ 4020001 Failed to train oil-handling personnel on operation/maintenance of equipment to prevent discharges; discharge procedure protocols; applicable laws, rules, and regulations; general facility operations; AND the contents of the SPCC Plan. (40 CFR 112.7(f)(1).) HSC 25270.4.5(a)
- ☐ 4010022 Failed to designate person accountable for discharge prevention who reports to facility management. (40 CFR 112.7(f)(2).) HSC 25270.4.5(a)
- ☐ 4010023 Failed to conduct annual discharge prevention briefings to ensure understanding of SPCC plan. (40 CFR 112.7(f)(3).) HSC 25270.4.5(a)
- ☐ 4030001 Failed to address security of oil handling areas/valves, prevent unauthorized access to starter controls, cap/blank flange connections not in service and provide appropriate lighting to prevent vandalism and assist in discovery of discharges. (40 CFR 112.7(g).) HSC 25270.4.5(a)
- ☐ 4030002 Failure of the secondary containment, and/or rack drainage to flow to a catchment basin, treatment system, or quick drainage system and hold at least the maximum capacity of the largest single compartment of any tank car or tank truck. (40 CFR 112.7(h)(1).) HSC 25270.4.5(a)
- ☐ 4030003 Failed to provide system to prevent vehicular departure before disconnect from transfer lines. (40 CFR 112.7(h)(2).) HSC 25270.4.5(a)
- ☐ 4030004 Failed to inspect lowermost drains and outlets prior to filling and departure of tank car or tank truck. (40 CFR 112.7(h)(3).) HSC 25270.4.5(a)
- ☐ 4030016 Failed to evaluate field-constructed storage tank for brittle fracture and take appropriate action. (40 CFR 112.7(i).) HSC 25270.4.5(a)
- ☐ 4010007 Failed to include discussion of conformance with requirements listed in 40 CFR Part 112. (40 CFR 112.7(j).) HSC 25270.4.5(a)

SPCC REQUIREMENTS BASED UPON 40 CFR 112.8

Refer to APSA (HSC Chapter 6.67) for definition of "storage tank"

#	VIOLATION DESCRIPTION
☐	4010027 Failure to restrain drainage from diked storage areas by valves to prevent discharge. (40 CFR 112.8(b)(1).) HSC 25270.4.5(a)
☐	4030005 Failure to use valves of manual, open and closed design, for drainage of diked areas. (40 CFR 112.8(b)(2).) HSC 25270.4.5(a)
☐	4030008 Facility drainage system from undiked areas not designed/equipped to retain oil or return to facility and/or failed to ensure catchment basin not in an area subject to flooding. (40 CFR 112.8(b)(3), 112.8(b)(4).) HSC 25270.4.5(a)
☐	4030009 Failed to provide at least two lift pumps and permanently install one pump where drainage waters are treated in more than one treatment unit and such treatment is continuous. (40 CFR 112.8(b)(5).) HSC 25270.4.5(a)
☐	4030012 Storage tanks not compatible with materials stored or conditions such as pressure/temperature. (40 CFR 112.8(c)(1).) HSC 25270.4.5(a)
☐	4030010 (Sized Containment) Secondary containment not sized to contain the entire capacity of the largest single storage tank plus freeboard for precipitation. (40 CFR 112.8(c)(2).) HSC 25270.4.5(a)
☐	4030013 Failure to ensure diked areas are sufficiently impervious to contain discharged oil. (40 CFR 112.8(c)(2).) HSC 25270.4.5(a)
☐	4030011 Failed to keep containment bypass valves closed when not draining rainwater. (40 CFR 112.8(c)(3)(i).) HSC 25270.4.5(a)
☐	4030006 Failed to inspect retained rainwater prior to discharge. (40 CFR 112.8(c)(3)(ii).) HSC 25270.4.5(a)
☐	4030007 Failed to open and close bypass valve to drain rainwater under responsible supervision. (40 CFR 112.8(c)(3)(iii).) HSC 25270.4.5(a)
☐	4010026 Failed to maintain adequate records (or NPDES permit records) of drainage from diked areas. (40 CFR 112.8(c)(3)(iv).) HSC 25270.4.5(a)
☐	4030017 Failed to provide corrosion protection for partially buried storage tanks. (40 CFR 112.8(c)(5).) HSC 25270.4.5(a)
☐	4030015 Failed to test or inspect each storage tank for integrity, in accordance with industry standards that take into account size, configuration, and design, on a regular schedule or after material repairs. (40 CFR 112.8(c)(6).) HSC 25270.4.5(a)
☐	4030014 Failed to perform scheduled storage tank tests and inspections by appropriately qualified personnel. (40 CFR 112.8(c)(6).) HSC 25270.4.5(a)
☐	4010028 Failed to frequently inspect the outside of each storage tank for signs of deterioration, discharges, accumulation of oil in diked areas, including supports/foundations; failed to keep records of inspections, tests and comparison records. (40 CFR 112.8(c)(6).) HSC 25270.4.5(a)
☐	4030018 Failure of steam return/exhaust of internal heating coils, which discharge into an open water course, to be monitored, passed through a settling tank, skimmer, or other separation system. (40 CFR 112.8(c)(7).) HSC25270.4.5(a)
☐	4030019 Failed to provide each storage tank with a high level monitoring device, or implement procedures to prevent discharges caused by overfills, in compliance with 40 CFR Part 112. (40 CFR 112.8(c)(8)(i-iv).) HSC 25270.4.5(a)
☐	4030022 Failed to regularly test liquid level sensing devices to ensure proper operation. (40 CFR 112.8(c)(8)(v).) HSC 25270.4.5(a)
☐	4030023 Failure to frequently observe effluent treatment facilities, which discharge directly to navigable waters, to detect oil spills. (40 CFR 112.8(c)(9).) HSC 25270.4.5(a)
☐	4030021 Failed to promptly correct visible discharges and/or remove accumulations of oil in diked areas. (40 CFR 112.8(c)(10).) HSC 25270.4.5(a)
☐	4030024 (For mobile or portable storage tanks AND mobile refuelers) Failed to locate mobile or portable containers to prevent discharge. (40 CFR 112.8(c)(11).) HSC 25270.4.5(a)
☐	4030020 (For mobile or portable storage tanks EXCEPT mobile refuelers) Failed to provide secondary containment sufficient to contain the capacity of the largest single compartment or container with sufficient freeboard for precipitation. (40 CFR 112.8(c)(11).) HSC 25270.4.5(a)

SPCC REQUIREMENTS BASED UPON 40 CFR 112.8 (continued)

Refer to APSA (HSC Chapter 6.67) for definition of "storage tank"

#	VIOLATION DESCRIPTION
☐	4030025 Failed to inspect buried piping when exposed for any reason; failed to do additional examination or take corrective action if corrosion damage is identified. (40 CFR 112.8(d)(1).) HSC 25270.4.5(a)
☐	4030027 Failed to provide corrosion protection for buried piping. (40 CFR 112.8(d)(1).) HSC 25270.4.5(a)
☐	4030028 Failed to cap/blank-flange piping connection at transfer point and mark its origin if not in service. (40 CFR 112.8(d)(2).) HSC 25270.4.5(a)
☐	4030029 Failed to design pipe supports to minimize abrasion/corrosion and to allow for expansion/contraction. (40 CFR 112.8(d)(3).) HSC 25270.4.5(a)
☐	4030026 Failed to regularly inspect aboveground valves, piping, and appurtenances. (40 CFR 112.8(d)(4).) HSC 25270.4.5(a)
☐	4030030 Failed to conduct integrity and leak test on buried piping at installation, modification, construction, relocation or replacement. (40 CFR 112.8(d)(4).) HSC 25270.4.5(a)
☐	4030031 Failed to adequately warn vehicles entering facility to protect piping and other transfer operations. (40 CFR 112.8(d)(5).) HSC 25270.4.5(a)

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

Large Quantity Generators (LQG) of Hazardous Waste

Each violation checked below is for the section(s) of the California Health and Safety Code (HSC), California Code of Regulations (CCR), or the San Diego County Code (SDCC) indicated in italics. . All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. DTSC = Department of Toxic Substances Control; RCRA = Resource Conservation and Recovery Act; LQG = Large Quantity Hazardous Waste Generator; VOC = Volatile Organic Compound

Hazardous Waste Requirements for LQGs ONLY

RECORDKEEPING/OPERATIONAL REQUIREMENTS

#	VIOLATION DESCRIPTION
☐ 3010018	Failed to prepare a hazardous waste management performance report every 4 years. 22 CCR 67100.7, 67100.8
☐ 3010019	Failed to prepare a summary progress report (4 year req.) and/or keep onsite available for review. 22 CCR 67100.9, 67100.3
☐ 3010021	Failed to adequately complete a source reduction report and maintain for review. HSC 25244.19, 25244.21; 22 CCR 67100.3, 67100.4, 67100.5
☐ 3110007	(RCRA LQG) Failed to complete the Biennial Report by March 1st on even numbered year and maintain it onsite for 3 years. 22 CCR 66262.40(b), 66262.41(b)

STORAGE AND HANDLING

☐ 3130003	Failed to properly label/date hazardous waste container or tank. 22 CCR 66262.34(f), 66262.34(a)(2), 66262.34(a)(3)
☐ 3130004	Accumulated hazardous waste more than 90 days without a DTSC storage permit. HSC 25201(a); 22 CCR 66262.34(a) and (c)
☐ 3130005	Failed to transfer waste from a container that is in poor condition to another container that is in a good condition. 22 CCR 66265.171
☐ 3130006	Failed to accumulate hazardous waste in a lined or compatible container. 22 CCR 66265.17
☐ 3130007	Failed to keep a hazardous waste container closed. 22 CCR 66265.173(a)
☐ 3130008	Failed to inspect hazardous waste storage area(s) at least weekly. 22 CCR 66265.174
☐ 3130009	Failed to keep reactive and/or ignitable waste at least 50 ft. from the property line. 22 CCR 66265.176
☐ 3130010	Failed to properly separate incompatible waste. 22 CCR 66265.17(b), 66265.177
☐ 3130013	Failed to maintain or operate the facility to minimize the possibility of a fire, explosion, or release of hazardous waste or its constituents to the air, soil, or water. 22 CCR 66265.31
☐ HMD 0235	Did not accumulate hazardous waste in a container or tank. 22 CCR 66262.34(a)(1)(A)

TRAINING, CONTINGENCY PLAN & ER PROCEDURES

☐ 3110011	Failed to prepare a written Contingency Plan to minimize human hazards or threat to the environment. 22 CCR 66265.51(a)
☐ 3110012	Failed to maintain onsite a copy of the Contingency Plan and all its revisions and submit a copy to the local emergency agencies that may be called upon to provide emergency services. 22 CCR 66265.53
☐ 3120001	Failed to maintain training records. 22 CCR 66265.16(d) and (e)
☐ 3130015	Failed to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment. 22 CCR 66265.33
☐ 3130016	Failed to maintain aisle space to allow the unobstructed movement of personnel, fire protection, spill-control equipment, etc. to any area of facility operation in an emergency. 22 CCR 66265.35
☐ 3130017	Failed to take precautions to prevent accidental ignition or reaction of ignitable or reactive waste, including the posting of a "No Smoking" sign(s). 22 CCR 66265.17(a)
☐ 3130018	Failed to immediately implement the facility Contingency Plan during an emergency. 22 CCR 66265.51(b)
☐ HMD 0402	Employee training program not adequate. 22 CCR 66265.16(a) and/or (b)
☐ HMD 0413	Contingency plan content is missing information and/or listing of required actions or descriptions. 22 CCR 66265.52
☐ HMD 0414	Failed to train employees at least annually. 22 CCR 66265.16(c)
☐ HMD 0415	Failed to equip facility with required emergency equipment, internal communication system, and/or spill response equipment. 22 CCR 66265.32
☐ HMD 0417	Failed to have an emergency coordinator on call or available during emergency. 22 CCR 66265.55

Hazardous Waste Tank System for LQGs ONLY

#	VIOLATION DESCRIPTION
☐ 3110013	Failed to obtain and maintain a written assessment certified by an independent, qualified, registered professional engineer for the hazardous waste tank system. 22 CCR 66265.192(a), 66265.192(h), or 66265.191(a)
☐ 3110014	Hazardous waste tank system assessment documentation failed to include all required information. 22 CCR 66265.192(k)
☐ 3110015	Failed to obtain CUPA approval prior to the replacement of equipment for a tank system. 22 CCR 66265.192(l), 66265.192(m)
☐ 3130011	Failed to maintain tank operating requirements: 1) Spill prevention control; 2) Overfill prevention control, and/or; 3) maintenance of sufficient freeboard in uncovered tanks. 22 CCR 66265.194(a),(b)
☐ 3130012	Failed to conduct daily inspections and/or maintain the inspection records for hazardous waste tank system. 22 CCR 66265.195(a)(c)
☐ 3130019	Failed to provide proper secondary containment and/or leak detection for hazardous waste tank system. 22 CCR 66265.193(a)
☐ 3130020	Failed to inspect and document the cathodic protection system within six months after initial installation, and annually thereafter, and to inspect all sources of impressed current at least bimonthly. 22 CCR 66265.195(b)
☐ 3140001	Failed to properly respond to a tank system spill/leak, follow emergency procedures as required and/or keep secondary containment empty. 22 CCR 66265.56, 66265.196, 66265.194(c)
☐ 3150002	Failed to properly close a hazardous waste tank system ensuring the minimization of further maintenance and requirements are met. 22 CCR 66265.111, 66265.114, 66265.197, 67383.3
☐ HMD 1604	Failed to maintain secondary containment empty. 22 CCR 66265.196(b) and (c); 66265.194(c)
☐ HMD 1607	Failed to adequately design or maintain corrosion protection. 22 CCR 66265.191(b)(3) or 66265.192(a) and (f)
☐ HMD 1608	Failed to complete annual integrity assessment for existing hazardous waste tank system without secondary containment. 22 66265.191(a)(e)
☐ HMD 1609	Failed to remove unfit hazardous waste tank system from service. 22 CCR 66265.196
☐ HMD 1611	Failed to properly complete and/or document closure of a hazardous waste tank system. 22 CCR 67383.3, 66265.197(a), (b)
☐ HMD 1619	Failed to have required safety measures for hazardous waste tank system holding ignitable or reactive waste. 22 CCR 66265.198(a)(b)
☐ HMD 1620	Failed to immediately remove from service a hazardous waste tank system that leaked or failed. 22 CCR 66265.196(b),(c)
☐ HMD 1621	Failed to notify DTSC when a release to environment occurred from a hazardous waste tank system. 22 CCR 66265.196(e)(1)or(3)
☐ HMD 1622	Failed to meet air emission standards for HW tank system with VOC waste. 22 CCR 66265.202 and 66265.1082 (a)(b) or (c)
☐ HMD 1623	Failed to develop written plan and schedule to perform VOC emissions monitoring. 22 CCR 66265.1089(b)
☐ HMD 1624	Failed to comply with the 3 year record keeping requirement for tank accumulating VOC waste. 22 CCR 66265.1090(a)
☐ HMD 1625	Failed to properly control air pollutant emissions for tank accumulating VOC waste. 22 CCR 66265.202, 66265.1083(b) and 66265.1085(b)

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

FACILITY NAME: **BOB STALL CHEVROLET**
ADDRESS: **7601 ALVARADO RD**
CITY/ZIP: **LA MESA** /**91941**

INSPECTION DATE: **10/21/2015**
RECORD ID #: **DEH2002-HUPFP-102651**
SPECIALIST: **Griffin, Donelle**
INSPECTION CONTACT: **Alan Dobbins**
TITLE: **Parts Manager**
PHONE: **(619) 415-4813**
E-MAIL: **adobbins@bobstall.com**

VIOL#	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach Any Supporting Documentation)	DUE DATE
#**1** 1010004			11/20/2015

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE		DATE SIGNED
TITLE OF FACILITY REPRESENTATIVE			

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO THE ADDRESS LISTED BELOW

COUNTY OF SAN DIEGO USE ONLY

REVIEWED BY: _____ DATE: _____

SPECIALIST'S COMMENTS:

☐ All violations noted on date listed above were corrected

☐ Based On Information Provided By The Facility ☐ RTC entered by Specialist on: _____

☐ Based On Field Verification By Specialist ☐ RTC entered by Office Assistant on: _____

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

FACILITY NAME: **BOB STALL CHEVROLET**
ADDRESS: **7601 ALVARADO RD**
CITY/ZIP: **LA MESA** /**91941**

INSPECTION DATE: **09/25/2017** PAGE **1** OF **7**
RECORD ID #: **DEH2002-HUPFP-102651**
TIME START: **1:20 PM** END: **3:45 PM**
SPECIALIST: **Donelle Griffin**
INSPECTION CONTACT: **Alan Dobbins**
TITLE: **Parts Manager**
PHONE: **(619) 415-4813**
E-MAIL: **adobbins@bobstall.com**

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Yes	N/A		Yes	N/A	
☒	☐	Unified Program Facility Permit Current	☒	☐	Contingency Plan Available ☒ LQG ☐ SQG
☒	☐	Hazardous Materials Business Plan Available	☒	☐	Employee Training Records Available
☒	☐	Employee Training is Adequate	☒	☐	Universal Waste Managed Properly
☒	☐	Waste Disposal Records Available for Review	☒	☐	Waste Containers ☒ Closed ☒ Labeled
☒	☐	Emergency Contacts Current ☐ Updated today	☒	☐	Waste Containers in Good Condition
☐	☐	Chemical Inventory/Map Current ☐ Updated today			Permit Expires On 12/31/2017

CONSENT TO CONDUCT INSPECTION GRANTED BY: Alan Dobbins TITLE: Parts Manager

INTRODUCTION:
The Hazardous Materials Division (HMD) is the Certified Unified Program Agency (CUPA) for the County of San Diego, regulating businesses that manage hazardous waste, hazardous materials, aboveground petroleum storage tanks, and underground storage tanks. The HMD also acts as the local enforcement agency for the Medical Waste Management Act (MWMA).

Routine compliance inspection for hazardous waste generation, Hazardous Materials Business Plan (HMBP) and Above Ground Petroleum Storage Act. Bob Stall Chevrolet is a dealership that has vehicle repair/maintenance and auto body shops on site.

Facility is a large quantity hazardous waste generator that generates per year:
Waste Oil ~10,000 gal., Waste Coolant ~1200 gal., Waste Fuel ~220 gal., Waste Brake Fluid ~ 30 gal. Waste Solvents ~300 gal., Waste Absorbent/Non-metal Filters 500 lbs., Waste Paint Related Materials ~115 gal., and Waste Sanding Dust ~200 lbs.
EPA# CAR000015479 is active at time of inspection per the DTSC on-line database.

On site at the time of this inspection in reportable quantities:
New Oil 1595 gal. (1 x 360, 1 x 220 gal.,8 x 120 gal. tanks and 1 x 55 gal. drum), Waste Oil 1 x 480 gal. tank, Soaps and Cleaners 220 gal. (4 x 55 gal. drums), Waste Antifreeze 165 gal. (3 x 55 gal. drums), Waste Solvent 1 x 55 gal., Windshield Washer Fluid 110 gal. (2 x 55), Paint Thinner (1 x 55 gal.), Waste Oily Absorbent /Non-Metal Filters 2 x 55 gal. drums ~300 lbs., Sanding Dust/ Waste 1x 55 gal.,and1 x 55 gal. drum Paint Related Waste.

On site but at below reportable quantities:
Helium 2 x 300 cu ft., Argon/CO2 mix 2 x 100 cu ft., and Argon 1 x 60 cu ft.

SPCC Plan on site and up to date, next five year review required 07/21/2019. Inspections records on site for monthly inspections of all tanks & drums and daily inspections of hazardous waste oil tank.

VIOLATION # 1
1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508(a)(1)(A); 25508.1(a-b); 19 CCR 2654 (a) or (d)

Classification: Minor

Observations:
Inaccurate information in CERS: largest container for new oil is 360 gal., not 840 gal. as listed; Waste code for non-metal used oil filters is missing (223, or 352 normally)

Corrective Action Due By:10/25/2017
Log into CERS on-line database, make required changes, and resubmit in CERS. Complete the Corrective Action Form attached and send to donelle.griffin@sdcounty.ca.gov or FAX to her attention @ 858-505-6786.

INSPECTION REMARKS:
Helpful Websites:
• For guidance documents on hazardous materials-related topics,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_publications.html
• For information on the California Environmental Reporting System (CERS),
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_cers.html
• If you have questions on: permit fees, business plan requirements, or hazardous waste regulations,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat.html
• To find out the latest San Diego County News and receive updates, subscribe to our govdelivery emails:
https://public.govdelivery.com/accounts/CASAND/subscriber/new

If you have any questions regarding this inspection, please contact Donelle Griffin ,858-260-1898, Donelle.Griffin@sdcounty.ca.gov

INSPECTION PHOTOS
None

All regulated businesses are required by law to submit their Unified Program-related information and business updates online through the California Environmental Reporting System (CERS). For additional information about CERS, go to: http://www.sandiegocounty.gov/deh/hazmat/hmd_cers.html

PRINTED NAME OF FACILITY REPRESENTATIVE **Alan Dobbins**	SIGNATURE		DATE SIGNED **09/25/2017**
TITLE OF FACILITY REPRESENTATIVE **Parts Manager**			

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

Handlers of Hazardous Materials and Small and Large Quantity Generators of Hazardous Waste

FACILITY NAME: *BOB STALL CHEVROLET

ADDRESS: * 7601 ALVARADO RD CITY/ZIP: *LA MESA 91941

Each violation checked below is for the section(s) of the California Health and Safety Code (HSC), California Code of Regulations (CCR), or the San Diego County Code (SDCC) indicated in italics. Incorporated provisions of Title 40 of the Code of Federal regulations (CFR) are noted for reference. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. HMBP = Hazardous Materials Business Plan; CUPA = Certified Unified Program Agency; CERS = California Environmental Reporting System; SQG = Small Quantity Hazardous Waste Generator; LQG = Large Quantity Hazardous Waste Generator

HAZARDOUS MATERIALS REQUIREMENTS

#		VIOLATION DESCRIPTION
	☐ 1010001	HMBP not established/ implemented. HSC 25505(a) and 25507(a)
	☐ 1010002	HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a),(b),(d)
	☐ 1010003	Business Activities &/or Business Owner/Operator page not completed in CERS. 19 CCR 2652(a)(1); HSC 25404(e)(4); SDCC 68.904(b)
1	☒ 1010004	Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508(a)(1)(A); 25508.1(a-b); 19 CCR 2654 (a) or (d)
	☐ 1010005	Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508(a)(1)(A); 25508.1(f); 19 CCR 2652(a)(3)
	☐ 1010006	Failed to update HMBP in CERS within 30 days of a substantial change to any portion of the HMBP, including inventory changes or facility information. HSC 25508.1(a-f); 19 CCR 2654(d); SDCC 68.904(c)(6)
	☐ 1010008	HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)
	☐ 1010010	Emergency response procedures to mitigate a release or threatened release not adequate, not established or not submitted in CERS. HSC 25505(a)(3), 25508(a)(1)(A); 19 CCR 2658
	☐ 1010011	Failure to notify property owner in writing that the business is subject to the HMBP program. HSC 25505.1
	☐ 1010012	Failure to provide a copy of HMBP to the property owner within five working days upon request from property owner. HSC 25505.1
	☐ 1010014	Failure to submit emergency response plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
	☐ 1010015	Failure to submit employee training plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
	☐ 1010016	HMBP not established or submitted in CERS, when not meeting the remote site exemption. HSC 25507.2 and 25508(a)(1)(A)
	☐ 1020001	Employee training plan for hazardous materials management not adequate, not established or not submitted in CERS. HSC 25505(a)(4) and 25508(a)(1)(A); 19 CCR 2659(a)
	☐ 1020002	Initial &/or annual employee training not conducted for hazardous materials management &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)
	☐ 1040001	Hazardous materials release or threatened release not reported to the CUPA and OES immediately upon discovery. HSC 25510(a); 19 CCR 2631(a)
	☐ HMD1001	Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905; 68.906, 68.907
	☐ HMD1005	Emergency contact not provided or current in CERS. HSC 25508.1(f); SDCC 68.904(b)
	☐ HMD1007	Highly toxic gas (TLV<10 ppm) not disclosed. SDCC 68.1113(b)
	☐ HMD1008	Annual carcinogen/reproductive toxin list not submitted. SDCC 68.1113(c)
	☐ 1010017	HMBP not readily available to facility personnel or the CUPA. HSC 25505(c)

HAZARDOUS WASTE REQUIREMENTS FOR SQGS ONLY

#		VIOLATION DESCRIPTION
	☐ HMD0226	Did not accumulate waste in a container or tank. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2)
	☐ 3030007	Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)
	☐ 3030010	Accumulated waste too long (>180 or 270 days) or (>90 days). HSC 25201(a); 22 CCR 66262.34(d); 40 CFR 262.34(e) and (f)
	☐ 3030013	Failed to accumulate hazardous waste in a container that is in good condition. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.171
	☐ 3030015	Failed to accumulate or store hazardous waste in a lined &/or compatible container. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.172
	☐ 3030017	Failed to properly close hazardous waste container(s). 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.173
	☐ 3030019	Failed to inspect hazardous waste storage area at least weekly. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.174
	☐ 3030022	Failed to properly separate incompatible waste. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.177
	☐ 3030030	Failed to maintain &/or operate facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4), 265.31
	☐ 3030036	Failed to maintain adequate aisle space. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4); 265.35
	☐ 3010022	Failed to post, next to the telephone, emergency information containing the location of emergency equipment, contact names and phone numbers. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(ii)
	☐ 3020001	Failure to ensure employees are trained on hazardous waste regulations related to proper waste handling and emergency response procedures. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(iii)
	☐ 3030032	Failed to maintain the following emergency response equipment or equivalent: 1) An internal communication or alarm system; 2) A communication device, such as a telephone; 3) Portable fire extinguishers, fire/spill control equipment and decontamination equipment; and 4) Water at adequate volume and pressure. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4); 265.32
	☐ 3030039	Failed to have an emergency coordinator on call or available during an emergency. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(i)
	☐ HMD0412	Failed to implement contingency plan during an emergency, spill/release. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(5)(iv)

HAZARDOUS WASTE TANK SYSTEMS FOR SQGS ONLY

#		VIOLATION DESCRIPTION
	☐ 3030024	Failed to operate uncovered tanks to ensure at least 2 ft. of freeboard to prevent overtopping, unless the tank is equipped with a containment structure, a drainage control system, or a diversion structure with a capacity that equals or exceeds the volume of the top 2 ft. of the tank. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3), 265.201(b)(c)
	☐ 3030025	Failed to provide an overfill protection device on continuously fed hazardous waste tank(s). 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(3); 265.201(b)(4)

☐ 3030027	Failed to conduct daily tank inspection of discharge control system, monitoring equipment and waste level. 22 CCR 66262.34(d)(2); 40 CFR 265.201(c)(1-3), 262.34(d)(3)
☐ 3030028	Failed to conduct weekly hazardous waste tank inspection to ensure that the construction materials, fixtures and surrounding areas of the tank are in good condition. 22 CCR 66262.34(d)(2); 40 CFR 265.201(c)(4-5), 262.34(d)(3)
☐ 3050007	Failed to properly decontaminate and document closure of a hazardous waste tank system. 22 CCR 67383.3; 40 CFR 262.34(d)(3), 265.201(f)
☐ HMD1612	Hazardous waste improperly stored in a tank system causing leaks, corrosion, or failure. 22 CCR 66262.34(d)(2); 40 CFR 265.201(b)
☐ HMD1614	Failed to pre-notify the CUPA in writing prior to closing a hazardous waste tank system. 22 CCR 67383.3(a)(1)
☐ HMD1615	Failed to properly accumulate ignitable or reactive waste in a tank system. 22 CCR 66262.34(d)(2); 40 CFR 265.201(g)

HAZARDOUS WASTE REQUIREMENTS FOR SQGS AND LQGS

RECORD KEEPING/OPERATIONAL REQUIREMENTS

#	VIOLATION DESCRIPTION
☐ HMD0131	Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905
☐ HMD0150	Failed to submit complete and accurate Facility Information in CERS. HSC 25404(e)(4); 27 CCR 15188(b-c); SDCC 68.904(b)
☐ 3030053	Failed to maintain waste analysis records, analytical records &/or waste determination results for at least 3 years. 22 CCR 66262.40(c)
☐ 3010002	Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)
☐ 3010008	Failed to properly complete a uniform hazardous waste manifest. 22 CCR 66262.23(a)
☐ 3010009	Failed to submit an Exception Report to DTSC for hazardous waste manifest. HSC 25123.3(h)(2); 22 CCR 66262.42
☐ 3010010	Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)
☐ 3010011	Failed to send copy of the uniform hazardous waste manifest to DTSC within 30 days of shipment. 22 CCR 66262.23(a)(4)
☐ 3010013	Failed to meet the consolidated manifesting requirements for waste shipment. HSC 25160.2; 22 CCR 66262.40(a)
☐ 3010014	Failed to retain disposal records of spent lead-acid batteries for 3 years. 22 CCR 66266.81(a)(4)(B)
☐ 3030006	Failed to determine if a hazardous waste is restricted or prohibited from land disposal. 22 CCR 66268.7(a)
☐ 3010016	Failure of recycler who recycles more than 100 kilograms per month of a recyclable material to submit the biennial Recyclable Materials Report (RMR) in CERS when claiming exclusion or exemption. HSC 25143.10(a), (c) &/or (d)
☐ HMD0149	Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130
☐ HMD0152	Failed to submit/report in CERS chemical inventory information for hazardous waste and/or medical waste, and keep up to date. SDCC 68.904(a)(2)
☐ HMD0140	Failed to have Land Disposal Restriction documentation onsite for 3 years. 22 CCR 66268.7(a)(8)
☐ 3250005	Failed to obtain a Treatment, Storage and Disposal Facility (TSDF) permit or authorization to store/treat/dispose of hazardous waste. HSC 25201(a)
☐ 3050005	Failed to have adequate records demonstrating claim of exemption or exclusion for recyclable materials. HSC 25143.2(f); 22 CCR 66261.2(g)
☐ HMD0142	Failed to notify the CUPA in CERS for onsite hazardous waste treatment/tiered permitting. HSC 25201(a)
☐ HMD0138	Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a)

DISPOSAL AND TRANSPORTATION

#	VIOLATION DESCRIPTION
☐ 3010007	Failed to prepare a hazardous waste manifest for the transport of a waste for off-site transfer, treatment, storage, or disposal. HSC 25160(b)(1) or (2), 25160.2(b)(9); 22 CCR 66262.20(a)
☐ 3030005	Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)
☐ 3050001	Failed to use a DTSC registered hazardous waste transporter to transport hazardous waste. HSC 25163(a); 22 CCR 66263.41
☐ 3050002	Failed to properly dispose of hazardous waste at an authorized facility. HSC 25189.5(a); 25189(c),(d); 25189.2(c)
☐ HMD0308	Impermissible dilution of hazardous waste. 22 CCR 66268.3(a)
☐ HMD0305	Disposed of used oil illegally. HSC 25250.5(a); 25189.5(a); 25189(c),(d); 25189.2(c)
☐ HMD0306	Failed to properly dispose of hazardous waste latex paint. HSC 25217.1

STORAGE AND HANDLING

#	VIOLATION DESCRIPTION
☐ 3030001	3030001 Failed to meet the management requirements when handling or storing spent lead-acid batteries. 22 CCR 66266.81(a)
☐ 3030003	Failed to properly manage 'damaged' spent lead acid batteries. 22 CCR 66266.81(b)
☐ 3030004	Failed to properly manage, store, label &/or recycle used oil filters &/or used fuel filters. HSC 25250.22; 22 CCR 66266.130
☐ 3050004	Generator intentionally contaminated used oil with another hazardous waste other than minimal amounts of fuel. HSC 25250.7(a), (c)
☐ HMD0222	Failed to properly label Excluded Recyclable Materials (ERM) accumulated in a container or tank. HSC 25143.9(a)
☐ HMD0216	Failed to label hazardous material container within 10 days after the container was discovered to be mislabeled or inadequately labeled. HSC 25124(b)(3)(A); 22 CCR 66262.34(f)
☐ HMD0217	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. HSC 25124(b)(3)(B); 22 CCR 66262.34(f)
☐ HMD0219	Failed to properly segregate used oil &/or fuel drained from filters. HSC 25250.22(b)(4); 22 CCR 66266.130(c)(6)
☐ 3030057	Failed to comply with hazardous waste satellite container regulation. 22 CCR 66262.34(e)
☐ HMD0023	Failed to properly empty container, failed to manage non-empty container, or inner liner removed from a container. 22 CCR 66261.7(b-e) &/or (r)
☐ 3030058	Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 22 CCR 66261.7(f)

UNIVERSAL WASTE HANDLER REQUIREMENTS

#	VIOLATION DESCRIPTION
☐ 3010004	Failed to obtain a California ID Number from DTSC or federal ID Number from USEPA prior to accumulating 5,000 kgs or more of Universal Waste. 22 CCR 66273.32(a-b)

☐	HMD0151	Failed to maintain universal waste handler training records for 3 years. 22 CCR 66273.36(c),(d)
☐	3020003	Failed to properly train handlers of universal waste in universal waste management and response procedures. 22 CCR 66273.36(a),(b)
☐	3030008	Failed to properly label or mark Universal Waste container (excluding CESQUWG) 22 CCR 66273.34
☐	3030011	Failed to properly dispose of Universal Waste within one year. 22 CCR 66273.35(a) &/or (b)
☐	HMD0147	Failed to keep records of offsite Universal Waste shipment(s) available for inspection for 3 years. 22 CCR 66273.39(c),(d)(2)
☐	3030051	Failed to meet accumulation &/or containment standards for Universal Waste aerosol containers. HSC 25201.16(f)
☐	3040004	Failed to manage universal waste in a manner to prevent release(s) to the environment. 22 CCR 66273.33; 66273.33.5
☐	HMD0307	Disposal of universal waste (UW) to an unauthorized point. HSC 25189.5(a), 25189(c),(d); 25189.2(c); 22 CCR 66273.31(a), 66273.8(b)
☐	3010005	Failure of a universal handler of electronic devices or CRTs from an offsite source to notify DTSC 30 days prior to acceptance. 22 CCR 66273.32(c)

Each violation checked below is for the section(s) of the California Health and Safety Code (HSC), California Code of Regulations (CCR), or the San Diego County Code (SDCC) indicated in italics. Incorporated provisions of Title 40 of the Code of Federal regulations (CFR) are noted for reference. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. HMBP = Hazardous Materials Business Plan; CUPA = Certified Unified Program Agency; CERS = California Environmental Reporting System; SQG = Small Quantity Hazardous Waste Generator; LQG = Large Quantity Hazardous Waste Generator

HAZARDOUS WASTE REQUIREMENTS FOR LQGS ONLY

RECORDKEEPING/OPERATIONAL REQUIREMENTS

#	VIOLATION DESCRIPTION
☐ 3110008	Failed to prepare a source reduction evaluation review and plan. 22 CCR 67100.4(a), HSC 25244.19(a)
☐ 3110009	Failed to prepare a summary progress report. 22 CCR 67100.9(a)
☐ 3110010	Failed to complete a hazwaste management performance report and maintain for review. HSC 25244.20(a), 25244.21(a)
☐ 3110007	(RCRA LQG) Failed to complete the Biennial Report by March 1st on even numbered year and maintain it onsite for 3 years. 22 CCR 66262.40(b), 66262.41(b)

STORAGE AND HANDLING

#	VIOLATION DESCRIPTION
☐ 3130003	Failed to properly label/date hazardous waste container or portable tank. 22 CCR 66262.34(f), 66262.34(a)(2), 66262.34(a)(3)
☐ 3130004	Accumulated hazardous waste more than 90 days without a DTSC storage permit. HSC 25201(a); 22 CCR 66262.34(a) and (c)
☐ 3130005	Failed to transfer waste from a container that is in poor condition to another container that is in a good condition. 22 CCR 66265.171
☐ 3130006	Failed to accumulate hazardous waste in a lined or compatible container. 22 CCR 66265.17
☐ 3130007	Failed to keep a hazardous waste container or portable tank closed. 22 CCR 66265.173(a)
☐ 3130008	Failed to inspect hazardous waste storage area(s) at least weekly. 22 CCR 66265.174
☐ 3130009	Failed to keep reactive and/or ignitable waste at least 50 ft. from the property line. 22 CCR 66265.176
☐ 3130010	Failed to properly separate incompatible waste. 22 CCR 66265.17(b), 66265.177
☐ 3130013	Failed to maintain or operate the facility to minimize the possibility of a fire, explosion, or release of hazardous waste or its constituents to the air, soil, or water. 22 CCR 66265.31
☐ HMD0235	Did not accumulate hazardous waste in a container or tank. 22 CCR 66262.34(a)(1)(A)

TRAINING, CONTINGENCY PLAN & ER PROCEDURES

#	VIOLATION DESCRIPTION
☐ 3110011	Failed to prepare a written Contingency Plan to minimize human hazards or threat to the environment. 22 CCR 66265.51(a)
☐ 3110012	Failed to maintain onsite a copy of the Contingency Plan and all its revisions and submit a copy to the local emergency agencies that may be called upon to provide emergency services. 22 CCR 66265.53
☐ 3120001	Failed to maintain training records. 22 CCR 66265.16(d-e)
☐ 3130015	Failed to test and maintain all communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment. 22 CCR 66265.33
☐ 3130016	Failed to maintain aisle space to allow the unobstructed movement of personnel, fire protection, spill-control equipment, etc. to any area of facility operation in an emergency. 22 CCR 66265.35
☐ HMD0418	Failed to take precautions to prevent accidental ignition or reaction of ignitable or reactive waste, including the posting of a "No Smoking" sign(s). 22 CCR 66265.17(a)
☐ 3130018	Failed to immediately implement the facility Contingency Plan during an emergency or when a release occurs. 22 CCR 66265.51(b)
☐ HMD0402	Employee training program not adequate. 22 CCR 66265.16(a) and/or (b)
☐ HMD0413	Contingency plan content is missing information and/or listing of required actions or descriptions. 22 CCR 66265.52
☐ HMD0414	Failed to train employees at least annually. 22 CCR 66265.16(c)
☐ 3130014	Failed to equip facility with required emergency equipment, internal communication system, &/or spill response equipment. 22 CCR 66265.32
☐ HMD0417	Failed to have an emergency coordinator on call or available during emergency or when a release occurs. 22 CCR 66265.55

HAZARDOUS WASTE TANK SYSTEM FOR LQGS ONLY

#	VIOLATION DESCRIPTION
☐ 3110013	Failed to obtain and maintain a written assessment certified by an independent, qualified, registered professional engineer for the hazardous waste tank system. 22 CCR 66265.192(a), 66265.192(h), or 66265.191(a)
☐ 3110014	Hazardous waste tank system assessment documentation failed to include all required information. 22 CCR 66265.192(k)
☐ 3110015	Failed to obtain CUPA approval prior to the replacement of equipment for a tank system. 22 CCR 66265.192(l), 66265.192(m)
☐ 3130011	Failed to maintain tank operating requirements: 1) Spill prevention control; 2) Overfill prevention control, and/or; 3) maintenance of sufficient freeboard in uncovered tanks. 22 CCR 66265.194(a),(b)
☐ 3130012	Failed to conduct daily inspections and/or maintain the inspection records for hazardous waste tank system. 22 CCR 66265.195(a)(c)
☐ 3130019	Failed to provide proper secondary containment and/or leak detection for hazardous waste tank system. 22 CCR 66265.193(a)
☐ 3130020	Failed to inspect and document the cathodic protection system within six months after initial installation, and annually thereafter, and to inspect all sources of impressed current at least bimonthly. 22 CCR 66265.195(b)
☐ 3140001	Failed to properly respond to a tank system spill/leak, follow emergency procedures as required and/or keep secondary containment empty. 22 CCR 66265.56, 66265.196, 66265.194(c)
☐ 3150002	Failed to properly close a hazardous waste tank system ensuring the minimization of further maintenance and requirements are met. 22 CCR 66265.111, 66265.114, 66265.197, 67383.3
☐ HMD1604	Failed to maintain secondary containment empty. 22 CCR 66265.196(b) and (c); 66265.194(c)
☐ HMD1607	Failed to adequately design or maintain corrosion protection. 22 CCR 66265.191(b)(3) or 66265.192(a) and (f)
☐ HMD1608	Failed to complete annual integrity assessment for existing hazardous waste tank system without secondary containment. 22 66265.191(a) (e)

☐	HMD1609	Failed to remove unfit hazardous waste tank system from service. 22 CCR 66265.196
☐	HMD1611	Failed to properly complete and/or document closure of a hazardous waste tank system. 22 CCR 67383.3, 66265.197(a), (b)
☐	HMD1619	Failed to have required safety measures for hazardous waste tank system holding ignitable or reactive waste. 22 CCR 66265.198(a)(b)
☐	HMD1620	Failed to immediately remove from service a hazardous waste tank system that leaked or failed. 22 CCR 66265.196(b),(c)
☐	HMD1621	Failed to notify DTSC when a release to environment occurred from a hazardous waste tank system. 22 CCR 66265.196(e)(1)or(3)
☐	HMD1623	Failed to develop written plan and schedule to perform VOC emissions monitoring. 22 CCR 66265.1089(b)
☐	HMD1624	Failed to comply with the 3 year record keeping requirement for tank accumulating VOC waste. 22 CCR 66265.1090(a)
☐	HMD1625	Failed to properly control air pollutant emissions for tank accumulating VOC waste. 22 CCR 66265.202, 66265.1083(b) and 66265.1085(b)
☐	3130026	Failed to meet emissions control standards for HW tank system with VOC waste. 22 CCR 66265.202 and 66265.1082 (a)(b) or (c)
☐	3130022	Failed to label stationary hazardous waste tank as hazardous waste and mark with accumulation start date. 22 CCR 66262.34(f)(2-3)
☐	3130025	Failure to comply with VOC emission requirements for containers and/or a portable tank. 22 CCR 12 66262.34(a)(1); 66265.178
☐	HMD1626	Failed to implement emergency procedures for a hazwaste tank system or secondary containment from which there has been a leak or spill. 22 CCR 66265.196(a)

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

FACILITY NAME: **BOB STALL CHEVROLET**
ADDRESS: **7601 ALVARADO RD**
CITY/ZIP: **LA MESA** /**91941**

INSPECTION DATE: **09/25/2017**
RECORD ID #: **DEH2002-HUPFP-102651**
SPECIALIST: **Donelle Griffin**
INSPECTION CONTACT: **Alan Dobbins**
TITLE: **Parts Manager**
PHONE: **(619) 415-4813**
E-MAIL: **adobbins@bobstall.com**

VIOL#	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach Any Supporting Documentation)	DUE DATE
#**1** 1010004			10/25/2017

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE		DATE SIGNED
TITLE OF FACILITY REPRESENTATIVE			

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO THE ADDRESS LISTED BELOW

COUNTY OF SAN DIEGO USE ONLY

REVIEWED BY: _____ DATE: _____

SPECIALIST'S COMMENTS:

☐ All violations noted on date listed above were corrected

☐ Based On Information Provided By The Facility ☐ RTC entered by Specialist on: _____

☐ Based On Field Verification By Specialist ☐ RTC entered by Office Assistant on: _____

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

CLERICAL WORK SHEET

H02651/AT0585

DATE	COMMENTS	INITIALS
10/2/86	PLANS DISAPPROVED & MAILED	MOV
2/10/88	SEE AT1124	MOV
6/28/90	Ted Anasis of Michael Brandman Associates	
	here to view file per Written Request	CK.
3/20/91	V PR (0) items	HD
3/27/91	Steve Kwik of Leighton & Assoc here to review	
	file per written request	HD
7/23/92	S Fenby	SF

FILE PER WRITTEN REQUEST

DHS:HM-95 [illegible] 85

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

PLAN CHECK # 470585

10/2/86

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT UNIT

PLAN CHECK CORRECTIONS AND COMMENTS FOR UNDERGROUND STORAGE TANK FACILITY

SITE NAME: LA MESA RV

SITE ADDRESS: 7601 ALVARADO RD LA MESA 92041

DESCRIPTION OF PROPOSED ACTION: TANKS TO BE REMOVED

BEFORE APPLICATION IS PROCESSED THE FOLLOWING MUST BE CORRECT

1- PROVIDE PRIMARY CONTRACTOR INFORMATION

2- PROVIDE FIRE DEPT PERMIT APPLICATION

3- WHAT IS FUTURE USE DISPOSAL SITE OF TANK

4- HOW MANY TANKS ARE TO BE REMOVED?

5- PROVIDE PLOT PLAN SHOWING LOCATION OF TANKS

MIKE VERNETTI

236-2222

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

FOR HMMU USE:
Plan Check # A70585
Date Received 9/30/86
Fee Paid 120.00
Plan Approval
Estab #
Hydro Unit
Benef. Use

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

A. SITE ADDRESS: 7601 ALVARADO RD (Street) LAMESA (City) 92041 (Zip Code)

B. PROPERTY OWNER:
Company LAMESA RV Contact John Michaud
Mailing Address 7601 ALVARADO RD City LAMESA Zip 92041
Phone (619) 462 5660
24 Hr. Emergency Contact 462-5660 Phone ( )

C. TANK OPERATOR:
Company LAMESA RV Contact
Mailing Address City Zip
Phone ( )
24 Hr. Emergency Contact Phone ( )

D. CONTRACTOR:
Primary Contractor TAKING Contact
Mailing Address STILL BIDS City Zip
Phone ( )
State Contractor License No.
Worker's Compensation Insurance Company Phone ( )

Check Here if Owner/Builder: ☐

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS:

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Unit, Room 311, 1700 Pacific Highway, San Diego, CA 92101. Checks should be made payable to the County of San Diego.

A permit will be issued by the Department of Health Services (DHS) upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in this application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit has been issued.

Once the permit has been issued, it is the permittee's responsibility to notify the DHS at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III and IV).

F. Indicate the Company/Person you wish to have our plan check comments directed to by circling the appropriate section letter above or if different enter below.

John Michaud

G. PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE (TABLE H.)	CODES FOR OFFICE USE ONLY
[ ] Installation/Construction of new tank(s) only (without removing/abandoning any existing tanks.)	I & II	1	NT
[ ] Removal/Destruction of existing tanks with installation of new tanks (tank replacement).	I, II & III	1 & 2	NR
[X] Removal/Destruction of existing tank(s) with no new tank installation.	I & III	2	AT
[ ] Removal only of one tank less than 1000 gallon with no new tank installation.	I & III	4	AT
[ ] Repiping of an existing tank facility.	I & II (Sections E thru N Only)	3	NM
[ ] Interior coating of an existing tank facility.	I & IV	1	NM

H. FEES: The fees shown below cover plan review and approval and the required field inspections. Use the appropriate Fee Code as determined in Section G above.

Fee Code

[1] Base fee for one tank ($310) Fee: $ _____

Fee for additional tanks ($85 each) Fee: $ _____

[2] Fee to abandon 1 tank ($120) Fee: $ 120.00

Fee for additional abandoned tanks ($60 each) Fee: $ _____

[3] Fee per Facility ($260) (Repipe Only) Fee: $ _____

[4] Fee to remove only one tank less than 1000 gallons ($50) Fee: $ _____

TOTAL FEE: $ 120.00

CASH _____ CHECK # _____

I. PERMITS REQUIRED BY OTHER AGENCIES:

Application #'s:
Fire Dept. ✓ APCD _____ Bldg. Dept. _____ Cal OSHA _____ Other _____

Provide copies of approved applications from other agencies requiring permits for this project.

- END OF PART I -

County of San Diego
Department of Health Services

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PART III

APPLICATION FOR PERMIT TO ABANDON

Complete all sections of Part III. If information is not known or applicable please indicate on application.

A. Total number of tanks to be abandoned 1

B. Tank Information - Complete the following information for each tank to be abandoned. Attach additional sheets as necessary.

Tank Number (Label tanks on plot plan to correspond to application)		1	2	3	4
Tank Capacity (gallons)		?	?	?	2K
Date Tank Installed		?	?	?	?
Tank Composition (Steel, Fiberglass, Fiberglass Coated Steel, Concrete, etc.)		STEEL	STEEL	STEEL	STEEL
Tank Manufacturer		?	?	?	?
Tank Presently in Use? (Yes-No)		YES	YES	YES	NO
Materials Stored in Tank	Material: dates:	OIL to	OIL to	OIL to	Ø to
	Material: dates:	to	to	to	to
Has Tank System Leaked? (Yes, No, Not Known)	Tank	NO	NO	NO	NO
	Piping	NOT KNOWN	NOT KNOWN	NOT KNOWN	NOT KNOWN
Basis of determination (Inventory records, tank system testing/monitoring, environmental monitoring)					
Is any part of the system cathodically protected? (Yes-No-Not Known)					
	Tank	?	?	?	?
	Piping Lines	?	?	?	?
Piping materials					

C. PREVIOUS OWNERS AND OPERATORS OF THE TANK(S):

Dates	Owner/Operator

D. Approximate depth to groundwater: NOT KNOWN

Basis of Determination: _____

E. Proposed method of abandonment: |☑| Removal |☐| Destruction in place

NOTE: Removal of the tank(s) is the preferred method of abandonment. Destruction of the tank in place, for example, by filling with an inert substance, will only be considered in special cases upon submittal of additional information to determine the risks and hazards of contamination. Additional information required includes recent tank testing results, soils data, special site characteristics and approval from the local Fire Department.

F. Future use/disposal site of tank: _____

G. ATTACH A PLOT PLAN ON 8-1/2" x 11" paper showing the following:

1. Property Lines, Site Address, Scale, North Arrow
2. Location of 100 year flood plain, if applicable
3. Location of all existing and proposed structures
4. Location of all existing and proposed underground storage tank facilities
5. Location of underground tank(s) to be abandoned (number tanks to correspond to application)
6. Location of underground utility lines and vaults

H. REQUIRED INSPECTION - PERMIT TO ABANDON

A representative of the Department of Health Services (DHS) must be on site at the time the tank(s) is removed from the ground to evaluate the condition of the tank and the surrounding soil and/or groundwater. Any evidence of an unauthorized release of a hazardous material from the tank will require the submittal of additional information by the permittee to the DHS.

When a permit has been issued by the DHS to destroy a tank in place, the DHS will inspect to verify that the tank has been properly emptied and purged of all hazardous materials immediately prior to filling with an approved inert substance.

I. I declare that to the best of my knowledge and belief the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Department of Health Services.

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for future development (e.g., soil compaction testing) are in addition to the requirements of the Department of Health Services.

I will notify the Department of Health Services at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of San Diego.

Signature & Title _____

Print Name John Michaud

Telephone (619) 462-5060 Date 9/23/86

H02651

CLERICAL WORK SHEET

H02651/AT1124

DATE	COMMENTS	INITIALS
2/10/88	PLANS APPROVED TO REMOVE 4 TANKS	MDV
6-15-88	EDP Submitted for Removal of 4 tanks	
	Tanks removed 2-22-88	JG
6/28/90	~~[illegible]~~ TEd Anasia of Michael Brandman	
	Associates here to view file per written Request	CK.
3/20/91	✓ PR (0) items	JA
3/27/91	Steven Kunik of Leighton & Assoc here to review file	
	per written request	HD
7/23/92	J Fenby [illegible] PER WRITTEN REQUEST	JG

DHS:HM-961 (1/86)

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

File

HAZARDOUS MATERIALS MANAGEMENT UNIT
ABANDONED UNDERGROUND TANK REPORT

EST. # H02651
P.C. # AT 1124

[X] YES FIRE AGENCY [ ] NO
FIRE AGENCY PERMIT # _____
JURISDICTION _____
PHONE _____
C.G.I. 1% LEL

OF TANKS TO BE ABANDONED FOUR PHONE _____
SITE NAME/ADDRESS LA MESA RV 7601 ALVARADO RD ZIP 92041
CONTRACTOR BOB ALM PHONE 561-6048

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
1. Tank ID #					
2. U/L #					
3. Capacity (Gallons)	550G	550G	550G	2000G	
4. Material Stored	W.O.	NEW OIL	NEW OIL	REG LEADED	GAS
5. Decontamination:	YES	→	→	→	
Manifest Available?	YES	→	→	→	
6. Tank Inerting: (CGIRDS)	YES	→	→	→	
Dry Ice/Nitrogen (Qty)	10lbs	→	→	30lbs	
7. Tank Condition (Holes)	HOLES BOTTOM	HOLES BOTTOM	HOLES	HOLES	
8. Condition of Back Fill & Type	SAND/SOIL DISCOLORED	→	→	SAND/SOIL DARK/GAS	ODOR
9. Condition of Native Soil/Type	CLAY COBBLES	→	→	→	
10. Odors From Excavation?	NONE	→	→	GAS	
11. Ponded Product?	NOT	OBSERVED	→	→	
12. Ground Water Contamination	SLIGHT ?	→	→	→	
13. Tank Closure in Place	NO	NO	NO	NO	
14. Pipeline Leak Evident?	NO	NO	NO	NO	
15. Reinspection Required?	NO	→	→	→	
16. Reinspection Receipt Available?	N/A	N/A	N/A	N/A	

REMARKS:
1) TANKS CLEANED BY TRIAD - TAKEN TO NELCO.
2) GROUND WATER OBSERVED AT ≈ 7' IN TANK HOLES.
3) OIL TANKS ALL HAD NUMEROUS HOLES ON THE BOTTOM
4) TANKS TO GO TO PACIFIC STEEL.
5) GAS TANK HAD MANY HOLES ON BOTTOM.

NOTICE: You are hereby notified that on 2/22/88, DOUG LIDERA, Hazardous Materials Specialist of County Department of Health Services, conducted an inspection for the removal and/or abandonment of underground storage tanks of hazardous substances. A summary of conditions found is noted as follows: FOUR

[ ] No indication of soil or groundwater contamination apparent this date. Excavation may be backfilled.

[X] The conditions noted below must be reported and corrected in accordance with Chapters 6.5 and 6.7 of the California Health and Safety Code and Chapters 9 and 10 of the San Diego County Code.

[ ] Hazardous substance/waste is ponded in the excavation. Immediately take steps to remove the ponded hazardous liquid from the excavation. This liquid is a hazardous waste that shall be properly transported, under manifest, by a licensed hazardous waste hauler to a licensed recycling or disposal facility.

[X] Contaminated soil and/or contaminated groundwater is suspected in the excavation. Determining the extent and impact of this contamination and completing any required clean-up is the responsibility of the tank owner/operator. Within 5 work days, the tank owner/operator or his agent must submit a written UNAUTHORIZED RELEASE REPORT to the Department of Health Services including all of the following information that is known at the time of filing the report:

a. Describe the type, quantity and concentration of the hazardous substance released.
b. Provide the results of all investigations completed at this time to determine the extent of soil, groundwater, or surface water contamination due to the release.
c. Describe the method of cleanup implemented to date, proposed cleanup actions, and approximate costs of actions taken to date.
d. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water. (If any contaminated soil/water is hauled off-site, include copies of the hazard waste manifests).
e. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of proposed activity schedule.

Subsequent mitigation actions will be discussed upon review of the submitted Report and consultation with other appropriate agencies.

- REFER TO REVERSE SIDE FOR ADDITIONAL INFORMATION/REQUIREMENTS -

Received by [signature]
Phone # 561-6048

[signature] Hazardous Materials Specialist Signature

County of San Diego
Department of Health Services
HMMU - 1700 Pacific Highway
San Diego, CA 92101-2489
(619) 236-2222

DHS:HM-9160 (11/86)

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

FOR HMMU USE:
Plan Check # AT1124
Date Received 2/9/88
Fee Paid $ 340
Plan Approval 2/10/88
Estab # H02651
Hydro Unit 7.1
Benef. Use YES

A. SITE ADDRESS: 7601 Alvarado Rd. (Street) La Mesa (City) 92041 (Zip Code)

B. PROPERTY OWNER:
Company La Mesa RV Center Contact Jim Buckner
Mailing Address 7601 Alvarado Rd. City La Mesa Zip 92041
Phone (619) 462-5660
24 Hr. Emergency Contact Jim Buckner Phone ( ) 462-5660

C. TANK OPERATOR:
Company La Mesa RV Center Contact Jim Buckner
Mailing Address 7601 Alvarado Rd. City La Mesa Zip 92041
Phone ( ) 462-5660
24 Hr. Emergency Contact Jim Buckner Phone ( ) 462-5660

D. CONTRACTOR:
Primary Contractor ALM SERVICES Contact Bob Alm
Mailing Address 8778 Burkshire Pl City Lakeside Zip 92040
Phone (619) 561-6048
State Contractor License No. 464087
Worker's Compensation Insurance Company Travelers Phone (619) 443-9181
Check Here if Owner/Builder: ☐

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS:

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Unit, Room 311, 1700 Pacific Highway, San Diego, CA 92101. Checks should be made payable to the County of San Diego.

A permit will be issued by the Department of Health Services (DHS) upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in this application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit has been issued.

Once the permit has been issued, it is the permittee's responsibility to notify the DHS at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III and IV).

F. Indicate the Company/Person you wish to have our plan check comments directed to by circling the appropriate section letter above or if different enter below.

G. PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE (TABLE H.)	CODES FOR OFFICE USE ONLY
[ ] Installation/Construction of new tank(s) only (without removing/abandoning any existing tanks.)	I & II	1	NT
[ ] Removal/Destruction of existing tanks with installation of new tanks (tank replacement).	I, II & III	1 & 2	NR
[X] Removal/Destruction of existing tank(s) with no new tank installation.	I & III	2	AT
[ ] Removal only of one tank less than 1000 gallon with no new tank installation.	I & III	4	AT
[ ] Repiping of an existing tank facility.	I & II (Sections E thru N Only)	3	NM
[ ] Interior coating of an existing tank facility.	I & IV	1	NM

H. FEES: The fees shown below cover plan review and approval and the required field inspections. Use the appropriate Fee Code as determined in Section G above.

Fee Code

[1] Base fee for one tank ($372) Fee: $ _____

Fee for additional tanks ($102 each) Fee: $ _____

[2] Fee to abandon 1 tank ($156) Fee: $ 156.—

Fee for additional abandoned tanks ($78 each) Fee: $ 234.—

[3] Fee per Facility ($312) (Repipe Only) Fee: $ _____

[4] Fee to remove only one tank less than 1000 gallons ($65) Fee: $ _____

TOTAL FEE: $ 390.—

CASH _____ CHECK # 2821

I. PERMITS REQUIRED BY OTHER AGENCIES:

Application #'s:
Fire Dept. ✓ APCD _____ Bldg. Dept. _____ Cal OSHA _____ Other _____

Provide copies of approved applications from other agencies requiring permits for this project.

- END OF PART I -

County of San Diego
Department of Health Services

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PART III

APPLICATION FOR PERMIT TO ABANDON

Complete all sections of Part III. If information is not known or applicable please indicate on application.

A. Total number of tanks to be abandoned 4

B. Tank Information - Complete the following information for each tank to be abandoned. Attach additional sheets as necessary.

Tank Number (Label tanks on plot plan to correspond to application)		1	2	3	4
Tank Capacity (gallons)		2000 gas	550 waste oil	550 waste oil	550 waste oil
Date Tank Installed		unknown	unknown	unknown	unknown
Tank Composition (Steel, Fiberglass, Fiberglass Coated Steel, Concrete, etc.)		steel	steel	steel	steel
Tank Manufacturer		unknown	unknown	unknown	unknown
Tank Presently in Use? (Yes-No)		no	yes	yes	yes
Materials Stored in Tank	Material: dates:	Gas ? to ?	w/o ? to 88	w/o ? to 88	w/o ? to 88
	Material: dates:	to	to	to	to
Has Tank System Leaked? (Yes, No, Not Known)	Tank	unknown	unknown	unknown	unknown
	Piping	"	"	"	"
Basis of determination (Inventory records, tank system testing/monitoring, environmental monitoring)			FAILED PRESSURE TESTS ON 11/18/88		
Is any part of the system cathodically protected? (Yes-No-Not Known)	Tank	no	no	no	no
	Piping Lines	"	"	"	"
Piping materials					

C. PREVIOUS OWNERS AND OPERATORS OF THE TANK(S):

Dates	Owner/Operator

D. Approximate depth to groundwater: unknown

Basis of Determination: _____

E. Proposed method of abandonment: |XX| Removal |__| Destruction in place

NOTE: Removal of the tank(s) is the preferred method of abandonment. Destruction of the tank in place, for example, by filling with an inert substance, will only be considered in special cases upon submittal of additional information to determine the risks and hazards of contamination. Additional information required includes recent tank testing results, soils data, special site characteristics and approval from the local Fire Department.

F. Future use/disposal site of tank: scrap

G. ATTACH A PLOT PLAN ON 8-1/2" x 11" paper showing the following:

1. Property Lines, Site Address, Scale, North Arrow
2. Location of 100 year flood plain, if applicable
3. Location of all existing and proposed structures
4. Location of all existing and proposed underground storage tank facilities
5. Location of underground tank(s) to be abandoned (number tanks to correspond to application)
6. Location of underground utility lines and vaults

H. REQUIRED INSPECTION - PERMIT TO ABANDON

A representative of the Department of Health Services (DHS) must be on site at the time the tank(s) is removed from the ground to evaluate the condition of the tank and the surrounding soil and/or groundwater. Any evidence of an unauthorized release of a hazardous material from the tank will require the submittal of additional information by the permittee to the DHS.

When a permit has been issued by the DHS to destroy a tank in place, the DHS will inspect to verify that the tank has been properly emptied and purged of all hazardous materials immediately prior to filling with an approved inert substance.

I. I declare that to the best of my knowledge and belief the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Department of Health Services.

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for future development (e.g., soil compaction testing) are in addition to the requirements of the Department of Health Services.

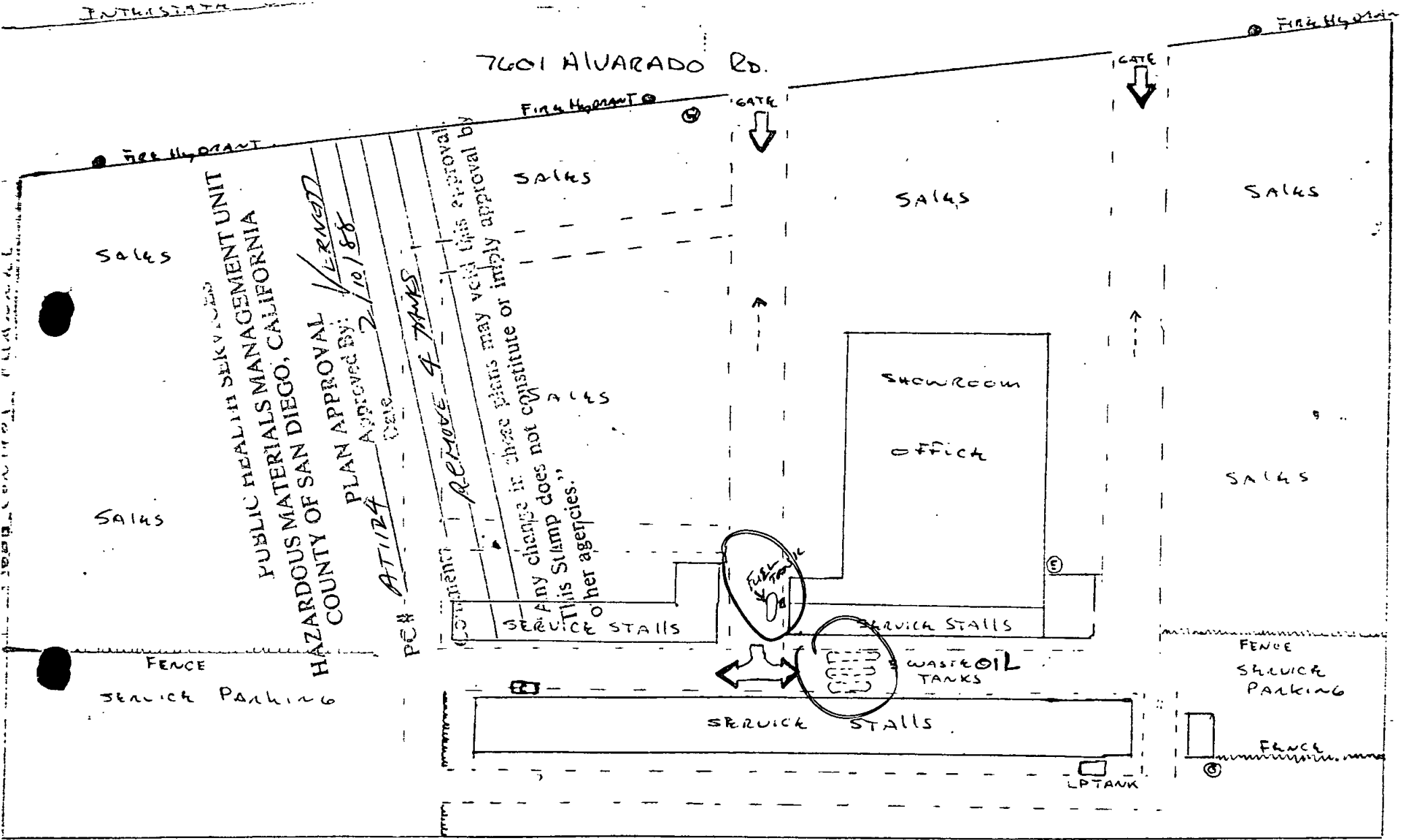
I will notify the Department of Health Services at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of San Diego.

Signature & Title [signature] Operations Mgr.

Print Name MARK CRAIG

Telephone ( ) 561-6048 Date 2-9-88

7601 ALVARADO RD.



THOMAS BROS. 62-C1

CLERICAL WORK SHEET

H12684

AT2244
KJ3-667.00

DATE	COMMENTS	INITIALS
4/5/91	Rec'd 667.00 FOR PERMIT TO REMOVE FOUR USTS	[illegible]
4/8/91	Plans approved	MP
06/13/91	Tank removed on 06/13/91 witnessed by R Rapista	[illegible]
6/17/91	Submitted EDP (T#001004) as req st 04	DC
06/27/91	Please reference SA/M 1722.	[illegible]
8-19-99	REVIEWED BY RYAN MARCOS OF PSI.	CMD
9-21-99	REVIEWED BY DAWN ROVE OF HARRY & JITTOE.	CMD
3-9-00	REVIEWED BY GERALD KELCAR OF KLEINFELDER.	CMD
4/26/01	Reviewed by Grant of GeoSyntec Consultants	[illegible]
	04-04-91 ~~10:26~~ 9148 918 429K23 ~~CHECK~~	011011 ~~CSHR02 14342~~ $667.00 ~~$667.00~~

DHS:HM-961 (1/86)

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

CLERICAL WORK SHEET

C2694

DATE	COMMENTS	INITIALS
5/12/86	Rcvd $409 / state $224 / cty $185	MH
11/17/86	No TEST RESULTS / UNKNOWN LEAK DETECTORS	
	APPROVED INTERIM PERMIT FOR 4 TANKS	
	(3 FUEL METHOD #5) (1 W.O. METHOD #7)	DB
12/29/89	BP rec'd — to P.C.	MSW
7/8/91	INACTIVE	RL
8-19-99	REVIEWED BY RYAN MARCOS OF PSI.	CND
9-21-99	REVIEWED BY DAWN ROVE OF MASRY & VITITOE.	CND
3-9-00	REVIEWED BY GERALD KELLAR OF KLEINFELDER.	CND
4/26/01	Reviewed by Geo Synter Consultants	JE
8/23/01	Rebecca Brewer	JE

HERE TO REVIEW FILE PER WRITTEN REQUEST

DHS:HM-961 (1/86)

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

CLERICAL WORK SHEET

ATE	COMMENTS	INITIA
10-2-87	Notice to Owner - Certified	rj
	URR LEAK site report to Owner	rj
	RWQCB Notification and Notice	rj
	RWQCB Notification to VG File (copy)	rj
	RWQCB Notification to INDUSTRIAL WASTE PROGRAM (copy)	rj
4/15/88	PAST DUE	MDV
9/9/88	DISCUSSED WITH CHEVRON (HAYNES) THEY WILL	
	SEND REPAIR STATEMENT	MDV
10/6/88	CLOSURE LETTER SUBMITTED	MDV
2/13/89	Precision test cover letter copied for	
	Michael Anselmo of MJA Consulting	Cheril
6/22/89	VFORPR	[illegible]
7/26/89	Brian Hobbs of SOTA here to rev file per written request	[illegible]
8-19-99	REVIEWED BY RYAN MARCOS OF PSI.	[illegible]
9-21-99	REVIEWED BY DAWN ROVE OF MASRY & VITITOE.	[illegible]
3~~8~~9.00	REVIEWED BY GERALD KELLAR OF KLEINFELDER.	[illegible]
4/26/01	Reviewed by Grant of GeoSyntec Consultants	JE

HAZARDOUS MATERIALS MANAGEMENT DIVISION
UNDERGROUND TANK REMOVAL/CLOSURE REPORT

T1170
T1172

FIRE AGENCY PRESENT? ☒ YES ☐ NO
PERMIT NO. _____
DEPT. LA MESA
% L.E.L. <5%

ESTABLISHMENT # H12657 PLAN CHECK # AT2244

SITE NAME CHEVRON PHONE 18003526939

SITE ADDRESS 7051 ALVARADO RD. CITY/ ZIP CODE 92041

CONTRACTOR HOEFER AND SONS PHONE 619 422 8700

NUMBER OF TANKS 4 ☒ REMOVAL ☐ CLOSURE IN PLACE

	TOO1 -	TOO2	TOO3	TOO4	REMARKS:
TANK EDP NUMBER					①TOO1 - HEAVY CORROSION-HEAVY PITTING
U/L TAG NUMBER	UNKNOWN	→	→		UNDERTANK - HOLES FOUND ON NORTH END.
CAPACITY (GALS)	1000	10K	10K	5K	TOO2, TOO3-TOO4 - MOD CORROSION SLIGHT
MATERIAL STORED	W O	GASOLINE	→	→	PITTING, NO HOLES OBSERVED.
DECONTAMINATION?	YES BY CROSBY + OVERTON				
MANIFEST AVAILABLE?	895406533	1000 GALLON	NO GIBSON		REF. ②PURGED WATER AT ~12.0' HEAVY
% LEL (CGI READING)	<5%	→	→		STAINING UNDER TOO2 TOO3 TOO4
DRY ICE/OTHER (AMT)	NONE	150 lbs	150 lbs	150 lbs	LARGE CONGLOMERATE AT ~ 15' STAINING
TANK CONDITION	SEE REMARKS (1)				O.N. END OF TOO1
BACKFILL SOIL TYPE	COARSE SAND W/ SMALL TO LARGE CONGLOMERATE.				HEAVY STAINING OBSERVED UNDER
BACKFILL CONDITION	NO DISCOLORATION OBSERVED				PRODUCT LINES LEADING INTO TANK EXCAVATION
NATIVE SOIL TYPE	REDDISH BROWN MEDIUM GRAINED SILTY SAND				
NATIVE CONDITION	SEE REMARKS (2)	→	→		③PURGED H2O AT ~12.0' - SHEEN NOTED
EXCAVATION ODORS?	NO	YES	→	→	UNDER TANKS TOO2, TOO3 TOO4
STOCKPILE ODORS?	NONE	SLIGHT	→	→	
PONDED PRODUCT?	SEE REMARKS (3)				
PIPELINE LEAK?	UNKNOWN	→	→	→	TANKS GOING TO SUB 2 OTAY RD.
REINSPECTION REQUIRED?	NO	→	→	→	HOEFER + SONS YARD TO BE SCRAPED. THEN TO PACIFIC STEEL.

NOTICE: You are hereby notified that on 10/13/91, a Hazardous Materials Specialist conducted an inspection for the closure of FOUR (4) hazardous substance underground storage tanks. A summary of the conditions follows:

☐ A determination of this site's status is pending receipt of Laboratory Analyses Results for samples taken this date. Results must be submitted within 30 days. To avoid delays, have the Laboratory send a copy of the results directly to _____ (print) of the (HMMD) see address below:

☒ Contamination of the excavation area has been noted by observations made during the tank removal this date. **BEGIN SITE ASSESSMENT PHASE**-(See reverse for details).

The Laboratory results have been reviewed by _____
(of the HMMD) on ___/___/___ and indicate the following:
☐ NO FURTHER ACTION IS REQUIRED.
☐ **BEGIN SITE ASSESSMENT PHASE** (See attached information).
Phone Contact _____ Date Form was Mailed ___/___/___

Received By _____

Printed Name WILLIAM M. LINES G.T. INC.
AGENT FOR CHEVRON U.S.A. INC.

Phone Number (619) 453 3415

(HMMD COPY)

Robert N. Reynolds
Hazardous Materials Specialist
County of San Diego
Department of Health Services
HMMD - P. O. Box 85261
San Diego, CA 92138-5261
(619) 338-2222

DHS:HM-916 (10/89)

Type(s) of hazardous substance(s) released: GASOLINE & POSSIBLY WASTE OIL

Is hazardous material ponded? NO - BUT H_2O W/SHEEN What is estimated amount? _____

Is amount of hazardous substance release known? NO Estimated amount? _____

What is estimated depth to ground water below the site? _____ feet

Is site located in a beneficial use area? YES

SOIL CONDITIONS:

Is backfill discolored? YES - UNDERTANK Estimated amount —

Is backfill saturated? YES - UNDERTANK W/ H_2O Estimated amount —

Is native soil stained? YES Estimated amount —

Is native soil saturated? NO Estimated amount —

Describe native soil type(s) REDDISH BROWN MEDIUM CLAYEY SAND

Condition of tank(s) (holes, corrosion, wrapping, seams) TOO1 - HEAVY CORROSION/HEAVY PITTING HOLES ON NORTH END - TOO2 → FOOT MASSIVE SLIGHT TO MOD CORROSION NO HOLES OBSERVED

Piping leak location UNKNOWN

Nearby water wells or surface waters? POSSIBLE IRRIGATION H_2O

Any known underground vaults, utilities or basements nearby? _____

FURTHER COMMENTS: HEAVY STAINING THROUGHOUT BOTTOM OF GASOLINE TANK EXCAVATION LARGE CONGLOMERATES AT ~15.0' - SHEEN NOTED ON PONDED WATER.

SEE 8½ x 11

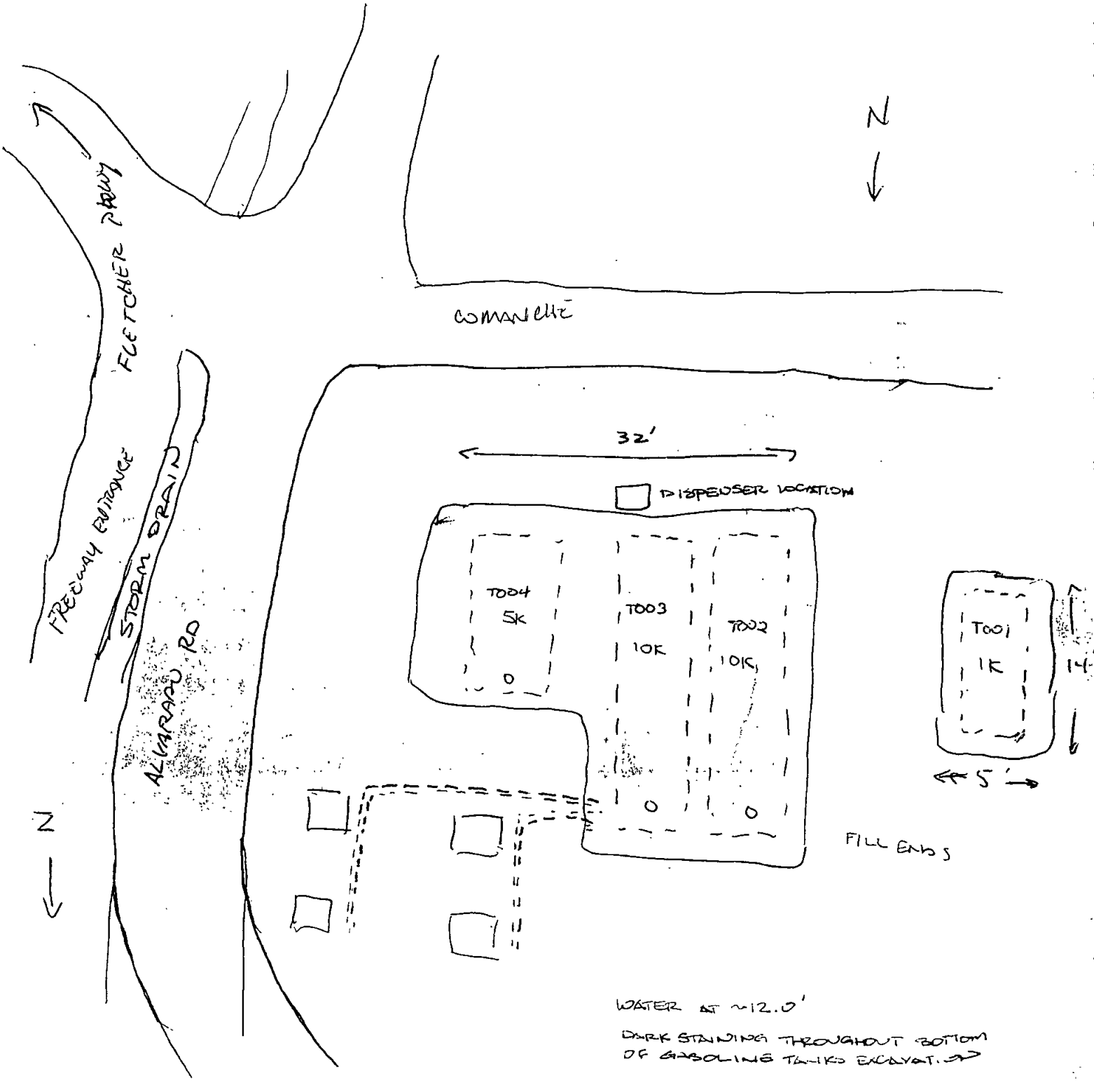
NORTH

(HMMD) **PLOT PLAN** EST. # H12687

DHS:HM-916 (10/89)

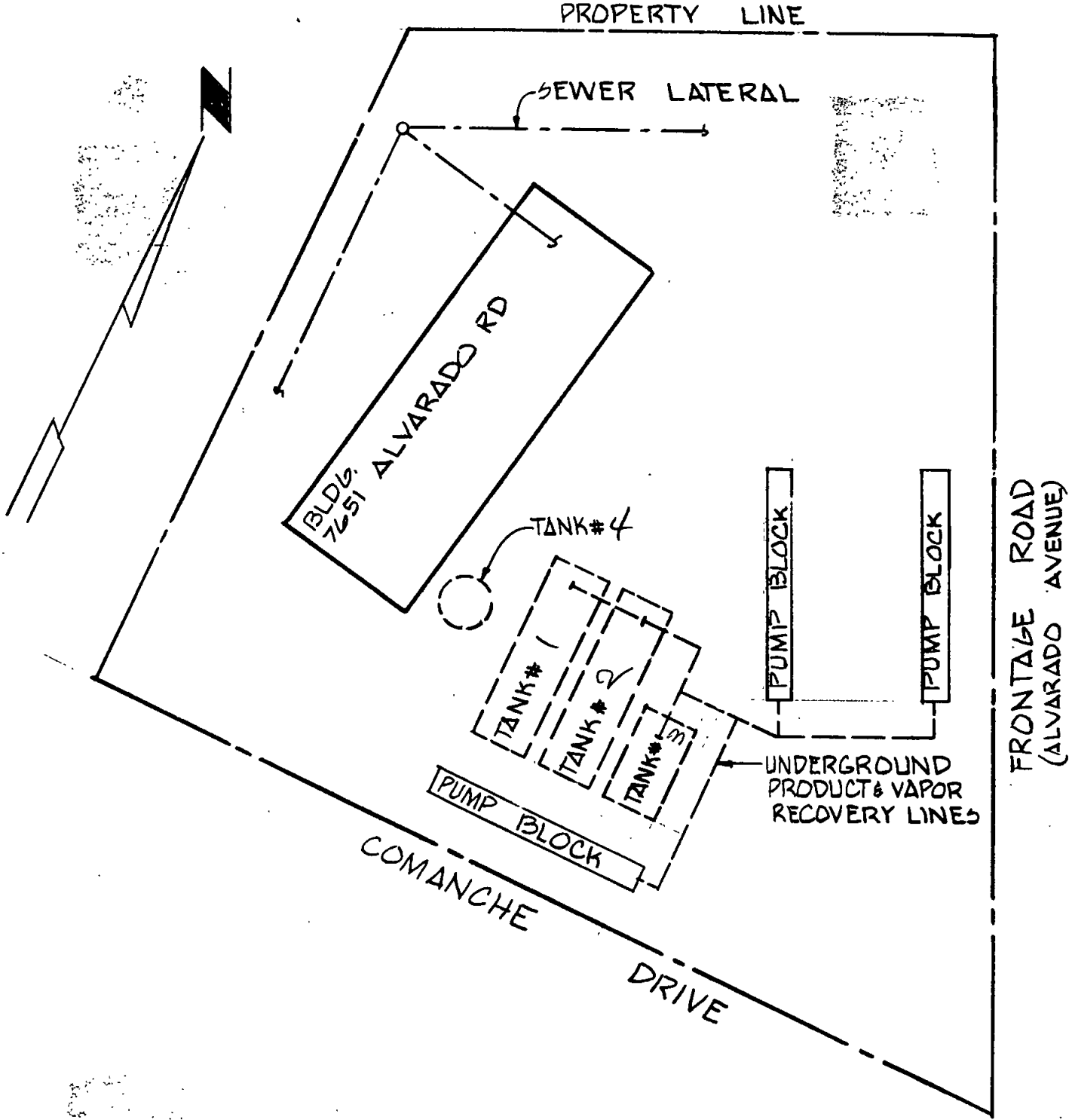
HIQ657
AT2244

TNKS CLEANED BY: CROSBY & OVERTON
MANIFEST # :89546533 GALLONS 10009 TO GIBSON OIL + REFINING
APPROXIMATE AGE OF TANKS:
APPROXIMATE TIME TANKS WERE IN USE:
TANKS GOING SITE 5662 OTAY RD - HOEFFERLIN SON YARD THEN TO PACIFIC STEEL



WATER AT ~12.0'

DARK STAINING THROUGHOUT BOTTOM OF GASOLINE TANKS EXCAVAT.


PROPERTY LINE
SEWER LATERAL
BLDG. 7651 ALVARADO RD
TANK # 4
TANK # 1
TANK # 2
TANK # 3
PUMP BLOCK
PUMP BLOCK
PUMP BLOCK
UNDERGROUND PRODUCT & VAPOR RECOVERY LINES
FRONTAGE ROAD (ALVARADO AVENUE)
COMANCHE DRIVE

#3521

COUNTY OF SAN DIEGO

HAZARDOUS MATERIALS MANAGEMENT DIVISION

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

FOR HMMD USE	
EST#:	#12467
PLAN CH#:	#12344
DATE RECEIVED:	4-4-91
FEE PAID:	667
PLAN APPROVAL:	4-8-91
HYDRO UNIT:	7.1
BENEF. USE:	Yes

A. SITE ADDRESS: 7651 Alvarado Rd City La Mesa Zip 92041

B. PROPERTY OWNER:

Assessors Parcel No. 470-020-12

Company Chevron U.S.A. Contact Roger Uhden

Mailing Address P.O Box 2833 City La Habra Zip 90631

Phone (1-800) 352-6939

24 Hr. Emergency Contact Roger Uhden Phone (1-800) 352-6939

C. TANK OPERATOR:

Company Chevron U.S.A. Contact Roger Uhden

Mailing Address P.O Box 2833 City La Habra Zip 90631

Phone (1-800) 352-6939 (714)-969-3651

24 Hr. Emergency Contact Roger Uhden Phone (1-800) 352-6939

D. CONTRACTOR:

Primary Contractor C.R.J. Inc Contact Bob Jackson

Mailing Address 612 Arizona St. City Chula Vista Zip 92011

Phone (619) 422-8700

State Contractor License 475870

Worker's Compensation Insurance Company State Fund

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Division, 1255 Imperial Ave., San Diego, CA or mail to P.O. Box 85261, San Diego, CA 92138-5261. Checks should be made payable to the County of San Diego.

A permit will be issued by the HMMD upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify the HMMD at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II,III IV, and V).

IMPORTANT: CONTACT THE DEPT. OF HEALTH SERVICES AT 338-2214 AT LEAST TWO WORKING DAYS BEFORE STARTING CONSTRUCTION TO SCHEDULE THE FIRST REQUIRED FIELD INSPECTION.

F. PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE TABLE G.
☐ Installation/Construction of new tank(s) only (without closing any existing tanks)	I & II	1
☐ Closure of existing tank(s) with installation of new tanks (tank replacement)	I, II & III	1 & 2
☒ Closure of existing tank(s) with no new tank installation	I & III	2
☐ Interior coating/repair of an existing underground storage tank	I & IV	3
☐ Repipe/pipe-repair of an existing underground storage tank facility	I & V	4

G. FEES: The fees shown below cover plan review, plan re-review and approval, the required field inspections and the first year's operating permit fees. Use the appropriate Fee Code as determined in Section F above.

FEE CODE		
1	Installation fee for first tank $446	Fee: $
	Installation fee for each additional tank No.____ x $122	Fee: $
	Establishment Base Fee $150 (Applies to establishments not currently under permit with HMMD)	Fee: $
	Operating Permit Fee per tank No.____ x $112 (Does not apply to replacement tanks if the existing tank to be replaced has paid current operating permit fees)	Fee: $
	State Surcharge per tank No.____ x $56	Fee: $
	Plan Re-Review $108	Fee: $
2	Closure fee for first tank $265	Fee: $ 265
	Closure fee for each additional tank No.____ x $134	Fee: $ 402
	Plan Re-Review $60	Fee: $
3	Repair/Interior coating fee for first tank $446	Fee: $
	Repair/Interior coating fee for each additional tank No.____ x $122	Fee: $
	Plan Re-Review $108	Fee: $
4	Repipe/Pipe-repair of an existing tank facility $374	Fee: $
	Plan Re-Review $78	Fee: $
	TOTAL FEE: $ 667	

I. PERMITS REQUIRED BY OTHER AGENCIES

FIRE DEPT. _____ APCD _____ BLDG DEPT. _____ OTHER _____

Provide copies of approved applications from these departments and others if needed.

COUNTY OF SAN DIEGO

HAZARDOUS MATERIALS MANAGEMENT DIVISION

PART III

APPLICATION FOR PERMIT TO CLOSE UNDERGROUND STORAGE TANKS

A. TOTAL NUMBER OF TANKS TO BE CLOSED 4

B. DESCRIPTION OF TANKS TO BE CLOSED:

TANK NO.	CAPACITY	DATE INSTALLED	TANK COMPOSITION	TANK PRESENTLY IN USE?	MATERIALS STORED IN TANK
1	1,000	unknown	steel	NO	waste oil
2	10,000	"	steel	NO	GAS
3	10,000	"	steel	NO	GAS
4	5,000	"	steel	NO	GAS

C. HAS THE TANK SYSTEM EVER FAILED OR LEAKED? YES ☒ NO ☐

#4 T 0772
CASE CLOSED 10/6/88

D. REASON FOR TANKS TO BE CLOSED:

☐ Meet current state/federal requirements

☐ Replacement of existing tanks

☐ Tank system failure, briefly describe _____

☒ Other, briefly describe Demolition of site

E. PREVIOUS OWNERS AND OPERATORS OF THE TANKS:

	unknown		unknown
DATES		OWNER/OPERATOR	

F. PROPOSED METHOD OF CLOSURE: [X] REMOVAL [ ] CLOSURE IN PLACE

SAMPLING PROTOCOL Tank owner/authorized representative responsible for all sampling analyses and associated costs.

- for tank systems that are to be removed. The excavation shall be exposed prior to the scheduled inspection and sampling points identified by the HMMD inspector. Sampling is required for both tank and piping. The tank must remain in the excavation until the HMMD inspector approves the removal.

- tank systems to be closed in place. Submit an alternate plan which must include soil sampling, reason for closing the tank system in place and type of material to be used to fill the tank.. Soil sampling and/or hydrostatic testing is also required for piping closures. Tank system closure in place will only be considered after evaluating the risks and hazards if the tank system were removed.

G. DISPOSAL SITE OF TANK: Pacific Steel 1700 Cleveland ave. National City Calif

Note: You must inform the HMMD of the address of where the tank is to be disposed . Plans will be disapproved without this information.

H. ATTACH THREE COPIES OF PLANS SHOWING THE FOLLOWING:

1. Property lines, site address, scale, north arrow.
2. Location of all existing structures.
3. Location of all existing underground storage tank facilities.
4. Location of underground storage tanks and piping to be closed.
5. Location of underground utility lines and vaults.

I. REQUIRED INSPECTION-PERMIT TO CLOSE

A representative from the HMMD must be on site at the time the tank(s) are closed.

1. TANK SYSTEM CLOSURE BY REMOVAL:

- excavation shall be exposed prior to the scheduled inspection. The tank owner/authorized representative on site must submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. A combustible gas instrument and soil sampling equipment must be on site. The HMMD inspector will identify sampling points. The tank must remain in the excavation until the HMMD approves the removal.

2. TANK SYSTEM CLOSURE IN PLACE:

- after approval of the alternate plan, the tank owner/authorized representative on site shall submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. The HMMD inspector shall verify that the tank system has been properly emptied and will witness the filling with an approved inert substance. Piping approved to be closed in place by hydrostatic testing shall also be witnessed by the HMMD.

J. DECLARATION

I declare that to the best of my knowledge and belief the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Hazardous Materials Management Division.

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for further development (e.g. soil compaction testing) are in addition to the requirements of the Hazardous Materials Management Division.

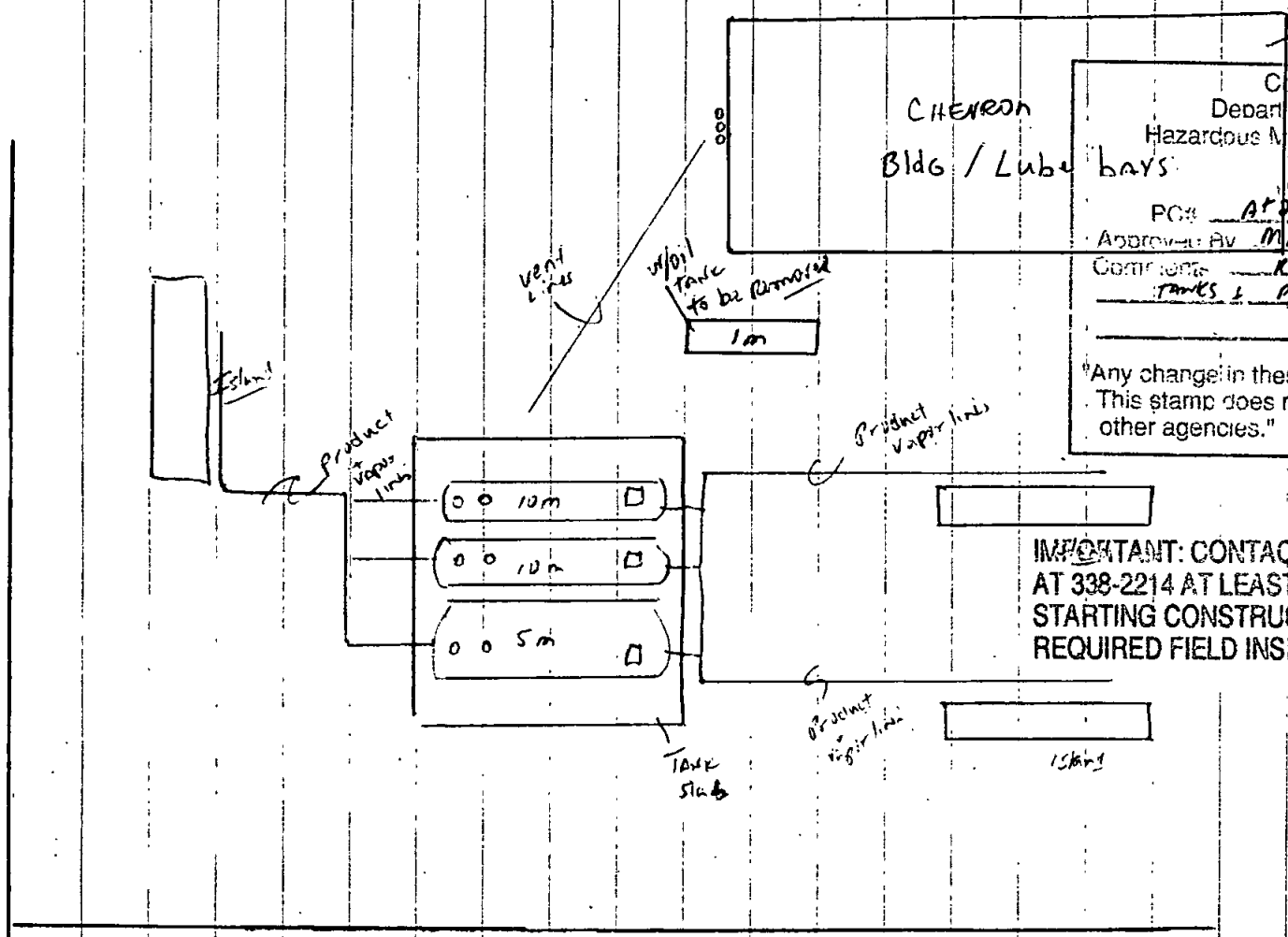
I will notify the Hazardous Materials Management Division at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared or assumed by the County of San Diego.

SIGNATURE & TITLE John H Jackson

PRINT NAME John H. Jackson

TELEPHONE ( ) 422-8700 DATE 3-27-91

Chevron Service Station 7561 Alvarado Rd.



County of San Diego
Department of Health Services
Hazardous Materials Management Division

PLAN APPROVAL

PC# AT2244 H# 12687

Approved By MPeters Date: 4-8-91

Comments Removal of 4 underground tanks & piping

"Any change in these plans may void this approval. This stamp does not constitute or imply approval by other agencies."

IMPORTANT: CONTACT THE DEPT. OF HEALTH SERVICES AT 338-2214 AT LEAST TWO WORKING DAYS BEFORE STARTING CONSTRUCTION TO SCHEDULE THE FIRST REQUIRED FIELD INSPECTION.

* Samples to be taken every 20 ft as prescribed by AHMD on product, vapor & vent lines.

7561 Alvarado Rd.

PLAN CHECK # AT2244

EST # H12687

DATE: 4/8/91

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

PLAN CHECK CORRECTIONS AND COMMENTS FOR UNDERGROUND STORAGE TANK FACILITY

SITE NAME: CHEVRON USA/CRJ INC.

SITE ADDRESS: 7651 ALVARADO ROAD, LA MESA CA 92041

DESCRIPTION OF PROPOSED ACTION: **REMOVAL OF FOUR UNDERGROUND STORAGE TANKS AND PIPING.**

NOTE:
FOR TANK SYSTEMS THAT ARE TO BE REMOVED, THE EXCAVATION SHALL BE EXPOSED PRIOR TO THE SCHEDULED INSPECTION AND SAMPLING POINTS IDENTIFIED BY THE HMMD INSPECTOR. SAMPLING IS REQUIRED FOR BOTH TANK AND PIPING. THE TANK MUST REMAIN IN THE EXCAVATION UNTIL THE HMMD INSPECTOR APPROVES THE REMOVAL.

PLANS REVIEWED AND APPROVED
SHOULD YOU HAVE ANY QUESTIONS, PLEASE CALL
MARY PETERS AT (619) 338-2207

LMFD-94

LA MESA FIRE DEPARTMENT
FIRE PREVENTION BUREAU
(619) 461-6101

PERMIT

For Keeping Storage, Use, Manufacture, Handling, Transportation, or other Disposition of Highly Inflammable, Combustible, or Explosive Materials, as stated below:

No. 4391A Date April 3, 1991

TO WHOM IT MAY CONCERN:

By virtue of the provisions of the Fire Prevention Regulations of the City of La Mesa, (Name of Concern) C.R.J No. 612 Street, Arizona, Chula Vista conducting a Tank Pull (Business) having made application in due form, and as the conditions, surroundings, and arrangements are, in my opinion, such that the intent of the Regulations can be observed, authority is hereby given and this PERMIT is GRANTED for Removal of underground fuel storage tanks at Cheveron station... Alvarado @ Commanche

This permit does not take the place of any License required by law and is not transferable. Any change in the use or occupancy of premises shall require a new permit.

This PERMIT is issued and accepted on condition that all Regulations now adopted, or that may hereafter be adopted, shall be complied with.

Bruce McKerl Fire Marshal
Chief of Fire Department

THIS PERMIT MUST AT ALL TIMES BE POSTED ON THE PREMISES MENTIONED ABOVE

H12687

Reviewed by RVR 2/20/90

HALLMARK PETROLEUM

DEC 27 4 43 PM '89

TANK TEST CERTIFICATION

This report is to certify that the following listed tank systems were tested by Hallmark Petroleum on the date(s) shown. Those indicated as "TIGHT" meet the criteria established by the National Fire Protection Association pamphlet #329.

A certified PETRO-TITE trained technician supervised the test.
See attached detail reports.

Address of Testing Location:

COMPANY Chevron
STATION # 93521
ADDRESS 7651 Alvarado Rd.
La Mesa, CA 92041
DATE 7/24/89

QUANTITY	DESCRIPTION	READING	COMMENT
1000 gal.	Waste Oil	+.040	Tank is tight.

The Petro-Tite tank testing system requires that all AIR be eliminated from a tank and system. However, due to the design or installation of some tanks, an air pocket or bubble may be trapped in the tank. In some cases there are no openings in the tank or system to vent the air pocket or bubble. This condition could result in an INCONCLUSIVE test or cause the test to indicate that the system is NOT TIGHT. Hallmark Petroleum will do everything possible to eliminate all air pockets or bubbles, but accepts NO RESPONSIBILITY on systems that can not be property bled free of air. Hallmark Petroleum will report to the customer on those systems that indicates that air may be a contributing factor.

19113 South Hamilton Ave., Gardena, CA 90248
(213) 323-1301

27. Sensor Calibration 16524 / 16532 — LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGING EACH READING	39. ACCUMULATED CHANGE
28. DATE 7/24/84 TIME (24 hr.)	Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	32. Product in Graduate: After Reading	33. Product Replaced (-) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower - (c)	37. Computation (c) × (a) = Expansion + Contraction -	Temperature Adjustment: Volume Minus Expansion (+) or Contraction (-) #33(V) — #37(T)	At Low Level compute Change per Hour (NFPA criteria)
8:00	Arrived and talked to dealer and began set-up											
	and top off											
8:35	Top off complete - tank circulating + sample has been											
	taken.							18				
8:45	Start high level	1	—	42	—	.470	—	147	—			
9:00		2	41.6	42	.470	.440	-.030	174	+27	+.039	-.069	
9:15		3	41.9	42	.440	.430	-.010	205	+31	+.043	-.053	
9:30		4	41.9	42	.430	.420	-.010	231	+26	+.036	-.046	
	dropped to lower level to start rebound											
9:45		1	12.7	12	.420	.470	+.050	257	+26	+.036		
10:00		2	12.4	12	.470	.500	+.030	286	+29	+.041		
	lowered graduate level before starting test											
10:05	Start low level	1	12.2	12	.180	.200	+.020	297	+11	+.015	+.005	+.005
10		2	12.2	12	.200	.220	+.020	306	+9	+.013	+.007	+.012
15		3	12.2	12	.220	.240	+.020	313	+7	+.010	+.010	+.022
20		4	12.2	12	.240	.260	+.020	323	+10	+.014	+.006	+.028
25		5	12.2	12	.260	.280	+.020	332	+9	+.013	+.007	+.035
30		6	12.2	12	.280	.300	+.020	341	+9	+.013	+.007	+.042
35		7	12.2	12	.300	.320	+.020	348	+7	+.010	+.010	+.052
40		8	12.2	12	.320	.340	+.020	356	+8	+.011	+.009	+.061
45		9	12.2	12	.340	.360	+.020	366	+10	+.014	-.006	+.067
50		10	12.1	12	.360	.370	+.010	373	+7	+.010	+.000	+.067
55		11	12.1	12	.370	.380	+.010	379	+6	+.008	+.002	+.069
60		12	12.1	12	.380	.390	+.010	387	+8	+.011	-.001	+.068
65		13	12.1	12	.390	.400	+.010	393	+6	+.008	-.002	+.070
70		14	12.1	12	.400	.410	+.010	399	+6	+.008	+.002	+.072
75			12.1	12	.410	.420	+.010	406	+7	+.010	+.000	+.072
80		16	12.1	12	.420	.430	+.010	415	+9	+.013	-.003	+.069

25	[illegible]	[illegible]	12.1	12	.430	.440	+.010	422	+7	+.010	+.000	+.069
30		18	12.1	12	.440	.450	+.010	429	+7	+.010	+.000	+.060
35		19	12.1	12	.450	.460	+.010	435	+6	+.008	+.002	+.071
40		20	12.1	12	.460	.470	+.010	440	+5	+.007	+.003	+.074
45		21	12.1	12	.470	.480	+.010	446	+6	+.008	+.002	+.076
50		22	12.1	12	.480	.490	+.010	453	+7	+.010	+.000	+.076
55		23	12.1	12	.490	.500	+.010	458	+5	+.007	+.003	+.079
12:00		24	12.1	12	.500	.510	+.010	465	+7	+.010	+.000	+.079

$\frac{+.079}{2 \text{ HRS.}} = +.040$ G.P.H

P-T Tank Test Data Chart
Additional Info

1. Net Volume Change at Conclusion of Precision Test +.040 gph

Signature of Tester [illegible]

Date: 7-24-89

2. Statement:

☑ Tank and product handling system has been tested tight according to the Precision Test Criteria as established by N.F.P.A. publication 329. This is not intended to indicate permission of a leak.

OR

☐ Tank and product handling system has failed the tank tightness test according to the Precision Test Criteria as established by N.F.P.A. publication 329.

It is the responsibility of the owner and/or operator of this system to immediately advise state and local authorities of any implied hazard and the possibility of any reportable pollution to the environment as a result of the indicated failure of this system. Heath Consultants Incorporated does not assume any responsibility or liability for any loss of product to the environment.

Tank Owner/Operator _____

Date _____

14. CHEVRON TEST ALVARADO CO. [illegible] 7-24-89

Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

15. TANK TO TEST

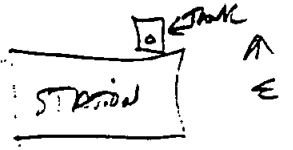
FRONT OF STATION

Identity by position

WASTE OIL

Brand and Grade

15a. BRIEF DIAGRAM OF TANK FIELD



16. CAPACITY

Nominal Capacity 1000 Gallons

By most accurate capacity chart available _____ Gallons

From
- ☐ Station Chart
- ☐ Tank Manufacturer's Chart
- ☑ Company Engineering Data
- ☐ Charts supplied with
- ☐ Other _____

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up Ø to ⅛" in. Ø Gallons 48" Tank Diameter in.

Inventory	Gallons	Total Gallons ea Reading
1000		1000
WATER		Ø
TOP OFF		8
TOTAL		1008

Transfer total to line 25a

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

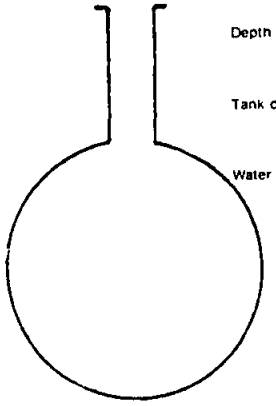
☐ Water in tank ☐ Line(s) being tested with LVLLT ☐ High water table in tank excavation

See manual sections applicable. Check below and record procedure in log (27).

Use maximum allowable test pressure for all tests
Four pound rule does not apply to doublewalled tanks

Complete section below:

1. Is four pound rule required? Yes ☐ No ☐
2. Height to 12" mark from bottom of tank _____ in
3. Pressure at bottom of tank _____ P.S.I.
4. Pressure at top of tank _____ P.S.I.



Depth of burial _____ in.

Tank dia. _____ in

Water table _____ in.

NOTES:

The above calculations are to be used for dry soil conditions to establish a positive pressure advantage, or when using the four pound rule to compensate for the presence of subsurface water in the tank area.

Refer to N.F.P.A. 30, Sections 2-3.2.4 and 2-7.2 and the tank manufacturer regarding allowable system test pressures.

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to grade* 92 in.

Add 30" for "T" probe assy. 30 in

Total tubing to assemble — approximate 122 in.

20. EXTENSION HOSE SETTING

Tank top to grade* 44 in.

Extend hose on suction tube 6" or more below tank top 6 50 in.

*If Fill pipe extends above grade, use top of fill.

22. Thermal-Sensor reading after circulation 18-7 digits

77-78 °F Between

23. Digits per °F in range of expected change 32 digits

COEFFICIENT OF EXPANSION (Complete after circulation)

24a. Corrected A.P.I. Gravity

Observed A P I. Gravity _____

Hydrometer employed _____ H

Observed Sample Temperature _____ °F

Corrected A P.I. Gravity @ 60°F, From Table A _____

Coefficient of Expansion for Involved Product From Table B _____

Transfer COE to Line 25b.

21. VAPOR RECOVERY SYSTEM ☐ Stage I ☐ Stage II

24b. COEFFICIENT OF EXPANSION RECIPROCAL METHOD

Type of Product DIESEL

Hydrometer Employed 6 H

Temperature in Tank After Circulation 18147 77 °F

Temperature of Sample 84 °F

Difference (+/-) 7 °F

Observed A P.I. Gravity 347

Reciprocal 2178 Page # 32

1008 ÷ 2178 = .4628099

Total quantity in full tank (16 or 17) | Reciprocal | Volume change in this tank per °F

Transfer to Line 26a.

24c. FOR TESTING WITH WATER see Table C & D

Water Temperature after Circulation Table C _____ °F

Coefficient of Water Table D _____

Added Surfactant? ☐ Yes ☐ No Transfer COE to Line 25b

25. (a) _____ × (b) _____ = (c) _____ gallons

Total quantity in full tank (16 or 17) | Coefficient of expansion for involved product | Volume change in this tank per °F.

26. (a) .4628099 17 ÷ 32 = .0044[illegible]

Volume change per °F (25 or 24b) | Digits per °F in test Range (23) | Volume change per digit Compute to 4 decimal places. | This is test factor (a) .00[illegible]

J. WILLIAM COX, M.D., Ph.D.
DIRECTOR
(619) 236-2237

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7633

County of San Diego

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS
MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 236-2222

December 15, 1988

DAN LYNCH
CHEVRON U.S.A.,INC.
PO BOX 2833
LA HABRA, CA 90632-2833

DEAR SIR:

SUBJECT: UNAUTHORIZED RELEASE NO.H12687-001
7651 ALVARADO RD, LA MESA

THIS LETTER IS TO INFORM YOU OF A CHANGE IN OUR BILLING PROCEDURE FOR THE UNAUTHORIZED RELEASE (LEAK) INVESTIGATION AT THE ABOVE REFERENCED UNDERGROUND STORAGE TANK SITE. THE COUNTY OF SAN DIEGO HAS RECENTLY ENTERED INTO A CONTRACT WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) TO OVERSEE THE INVESTIGATION AND REMEDIATION OF LEAKY TANK SITES. AS OF APRIL 20, 1988, ALL COSTS INCURRED ON THIS CASE BY THE HAZARDOUS MATERIAL MANAGEMENT DIVISION (HMMD) ARE BEING INVOICED TO THE SWRCB, WHO WILL BE BILLING YOU IN THE FUTURE. SAN DIEGO COUNTY WILL BE INVOICING YOU PER OUR NORMAL ANNUAL BILLING PROCEDURE FOR COSTS GENERATED PRIOR TO APRIL 20, 1988. WITH REGARD TO THE CONTRACT, THE SWRCB REQUIRES THAT THE HMMD NOTIFY YOU OF THE FOLLOWING:

> WHEREAS THE LEGISLATURE HAS APPROPRIATED FUNDS FROM THE CALIFORNIA HAZARDOUS SUBSTANCE CLEANUP FUND TO PAY THE LOCAL AND STATE AGENCY ADMINISTRATIVE AND OVERSIGHT COSTS ASSOCIATED WITH THE CLEANUP OF RELEASES FROM UNDERGROUND STORAGE TANKS; AND WHEREAS THE DIRECT AND INDIRECT COSTS OF OVERSEEING REMOVAL OR REMEDIAL ACTION AT THE ABOVE SITE ARE FUNDED, IN WHOLE OR IN PART, FROM THE HAZARDOUS SUBSTANCE CLEANUP FUND; AND WHEREAS THE ABOVE INDIVIDUAL(S) OR ENTITY(IES) HAVE BEEN IDENTIFIED AS THE PARTY OR PARTIES RESPONSIBLE FOR INVESTIGATION AND CLEANUP OF THE ABOVE SITE; YOU ARE HEREBY NOTIFIED THAT PURSUANT TO SECTION 25360 OF THE HEALTH AND SAFETY CODE, THE ABOVE RESPONSIBLE PARTY OR PARTIES SHALL REIMBURSE THE STATE WATER RESOURCES CONTROL BOARD FOR ALL DIRECT AND INDIRECT COSTS INCURRED BY ANY AND ALL STATE AND LOCAL AGENCIES WHILE OVERSEEING THE CLEANUP OF THE ABOVE UNDERGROUND STORAGE TANK SITE, AND THE ABOVE RESPONSIBLE PARTY OR PARTIES SHALL MAKE FULL PAYMENT OF SUCH COSTS WITHIN 30 DAYS OF RECEIPT OF A DETAILED INVOICE FROM THE STATE WATER RESOURCES CONTROL BOARD.

YOU WILL BE NOTIFIED IN THE FUTURE OF ANY ADMINISTRATIVE OR REPORTING CHANGES REQUIRED PURSUANT TO THE CONTRACT. PLEASE CONTACT ME AT (619) 236-2222 IF YOU HAVE ANY QUESTIONS.

SINCERELY,

Daniel J. Avera

DANIEL J. AVERA, Chief
HAZARDOUS MATERIALS MANAGEMENT DIVISION

DJA:LO:lja
cc: SWRCB
RRR

WP/A#2/LEGIS

Helen #6 "

June 13, 1989

I would like to request an appointment to view these files at some future date.

① 111 S. 1st Street — EL Cajon — H24702-001
Wells Fargo Trust — (T00756)

② 7651 Alvarado Rd — La Mesa — H12687-001
Chevron — (T00772)

③ 6066 Balboa Ave — San Diego — H12820-001
Madain Mobil — (T00213)

④ 990 Bay Bl — Chula Vista — H13939-001
SDG & E — (T00442)

⑤ 978 Cuyamaca St — El Cajon — H20162-001
Thrifty #098 — (__904)

You may contact me for an appointment at:
Julie Bennie
SOTA Environmental Technology, Inc.
(619) 485-8100

Bryan Hobbs
7/24 W/b here
7/26 to rev
7/26 Brian Hobbs
here to review file -
H Dennin

Thank you, Helen.
7/14
Dr Dah W/c on 7/17 to set up appt
Julie Bennie

7/20 B. Hobbs W/c for appt before 7/28

#1-37

MJA CONSULTING

"Protecting California's Environment"
2081 Steiger Lane
Oceanside, California 92056
(619) 722-8544

January 23, 1989

Marianne Ruckle
Environmental Health Services
Hazardous Materials Management Division
1700 Pacific Highway
San Diego, California 92101-2417

Dear Ms. Ruckle:

Attached please find a list of 123 files. All files are listed by H# (ie the fist listing of /G00309-001 is actually H00309-001) followed by the T#. All files are case status-9, case type-4. Information was compiled from your unauthorized release listing dated June 21, 1988.

As discussed the information needed from the files is regarding the source of the failed precision test. In some instances I will request files involving tank removals. On the notifications to the California Water Resources Control Board that I reviewed I have noticed that the onsite inspector usually filled out a field report. This field report, if available, would probably indicate the source of leak, if known, involved with the tank removal. If the field report is not available please notify me so we can discuss other available information.

Please let me know the time frame involved in pulling and copying the information required so that I can coordinate picking up the information and dropping off additional lists of files.

Should you need additional information please contact me as soon as possible.

Sincerely:
MJA Consulting

Michael Anselmo
Project Engineer

Precision test 'cover letter' copied for M. Enselmo of MJA Consulting.
Cherie'

C. R. J., Incorporated
SERVICE STATION SPECIALISTS
CONTRACTORS LICENSE NO. 475870

2772 NATIONAL AVENUE
SAN DIEGO, CALIFORNIA 92113
(619) 239-1253

Date 9-14-88

Chevron U.S.A. Inc.
P.O. Box2833
La Habra, Ca. 90631

Attention: Lilian

Subject: Petro Tite
Precision
Test

Location: Chevron Station 9- 3521

7651 ALVARADO, RD
#112687

Tank #1 UL 10,000
#2 SUL 5,000
#3 REG 10,000
#4 DIESEL N/A

Present: C.R.J. INC.,

On June 9,12 1987 the above tank systems were precision tested using the Petro Tite Precision tank testing equipment. This method complies with the NFPA #329 guidelines for precision testing and section 2643 of the California Underground Storage Tank Regulations. These guidelines require 0.05 gallons per hour leak rate accuracy.

We have found from precise liquid level measurement, product circulation and temperature correction analysis combined that the above tank system meets the above criteria. This concludes our test and findings on this date. We found a loose union on the vent line, made necessary repairs and then retested. The Regular leaded tank then met the above criteria.

Sincerely,

Robert W. Jackson, President

RWJ: ds

H12687 file

C. R. J., Incorporated

SERVICE STATION SPECIALISTS
CONTRACTORS LICENSE NO. 475870

2772 NATIONAL AVENUE
SAN DIEGO, CALIFORNIA 92113
(619) 239-1253

Date 12-14-87

Chevron U.S.A., Inc.
P.O. Box 2833
La Habra, CA. 90631

Attention: Cindy Hughes

Subject: Petro Tite Precision Test

Location: Chevron Station 9- 3521

Tank #1 REG 10,000
#2 UL 10,000
#3 SUL 5,000
#4 ON MF 1,000 GAL WASTE OIL

Present: C. R. J. Inc,:

On Nov. 18, 1987 , the above tank systems were precision tested using the Petro Tite Precision tank testing equiptment. This method complies with the NFPA #329 guidelines for precision testing and Section 2643 of the California Underground Storage Tank Regulations. These guidelines require 0.05 gallons per hour leak rate accuracy.

We have found from precise liquid level measurement, product circulation and temperature correction analysis combined that the above tank system meets the above criteria. This concludes our test and findings on this date.

Sincerely,

Robert W. Jackson, President

RWJ:ds

STREETS 1651 Alvarado SS No.

CITY STATE 92041 DATE 11-18-87

DEALER

	TANKS UNDER TEST		TYPE TANKS		TYPE LINES	
	CAPACITY	PRODUCT	FIBER-GLASS	STEEL	FIBER-GLASS	STEEL
1	10000	Regular Leaded		✓	✓	✓
2	10000	Regular Unleaded		✓	✓	✓
3	5000	Supreme Unleaded		✓	✓	—
4						
5						
6						

EXCAVATION CONTRACTOR: PHONE No.

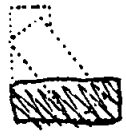
TESTING CONTRACTOR: PHONE No.

TEST RESULTS (SEE SKETCH BELOW FOR TANK IDENTIFICATION).

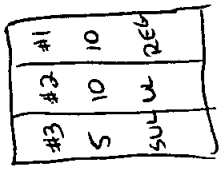
	TANKS			PRODUCT LINES			VENT LINES			VAPOR RETURN LINES			DATE
NO.	PROD.	LEAKING	TIGHT	LEAKING	TEMP. REPAIRED	TIGHT	LEAKING	TEMP. REPAIRED	TIGHT	LEAKING	TEMP. REPAIRED	TIGHT	RESULTS RECORED
1	REG		-.027										11-18-87
2	UL		-.012										11-18-87
3	SUL		+.014										11-18-87
4													
5													
6													

NOTES:

1) PLEASE SKETCH IN GENERAL LOCATION OF TANKS. (LOCATE IN RELATION TO INTERSECTION & SS BUILDING
2) ASSIGN EACH TANK A NUMBER (BEGIN WITH No. 1).
3) NAME THE PRODUCT IN EACH TANK.



DARKEN APPROPRIATE BUILDING LINES.
GENERAL LOCATION RELATIVE TO INTERSECTION.



CRITERIA OF ± .050 GALLON/HOUR

THE CRITERIA IS [illegible] OF ± .050 GALLON/HOUR IS MATHEMATICALLY [illegible] ACTUAL LIQUID VOLUME CHANGE. AND IS NOT INTENDED AS A PERMISSION OF A LEAK.

Comanche
STREET NAME

Alvarado
STREET NAME

Q-3531 11-18-87 Pg 1 of 7 (RO)

TANK No. 1 PRODUCT Regular leaded SS No. 9-3521

TANK TOP OFF:

SOURCE	STICK READING BEFORE	STICK READING AFTER	METERED AMOUNT	GALLONS
INITIAL INVENTORY	X		X	9942
TANK TRUCK			X	
T – 3	X	X		
TRANSFER (FROM DRUM OR OTHER TANK)			X	10
(A) = TOTAL GALLONS IN FULL TANK =				9952

WATER IN TANK:

INCHES 0

GALLONS 0

PRODUCT TRANSFER GRADE _____

AMOUNT	FROM TANK	TO TANK

DRUMS FILLED FOR THIS TEST: GRADE _____

METER READINGS ON PUMP BEFORE	METER READINGS ON PUMP AFTER	GALLONS	AMOUNT RETURNED	TANK RETURNED TO

TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK:

(B) = OBSERVED GRAVITY 62.6 AT 73 °F = API GRAVITY 60.9

(C) = COEFFICIENT OF EXPANSION (FROM CHARTS) .00061999

(D) = THERMAL SENSOR READING AFTER CIRCULATION 15575 DIGITS

(E) = DIGITS PER °F IN RANGE OF EXPECTED CHANGE 326 DIGITS

(F) = (A) 9952 × (TIMES) (C) .00061999 = 6.1701405

(G) = (F) 6.1701405 + (DIVIDE BY) (E) 326 = .01892681 = FACTOR (a) .0189

STANDPIPE HEIGHT CALCULATIONS: (WHEN WATER TABLE IS ABOVE BOTTOM OF TANK(S)

(H) = DEPTH MEASUREMENT TO TANK BOTTOM FROM GRADE = _____ INCHES

(I) = DEPTH MEASUREMENT TO WATER TABLE FROM GRADE = _____ INCHES

(J) = DIFFERENCE OF (H) _____ INCHES – (MINUS) (I) _____ = _____ INCHES

(K) = [(J) _____ × (TIMES)(1.38)] + (PLUS) 153 INCHES = _____ INCHES

(L) = (K) _____ INCHES – (MINUS) (H) _____ INCHES = _____ HT. OF 12" LEVEL IN STANDPIPE ABOVE GRADE

9-3521 11-18-87 Pg 2 of 7

TANK No. 2 PRODUCT Regular Unleaded SS No. 9-3521

TANK TOP OFF:

SOURCE	STICK READING BEFORE	STICK READING AFTER	METERED AMOUNT	GALLONS
INITIAL INVENTORY	X		X	9942
TANK TRUCK			X	
T-3	X	X		
TRANSFER (FROM DRUM OR OTHER TANK)			X	10
(A) = TOTAL GALLONS IN FULL TANK =				9952

WATER IN TANK:

INCHES 0

GALLONS 0

PRODUCT TRANSFER GRADE _____

AMOUNT	FROM TANK	TO TANK

DRUMS FILLED FOR THIS TEST:

GRADE _____

METER READINGS ON PUMP BEFORE	METER READINGS ON PUMP AFTER	GALLONS	AMOUNT RETURNED	TANK RETURNED TO

TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK:

(B) = OBSERVED GRAVITY 61.0 AT 73 °F = API GRAVITY 59.3

(C) = COEFFICIENT OF EXPANSION (FROM CHARTS) .00060863

(D) = THERMAL SENSOR READING AFTER CIRCULATION 16489 DIGITS

(E) = DIGITS PER °F IN RANGE OF EXPECTED CHANGE 323 DIGITS

(F) = (A) 9952 x (TIMES) (C) .00060863 = 6.0570858

(G) = (F) 6.0570858 + (DIVIDE BY) (E) 323 = .01875259 = FACTOR (a) .0188

STANDPIPE HEIGHT CALCULATIONS: (WHEN WATER TABLE IS ABOVE BOTTOM OF TANK(S)

(H) = DEPTH MEASUREMENT TO TANK BOTTOM FROM GRADE = _____ INCHES

(I) = DEPTH MEASUREMENT TO WATER TABLE FROM GRADE = _____ INCHES

(J) = DIFFERENCE OF (H) _____ INCHES – (MINUS) (I) _____ = _____ INCHES

(K) = [(J) _____ x (TIMES)(1.38)] + (PLUS) 153 INCHES = _____ INCHES

(L) = (K) _____ INCHES – (MINUS) (H) _____ INCHES = _____ HT. OF 12" LEVEL IN STANDPIPE ABOVE GRADE

9-3521 11-18-87 FEB 3 of 7

TANK No. 3 PRODUCT Supreme Unleaded SS No. 9-3521

TANK TOP OFF:

SOURCE	STICK READING BEFORE	STICK READING AFTER	METERED AMOUNT	GALLONS
INITIAL INVENTORY	X		X	5160
TANK TRUCK			X	
T-3	X	X		
TRANSFER (FROM DRUM OR OTHER TANK)			X	10
(A) = TOTAL GALLONS IN FULL TANK =				5160

WATER IN TANK:

INCHES 0

GALLONS 0

PRODUCT TRANSFER GRADE _____

AMOUNT	FROM TANK	TO TANK

DRUMS FILLED FOR THIS TEST:

GRADE _____

METER READINGS ON PUMP BEFORE	METER READINGS ON PUMP AFTER	GALLONS	AMOUNT RETURNED	TANK RETURNED TO

TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK:

(B) = OBSERVED GRAVITY 59.7 AT 72 °F = API GRAVITY 56.2

(C) = COEFFICIENT OF EXPANSION (FROM CHARTS) .00058602

(D) = THERMAL SENSOR READING AFTER CIRCULATION 15155 DIGITS

(E) = DIGITS PER °F IN RANGE OF EXPECTED CHANGE 326 DIGITS

(F) = (A) 5160 × (TIMES) (C) .00058602 = 3.0269592

(G) = (F) 3.0269592 ÷ (DIVIDE BY) (E) 326 = .00928515 = FACTOR (a) .0093

STANDPIPE HEIGHT CALCULATIONS: (WHEN WATER TABLE IS ABOVE BOTTOM OF TANK(S)

(H) = DEPTH MEASUREMENT TO TANK BOTTOM FROM GRADE = _____ INCHES

(I) = DEPTH MEASUREMENT TO WATER TABLE FROM GRADE = _____ INCHES

(J) = DIFFERENCE OF (H) _____ INCHES – (MINUS) (I) _____ = _____ INCHES

(K) = [(J) _____ × (TIMES)(1.38)] + (PLUS) 153 INCHES = _____ INCHES

(L) = (K) _____ INCHES – (MINUS) (H) _____ INCHES = _____ HT. OF 12" LEVEL IN STANDPIPE ABOVE GRADE

9-3521 11-18-87 Pg 4 of 7

9-3521 11-18-87 Pg 5 of 7 #1 REG

Date / Time (24 hr)	Record details of setting up and running test. (Use full length of line if needed.)	Reading No	Hydrostatic Pressure Control: Standpipe Level in Inches: Beginning of Reading	Level to which Restored	Line Measurements (Y) Accord to Gal. Cal.: Product in Products: Before Reading	After Reading	Product Replaced (-) / Product Recovered (+)	Temperature Compensation Use Factor (a) .0189: Thermal Sensor Reading	Change Higher + Lower - (c)	Computation (c) = (a) - Expansion + Contraction -	Net Volume Changes Each Reading: Temperature Adjustment / Volume Minus Expansion (+) or Contraction (-) #33(V) - #37(T)	Simulated Change: At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
0610	arrive @ location stick tanks for top off											
0730	top off begins											
0800	top off over: set up tester, fill system bleed vapor											
0835	begin circulation											
0930	begin high level	1		42		.535		15 575		A.0189		
0945	continue high level	2	42.0	42	.535	.535	+.000	591	+16	+.302	-.302	
1000	"	3	42.8	42	.535	.590	+.055	600	+9	+.170	-.115	
1015	"	4	43.1	42	.590	.675	+.085	613	+13	+.246	-.161	
1030	"	5	43.3	42	.675	.760	+.085	625	+12	+.227	-.142	
1045	"	6	43.4	42	.760	.855	+.095	636	+11	+.208	-.113	
1100	"	7	43.4	42	.855	.945	+.090	645	+9	+.170	-.080	
1115	"	8	43.3	42	.175	.260	+.085	655	+10	+.189	-.104	
1130	end high level	9	43.3	42	.260	.345	+.085	665	+10	+.189	-.104	
1130	Drop to low level	/		12								
1145	begin low level	1	14.2	12	.345	.495	+.150	675	+10	+.189	-.039	
1200	continue low level	2	14.6	12	.495	.665	+.170	687	+12	+.227	-.057	-.057
1215	"	3	14.3	12	.665	.820	+.155	696	+9	+.170	-.015	-.072
1230	"	4	14.3	12	.235	.380	+.145	703	+7	+.132	+.013	-.059
1245	end test	5	14.4	12	.380	.525	+.145	709	+6	+.113	+.032	-.027

This system certified tite @ - .027 gph

Roger Wayne [signature]

#414812124

9-3521 11-18-87 Pg 6 of 7 #2 UL

Date / Time (24 hr)	Log of Test Procedures: Record details of setting up and running test. (Use full length of line if needed.)	Reading No.	Hydrostatic Pressure Control: Standpipe Level in Inches: Beginning of Reading	Level to which Restored	Use Measurements (T) Record to 001 Gal.: Product in Products: Before Reading	After Reading	Product Replaced (-) / Product Recovered (+)	Temperature Compensation Use Factor (a) .0188: Thermal Sensor Reading	Change Higher + Lower - (c)	Computation (c) × (a) = Expansion + Contraction -	Dry Volume Changes Each Reading: Temperature Adjustment: Volume Minus Expansion (+) or Contraction (-) #33(V) - #37(T)	Indicated Change: At High Level record Total End Deflection / At Low Level compute Change per Hour (DEPR criteria)
0730	top off begins											
0800	top off over. set up tester fill system bleed vapor											
0850	begin circulation											
0945	begin high level	1		42		.785		16489		A .0188		
1000	continue high level	2	41.0	42	.785	.725	-.060	506	+17	+.320	-.380	
1015	"	3	42.1	42	.725	.730	+.005	514	+8	+.150	-.145	
1030	"	4	42.7	42	.730	.760	+.030	527	+13	+.244	-.214	
1045	"	5	42.9	42	.760	.815	+.045	539	+12	+.227	-.182	
1100	"	6	43.0	42	.815	.870	+.055	540	+1	+.019	+.036	
1115	"	7	43.1	42	.145	.205	+.060	550	+10	+.188	-.128	
1130	"	8	43.1	42	.205	.270	+.065	553	+3	+.056	+.009	
1145	end high level	9	43.2	42	.270	.335	+.065	553	+0	+.000	+.065	
1145	Drop to low level	/		12								
1200	begin low level	1	13.5	12	.335	.420	+.085	563	+10	+.188	-.103	
1215	continue low level	2	13.6	12	.420	.510	+.090	567	+4	+.075	+.015	+.015
1230	"	3	13.6	12	.510	.600	+.090	585	+18	+.338	-.248	-.233
1245	"	4	13.7	12	.600	.695	+.095	583	-2	-.038	+.133	-.100
1300	"	5	13.7	12	.695	.785	+.090	590	+7	+.132	-.042	-.142
1315	"	6	13.8	12	.785	.895	+.110	607	+17	+.320	-.210	-.352
1330	end test	7	13.8	12	.225	.335	+.110	607	+0	+.000	+.110	-.012

this system certified
tite @ -.012 gph
Roger Wayne [illegible]
#414812124

9-3521 11-18-87 Pg 1 of 1 #3 SUL

Date / Time (24 hr)	Record details of setting up and running test. (Use full length of line if needed.)	Reading No	Hydrostatic Pressure Control: Standpipe Level in Inches: Beginning of Reading	Level to which Restored	Line Measurements (T) Accord to 001 Cal.: Product in Graduate: Before Reading	After Reading	Product Replaced (-) / Product Recovered (+)	Temperature Compensation Use Factor (c) .0093: Thermal Sensor Reading	Change Higher + Lower - (c)	Computation (c) = (a) - Expansion + Contraction -	Net Volume Changes Each Reading: Temperature Adjustment: Volume Minus Expansion (+) or Contraction ( ) #33(V) - #37(T)	Simulated Change: At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
0730	top off begins											
0800	top off over set up tester		fill	system bleed vapor.								
0905	begin circulation											
0930	begin high level	1		42		.625		15 155		4.0093		
0945	continue high level	2	41.9	42	.625	.620	-.005	171	+16	+.149	-.154	
1000	"	3	42.6	42	.620	.655	+.035	185	+14	+.130	-.095	
1015	"	4	42.8	42	.655	.700	+.045	200	+15	+.140	-.095	
1030	"	5	43.2	42	.700	.760	+.060	216	+16	+.149	-.089	
1045	"	6	43.3	42	.760	.830	+.070	231	+15	+.140	-.070	
1100	"	7	43.4	42	.830	.905	+.075	241	+10	+.093	-.018	
1115	"	8	43.4	42	.165	.245	+.080	257	+16	+.149	-.069	
1130	end high level	9	43.5	42	.245	.335	+.090	268	+11	+.102	-.012	
1130	Drop to low level	/		12								
1145	begin low level	1	13.8	12	.335	.440	+.105	281	+13	+.121	-.016	
1200	continue low level	2	14.3	12	.440	.565	+.125	293	+12	+.112	+.013	+.013
1215	"	3	14.0	12	.565	.680	+.115	306	+13	+.121	-.006	+.007
1230	"	4	14.0	12	.680	.795	+.115	317	+11	+.102	+.013	+.020
1245	end test	5	14.1	12	.795	.910	+.115	330	+13	+.121	-.006	+.014

this system certified tite @ +.014 gph

Roger Wayne [illegible]

#4 148 1212 4

9-3521

Scott-Broadway
Service

1919 Market Street
Oakland CA 94607
(415) 834-2333
Lic. No 485569

SCOTT BROADWAY
A SCOTT COMPANY

April 21, 1988

Chevron U.S.A., Inc.
P.O. Box 2833
La Habra, CA 90631

Attention: Ms. L. Novak

Reference: Our Job Contract No. 6CSW 12039X
Station No. 9-3521
7651 Alaurado Road
La Mesa, CA 92041

Gentlemen:

On March 24, 1988, we precision tested the 1,000 gallon waste oil tank, which was filled with diesel fuel, using the "Petro-Tite" system.

The tank had a leak rate of -.037 gallons per hour. This leak rate is within the NFPA criteria of 0.05 gallons per hour; therefore, this tank and attached piping can be considered liquid tight at this time.

The test results are attached.

Please call if you have any questions.

Very truly yours,

SCOTT-BROADWAY SERVICE

Loren W. Guinn

Loren W. Guinn,
Environmental Estimator

dd

Data Chart for Tank System Tightness Test.

PLEASE PRINT 9 3521

1. OWNER Property ☐ Tank(s) ☐

Name: CHEVRON Address: 7651 ALVARADO ST. Representative: LA MESA Telephone:

Name: Address: Representative: Telephone:

2. OPERATOR

Name: Address: Telephone:

3. REASON FOR TEST (Explain Fully)

STATE REQUIREMENT

4. WHO REQUESTED TEST AND WHEN

Name: CHEVRON Title: Company or Affiliation: Date:

Address: Telephone:

5. TANK INVOLVED

Use additional lines for manifolded tanks

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
FRONT OF STATION	1,000	AZTEC	WASTE OIL TESTED W/DIESEL	UNKNOWN	STEEL

6. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
FRONT OF STATION	CONCRETE	3"	1 1/2"	NONE	NONE
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

7. UNDERGROUND WATER

Depth to the Water table: UNDER TANKS

Is the water over the tank? ☐ Yes ☐ No

8. FILL-UP ARRANGEMENTS

Tanks to be filled _____ hr. _____ Date Arranged by _____ Name Telephone

Extra product to "top off" and run tank tester How and who to provide? Consider NO Lead

Terminal or other contact for notice or inquiry _____ Company Name Telephone

9. CONTRACTOR, MECHANICS, any other contractor involved

10. OTHER INFORMATION OR REMARKS

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test, etc.

11. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
1 of 1	YES	-.037 gph	3/24/88

12. SENSOR CERTIFICATION

3/24/88
Date

16537
Serial No. of Thermal Sensor

13. This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Technicians

1. [signature]

Certification # 414813152

2. _____

Certification # _____

Testing Contractor or Company. By: Signature

Address

PN667

STATION # 9-3521

14. CHEVRON — 7651 ALVARADO RD. — LA MESA — SAN DIEGO — 3/24/88
Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

PetroTite TANK TESTER

15. TANK TO TEST: Front of Station (Identity by position); CHEVRON WASTE OIL (Brand and Grade)

16. CAPACITY
Nominal Capacity 1,000 Gallons
By most accurate capacity chart available 1,000 Gallons
Is there doubt as to True Capacity? ☐
See Section "DETERMINING TANK CAPACITY"
From
☐ Station Chart
☐ Tank Manufacturer's Chart
☐ Company Engineering Data
☐ Charts supplied with PetroTite TANK TESTER
☐ Other

17. FILL-UP FOR TEST
Stick Water Bottom before Fill-up 0 to ⅛ in. — 0 Gallons
Fill up STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY
Tank Diameter 46"

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory			1,000
	WATER		0
	TOP OFF		10
Product in full tank (up to fill pipe)			1,010

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK
API 305
TEMP 70°
CORR .004
See manual sections applicable. Check below and record procedure in log (26).
☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT

VAPOR RECOVERY SYSTEM
☐ Stage I
☐ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY
Bottom of tank to Grade* 93"
Add 30" for 4" L ___"
Add 24" for 3" L or air seal 24"
Total tubing to assemble Approximate 110"

20. EXTENSION HOSE SETTING
Tank top to grade* 40"
Extend hose on suction tube 6" or more below tank top 52"
*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK
Is Today Warmer? ( ) Colder? ( ) ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 10107 digits — 71-72 Nearest °F

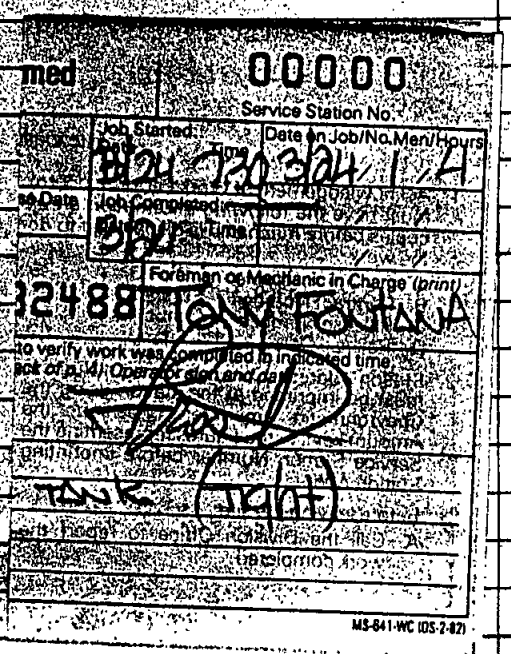
23. Digits per °F in range of expected change 300 digits

24. 1010 total quantity in full tank (16 or 17) × .00042510 coefficient of expansion for involved product = .431451 volume change in this tank per °F

25. .431451 volume change per °F (24) + 305 Digits per °F in test Range (23) = .00135215892 Volume change per digit. Compute to 4 decimal places. This is test factor (a) .004

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-159

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Level to which Restored	32. Product in Graduate: Before Reading	After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment / Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
								A factor =				
730	ARRIVED AT SITE - SURVEYED				STATION							
903	TANKER ARRIVED											
923	TANK TOPPED OFF									-.004		
8:00	EQUIPMENT SET UP AND PRODUCT IS CIRCULATING											
8:10	FIRST THERMO READING							10107				
8:25	START HIGH LEVEL TEST			42"		.250		136				
840		1	42.2	1	.250	.260	+.010	156	+20	+.028	-.018	
855		2	42.5		.260	.295	+.025	186	+30	+.042	-.017	
910		3	42.6		.295	.315	+.030	212	+26	+.036	-.006	
925		4	42.8		.315	.355	+.040	240	+28	+.039	+.001	
		5										
		6										
		7		↓								
		8		42"								
925	DROPPED TO LOW LEVEL											
940	START LOW LEVEL TEST			12"		.200		205				
955		1	12.8	1	.200	.240	+.040	243	+38	+.039	+.001	
1010		2	13.0		.240	.290	+.050	323	+30	+.042	-.008	-.007
1025		3	13.1		.290	.345	+.055	354	+31	+.043	-.012	-.019
1040		4	13.2	12"	.345	.405	+.060	384	+30	+.042	-.018	-.037
											(-.037	G.P.H.)



County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 236-2222

OFFICIAL NOTICE

April 18, 1988

Chevron, USA
1201 S. Beach Blvd.
La Habra, CA 90631
ATTN: N.D. Wolff

RE: UNAUTHORIZED RELEASE #TO772/H12687
7651 ALVARADO RD., LA MESA, CA

Dear Ms. Wolff:

Your written supplemental report to update the Unauthorized Release Report for the site referenced above is PAST DUE. You are required to submit this report every four weeks weeks to update the progress of activities at that site, in accordance with the provisions of the California Administrative Code, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652. The report was due 11/02/87.

Please submit your written supplemental report to update the Unauthorized Release Report to this Department within five work days of receipt of this Notice.

If you have any questions on this matter, please contact me at (619) 236-2222.

Sincerely,

MIKE VERNETTI
Hazardous Materials Specialist

MV:jj

C2694

STREETS Alvarado / Comanche SS No. 9-3521

CITY San Diego STATE CA DATE 6-12-87

DEALER Don Frost

TANKS UNDER TEST			TYPE TANKS		TYPE LINES	
	CAPACITY	PRODUCT	FIBER-GLASS	STEEL	FIBER-GLASS	STEEL
1	10,000	Regular Leaded				
2						
3						
4						
5						
6						

EXCAVATION CONTRACTOR: PHONE No.

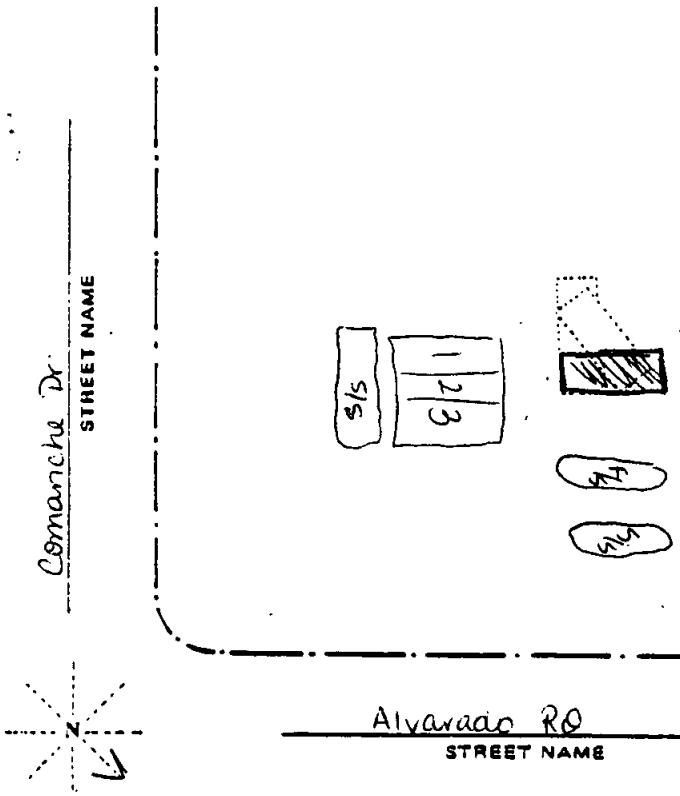
TESTING CONTRACTOR: PHONE No.

TEST RESULTS (SEE SKETCH BELOW FOR TANK IDENTIFICATION)

TANKS				PRODUCT LINES			VENT LINES			VAPOR RETURN LINES			DATE
NO.	PROD.	LEAKING	TIGHT	LEAKING	TEMP. REPAIRED	TIGHT	LEAKING	TEMP. REPAIRED	TIGHT	LEAKING	TEMP. REPAIRED	TIGHT	RESULTS RECORED
1	Reg		+.028										6-12-87
2													
3													
4													
5													
6													

NOTES:

1) PLEASE SKETCH IN GENERAL LOCATION OF TANKS. (LOCATE IN RELATION TO INTERSECTION & SS BUILDING
2) ASSIGN EACH TANK A NUMBER (BEGIN WITH No. 1).
3) NAME THE PRODUCT IN EACH TANK.



DARKEN APPROPRIATE BUILDING LINES.
GENERAL LOCATION RELATIVE TO INTERSECTION.

CRITERIA OF ± .050 GALLON/HOUR

THE CRITERIA [illegible] OF ± .050 GALLON/HOUR IS A MATHEMATICAL [illegible] ACTUAL LIQUID VOLUME [illegible] TEMPERATURE CHANGE. AND IS NOT INTENDED AS A PERMISSION OF A LEAK.

TANK No. 1 PRODUCT Regular Leaded SS No. 9-3521

TANK TOP OFF:

WATER IN TANK:

SOURCE	STICK READING BEFORE	STICK READING AFTER	METERED AMOUNT	GALLONS
INITIAL INVENTORY	X		X	9942
TANK TRUCK			X	
T - 3	X	X		
TRANSFER (FROM DRUM OR OTHER TANK)			X	10
(A) = TOTAL GALLONS IN FULL TANK =				9952

INCHES _____

GALLONS _____

PRODUCT TRANSFER GRADE _____

AMOUNT	FROM TANK	TO TANK

DRUMS FILLED FOR THIS TEST:

GRADE _____

METER READINGS ON PUMP BEFORE	METER READINGS ON PUMP AFTER	GALLONS	AMOUNT RETURNED	TANK RETURNED TO

TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK:

(B) = OBSERVED GRAVITY 59.6 AT 71 °F = API GRAVITY 58.2

(C) = COEFFICIENT OF EXPANSION (FROM CHARTS) .00060082

(D) = THERMAL SENSOR READING AFTER CIRCULATION 18080 DIGITS

(E) = DIGITS PER °F IN RANGE OF EXPECTED CHANGE 314 DIGITS

(F) = (A) 9952 x (TIMES) (C) .00060082 = 5.97936064

(G) = (F) 5.97936064 + (DIVIDE BY) (E) 314 = .0190425498 = FACTOR (a) .0190

STANDPIPE HEIGHT CALCULATIONS: (WHEN WATER TABLE IS ABOVE BOTTOM OF TANK(S)

(H) = DEPTH MEASUREMENT TO TANK BOTTOM FROM GRADE = _____ INCHES

(I) = DEPTH MEASUREMENT TO WATER TABLE FROM GRADE = _____ INCHES

(J) = DIFFERENCE OF (H) _____ INCHES - (MINUS) (I) _____ = _____ INCHES

(K) = [(J) _____ x (TIMES)(1.38)] + (PLUS) 153 INCHES = _____ INCHES

(L) = (K) _____ INCHES - (MINUS) (H) _____ INCHES = _____ HT. OF 12" LEVEL IN STANDPIPE ABOVE GRADE

LOG OF TEST PROCEDURES			HYDROSTATIC PRESSURE CONTROL		GAGE MEASUREMENTS (IN INCHES TO ONE DECIMAL)			TEMPERATURE COMPENSATION DEF FACTOR (Δ) .0190			DEF VOLUME CHANGES EACH READING	THICKNESS CHANGE
DATE / TIME (24 hr)	Record details of setting up and running test. (Use full length of line if needed.)	Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	Product in Products: Before Reading	Product in Products: After Reading	Product Replaced (+) / Product Recovered (−)	Thermal Sensor Reading	Change Higher (+) Lower (−)	Computation (+) = (+) − Expansion (−) Contraction (−)	Temperature Adjustment: Volume Change Expansion (+) or Contraction (−) = (#3 NV) − (#3 T(1))	At High Level record Total Test Deflection. At Low Level compute Change per Hour (zero if none)
0745	Arrive at location. Begin to isolate tank from vapor and product. Break out and expose middle of tank in search of vent line. determined vent manifolded with vapor in piping not excavated											
1200	remove leaking fill and install temporary fill for testing											
1215	top off system											
1220	set up tester and bleed vapor.											
1240	start circulation.	/		48								
1330	begin high level	1		42		.760		18 080		A .0190		
1345	continue high level	2	41.2	42	.760	.720	−.040	098	+18	+.342	−.382	
1400	"	3	42.0	42	.720	.720	+.000	107	+8	+.171	−.171	
1415	"	4	42.0	42	.720	.720	+.000	108	+1	+.019	−.019	
1430	"	5	42.3	42	.720	.735	+.015	113	+5	+.095	−.080	
1445	"	6	42.5	42	.735	.755	+.020	113	+0	+.000	+.020	
1500	"	7	42.7	42	.755	.785	+.030	115	+2	+.038	−.008	
1515	"	8	42.7	42	.785	.815	+.030	115	+0	+.000	+.030	
1530	end high level	9	42.7	42	.815	.845	+.030	116	+1	+.019	+.011	(−.599)
1530	Drop to low level	/		~~12~~								
~~1545~~	begin low level	1	13.7	12	.135	.210	+.075	116	+0	+.000	+.075	
1600	continue low level	2	13.3	12	.210	.260	+.050	116	+0	+.000	+.050	+.050
1615	"	3	13.4	12	.260	.315	+.055	122	+6	+.114	−.059	−.009
1630	"	4	13.1	12	.315	.355	+.040	118	−4	−.076	+.116	+.107
1645	"	5	13.1	12	.355	.395	+.040	118	+0	+.000	+.040	+.147
1700	end test	6	13.1	12	.395	.440	+.045	124	+6	+.114	−.069	+.028

This tank certified tite @ +.028 gph

Rose Ware

#A148127 24
SN: 1309

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES

1700 Pacific Highway, San Diego, CA 92101

SMOKING ENDANGERS EVERYONE'S HEALTH

DIVISION OF ENVIRONMENTAL HEALTH PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

C2694
H12687

DATE: 10/2/87

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Unit (HMMU)

SUBJECT: UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T# 0772

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address: 7651 ALVARADO RD (Street) | LA MESA (City) | 92041 (Zip Code)

Property Owner: CHEVRON USA (Name)

1201 S. BEACH BLVD (Street) | CA HABRA (City) | 90631 (Zip Code)

Telephone: _____

Tank Operator: CHEVRON (Name) | 462-2860 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s): TANK

Amount Released: UNK (Gallons) UNK (Time Period)

Release Detected By:

- ✓ Routine Tank Testing
- ___ Test of Piping
- ___ Inventory Audit
- ___ Monitoring Device/Well
- ___ Evidence of Soil Contamination Detected During Tank Removal
- ___ Evidence of Leaky Tank Detected During Tank Removal
- ___ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). REGULAR TANK FAILED PRESSION TEST.

Date Release Reported to or Detected by HMMU 10/2/87

Contact With Other Agencies _____

Additional Comments:

Please call the HMMU at 236-2222 if you have questions or comments regarding the above.

HMMU Staff MIKE VERNON

DHS:HM-9010 (12/86)

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101

SMOKING ENDANGERS EVERYONE'S HEALTH

HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

OFFICIAL NOTICE

10/2/87

CHEVRON USA
1201 SOUTH BEACH BLVD LA HABRA CA 90631
N.D. WOLFF

RE: UNAUTHORIZED RELEASE #T 0772
7651 ALVARADO RD LA MESA 92041 # 93521

Dear N.D. WOLFF :

Information provided to this Department by REGULAR TANK FAILED PRECISION TEST indicates that the underground hazardous substance storage facility at the location rererenced above has experienced an Unauthorized Release (leak).

The conditions created by the Unauthorized Release must be reported and corrected in accordance with Sections 25295 and 25297 of Chapter 6.7 of the California Health and Safety Code (H&SC) and Section 2652, Subchapter 16, Chapter 3, Title 23 of the California Administrative Code (CAC), and Chapter 6.5 of the H&SC and Title 22 of the CAC.

As the owner/operator of the underground storage tank, it is your responsibility to:

1. Take immediate action to prevent further unauthorized release;
2. Determine the extent and impact of the unauthorized release;
3. Submit a written Unauthorized Release Report to this Department within five workdays of receipt of this Notice;
4. Complete and distribute within five workdays the enclosed State Water Resources Control Board's "Underground Storage Tank Unauthorized Release(Leak)/Contamination Site Report";
5. Submit supplemental report as required to update the initial report; and,
6. Complete any site mitigation (cleanup) required.

The Unauthorized Release Reports must address all six Elements listed on the reverse side of this Official Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Please note Item G concerning responsibility for payment for staff time expended on the investigation.

Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

Please call me at (619) 236-2222 if you have any questions regarding this Official Notice.

Sincerely,

MIKE VOTINETTI
Hazardous Materials Specialist

Enclosure

cc: RWQCB

DHS:HM-9046 (12/86)

"HAMU"

SEP 6 11 55 AM '90

WESTERN PUMP Inc.
petroleum equipment specialists

3235 "F" Street
San Diego, California 92102
(619) 696-5777 • (619) 722-0262
FAX (619) 696-5757

~~H 22104~~
H 13326
Reviewed by HFS
9-14-90

August 29, 1990

SPORT & IMPORT
7243 Alvarado Road
La Mesa, CA 92041

ATTN: Tim Cunningham

SUBJECT: HORNER EZY-CHEK TANK INTEGRITY TEST

LOCATION: Same as above

TANK NUMBER 1 - 225 GALLON WASTE OIL

PRESENT: Western Pump, Inc.: Barry Sanborn

On August 24, 1990 the above tank system was integrity tested using the Horner Ezy-Chek leak detector system. This method complies with the NFPA #329 guidelines for precision testing and Section #2643 of the California Underground Storage Tank Regulations. These guidelines require 0.05 gallon per hour leak rate accuracy.

We have found from precise liquid level measurement and temperature analysis combined that the above tank system meets the regulation requirements. This concludes our test and findings on this date.

Sincerely,

D. D. Rethmeier

Dennis D. Rethmeier

DDR/pch

Enclosure

HORNER EZY-CHEK TANK INTEGRITY TEST RESULTS

WESTERN PUMP inc.
petroleum equipment specialists

3235 "F" Street
San Diego, California 92102
(619) 696-5777 • (619) 722-0262
FAX (619) 696-5757

DATE: 29 AUGUST 1990

CUSTOMER: SPORT & IMPORT
7243 ALVARADO ROAD
LA MESA, CA 92041

TELEPHONE: (619) 461-8338

ATTENTION: TIM CUNNINGHAM

LOCATION OF TANK: SAME AS ABOVE

CAPACITY: 225 GALLON WASTE OIL

TANK NUMBER: 1

DATE/TIME OF TANK TEST: 08/24/90

DATE/TIME SYSTEM FILLED:

CERTIFIED TESTER: BARRY SANBORN

SYSTEM TEST: FULL

TEST LEVEL: 67" ABOVE GRADE

SPECIFIC GRAVITY OF LIQUID: 29.1

PIPING - PRESSURE: NONE SUCTION: NONE

TURBINE PUMP ACTIVATED: N/A

VAPOR RECOVERY TYPE: N/A

DEPTH OF GROUNDWATER: NONE

PRESENCE OF WATER IN TANK: NONE

OVERFILL OR LEAK DETECTOR SYSTEM: NONE

	LIQUID LEVEL	TEMPERATURE	NET CHANGE
1	-.0016	+.0005	-.0021
2	-.0012	+.0005	-.0017
3	-.0012	+.0002	-.0014
4	-.0008	+.0005	-.0013
5	-.0012	+.0002	-.0014
6	-.0012	+.0003	-.0015
7	-.0008	+.0002	-.0010
8	-.0012	+.0002	-.0014
9	-.0008	+.0003	-.0011
10	-.0008	+.0003	-.0011
11	-.0008	+.0002	-.0010
12	0	+.0003	-.0003
13	-.0008	+.0002	-.0010
14	-.0008	+.0002	-.0010
15	-.0008	0	-.0008
16	-.0004	0	-.0004
17	-.0008	0	-.0008
18	-.0008	0	-.0008
19	-.0004	0	-.0004
20	-.0004	0	-.0004

FINAL RESULTS (GALLONS PER HOUR): FIRST HOUR -.0140 SECOND HOUR -.0069

COMMENTS: SYSTEM PASSED

TANK INTEGRITY TEST REPORT

HAZARDOUS MATERIALS MANAGEMENT DIVISION

☐ All of the tanks and associated piping have tested tight

☐ Some of the tanks and associated piping have failed tightness test

Office Use Only
Est # ~~H22164~~ H13326
Date Rec / /
Tester on File y/n

Reason for Tank System Testing: X Annual Test ___ Suspected Leak ___ Retest After Repair

Other Reason for Tank Testing: ___

Tank Location	Address 7243 Alvarado Rd	
	City La Mesa CA	Zip 92041
Tank Operator	Name Sport & Import	Phone 461-8338
Tank Owner	Name	Phone
	Address	
	City	Zip

Tank No	Tank Capacity	Product Type	Product Line Pass/Fail	Fill/Vent Vapor Pass/Fail	TANK Gal/Hour	TANK Pass/Fail	Test Date
1	225	Waste Oil	None	Pass	-.0009	Pass	8-24-90
2							
3							
4							
5							
6							

Method of Product Line Test N/A

Method of Vent/Vapor/Remote Fill Line Test Hydrostatic

Indicate Which (if any) Tanks are Manifolded N/A

These test results have been conducted and performed, by a tester certified according to the requirements of the tank test equipment manufacturer. The tester is licensed by the Water Resource Control Board Office of Tank Tester Licensing and meets the requirements of Subchapter 17, Title 23, of the CA Code of Regulations (Effective January 1, 1990). The tank owner has been notified of these results, and has been advised of the reporting requirements for integrity testing.

Testing Company WESTERN PUMP, INC.

Name of Test Equipment HORNER EZY-CHEK

Name of Licensed Tester BARRY SANBORN License No. 90-157

Signature of Tester Barry Sanborn Date 8/24/90

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO CA 92138-5261 (619) 338-2222

ORIGINAL

COUNTY OF SAN DIEGO

HAZARDOUS MATERIALS MANAGEMENT DIVISION

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

FOR HMMD USE
EST#: A13326
PLAN CH#: A2440
DATE RECEIVED: 11/15/91
FEE PAID: $375.00
PLAN APPROVAL: 11/19/91
HYDRO UNIT: 7 1
BENEF. USE: yes

A. SITE ADDRESS: 7243 Alvarado Rd
City La Mesa Zip 91941

B. PROPERTY OWNER:
Assessors Parcel No. 469020 34 Johnson Family Trust
Company K.C. & Carol B. Johnson Contact Valerie Johnson-Barney
Mailing Address P.O. Box 485 City Garden Valley Zip 95633
Phone (916) 626-4995
24 Hr. Emergency Contact Valerie Johnson-Barney Phone (916) 626-4995

C. TANK OPERATOR:
Company Sport & Import Contact
Mailing Address 7243 Alvarado Rd City La Mesa Zip 91941
Phone ( )
24 Hr. Emergency Contact NONE Phone ( )

D. CONTRACTOR:
Primary Contractor C.P.C. Mechanical Inc Contact Val Cromwell
Mailing Address 13664 Willow Rd City Lakeside Zip 92040
Phone (619) 561-0100
State Contractor License "A" 257275
Worker's Compensation Insurance Company Golden Eagle

IMPORTANT: CONTACT THE DEPT. OF HEALTH SERVICES AT 338-2214 AT LEAST TWO WORKING DAYS BEFORE STARTING CONSTRUCTION TO SCHEDULE THE FIRST REQUIRED FIELD INSPECTION.

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Division, 1255 Imperial Ave., San Diego, CA or mail to P.O. Box 85261, San Diego, CA 92138-5261. Checks should be made payable to the County of San Diego.

A permit will be issued by the HMMD upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify the HMMD at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II,III IV, and V).

F. PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE TABLE G.
☐ Installation/Construction of new tank(s) only (without closing any existing tanks)	I & II	1
☐ Closure of existing tank(s) with installation of new tanks (tank replacement)	I, II & III	1 & 2
☑ Closure of existing tank(s) with no new tank installation	I & III	2
☐ Interior coating/repair of an existing underground storage tank	I & IV	3
☐ Repipe/pipe-repair of an existing underground storage tank facility	I & V	4
☐ Installation/Construction of vaulted tanks	VI	5

G. FEES: The fees shown below cover plan review, plan re-review and approval, the required field inspections and the first year's operating permit fees. Use the appropriate Fee Code as determined in Section F above.

FEE CODE		
1	Installation fee for first tank $600.00	Fee: $
	Installation fee for each additional tank No.____x $100.00	Fee: $
	Establishment Base Fee $160.00 (Applies to establishments not currently under permit with HMMD)	Fee: $
	Operating Permit Fee per tank No.____x $120.00 (Does not apply to replacement tanks if the existing tank to be replaced has paid current operating permit fees)	Fee: $
	State Surcharge per tank No.____x $56	Fee: $
	Plan Re-Review $200.00	Fee: $
2	Closure fee for first tank $375.00	Fee: $ 375.00
	Closure fee for each additional tank No.____x $50.00	Fee: $
	Plan Re-Review $200.00	Fee: $
3	Repair/Interior coating fee for first tank $600.00	Fee: $
	Repair/Interior coating fee for each additional tank No.____x $100.00	Fee: $
	Plan Re-Review $200.00	Fee: $
4	Repipe/Pipe-repair of an existing tank facility $600.00	Fee: $
	Plan Re-Review $200.00	Fee: $
5	Consultation fee (e.g. vaulted tank: minimum 2 hours) ____ Hours x $80.00	Fee: $
		TOTAL FEE: $ 375.00

I. PERMITS REQUIRED BY OTHER AGENCIES

FIRE DEPT. ✓ APCD _____ BLDG DEPT. _____ OTHER _____

Provide copies of approved applications from these departments and others if needed.

COUNTY OF SAN DIEGO

HAZARDOUS MATERIALS MANAGEMENT DIVISION

PART III

APPLICATION FOR PERMIT TO CLOSE UNDERGROUND STORAGE TANKS

A. TOTAL NUMBER OF TANKS TO BE CLOSED 1 EA.

B. DESCRIPTION OF TANKS TO BE CLOSED:

TANK NO.	CAPACITY	DATE INSTALLED	TANK COMPOSITION	TANK PRESENTLY IN USE?	MATERIALS STORED IN TANK
	250gal.	1984	Steel	No	None
		Pressure Tested		8/29/90	

C. HAS THE TANK SYSTEM EVER FAILED OR LEAKED? YES ☐ NO ☑

D. REASON FOR TANKS TO BE CLOSED:

☐ Meet current state/federal requirements

☐ Replacement of existing tanks

☐ Tank system failure, briefly describe _____

☑ Other, briefly describe Tank Permitte no longer leases property

E. PREVIOUS OWNERS AND OPERATORS OF THE TANKS:

DATES	OWNER/OPERATOR
1984	Tim Cunningham

F. PROPOSED METHOD OF CLOSURE: ☐ REMOVAL ☐ CLOSURE IN PLACE

SAMPLING PROTOCOL Tank owner/authorized representative responsible for all sampling analyses and associated costs.

- for tank systems that are to be removed. The excavation shall be exposed prior to the scheduled inspection and sampling points identified by the HMMD inspector. Sampling is required for both tank and piping. The tank must remain in the excavation until the HMMD inspector approves the removal.

- tank systems to be closed in place. Submit an alternate plan which must include soil sampling, reason for closing the tank system in place and type of material to be used to fill the tank., Soil sampling and/or hydrostatic testing is also required for piping closures. Tank system closure in place will only be considered after evaluating the risks and hazards if the tank system were removed.

G. DISPOSAL SITE OF TANK: VERA INDUSTRIAL CLEANING CORP. 2675 "A" FAIRE ST, C.V. CA, 91911

Note: You must inform the HMMD of the address of where the tank is to be disposed Plans will be disapproved without this information.

H. ATTACH THREE COPIES OF PLANS SHOWING THE FOLLOWING:

1. Property lines, site address, scale, north arrow.
2. Location of all existing structures.
3. Location of all existing underground storage tank facilities.
4. Location of underground storage tanks and piping to be closed.
5. Location of underground utility lines and vaults.

I. REQUIRED INSPECTION-PERMIT TO CLOSE

A representative from the HMMD must be on site at the time the tank(s) are closed.

1. TANK SYSTEM CLOSURE BY REMOVAL:

- excavation shall be exposed prior to the scheduled inspection. The tank owner/authorized representative on site must submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. A combustible gas instrument and soil sampling equipment must be on site. The HMMD inspector will identify sampling points. The tank must remain in the excavation until the HMMD approves the removal.

2. TANK SYSTEM CLOSURE IN PLACE:

- after approval of the alternate plan, the tank owner/authorized representative on site shall submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. The HMMD inspector shall verify that the tank system has been properly emptied and will witness the filling with an approved inert substance. Piping approved to be closed in place by hydrostatic testing shall also be witnessed by the HMMD.

J. DECLARATION

I declare that to the best of my knowledge and belief the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Hazardous Materials Management Division.

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for further development (e.g. soil compaction testing) are in addition to the requirements of the Hazardous Materials Management Division.

I will notify the Hazardous Materials Management Division at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared or assumed by the County of San Diego.

SIGNATURE & TITLE Val H Cromwell Vice President

PRINT NAME VAL H CROMWELL (FOR C.P.C. MECH, INC.)

TELEPHONE (619) 561-0100 DATE NOVEMBER 14TH 1991

HAZARDOUS MATERIALS MANAGEMENT DIVISION
UNDERGROUND TANK REMOVAL/CLOSURE REPORT

FIRE AGENCY PRESENT?
☒ YES ☐ NO
PERMIT NO. _____
DEPT. La Mesa
% L.E.L. 0%

ESTABLISHMENT # H3326 PLAN CHECK # AT 2448
SITE NAME SID's Auto Body / Funston & Carol Johnson PHONE _____
SITE ADDRESS 7243 Alvarado Rd, La Mesa CITY/ ZIP CODE 91941
CONTRACTOR CPC Mechanical PHONE 561-0100
NUMBER OF TANKS 1 ☒ REMOVAL ☐ CLOSURE IN PLACE

					REMARKS:
TANK EDP NUMBER	1				① Steel Tank with Very
U/L TAG NUMBER					Heavy Corrosion. At least
CAPACITY (GALS)	250gal				3 holes up to ½" dia.
MATERIAL STORED	Waste oil				② Course Sand with med. sized
DECONTAMINATION?	Yes, by	Vera 100gal to Diamond			Cobbles.
MANIFEST AVAILABLE?	Kerlon	# 90789783			③ Slight - Heavy Staining
% LEL (CGI READING)	0%				Slight - moderate Odor
DRY ICE/OTHER (AMT)	15lbs				④ Fine - course grained sandy - clay
TANK CONDITION	①				with small - med. Cobbles.
BACKFILL SOIL TYPE	②				⑤ Moderate - Heavy staining
BACKFILL CONDITION	③				
NATIVE SOIL TYPE	④				
NATIVE CONDITION	⑤				
EXCAVATION ODORS?	Slight				
STOCKPILE ODORS?	Slight				
PONDED PRODUCT?	NO				
PIPELINE LEAK?	N/A				
REINSPECTION REQUIRED?	NO				

NOTICE: You are hereby notified that on 6/23/92 a Hazardous Materials Specialist conducted an inspection for the closure of 1 hazardous substance underground storage tanks. A summary of the conditions follows:

☒ A determination of this site's status is pending receipt of Laboratory Analyses Results for samples taken this date. Results must be submitted within 30 days. To avoid delays, have the Laboratory send a copy of the results directly to Mark McPherson (print) of the (HMMD) see address below:

☐ Contamination of the excavation area has been noted by observations made during the tank removal this date. **BEGIN SITE ASSESSMENT PHASE**-(See reverse for details).

The Laboratory results have been reviewed by Mark McPherson
(of the HMMD) on 6/23/92 and indicate the following:
☒ NO FURTHER ACTION IS REQUIRED. 6/24/92 MM
☐ **BEGIN SITE ASSESSMENT PHASE** (See attached information).
Phone Contact _____ Date Form was Mailed / /

Received By _____
Printed Name Jerry G Cromwell
Phone Number (619) 561-0100

Mark McPherson
Hazardous Materials Specialist
County of San Diego
Department of Health Services
HMMD - P. O. Box 85261
San Diego, CA 92138-5261
(619) 338-2222

(HMMD COPY)

DHS:HM-916 (10/89)

Type(s) of hazardous substance(s) released: Waste oil if any

Is hazardous material ponded? NO What is estimated amount? —

Is amount of hazardous substance release known? NO Estimated amount? —

What is estimated depth to ground water below the site? > 6.5' feet

Is site located in a beneficial use area? yes

SOIL CONDITIONS:

Is backfill discolored? yes - Slight - Heavy Estimated amount —

Is backfill saturated? NO Estimated amount —

Is native soil stained? yes - Moderate - Heavy Estimated amount —

Is native soil saturated? NO Estimated amount —

Describe native soil type(s) Fine-course grained Sandy Clay with Small-med Cobble

Condition of tank(s) (holes, corrosion, wrapping, seams) Steel tank with Very heavy corrosion. At least 3 holes up to ½" dia on bottom and ends

Piping leak location None

Nearby water wells or surface waters? NO

Any known underground vaults, utilities or basements nearby? NO

FURTHER COMMENTS:

See Attached Site Map.

NORTH

(HMMD) **PLOT PLAN** EST. # H

DHS:HM-916 (10/89)

FIELD NOTES

Date: 6-2-92

HB326

AT/NT 2448

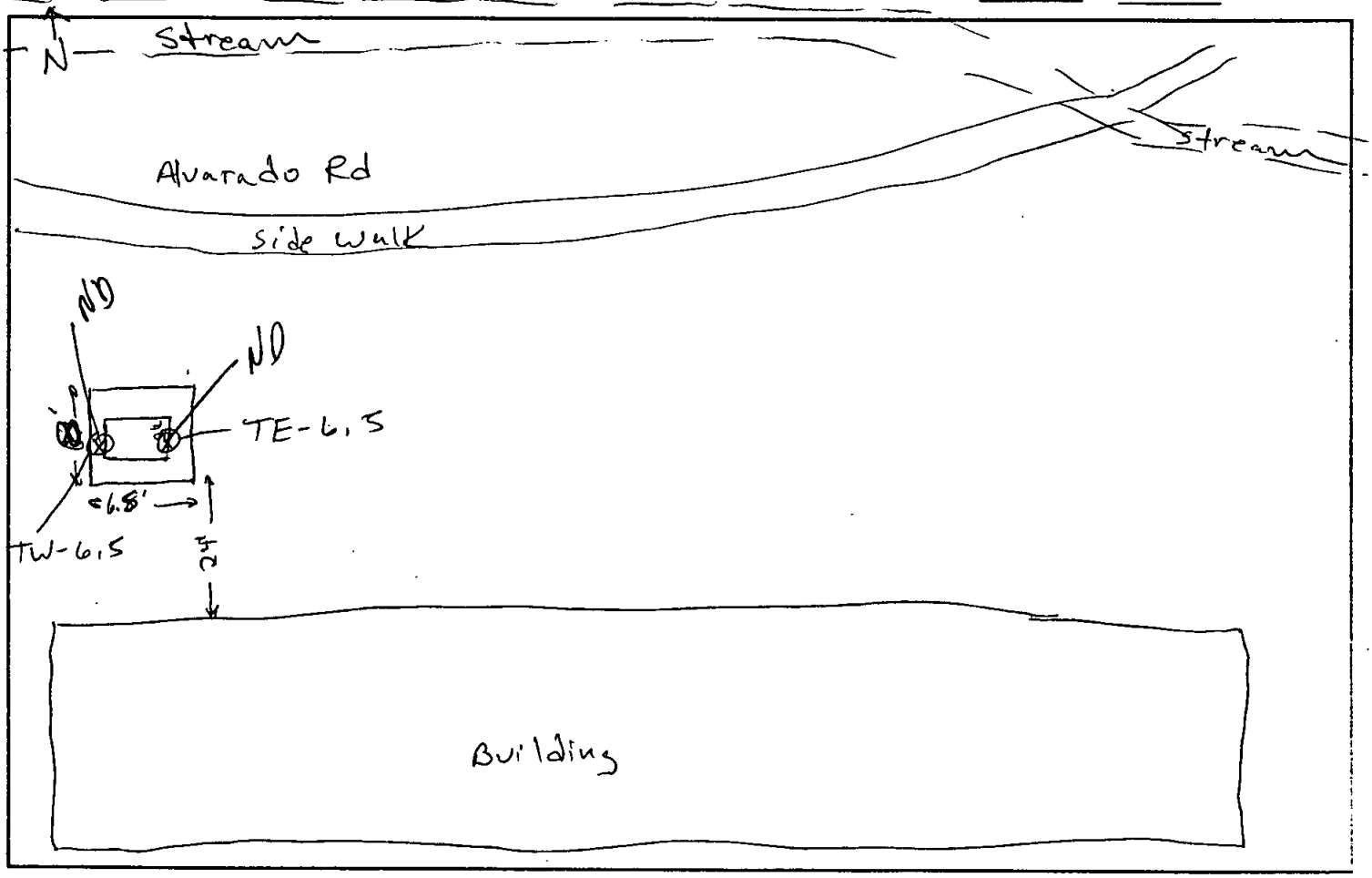
Tank(s) last used: ~1 Year

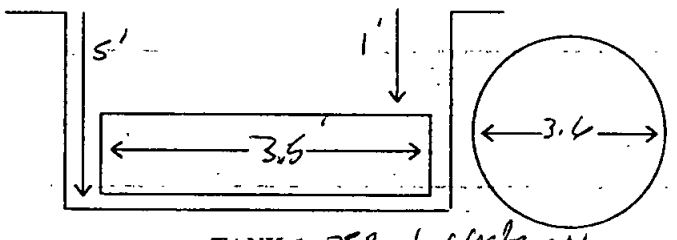
Approx. age of tank(s): _____

Tank(s) destination: Vera

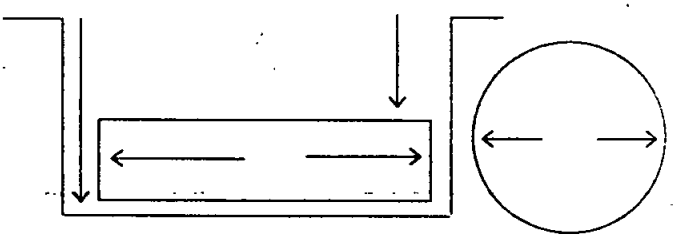
Manifest #: 90789783 Gallons: 100 to: D.K

Decontamination by: Vera lbs. dry ice: (1) 15lbs (2) _____ (3) _____ (4) _____

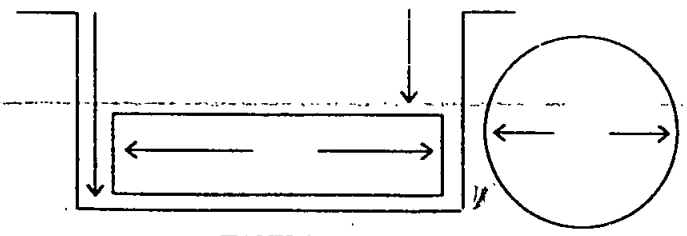




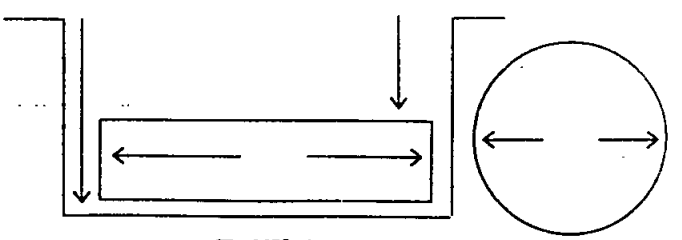
TANK 1 250gal Waste oil



TANK 3



TANK 2



TANK 4

County Of San Diego **Chain-of-Custody Record** DATE 6-2-92 PAGE 1 OF 1

Project Name / Reference: Evanston & Carol Johnson / Sids Auto body
Address: 7243 Alvarado Rd, La Mesa
Samplers Signature: [signature]
Lab To Be Used: QAL

SAMPLE NO.	DATE	TIME	LOCATION	ANALYSIS REQUESTED: TPH DOHS METHOD	TPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)			SAMPLE TYPE: SOLID	LIQUID	GRAB	COMPOSITE	NO. OF CONTAINERS	COMMENTS
TW-6.5'	6-2-92	1033	6.5' big. under the west end of Tank		X					X		X		1	
TE-6.5'	6-2-92	1044	6.5' big under the east end of Tank		X					X		X		1	Samples Sealed by HMMD

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date
Signature		Signature		Signature	
Printed Name	Time	Printed Name	Time	Printed Name	Time
Company		Company		Company	
RECEIVED BY	Date	**RECEIVED BY**	Date	**RECEIVED BY (LAB)**	Date
Signature		Signature		Signature	
Printed Name	Time	Printed Name	Time	Printed Name	Time
Company		Company		Company	

2 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice Yes/No
Tape Seal Intact Yes/No

Special Shipment/Handling Or Storage Requirements:

Split Sample Location: None

Site Identification
H# 13326 AT# 2418
HMMD Mark McPherson

COPY OF LAB RESULTS MUST BE SENT TO:
County Of San Diego
Hazardous Materials Management Division
P.O. Box 85261
San Diego, Ca 92138-5261

DHS:HM-999 (10/90) NCR

County of San Diego
Department of Health Services

ORIGINAL

COUNTY OF SAN DIEGO

HAZARDOUS MATERIALS MANAGEMENT DIVISION

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

FOR HMMD USE	
EST#:	H13326
PLAN CH#:	H12446
DATE RECEIVED:	11/15/91
FEE PAID:	$375.00
PLAN APPROVAL:	11/19/91
HYDRO UNIT:	7.1
BENEF. USE:	MUN

A. SITE ADDRESS: 7243 Alvarado Rd

City La Mesa Zip 91941

B. PROPERTY OWNER:

Assessors Parcel No. 469020 34 Johnson Family Trust

Company K.C. & Carol B. Johnson Contact Valerie Johnson-Barney

Mailing Address P.O. Box 485 City Garden Valley Zip 95633

Phone (916) 626-4995

24 Hr. Emergency Contact Valerie Johnson-Barney Phone (916) 626-4995

C. TANK OPERATOR:

Company Sport & Import Contact

Mailing Address 7243 Alvarado Rd City La Mesa Zip 91941

Phone ( )

24 Hr. Emergency Contact None Phone ( )

D. CONTRACTOR:

Primary Contractor C.P.C. Mechanical Inc. Contact Val Cromwell

Mailing Address 13664 Willow Rd City Lakeside Zip 92040

Phone (619) 561-0100

State Contractor License "A" 257275

Worker's Compensation Insurance Company Golden Eagle

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Division, 1255 Imperial Ave., San Diego, CA or mail to P.O. Box 85261, San Diego, CA 92138-5261. Checks should be made payable to the County of San Diego.

A permit will be issued by the HMMD upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify the HMMD at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II,III IV, and V).

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

CPC MECHANICAL
ATTN: JERRY CROMWELL
13664 WILLOW RD.
LAKESIDE, CA 92040

DATE OF REPORT	JUNE 15, 1992
DATE RECEIVED	JUNE 2, 1992
SAMPLING DATE	JUNE 2, 1992
DATE OF FINAL REVIEW	JUNE 12, 1992
ANALYZED BY	RC
SAMPLE TYPE	2 SOIL
PROJECT NAME	FUNSTON & CAROL JOHNSON SIDS AUTO BODY

ANALYSES RESULTS

LOG NUMBER	SAMPLE ID	ANALYSIS: TRPH PREP/ANALYSIS METHOD: 3550/418.1 UNITS: MG/KG
9423-92F	TW-6.5'	<10
9424-92F	TE-6.5	<10

TRPH - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

JUNE 12, 1992

CPC MECHANICAL
LOG #9423-92F THROUGH 9424-92F

DATE EXTRACTED: JUNE 5, 1992 - TRPH

DATE ANALYZED: JUNE 8, 1992 - TRPH

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
TRPH	3550/418.1	120%	105%	10%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•**LCS** - LABORATORY CONTROL SAMPLE. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•**SPIKE** - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•**SURROGATES** - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

County Of San Diego

Chain-of-Custody Record

DATE 6-2-92 PAGE 1 OF 1

Project Name Evnston's Carol Johnson/Sids Auto body
Reference
Address 7243 Alvarado Rd, La Mesa
Samplers Signature
Lab To Be Used OAL

PRE-PAY

SAMPLE NO.	DATE	TIME	LOCATION	TPH DOHS METHOD	TPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010)	SOLID	LIQUID	GR	COMPOSITE	NO. OF CONTAINERS	COMMENTS
TW-6.5'	6-2-92	1033	6.5' b.g. under the west end of Tank		X		9423-92F	X		X		1	
TE-6.5'	6-2-92	1044	6.5' b.g. under the east end of Tank		X		9424	X		X		1	Samples Sealed by HMMD KM
													will fax copy of check phone # 561-0100

COPY OF LAB RESULTS MUST BE SENT TO:
County Of San Diego
Hazardous Materials
Management Division
P.O. Box 85261
San Diego, Ca 92138-5261

ANALYSIS REQUESTED / SAMPLE TYPE / NO. OF CONTAINERS / COMMENTS

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date
Signature: Jerry G Cromwell	6/2/92	Signature:		Signature:	
Printed Name: CPC Mechanical Inc.	Time: 12:32	Printed Name:	Time	Printed Name:	Time
Company:		Company:		Company:	
RECEIVED BY: Kate Mayer	Date 6/2/92	**RECEIVED BY**	Date	**RECEIVED BY (LAB)**	Date
Signature: KMAYER		Signature:		Signature:	
Printed Name: OAL	Time 12:32	Printed Name:	Time	Printed Name:	Time
Company:		Company:		Company:	

2 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice (Yes) No
Tape Seal Intact (Yes) No

Special Shipment/Handling Or Storage Requirements:
Please fax ASAP to 561-1216

Split Sample Location
None

Site Identification
H# 13326 AT# 2448
HMMD Mark McPherson

DHS:HM-999 (10/90) NCR

County of San Diego
Department of Health Services

HAZARDOUS MATERIALS MANAGEMENT DIVISION
UNDERGROUND TANK REMOVAL/CLOSURE REPORT

FIRE AGENCY PRESENT? ☒ YES ☐ NO
PERMIT NO. _____
DEPT. La Mesa
% L.E.L. 0%

ESTABLISHMENT # H3326 PLAN CHECK # AT 2448
SITE NAME SID's Auto Body / Funston & Carol Johnson PHONE _____
SITE ADDRESS 7243 Alvarado Rd, La Mesa CITY/ ZIP CODE 91941
CONTRACTOR CPC Mechanical PHONE 561-0100
NUMBER OF TANKS 1 ☒ REMOVAL ☐ CLOSURE IN PLACE

	001				REMARKS:
TANK EDP NUMBER	1				(1) Steel Tank with Very
U/L TAG NUMBER					Heavy Corrosion. At least
CAPACITY (GALS)	250gal				3 holes up to ½" dia.
MATERIAL STORED	Waste oil				(2) Coarse Sand with med. sized
DECONTAMINATION?	Yes, by	Vera 100gal to Domenn			Cobbles.
MANIFEST AVAILABLE?	Kerlan	#90789783			(3) Slight-Heavy Staining
% LEL (CGI READING)	0%				Slight-Moderate Odor
DRY ICE/OTHER (AMT)	15lbs				(4) Fine-coarse grained sandy-clay
TANK CONDITION	(1)				with small-med. cobbles.
BACKFILL SOIL TYPE	(2)				(5) Moderate-Heavy staining
BACKFILL CONDITION	(3)				
NATIVE SOIL TYPE	(4)				
NATIVE CONDITION	(5)				
EXCAVATION ODORS?	Slight				
STOCKPILE ODORS?	Slight				
PONDED PRODUCT?	NO				
PIPELINE LEAK?	N/A				
REINSPECTION REQUIRED?	NO				

NOTICE: You are hereby notified that on 6/2/92 a Hazardous Materials Specialist conducted an inspection for the closure of 1 hazardous substance underground storage tanks. A summary of the conditions follows:

☒ A determination of this site's status is pending receipt of Laboratory Analyses Results for samples taken this date. Results must be submitted within 30 days. To avoid delays, have the Laboratory send a copy of the results directly to Mark McPherson (print) of the (HMMD) see address below:

☐ Contamination of the excavation area has been noted by observations made during the tank removal this date. **BEGIN SITE ASSESSMENT PHASE**-(See reverse for details).

The Laboratory results have been reviewed by _____
(of the HMMD) on / / and indicate the following:
☐ NO FURTHER ACTION IS REQUIRED.
☐ **BEGIN SITE ASSESSMENT PHASE** (See attached information).
Phone Contact _____ Date Form was Mailed / /

Received By _____

Printed Name Jerry G Cromwell

Phone Number (619) 561-0100

(HMMD COPY)

Mark McPherson
Hazardous Materials Specialist
County of San Diego
Department of Health Services
HMMD - P. O. Box 85261
San Diego, CA 92138-5261
(619) 338-2222

DHS:HM-916 (10/89)

UNDERGROUND STORAGE TANK INSPECTION SCHEDULE

IST SCHEDULE ☐ RESCHEDULED ☐ FEE PAID ☐

DATE: 06-01-92 EST.# H13326 P.C.# AT2448

SPECIALIST: Mark McPherson FROM: Allen

INSPECTION DAY/DATE: Tuesday - 06-01-92

INSPECTION TIME: 9:00 AM

SITE ADDRESS: Feinstein & Carol Johnson 7243 Alvarado Rd, La Mesa 91941

CONTRACTOR: CPC Mechanical

CONTACT PERSON: Val Cromwell PHONE # (619) 561-0100

TYPE OF INSPECTION

CERTIFICATION AND PRESSURE TEST INSPECTION ☐

MONITORING EQUIPMENT AND INTEGRITY TEST VERIFICATION ☐

CLOSURE BY REMOVAL ☒ R/1 UST CLOSURE IN PLACE ☐

TANK REPAIR ☐ TANK SYSTEM REPIPE ☐

SPECIAL INSTRUCTIONS:

SPECIALISTS REMARKS:

REINSPECTION FEE DUE ☐

UPDATED PLANS REQUIRED ☐

COMMENTS:

(10/90)

UNDERGROUND STORAGE TANK INSPECTION SCHEDULE

IST SCHEDULE ☐ RESCHEDULED ☐ FEE PAID ☐

DATE: 05-27-92 EST.# H13326 P.C.# AT 2448

SPECIALIST: Robert Lapista FROM: Keller

INSPECTION DAY/DATE: Monday — 06-01-92

INSPECTION TIME: 1:00 P.M.

SITE ADDRESS: Winston & Carol Johnson 7243 Alvarado Rd., La Mesa 91941

CONTRACTOR: CPC Mechanical

CONTACT PERSON: Val Cromwell PHONE # (619) 561-0100

TYPE OF INSPECTION

CERTIFICATION AND PRESSURE TEST INSPECTION ☐

MONITORING EQUIPMENT AND INTEGRITY TEST VERIFICATION ☐

CLOSURE BY REMOVAL ☒ R/TEST CLOSURE IN PLACE ☐

TANK REPAIR ☐ TANK SYSTEM REPIPE ☐

SPECIAL INSTRUCTIONS:

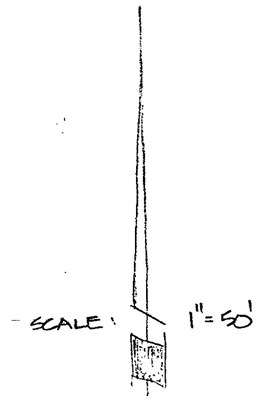
SPECIALISTS REMARKS:

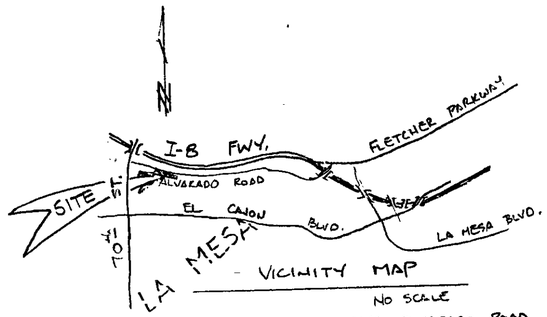
REINSPECTION FEE DUE ☐

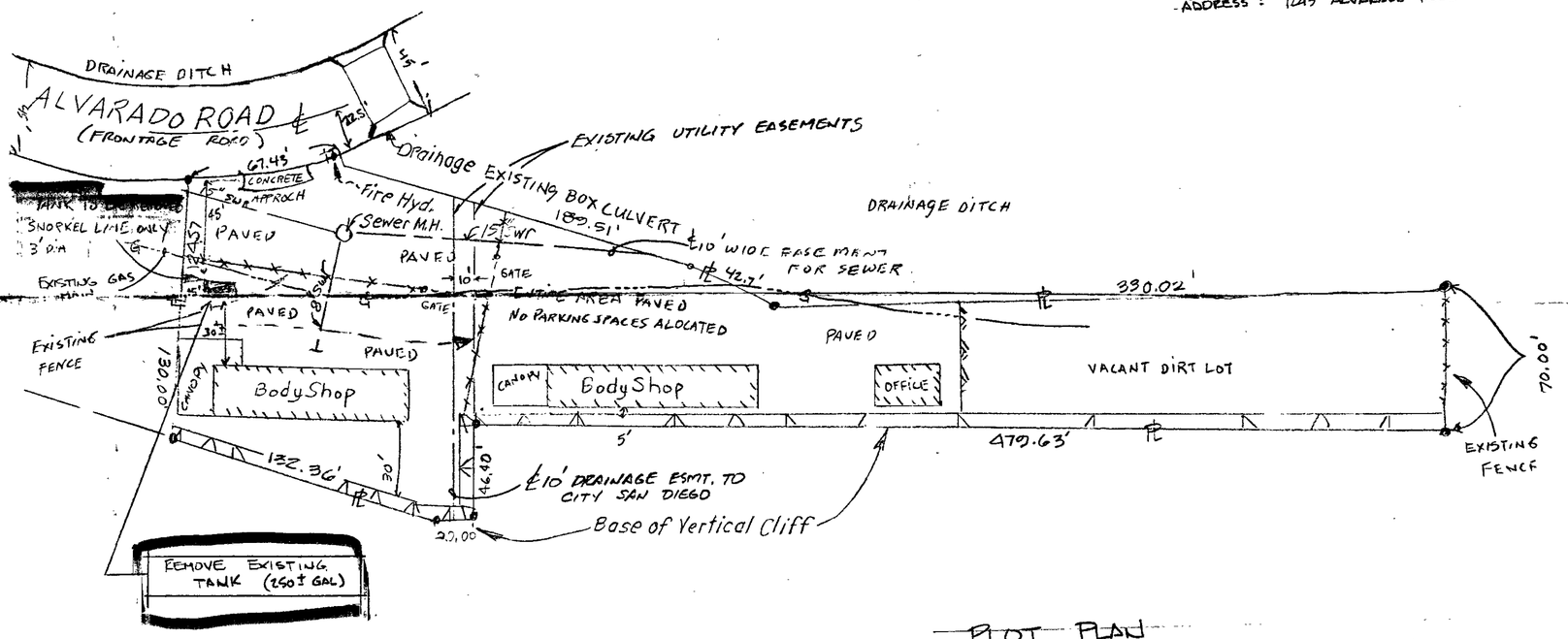
UPDATED PLANS REQUIRED ☐

COMMENTS: Appt. cancelled 6/1/92 before inspector went to site by Val Cromwell at CPC Mechanical. Verb did not show up to clean tank.

(10/90)







PLOT PLAN
STORAGE TANK REMOVAL
(UNDERGROUND)

LEGAL DESCRIPTION: PARCEL 4, PARCEL MAP 12752
ASSESSOR PARCEL NO.: 469-020-34
AREA: 2.55 AC. (111,078 S.F.)
SITE ADDRESS: 7243 ALVARADO ROAD, LA MESA, CA.

County of San Diego
Department of Health Services
Hazardous Materials Management Division

PLAN APPROVAL
PC# AT2448 H# 13326
Appr. M. Peter Date 11/19/91
Comm. Remove 1 UGST

"Any change in these plans may void this approval. This stamp does not constitute or imply approval by other agencies."

IMPORTANT: CONTACT THE DEPT. OF HEALTH SERVICES AT 338-2214 AT LEAST TWO WORKING DAYS BEFORE STARTING CONSTRUCTION TO SCHEDULE THE FIRST REQUIRED FIELD INSPECTION.

8ma-A

COUNTY OF SAN DIEGO

Page 1 of 2

EST. NO. H 37324
DATE 9/16/97
TIME START 8:30 END 9:40
BUS. CODE K26
SPECIALIST P. Chalmers
CONTACT Robert Tuttle
TITLE Mgr
PHONE 668-6200

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Advantage Auto Center
ADDRESS 7191 Alvarado Rd
CITY/ZIP La Mesa 91941

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

OCT 02 1997

Processed 10/9/97 JC File

Office Use Only

1) Health permit Application rec'd by HMMD dtd 7/18/97 - Facility began operation 8/15/97. When HMMD Inspection Report is processed Facility will be billed for permit fees and when fees are paid a health permit will be mailed to site.
2) Facility went thru AB 3205. A Business plan dtd 7/17/97 was rec'd by HMMD 7/24/97.
3) Facility recycles anti-freeze on site. (55 gal container of each)
4) Facility generates used oil, Solvent Sludge, Used oil Filters & used car batteries.
5) Assure that an EPA Id Number has been obtained from CAL EPA for this site (EPA Numbers are site specific) prior to disposal of hazardous waste.
6) Hazardous waste labels need to be on all used oil containers in use that all completely filled out.
7) Emergency contact info was submitted to HMMD
8) Facility stores 110 gals maximum of product motor oil 10W-30 wt.
9) Keep all hazardous waste disposal receipts for 3 years - on site.

[signature] 9/16/97 Manager

Signature of Business Representative | Date Signed | Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-924 (Rev. 1/96) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 37324

DATE 9/16/97

PAGE 2 OF 2

BUSINESS ADDRESS: 7191 Alvarado Rd - La Mesa 91944

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 OK — V0108 W____
- [ ] No EPA Identification Number 66262.12 — V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to DTSC 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with DTSC 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING

- [ ] Waste stored longer than 90, 180, or 270 days 66262.34 — V0221 W____
- [ ] Failure to clean up hazwaste off of floor surface 66262.10b — V0313 W____
- [X] Waste container missing/improperly labeled 66262.34 — V0222 W____
- [ ] Haz Materials not properly labeled 25124 — V0223 W____
- [ ] Waste container not kept closed 66265.173 — V0202 W____
- [ ] Waste container in poor condition 66265.171 — V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W____
- [ ] Damaged container not repackaged 66265.171 — V0226 W____
- [ ] Container incompatible with waste 66265.172 — V0207 W____
- [ ] Incompatibles in the same container 66265.177 — V0224 W____
- [ ] Incompatibles not stored separately 66265.177 — V0213 W____
- [ ] Ignitible Waste less than 50 feet 66265.176 — V0214 W____
- [ ] Ignitible Waste not grounded 66265.31 — V0215 W____
- [ ] Storage area not inspected weekly 66265.174 — V0216 W____

DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to _____ 25189.5 — V0313 W____
- [ ] Waste determination not made 66262.11 — V0319 W____
- [ ] Unlawful transport of haz. waste 25163 — V0315 W____
- [ ] Waste transported without manifest 66262.20 — V0316 W____
- [ ] Extremely Haz Waste Permit not obtained 25205.7 — V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [ ] Training records unavailable 66265.16 — V0405 W____
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 OK — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [ ] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered permitting) — V0125 W____
- [ ] Onsite treatment of waste without authorization 25201 — V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25284 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641(j) — V3001 T____
- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T____
- [ ] Improper liquid measurements 2646 — V3021 T____
- [ ] Stick in poor condition 2646 — V3022 T____
- [ ] Improper monthly reconciliation 2646 — V3023 T____
- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____
- [ ] No written monitoring procedure 2641 — V3027 T____
- [ ] No written emergency response plan 2641 — V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written emergency response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Unused tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____
- [ ] Failed to apply for temporary closure 25298 — V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 OK — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 OK — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- [ ] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 19 CCR 2732 — V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

ESTABLISHMENT REPRESENTATIVE — DATE SIGNED 9/16/97 — TITLE manager

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 10/96) NCR

Hazardous Materials

Management Division

SAN DIEGO REGIONAL

HAZARDOUS MATERIALS QUESTIONNAIRE

No SAM 437324

(K20)

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

Business Name	Contact Person	Telephone
Advantage Auto Center	Mike Caples	(760) 735-2790

Mailing Address	City	State	Zip	Plan File#
P.O. Box 461402	Escondido	CA	92046	

Site Address	City	State	Zip	Plan File#
7191 Alvarado RD.	LA Mesa	CA	91941	

PART I: FIRE DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: OCCUPANCY CLASSIFICATION

Indicate by circling the item, whether your business will use, process, or store any of the following hazardous materials. If any of the items are circled, applicant must contact the Fire Protection Agency with jurisdiction prior to plan submittal.

1. Explosive or Blasting Agents
2. Compressed Gases
3. Flammable or Combustible Liquids
4. Flammable Solids
5. Organic Peroxides
6. Oxidizers
7. Pyrophorics
8. Unstable Reactives
9. Water Reactives
10. Cryogenics
11. Highly Toxic or Toxic Materials
12. Radioactives
13. Corrosives
14. Other Health Hazards

PART II: COUNTY OF SAN DIEGO HEALTH DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: CONTINGENCY PLAN REVIEW:

If the answer to any of the questions is yes, applicant must contact the County of San Diego Hazardous Materials Management Division, 1255 Imperial Avenue, 3rd Floor, San Diego, CA 92186-5261. Telephone (619) 338-2222 prior to the issuance of a building permit.

building Permit 3312 Kurtz

FEES MAY BE REQUIRED $120.00

	Yes	No	
1.	X		Is your business listed on the reverse side of this form?
2.	X		Will your business dispose of Hazardous Substances or Medical Waste in any amount?
3.	X		Will your business store or handle Hazardous Substances in quantities equal to or greater than 55 gallons, 500 pounds, 200 cubic feet or carcinogens/reproductive toxins in any quantity?
4.		X	Will your business use an existing or install an underground storage tank?
5.		X	Will your business store or handle Acutely Hazardous Materials?

OFFICE USE ONLY

- [ ] RMPP Exempt — Date / Initials
- [ ] RMPP Required — Date / Initials
- [ ] RMPP Completed — Date / Initials

PART III: SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT

If the answer to any of the questions is yes, applicant must contact the Air Pollution Control District, 9150 Chesapeake Drive, San Diego, CA 92123. Telephone (619) 694-3307 prior to the issuance of a building permit.

(Soft Kleen)

	YES	NO	
1.		X	Will the intended occupant install or use any of the equipment listed on the Listing of Air Pollution Control District Permit Categories, on the reverse side of this form?
2.			(ANSWER ONLY IF QUESTION 1 IS YES.) Will the subject facility be located within 1,000 feet of the outer boundary of a school (K through 12) as listed in the current Directory of School and Community College Districts, published by the San Diego County Office of Education and the current California Private School Directory, compiled in accordance with provisions of Education Code Section 33190?

Briefly describe nature of the intended business activity: Auto Repair - general Rpr + mechanic — no bodywork

Name of Owner or Authorized Agent: Mike Caples

Signature of Owner or Authorized Agent: I declare under penalty of perjury that to the best of my knowledge and belief the responses made herein are true and correct. MS Caples

Do not write below this line — Date: 7/17/97

FIRE DEPARTMENT OCCUPANCY CLASSIFICATION:

BY: — Date:

EXEMPT FROM PERMIT REQUIREMENTS		APPROVED FOR BUILDING PERMIT BUT NOT OCCUPANCY		APPROVED FOR OCCUPANCY	
COUNTY-HMMD	APCD	COUNTY-HMMD	APCD	COUNTY-HMMD	APCD
		COUNTY OF SAN DIEGO REVIEWED SIGNATURE 7-17-97 DATE HMMD	7/18/97	COUNTY OF SAN DIEGO REVIEWED SIGNATURE 7-24-97 DATE HMMD	

Application/ Business Plan/ fee Required for permit app, BP recieved; $120 fee paid; an acceptable BP is req. prior to final. Joan Swanson

Environmental Health Services
DHS:HM-9171 (6/92)

County of San Diego
Department of Health Services

COUNTY OF SAN DIEGO

Page 1 of 3

EST. NO. H 37324
DATE 12-9-98
TIME START 9:20 END 11:20
BUS. CODE K 26
SPECIALIST MONNIER
CONTACT Bob Bowen
TITLE owner
PHONE 469-1895

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Bob Bowen's Auto Service
ADDRESS 7191 Alvarado Road
CITY/ZIP La Mesa, CA 91941

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

— New Site Inspection —

- Bob Bowen's Auto Service moved from 8381 La Mesa Blvd. (H12361) to 7191 Alvarado Road, La Mesa - on 11-30-98.
- Fees paid for permit renewal at old site (expires 12-31-98) are to be applied to New Site permit per conversation with permit clerk.

Remarks -

- All Disposal (Hazardous Waste) records are available for past 3 years
- Employee training in Hazardous materials/waste handling and emergency response done annually and documented
- All Hazardous Waste Containers secured and Labelled.
- New Site Application completed this Site Visit -

- Note - Within 30 days, complete the following Pages of the business plan and mail att Peter Monnier at address below
  - Page 20 - Emergency supply Inventory form
  - 21 - Emergency Coordinator Information
  - 22 - Site Map - (use symbols + example on page 9+10

12-9-98 — OWNER

Signature of Business Representative — Date Signed — Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-924 (Rev. 1/96) NCR

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 37324
DATE 12 / 9 / 98
PAGE 2 OF 3

Office Use Only

BUSINESS ADDRESS: 7191 Alvarado Road ZIP CODE: 91941

23-Emergency Response plan - use example - page 12
24-Employee Training Description - use example - page 14

Additional notes —
Handout of regulations for construction, operation and regulation of Hazardous Waste tanks - Left with Mr. Bowen.
— As discussed, the proposed plan to install two single wall polyethylene 225 gallon (¼" thick) containers and construct a cement Secondary Containment wall around them — would convert the containers to NON-portable tank status, and be governed by these regulations.
"New tank systems and components must have been or be designed, installed and have Independent ENGINEERING Assessment on file before placing a new tank system/component IN Service ..." (See handout for additional Management Standards — page 1 of handout — including - Design & INSTALLation of new tank & Components
- Containment & detection of releases, spills, Leaks
- General operating standards
- Tank inspection protocols (daily)
- Response to leaks or spills and tanks unfit for use
- Tank System - closure condition
- Ignitable or reactive waste
- INCompatible Waste - special requirements -

Signature of Business Representative 12998 Date Signed OWNER Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-9110 (3/96) NCR

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 37324

DATE 12 / 9 / 98

BUSINESS ADDRESS: 7191 Alvarado Road

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS: New Site No Violations

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 — V0108 W____
- [ ] No EPA Identification Number 66262.12 — V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
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TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

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- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [ ] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered pemitting) — V0125 W____
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II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
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- [ ] No owner/operator agreement 25284 — V3005 T____
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- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T____

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- [ ] Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
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- [ ] Improper liquid measurements 2646 — V3021 T____
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- [ ] Improper monthly reconciliation 2646 — V3023 T____
- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____
- [ ] No written monitoring procedure 2641 — V3027 T____
- [ ] No written emergency response plan 2641 — V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T____

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- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written emergency response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Unused tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____
- [ ] Failed to apply for temporary closure 25298 — V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- [ ] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 19 CCR 2732 — V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
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- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

ESTABLISHMENT REPRESENTATIVE	DATE SIGNED	TITLE
[signature]	12-9-98	OWNER

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 85261, San Diego, CA 92186-5261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

H 37324

Hazardous Materials

Management Division

SAN DIEGO REGIONAL

HAZARDOUS MATERIALS QUESTIONNAIRE

H37324

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

Business Name	Contact Person	Telephone
BOB BOWEN'S AUTO SERVICE	BOB BOWEN	(619) 469-1895

Mailing Address	City	State	Zip	Plan File#
7191 ALVARADO RD.	LA MESA	CA	91941	B98-607

Site Address	City	State	Zip	Plan File#
7191 ALVARADO RD	LA MESA	CA	91941	B98-607

PART I: FIRE DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: OCCUPANCY CLASSIFICATION

Indicate by circling the item, whether your business will use, process, or store any of the following hazardous materials. If any of the items are circled, applicant must contact the Fire Protection Agency with jurisdiction prior to plan submittal.

1. Explosive or Blasting Agents
2. Compressed Gases
3. Flammable or Combustible Liquids
4. Flammable Solids
5. Organic Peroxides
6. Oxidizers
7. Pyrophorics
8. Unstable Reactives
9. Water Reactives
10. Cryogenics
11. Highly Toxic or Toxic Materials
12. Radioactives
13. Corrosives
14. Other Health Hazards

PART II: COUNTY OF SAN DIEGO HEALTH DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: CONTINGENCY PLAN REVIEW:

If the answer to any of the questions is yes, applicant must contact the County of San Diego Hazardous Materials Management Division, 1255 Imperial Avenue, 3rd Floor, San Diego, CA 92186-5261. Telephone (619) 338-2222 prior to the issuance of a building permit.

Pam Raptis

$120.00 fee required

REG 04/20-99 13:51
CHK

FEES MAY BE REQUIRED

	Yes	No	
1.	☑	☐	Is your business listed on the reverse side of this form?
2.	☑	☐	Will your business dispose of Hazardous Substances or Medical Waste in any amount?
3.	☑	☐	Will your business store or handle Hazardous Substances in quantities equal to or greater than 55 gallons, 500 pounds, 200 cubic feet or carcinogens/reproductive toxins in any quantity?
4.	☐	☑	Will your business use an existing or install an underground storage tank?
5.	☐	☑	Will your business store or handle Acutely Hazardous Materials?

OFFICE USE ONLY

☐ RMPP Exempt

Date / Initials 154997

☐ RMPP Required

Date / Initials

☐ RMPP Completed

Date / Initials

PART III: SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT

If the answer to any of the questions is yes, applicant must contact the Air Pollution Control District, 9150 Chesapeake Drive, San Diego, CA 92123. Telephone (619) 694-3307 prior to the issuance of a building permit.

	YES	NO	
1.	☐	☑	Will the intended occupant install or use any of the equipment listed on the Listing of Air Pollution Control District Permit Categories, on the reverse side of this form?
2.	☐	☐	(ANSWER ONLY IF QUESTION 1 IS YES.) Will the subject facility be located within 1,000 feet of the outer boundary of a school (K through 12) as listed in the current Directory of School and Community College Districts, published by the San Diego County Office of Education and the current California Private School Directory, compiled in accordance with provisions of Education Code Section 33190?

Briefly describe nature of the intended business activity:

AUTOMOTIVE SERVICE AND REPAIRS - T.I.'s already done ~~in process~~ new business ~~permits~~

Name of Owner or Authorized Agent:

BOB BOWEN

Signature of Owner or Authorized Agent: I declare under penalty of perjury that to the best of my knowledge and belief the responses made herein are true and correct.

[signature] Date: 4-6-99

Do not write below this line

FIRE DEPARTMENT OCCUPANCY CLASSIFICATION:

BY: Date:

EXEMPT FROM PERMIT REQUIREMENTS		APPROVED FOR BUILDING PERMIT BUT NOT OCCUPANCY		APPROVED FOR OCCUPANCY	
COUNTY-HMMD	APCD	COUNTY-HMMD	APCD	COUNTY-HMMD	APCD
	COUNTY OF SAN DIEGO REVIEWED Estolano SIGNATURE 4/6/99 DATE HMMD	COUNTY OF SAN DIEGO REVIEWED Estolano SIGNATURE 4/6/99 DATE HMMD		COUNTY OF SAN DIEGO REVIEWED [signature] SIGNATURE 4-20-99 DATE HMMD	

per Jerry
Carrier
parts cleaner
will need permit

P.A. $120
B.P. & fee
required

Environmental Health Services
DHS:HM-9171 (6/92)

County of San Diego
Department of Health Services

INSPECTION DATE: 12/09/1998

SPECIALIST USE ONLY: pm

--FOR OFFICE USE ONLY--

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
P. O. BOX 129261, SAN DIEGO, CA 92112-9261 PHONE: 619-338-2222

ESTAB NUMBER	CENSUS TR/INC CODE	BUS CODE	UNITS	ANNUAL FEE	EXPIR DATE (MO-DAY)
H 37324					
2	21	28	31	35	41

SIC-1	SIC-2	FIRE	WATER	SEWER	ZONING	MAP ON FILE	STATUS	ASSESSOR'S PARCEL NO.
45	49	53	55	57	59	61	62	64

- PLEASE COMPLETE THE FOLLOWING SECTION -

ESTABLISHMENT OWNER NAME: ROBERT EDWARD BOWEN (74)

(AREA) OWNER PHONE: 619 - 440 1393 (104)

ESTABLISHMENT ADDRESS:

STREET NUMBER: 7191 (114)

DIRECTION: — (125)

STREET NAME: ALVARADO ROAD (127)

BLDG/SUITE: — (147)

CITY: LA MESA (151)

STATE: CA (166)

ZIP CODE: 91941 - 5249 (168)

(AREA) BUSINESS PHONE: 619 - 469 1895 (177)

SECOND NAME OR NAME OF MANAGEMENT COMPANY: — NONE — (187)

MAILING ADDRESS (IF DIFFERENT FROM ESTABLISHMENT ADDRESS):

STREET NUMBER (217)

DIRECTION (228)

STREET NAME (230)

BLDG/SUITE (250)

CITY (254)

STATE (269)

ZIP CODE (271)

ESTABLISHMENT NAME: X BOB BOWEN'S AUTO SERVICE (284)

GAS STATION (YES = 1, OTHER = 2): 2 (314)

REASON FOR APPLICATION: 1 (315)
1 - NEW
2 - RE-OPEN
3 - OWNER CHANGE

NUMBER OF EMPLOYEES: 10

IF OTHER, LIST TYPE OF BUSINESS: AUTO REPAIRS

NAME OF PREVIOUS OWNER: — NONE — (316)

DATE BUS ASSUMED (346)

CONTACT PERSON (352)

***** ALL APPLICANTS PLEASE COMPLETE APPROPRIATE SUPPLEMENTARY FORMS *****

I DECLARE UNDER PENALTY OF PERJURY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THE STATEMENTS MADE HEREIN ARE CORRECT AND TRUE. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS MADE PURSUANT TO LAW AND INCIDENTAL TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THIS BUSINESS.

SIGNATURE _____ DATE 4-7-99

DEH:HM-927 (Rev. 10/97)

H37324

County of San Diego

GARY ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
HAZARDOUS MATERIALS MANAGEMENT DIVISION

RICHARD HAAS
ASSISTANT DIRECTOR

Dear Business Owner/Operator:

The County of San Diego regulates establishments which use hazardous materials, dispose of hazardous wastes and/or have underground storage tanks. The primary purpose for these regulations is to protect the health and safety of San Diego County citizens and emergency response personnel.

Your business has been identified as a potential user of hazardous materials or producer of hazardous waste.

The attached questionnaire will be useful in determining if your business is subject to the hazardous materials requirements. Three separate sections of this questionnaire define different ways hazardous materials may be handled at your business.

Complete each section of the questionnaire and the hazardous materials summary on Page 4. The San Diego County Code requires all business owners/operators who receive this questionnaire to return it within 30 days to the Department of Environmental Health, Hazardous Materials Management Division. Please use the enclosed return envelope.

If you have any questions, regarding the completion of this questionnaire please contact the Hazardous Materials Management Division at (619) 338-2222.

Thank you for assisting us in our efforts to improve the health and safety of San Diego County residents.

Enclosures

SECTION A - HAZARDOUS WASTE GENERATION

NOTE: If you know that your business generates, stores or handles hazardous wastes, please continue with Section B of the questionnaire. All others must complete #1 through #6 that follows.

1. Does your business or service generate, store or handle any of the by-products or wastes listed in the box below?

YES ☒ NO ☐

Circle the letters of the categories found at your business.

A. Solvents
   a. Halogenated - chloroform, methyl chloride.
   b. Oxygenated - acetone, butanol, ethyl acetate.
   c. Hydrocarbons - benzene, hexane, stoddard.
   d. Unspecified solvent mixtures.

B. Sludges - Alum, paint, degreasing, caustic, paper, tetraethyl lead, lime, tank bottom waste and metal sludge.

C. Waste Oil/Mixed Oil - Waste motor oil, fuel tank cleaning residue, oil separation waste, lube oil processing waste.

D. Pesticides and Pesticide Rinse Water - Parathion, Malathion, Diazinon, and other pesticides; pesticide residue from container rinsing.

E. PCB - Mineral oil contaminated-electrical capacitors, ballasts, and electrical transformers.

F. Monomer/Polymeric Resin Waste - Plastic coating and laminating waste, resin coating, metal binding and coating resin rinse waters.

G. Biological Waste - Infectious hospital waste, laboratory and pharmaceutical research waste exceeding 100 kg/month.

H. Organic Liquid/Solids - Polymer extrusion waste, PVC coating residue, adhesive waste, organic stripper from semi-conductor processing waste.

I. Contaminated Aqueous Solutions:
   a. With reactive anions - azide, bromate, chlorate, cyanide, fluoride, hypochlorate, nitrite, perchlorate, sulfide anions, plating rinse solutions, metal coatings and metal parts cleaning solutions.
   b. With heavy metals - including antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium and zinc.
   c. With organic residues - including degreasing and metal cleaning solutions, equipment cleaning, dry cleaning, anticorrosion and coolant solution wastes.

J. Acid Solutions - Wastes battery acid, plating waste, printed circuit etching residue, silicon wafer reclamation and cleaning wastes, galvanizing wastes, other acidic solution wastes with $pH \leq 2$.

K. Alkaline Solutions - Wastes from metal plating, anodizing and etching, containing sodium or calcium hydroxide, and other solutions with $pH \geq 12.5$.

L. Asbestos - Insulation products, old pipe laging.

M. Metal Sludges and Dusts - Metal machining coolant sludges, metal pickling sludges, metal machining dusts.

N. Miscellaneous - Chemical toilet waste, photochemical processing waste, laboratory chemical wastes, drilling mud, soap and detergent production wastes.

2. Do you dispose of any items in #1 by discharging them into the sewer system including down sinks, floor drains, toilets, etc.?

YES ☐ NO ☒ If yes, which category(ies) of by-product or wastes?

3. Do you dispose of any items listed in #1 in a way other than disposal into the sewer system (for example, trash cans, dumpster, storm drain, on the ground, evaporation ponds, land fills, etc)? YES ☐ NO ☒

If yes, which category(ies) of by-products or wastes? _____

4. Do you recycle any of the items listed in #1 through another company/contractor or by yourself? YES ☒ NO ☐

If yes, which category(ies) of by-products or wastes? WASTE OIL AND USED ANTIFREEZE

5. Do you manifest (prepare the required transportation document for hazardous wastes) any items listed in #1? YES ☒ NO ☐

6. If you answered "yes" to any of the questions (1, 3, 4, or 5) your business or service does generate hazardous waste and a permit from the San Diego County Department of Environmental Health is required. Continue with Section B of the questionnaire.

PLEASE RETURN THIS SECTION

SECTION B - INVENTORY OF HAZARDOUS MATERIALS

A "hazardous substance" is a chemical compound, or product for which a manufacturer or producer is required by law to prepare a Material Safety Data Sheet (MSDS) for that substance. An MSDS is a document (usually 2 or 3 pages) which contains chemical composition information, fire and explosive data, health hazard data, reactivity data, spill or leak procedures, special protection information and special precaution information. An MSDS for a hazardous substance can be obtained from the supplier of that substance. Hazardous substances also include materials requiring placard warnings during transportation.

1. Does your establishment use or handle hazardous, substances in quantities equal to or greater than 55 gallons, 500 pounds, or 200 cubic feet of compressed gas at any one time?

   Yes ☐ No ☑

2. Review the health hazards data or health and safety section of the Material Safety Data Sheets (MSDS) to see if any chemicals or substances you use are designated as a cancer-causing substance (carcinogen) or substance which may cause birth defects, miscarriages, or damage to the human reproductive system (reproductive toxin). Does your establishment use or handle carcinogens or reproductive toxins?

   Yes ☐ No ☑

3. Does your establishment use or handle gases with Threshold Limit Values (TLV) or Time Weighted Average (TWA) of 10 parts per million or less?

   Yes ☐ No ☑

If you have answered "Yes" to any of the above questions (1, 2, or 3), you do use or handle hazardous materials that are subject to inventory requirements and a permit from the San Diego County Department of Environmental Health is required. Continue with Section C of the questionnaire.

SECTION C - UNDERGROUND STORAGE TANKS

An "underground storage tank" is a tank, including piping, which holds hazardous wastes (as defined in Section A) or hazardous substances (as defined in Section B, regardless of volume) and has 10% or more of the total volume located below grade.

Does your business have underground storage tanks as defined above?

Yes ☐ No ☑

If you answered "yes", a permit from the San Diego County Department of Environmental Health is required.

Underground storage tanks may not be installed, removed, destroyed, repaired or operated without permits from this Department.

Continue with the Hazardous Materials Summary on page 4.

PLEASE RETURN THIS SECTION

HAZARDOUS MATERIALS SUMMARY

Complete the following information regarding the handling of hazardous materials at your business or service. Check one statement.

☑ This business or service does generate hazardous waste, handles hazardous materials subject to the inventory requirements and/or has underground storage tanks that requires a permit from the San Diego County Department of Environmental Health.

☐ I have determined that this business or service does not generate hazardous waste, handle hazardous materials subject to the inventory requirements or has underground storage tanks requiring permits from the San Diego County Department of Environmental Health.

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature _____ Title OWNER

Date 4-7-99 Phone (619) 469-1895

Type of Business AUTO REPAIR AND SERVICE

Please complete the business information on the following page and return this questionnaire to the San Diego County Department of Environmental Health in the pre-addressed return envelope or mail using the following address.

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 129261
SAN DIEGO CA 92112-9261

If a San Diego County Hazardous Materials Management Permit is required for your business or service a representative of this Department will complete an inspection of your business. Permit fees will be determined from the inspection and a billing statement will be mailed.

NOTE: If you do not use hazardous materials, generate hazardous waste, or have underground storage tanks you are still required to return this form.

A representative of the San Diego County Department of Environmental Health may contact you to verify the information provided on this questionnaire.

Hazardous Materials

Management Division

SAN DIEGO REGIONAL

HAZARDOUS MATERIALS QUESTIONNAIRE

K 70

H37324

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

Business Name	Contact Person	Telephone
BOB BOWEN'S AUTO SERVICE	BOB BOWEN	(619) 469-1895

Mailing Address	City	State	Zip	Plan File#
7191 ALVARADO RD.	LA MESA	CA	91941	B98-607

Site Address	City	State	Zip	Plan File#
7191 ALVARADO RD	LA MESA	CA	91941	B98-607

PART I: FIRE DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: OCCUPANCY CLASSIFICATION

Indicate by circling the item, whether your business will use, process, or store any of the following hazardous materials. If any of the items are circled, applicant must contact the Fire Protection Agency with jurisdiction prior to plan submittal.

1. Explosive or Blasting Agents
2. Compressed Gases
3. Flammable or Combustible Liquids
4. Flammable Solids
5. Organic Peroxides
6. Oxidizers
7. Pyrophorics
8. Unstable Reactives
9. Water Reactives
10. Cryogenics
11. Highly Toxic or Toxic Materials
12. Radioactives
13. Corrosives
14. Other Health Hazards

PART II: COUNTY OF SAN DIEGO HEALTH DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: CONTINGENCY PLAN REVIEW:

Pam Raptis

If the answer to any of the questions is yes, applicant must contact the County of San Diego Hazardous Materials Management Division, 1255 Imperial Avenue, 3rd Floor, San Diego, CA 92186-5261. Telephone (619) 338-2222 prior to the issuance of a building permit.

$120.00 fee required

FEES MAY BE REQUIRED

	Yes	No	
1.	☑	☐	Is your business listed on the reverse side of this form?
2.	☑	☐	Will your business dispose of Hazardous Substances or Medical Waste in any amount?
3.	☑	☐	Will your business store or handle Hazardous Substances in quantities equal to or greater than 55 gallons, 500 pounds, 200 cubic feet or carcinogens/reproductive toxins in any quantity?
4.	☐	☑	Will your business use an existing or install an underground storage tank?
5.	☐	☑	Will your business store or handle Acutely Hazardous Materials?

OFFICE USE ONLY

☐ RMPP Exempt

Date / Initials

☐ RMPP Required

Date / Initials

☐ RMPP Completed

Date / Initials

PART III: SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT

If the answer to any of the questions is yes, applicant must contact the Air Pollution Control District, 9150 Chesapeake Drive, San Diego, CA 92123. Telephone (619) 694-3307 prior to the issuance of a building permit.

	YES	NO	
1.	☐	☑	Will the intended occupant install or use any of the equipment listed on the Listing of Air Pollution Control District Permit Categories, on the reverse side of this form?
2.	☐	☐	(ANSWER ONLY IF QUESTION 1 IS YES.) Will the subject facility be located within 1,000 feet of the outer boundary of a school (K through 12) as listed in the current Directory of School and Community College Districts, published by the San Diego County Office of Education and the current California Private School Directory, compiled in accordance with provisions of Education Code Section 33190?

Briefly describe nature of the intended business activity:

AUTOMOTIVE SERVICE AND REPAIRS – T.I.'s already ~~in process~~ done new operator

Name of Owner or Authorized Agent:

BOB BOWEN

Signature of Owner or Authorized Agent: I declare under penalty of perjury that to the best of my knowledge and belief the responses made herein are true and correct.

[signature] Date: 4-6-99

Do not write below this line

FIRE DEPARTMENT OCCUPANCY CLASSIFICATION: _____

BY: _____ Date: _____

EXEMPT FROM PERMIT REQUIREMENTS		APPROVED FOR BUILDING PERMIT BUT NOT OCCUPANCY		APPROVED FOR OCCUPANCY	
COUNTY-HMMD	APCD	COUNTY-HMMD	APCD	COUNTY-HMMD	APCD
	COUNTY OF SAN DIEGO REVIEWED Estolano SIGNATURE DATE HMMD	COUNTY OF SAN DIEGO REVIEWED Estolano SIGNATURE DATE HMMD			

per Jerry Carrier parts cleaner will need permit SL

P.A. $120 B.P. & Fee required before final

Environmental Health Services
DHS:HM-9171 (6/92)

County of San Diego
Department of Health Services

LIST OF BUSINESSES WHICH REQUIRE REVIEW AND APPROVAL FROM COUNTY OF SAN DIEGO HEALTH DEPARTMENT THE HAZARDOUS MATERIALS MANAGEMENT DIVISION

AUTOMOTIVE

Battery Manufacturing/Recycling
Boat Yard
Car Wash
Dealership Maintenance and Paint
Machine Shop
Painting
Radiator Shop
Rental Yard Equipment
Repair, Preventive Maintenance
Repair, Major Overhaul
Transportation Services
Wrecking and Recycling

METAL WORKING

Anodizing
Chemical Milling/Etching
Finish-Coating, Painting
Flame Spraying
Foundry
Machine Shop-Drilling, Lathes, Mills
Metal Plating
Metal Prepping/Chemical Coating
Precious Metal Recovery
Sand Blasting, Grinding
Steel Fabricator
Wrought Iron Manufacturing

CHEMICAL HANDLING

Agricultural Suppliers/Distributors
Chemical Suppliers/Distributors
Chemical Manufacturer
Coatings/Adhesives
Compressed Gas Supplier/Distributor
Dry Cleaning
Fiberglass/Resin Applications
Gas Station
Industrial Laundry
Laboratories
Laboratory Suppliers/Distributors
Oil and Fuel Bulk Supply
Pesticide Operator/Distributor
Photographic Processing
Pool Supplies/Maintenance
Printing/Blue Printing
Road Coatings
Swimming Pool (Gas Chlorination Systems Only)
Toxic Gas Handler
Toxic Gas Mfg.

ELECTRONICS

Electronics Components Mfg.
Electronics Assembly and Sub Assembly
Printed Circuit Board Mfg.

OTHERS AND MISCELLANEOUS

Asphalt Plant
Chiropractic Offices
Co-Generation Plant
Dental Clinic/Offices
Dialysis Centers
Frozen Food Processing Facilities
Government Agencies
Hazardous Waste Haulers
Hospitals/Convalescent Homes
Laboratories, Biological Laboratories
Medical Clinics/Offices
Public Utilities
Rock Quarry
Veterinary Clinic/Hospitals
Wood/Furniture Manufacturer/Refinishing
Ship Repair/Construction

AEROSPACE

Aerospace Industry
Aircraft Manufacturing
Aircraft Maintenance

NOTE: THE ABOVE LIST INCLUDES BUSINESSES WHICH TYPICALLY USE, STORE, HANDLE AND DISPOSE OF HAZARDOUS SUBSTANCES. ANY BUSINESS NOT INCLUDED ON THIS LIST WHICH HANDLES, USES OR DISPOSES OF HAZARDOUS SUBSTANCES MAY STILL REQUIRE HAZARDOUS MATERIALS MANAGEMENT DIVISION (HMMD) REVIEW OF BUSINESS PLANS. FOR MORE INFORMATION CALL (619)338-2222.

LISTING OF AIR POLLUTION CONTROL DISTRICT PERMIT CATEGORIES

Businesses which include any of the following operations or equipment will require clearance from the Air Pollution Control District.

CHEMICAL

47-Organic Gas Sterilizers
32-Acid Chemical Milling
33-Can & Coil Manufacturing
44-Evaporators, Dryers & Stills Processing Organic Materials
24-Dry Chemical Mixing & Detergent Spray Towers
35-Bulk Dry Chemical Storage

COATINGS & SURFACE PREPARATION

01-Abrasive Blasting Equipment
27-Coating & Painting
37-Plasma Arc & Ceramic Deposition Spray Booths
38-Paint, Stain & Ink Mfg.

METALS

18-Metal Melting Devices
19-Oil Quenching & Salt Baths
32-Hot Dip Galvanizing
39-Precious Metals Refining

ORGANIC COMPOUND MARKETING (GASOLINE, ETC.)

25-Gasoline & Alcohol Bulk Plans & Terminals
25-Intermediate Refuelers
26-Gasoline & Alcohol Fuel Dispensing

COMBUSTION

34-Piston Internal-Combustion Engines
13-Boilers & Heaters (1 Million Btu/Hr. or larger)
13-Gas Turbines, and Turbine Test Cells & Stands
14-Incinerators & Crematories
15-Burn Out Ovens
16-Core Ovens

ELECTRONICS

29-Solder Levelers
29-Hydrosqueegees
42-Electronic Component Manufacturing

FOOD

12-Fish Canneries
12-Smoke Houses
50-Coffee Roasters
35-Bulk Flour & Powdered Sugar Storage.

ROCK AND MINERAL

04-Hot Asphalt Batch Plants
05-Rock Drills
07-Sand Rock & Aggregate Plants
08-Concrete Batch, CTB, Concrete Mixers, Mixers & Silos
10-Brick Manufacturing

SOLVENT USE

28-Vapor & Cold Degreasing
30-Solvent & Extract Driers
31-Dry Cleaning

OTHER

03-Asphalt Roofing Kettles and Tankers
46-Reverse Osmosis Membrane Mfg.
51-Aqueous Waste Neutralization
11-Tire Buffers
17-Brake Debonders
23-Bulk Grain & Dry Chemical Transfer & Storage
45-Rubber Mixers
48-Landfill Gas Flare or Recovery Systems
21-Waste Disposal & Reclamation Units
36-Grinding Booths & Rooms
40-Asphalt Pavement Heaters
43-Ceramic Slip Casting
41-Perlite Processing
40-Cooling Towers-Registration Only

NOTE: OTHER EQUIPMENT NOT LISTED HERE THAT IS CAPABLE OF EMITTING AIR CONTAMINANTS MAY REQUIRE AN AIR POLLUTION CONTROL DISTRICT PERMIT. IF THERE ARE ANY QUESTIONS, CONTACT THE AIR POLLUTION CONTROL DISTRICT AT (619) 694-3307.

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2
EST. NO. H 37324
DATE 3/21/22/2000
TIME START 8:00 END 9:15
BUS. CODE K26
SPECIALIST Fitzmaurice
CONTACT Bob Bowen
TITLE Owen
PHONE 619-469-1895

BUSINESS NAME Bob Bowen's
ADDRESS 7191 Alvarado Rd.
CITY/ZIP La Mesa, 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

R B 1

APR 13 2000

Routine Inspection

- Health Permit on site. Expires 11/30/00.
- Emergency contact information updated.
- Employee Training documentation reviewed. Training in hazardous materials/wastes and emergency preparedness appears to be adequate.
- Hazardous Materials Business Plan reviewed. No changes to plan made.
- Business provided with 'Waste Determination for Generators' handout 3/22/00 (Fitz)
- Waste disposal receipts reviewed.

Signature of Business Representative | Date Signed 3-22-00 | Title OWNER

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-924 (Rev. 2/99) NCR

DISTRIBUTION: WHITE- RETURN TO HMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

EST. NUMBER H 37324

DATE 3 121-22/2000

PAGE 2 OF 2

BUSINESS ADDRESS: 7191 Alvarado Rd. La Mesa 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 — V0108 W____
- [ ] No EPA Identification Number 66262.12 — V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to DTSC 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with DTSC 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING

- [ ] Waste stored longer than 90, 180, or 270 days 66262.34 — V0221 W____
- [ ] Failure to clean up hazwaste off of floor surface 66262.10b — V0313 W____
- [ ] Waste container missing/improperly labeled 66262.34 — V0222 W____
- [ ] Haz Materials not properly labeled 25124 — V0223 W____
- [ ] Waste container not kept closed 66265.173 — V0202 W____
- [ ] Waste container in poor condition 66265.171 — V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W____
- [ ] Damaged container not repackaged 66265.171 — V0226 W____
- [ ] Container incompatible with waste 66265.172 — V0207 W____
- [ ] Incompatibles in the same container 66265.177 — V0224 W____
- [ ] Incompatibles not stored separately 66265.177 — V0213 W____
- [ ] Ignitible Waste less than 50 feet 66265.176 — V0214 W____
- [ ] Ignitible Waste not grounded 66265.31 — V0215 W____
- [ ] Storage area not inspected weekly 66265.174 — V0216 W____

DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to _____ 25189.5 — V0313 W____
- [ ] Waste determination not made 66262.11 — V0319 W____
- [ ] Unlawful transport of haz. waste 25163 — V0315 W____
- [ ] Waste transported without manifest 66262.20 — V0316 W____
- [ ] Extremely Haz Waste Permit not obtained 25205.7 — V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [ ] Training records unavailable 66265.16 — V0405 W____
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [ ] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered pemitting) — V0125 W____
- [ ] Onsite treatment of waste without authorization 25201 — V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25284 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641(j) — V3001 T____
- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T____
- [ ] Improper liquid measurements 2646 — V3021 T____
- [ ] Stick in poor condition 2646 — V3022 T____
- [ ] Improper monthly reconciliation 2646 — V3023 T____
- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____
- [ ] No written monitoring procedure 2641 — V3027 T____
- [ ] No written emergency response plan 2641 — V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written emergency response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Unused tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____
- [ ] Failed to apply for temporary closure 25298 — V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- [ ] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 19 CCR 2732 — V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

ESTABLISHMENT REPRESENTATIVE	DATE SIGNED	TITLE
[signature]	3-22-00	OWNER

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 129261, San Diego, CA 92112-9261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 1/98) NCR

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2
EST. NO. H 37324
DATE 5/23/01
TIME START 9:30 END 11:10
BUS. CODE K26
SPECIALIST A. Seigel
CONTACT Robert Bowen
TITLE Owner
PHONE 469-1895

BUSINESS NAME Bob Bowens Auto Service
ADDRESS 7191 Alvarado Rd
CITY/ZIP La Mesa 91941

6/18/01

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

Routine Inspection

JUN 12 2001

① Employee Training documentation is unavailable for the current year. The last documentation was in 1999.
-corrective action: within 30 days, provide refresher training to employees on topics stated in your business plan. Document training & maintain onsite & available for review.

Remarks: Health Permit posted expires 11/30/01
Business Plan is onsite & current
Disposal receipts are onsite & available for review for past 3 years
Hazardous Waste containers are properly labeled & appear in good condition.
-Ensure small amounts of liquid ~~[illegible]~~ in waste oil secondary containment is disposed of with next pickup. Containment should be kept dry to monitor for leaks.
Emergency Response Information verified

[signature] 5-23-01 OWNER

Signature of Business Representative | Date Signed | Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-924 (Rev. 2/99) NCR

DISTRIBUTION: WHITE- RETURN TO HMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

EST. NUMBER H 37324

COMPLIANCE INSPECTION REPORT

DATE 5/23/01

PAGE 2 OF 2

BUSINESS ADDRESS: 7191 Alvarado Rd La Mesa 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19/22/23 of the California Code of Regulations (CCR), Chapters 6.5, 6.7, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

I HAZARDOUS WASTE REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.905 — V0108 W____
- [ ] No EPA Identification Number 66262.12 — V0105 W____
- [ ] Waste Manifests/Receipts not on-site for 3 years 66262.40 — V0118 W____
- [ ] Manifest not properly completed 66262.23 — V0120 W____
- [ ] Manifest copy not sent to DTSC 66262.23 — V0115 W____
- [ ] TSDF signed-manifest not on-site 66262.40 — V0121 W____
- [ ] Biennial report not sent to DTSC 66262.41 — V0122 W____
- [ ] LDR Documentation not available 66268.7 — V0123 W____
- [ ] Exception Rpt. not filed with DTSC 66262.42 — V0116 W____
- [ ] Operating TSDF without authorization 25201 — V0124 W____

STORAGE AND HANDLING

- [ ] Waste stored longer than 90, 180, or 270 days 66262.34 — V0221 W____
- [ ] Failure to clean up hazwaste off of floor surface 66262.10b — V0313 W____
- [ ] Waste container missing/improperly labeled 66262.34 — V0222 W____
- [ ] Haz Materials not properly labeled 25124 — V0223 W____
- [ ] Waste container not kept closed 66265.173 — V0202 W____
- [ ] Waste container in poor condition 66265.171 — V0205 W____
- [ ] Waste container(s) not properly managed 66265.173 — V0210 W____
- [ ] Damaged container not repackaged 66265.171 — V0226 W____
- [ ] Container incompatible with waste 66265.172 — V0207 W____
- [ ] Incompatibles in the same container 66265.177 — V0224 W____
- [ ] Incompatibles not stored separately 66265.177 — V0213 W____
- [ ] Ignitible Waste less than 50 feet 66265.176 — V0214 W____
- [ ] Ignitible Waste not grounded 66265.31 — V0215 W____
- [ ] Storage area not inspected weekly 66265.174 — V0216 W____

DISPOSAL AND TRANSPORTATION

- [ ] Unauth. disposal of waste to _____ 25189.5 — V0313 W____
- [ ] Waste determination not made 66262.11 — V0319 W____
- [ ] Unlawful transport of haz. waste 25163 — V0315 W____
- [ ] Waste transported without manifest 66262.20 — V0316 W____
- [ ] Extremely Haz Waste Permit not obtained 25205.7 — V0317 W____

TRAINING, CONTINGENCY PLAN & EMERGENCY PROCEDURES

- [X] Training records unavailable 66265.16 — V0405 W1
- [ ] Training program not adequate 66265.16 — V0406 W____
- [ ] Facility not designed to minimize release 66265.31 — V0501 W____
- [ ] Spill control equip not available 66265.32 — V0508 W____
- [ ] Aisle space is obstructed 66265.35 — V0509 W____
- [ ] Contingency plan not prepared and/or on file 66265.51, 66265.53 — V0609 W____

MISCELLANEOUS

- [ ] Waste oil contaminated 25250.7 — V0225 W____
- [ ] Used oil filters improperly managed 66266.130 — V0701 W____
- [ ] Damaged batteries improperly managed 66266.81 — V0702 W____
- [ ] Facility has failed to notify local CUPA and DTSC of onsite treatment of hazardous waste (tiered pemitting) — V0125 W____
- [ ] Onsite treatment of waste without authorization 25201 — V0125 W____

II UNDERGROUND STORAGE TANK (UST) REQUIREMENTS:

GENERAL UST REQUIREMENTS

- [ ] Health Permit not obtained 68.1005, 25284 — V3002 T____
- [ ] Repair/modify/close permit not obtained 68.1005 — V3007 T____
- [ ] UST Permit Application not submitted 25286(a) — V3010 T____
- [ ] Operating permit conditions violated 2712 — V3011 T____
- [ ] Failed to notify HMMD of changes 25284 — V3012 T____
- [ ] No owner/operator agreement 25284 — V3005 T____
- [ ] No records of financial coverage 25292.2 — V3013 T____
- [ ] No maint/monit/calib records available 2712(b), 2641(j) — V3001 T____
- [ ] Monitoring Equip. not tested annually 2630, 2641 — V3003 T____

MONITORING REQUIREMENTS (SINGLE WALL)

- [ ] Leak Detection Method does not meet performance standards 2643 — V3014 T____
- [ ] Integrity test not conducted 25292 — V3015 T____
- [ ] Copy of tank test not submitted to HMMD within 30 days 2643 — V3016 T____
- [ ] Manual tank gauging (<2000 gal) 2645 not done properly — V3017 T____
- [ ] Reconciliation not done properly 2646 — V3018 T____
- [ ] Reconciliation not approved for facility 2646 — V3019 T____
- [ ] Dispenser meter(s) not calib annually 2646 — V3020 T____
- [ ] Improper liquid measurements 2646 — V3021 T____
- [ ] Stick in poor condition 2646 — V3022 T____
- [ ] Improper monthly reconciliation 2646 — V3023 T____
- [ ] Failed to report excessive variation 2646 — V3024 T____
- [ ] Pressurized Product Piping Leak Device not tested annually 25292 — V3025 T____
- [ ] No written monitoring procedure 2641 — V3027 T____
- [ ] No written emergency response plan 2641 — V3027 T____
- [ ] SIR reporting incorrectly done 2646.1 — V3004 T____

MONITORING REQUIREMENTS (DOUBLE WALL)

- [ ] Monitoring system not functional 2632 — V3026 T____
- [ ] No written monitoring procedure 2632 — V3027 T____
- [ ] Written emergency response plan not available 2632 — V3028 T____
- [ ] Spill/Overfill equip. not maintained or installed 2635 — V3029 T____

RELEASE REPORTING

- [ ] Failure to report an unauthorized release 25295 — V3009 T____
- [ ] Release record log not available 2651, 2650 — V3030 T____
- [ ] No leak report/investigation/action 2652 — V3031 T____

CLOSURE

- [ ] Temporary closure req. not completed 2671 — V3006 T____
- [ ] Unused tank not properly closed 25298 — V3032 T____
- [ ] Permanent closure req. not completed 2672 — V3033 T____
- [ ] Failed to apply for temporary closure 25298 — V3008 T____

III HAZARDOUS MATERIALS BUSINESS PLAN REQUIREMENTS:

RECORD KEEPING

- [ ] Health Permit not obtained SDCC 68.1105 — V2001 W____
- [ ] Business Plan not established/implemented 25503.5 — V2002 W____
- [ ] Business Plan not submitted to HMMD 25505 — V2007 W____
- [ ] Business Plan not amended 25505 — V2003 W____
- [ ] Personnel Training Records not available 19 CCR 2732 — V2302 W____

RELEASE REPORTING

- [ ] Failure to report a release/threatened release 25507 — V2008 W____

BUSINESS PLAN ELEMENTS

- [ ] Emergency Response Plan inadequate 25504 — V2201 W____
- [ ] Emergency Contacts not provided/current 25509 — V2203 W____
- [ ] Personnel Training Program inadequate 25504 — V2301 W____
- [ ] Inventory is incomplete 25504 — V2005 W____
- [ ] Site Map is not sufficient 25509 — V2202 W____
- [ ] Acutely Haz. Mat. not registered 25533 — V2009 W____

ALL VIOLATIONS MUST BE CORRECTED. PLEASE CALL (619) 338-2222 OR YOUR INSPECTOR IF YOU HAVE ANY QUESTIONS.

ESTABLISHMENT REPRESENTATIVE	DATE SIGNED	TITLE
[signature]	5-23-01	OWNER

Department of Environmental Health, Hazardous Materials Management Division, P. O. Box 129261, San Diego, CA 92112-9261

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-923 (Rev. 1/98) NCR

rsd. 5/6/03 tmn

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

PERMIT # 137324

SPECIALIST Waara

INSPECTION DATE: 12/2/02

CONTACT

BUSINESS NAME Bob Bowen's Auto Service

ADDRESS 7181 Alvarado Rd CITY La Mesa ZIP 91941

VIOL #	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (ATTACH ANY SUPPORTING DOCUMENTATION TO THIS FORM)
1	120302	Mailed Check for Health Permit.
2	120302	Conducting on Safety Procedures -
3		
4		
5		
6		
7		
8		
9		
10		

I certify under penalty of law that this business/site has corrected all violations marked on the Compliance Inspection Report /Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the business/site, and am aware that there are significant penalties for submitting false information.

Responsible Party (Print Name): BOB BOWEN **Job Title** OWNER

Signature of Responsible Party: [signature] **Date:** 12/03/02

Fax # - 88 694-3705

< Mail completed form and supporting documentation to the address listed below >

COUNTY OF SAN DIEGO USE ONLY: **Reviewed by:** _____ **Date:** _____

Specialist's comments: _____

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; 1-800-253-9933

DEH:HM-926 (Revised 05/02) NCR

DISTRIBUTION: WHITE-RETURN TO HMD; YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 12/2/02
PERMIT # 137324
TIME START 2:00 END 1:30
BUS. CODE K26
SPECIALIST Waava
INSPECTION CONTACT/TITLE
Bob Bowen / owner
PHONE: (619) 469-1195
PROSD 02/07/03 UC FILE

BUSINESS NAME Bob Bowen's Auto Service
ADDRESS 7191 Alvarado Road
CITY/ZIP La Mesa CA 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Y	N/A		Y	N/A	
☐	☐	Unified Program Facility Permit current and available			Permit Expires on: 11/30/02
☒	☐	Hazardous Materials Business Plan available	☒	☐	Contingency Plan available
☒	☐	Employee Training is adequate	☐	☐	Employee Training records available
☒	☐	Waste disposal records available for review	☒	☐	Waste containers kept closed
☒	☐	Emergency contacts current ☐ Updated today	☒	☐	Waste containers kept labeled
☒	☐	Chemical inventory current ☒ Updated today	☒	☐	Waste containers in good condition

Routine inspection!

JAN 17 2003

- Violations / Notice to comply -

1. Unified Program facility permit expired on 11/30/02. Manager has stated this arrived mid November. Corrective action: Please pay all applicable fees to bring permit by 12/7/02.

2. Unable to review training documentation this day. Corrective action: By 12/16/02 conduct and document a training session covering the (4) topics listed in the hazardous materials business plan. Fax or mail documentation to the hazardous materials division.

Remarks:

- Observed (2) brake washing units onsite.
- Observed (4) 55-gallon containers of antifreeze. 2 are product and (2) are waste antifreeze that is recycled by interfluid.
- Observed (2) above ground storage tank of product oil approximately 110 gal each.

☒ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

Signature of Business Representative | 12-02-02 Date Signed | OWNER Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; sdcdeh.org

DEH:HM-924 (Rev. 05/02) NCR DISTRIBUTION: WHITE- RETURN TO HMD YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PERMIT # 137324
DATE 12 2 02
PAGE 2 OF 2

BUSINESS ADDRESS: 9191 Alvarado Rd. La Mesa ZIP: 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19 & 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS WASTE REQUIREMENTS

RECORDKEEPING

Viol #		VIOL	VIOLATION DESCRIPTION
1	☑	V0131	UPF Permit not obtained SDCC. 68.905
	☐	V0132	No EPA Identification Number. 66262.12
	☐	V0133	Manifest copy not sent to DTSC. 66262.23
	☐	V0134	Exception Rpt. not filed with DTSC. 66262.42
	☐	V0135	Waste Manifests/Receipts not on-site for 3 years. 66262.40
	☐	V0136	No records of battery disposal. 66262.81
	☐	V0137	Manifest not properly completed. 66262.23
	☐	V0138	TSDF signed-manifest not on-site. 66262.40
	☐	V0139	Biennial report not sent to DTSC. 66262.41
	☐	V0140	LDR Documentation not available. 66268.7
	☐	V0141	Operating TSDF without authorization. 25201
	☐	V0142	Failed to notify local CUPA of onsite treatment of hazardous waste. 25201
	☐	V0143	Tiered Permitting notification has incomplete or incorrect information. 25201
	☐	V0144	SB14 compliance doc. not available. 25244.19
	☐	V0145	Excluded recyclable materials report not submitted to HMD. 25143.10

STORAGE AND HANDLING

	☐	V0201	Waste container not kept closed. 66265.173
	☐	V0202	Waste container missing/improperly labeled. 66262.34, 25143.9
	☐	V0203	Damaged container not repackaged. 66265.171
	☐	V0204	Waste container not properly managed. 66265.173
	☐	V0205	Waste container in poor condition. 66265.171
	☐	V0206	Ignitable Waste < 50 feet of property line. 66265.176
	☐	V0207	Ignitable Waste not grounded. 66265.31
	☐	V0208	Storage area not inspected weekly. 66265.174
	☐	V0209	Waste stored > 90, 180, or 270 days. 66262.34
	☐	V0210	Hazwaste not cleaned up off floor surface. 66262.10b
	☐	V0211	Incompatibles in the same container. 66265.177
	☐	V0212	Incompatibles not stored separately. 66265.177
	☐	V0213	Container incompatible with waste. 66265.172
	☐	V0214	Waste oil contaminated. 25250.7
	☐	V0215	Used oil filters improperly managed. 66266.130
	☐	V0216	Hazardous materials not properly labeled. 25124

DISPOSAL AND TRANSPORTATION

	☐	V0301	Unauth. disposal of waste to:_____. 25189.5
	☐	V0302	Unlawful transportation of hazardous waste. 25163
	☐	V0303	Waste transported without a manifest. 66262.20
	☐	V0304	Waste determination not made. 66262.11

TRAINING, CONTINGENCY PLAN & ER PROCEDURES

Viol #		VIOL	VIOLATION DESCRIPTION
2	☑	V0401	Training records unavailable. 66265.16
	☐	V0402	Training program not adequate. 66265.16
	☐	V0403	Facility not designed to minimize release. 66265.31
	☐	V0404	Spill control equip not available. 66265.32
	☐	V0405	Aisle space is obstructed. 66265.35
	☐	V0406	Contingency plan not prepared and/or on file. 66265.51, 66265.53

HAZARDOUS WASTE TANK SYSTEMS

	☐	V1601	Hazwaste tanks w/o P.E. assessment. 66265.191a, 66265.192a
	☐	V1602	P.E. Assessment report not complete. 66265.191g, 66265.192k
	☐	V1603	Hazwste tank system: no secondary containment. 66265.193a
	☐	V1604	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
	☐	V1605	No daily tank inspection/inspect. log 66265.195 (b&c)
	☐	V1606	Improper or absent spill/overfill protection. 66265.194b
	☐	V1607	Improper corrosion protection. 66265.191, 66265.192
	☐	V1608	Integrity assessment not done for tanks without secondary containment system. 66265.191
	☐	V1609	Improper use of hazardous waste tank system. 66265.196
	☐	V1610	No PE assessment report for repairs/changes. 66265.196g
	☐	V1611	Improper closure of haz waste tank unit. 67383.3, 66265.197

HAZARDOUS MATERIALS REQUIREMENTS

BUSINESS PLAN REQUIREMENTS

	☐	V1001	UPF permit not obtained for Haz. Materials. 68.905
	☐	V1002	Hazardous Materials Business Plan (HMBP) not established/implemented. 25503.5
	☐	V1003	HMBP not amended to reflect changes25505
	☐	V1004	HMBP not submitted to HMD. 25505
	☐	V1005	Emergency Contacts not provided/current. 25509
	☐	V1006	Inventory is incomplete. 25504
	☐	V1007	Highly toxic gas (TLV≤10 ppm) not disclosed in chemical inventory. 68.1113
	☐	V1008	Annual carcinogen & reproductive toxin list not submitted to HMD 68.1113
	☐	V1009	Site map is not sufficient. 25509
	☐	V1010	Failure to report a release/threatened release. 25507
	☐	V2504	Owner or operator (O/O) Stationary Source (SS) with >TPQ of a regulated substance (RS) did not comply with Chapter 4.5 (CalARP process). 2745.1
	☐	V2553	O/O of a new or modified SS with >TPQ of RS did Not submit RMP. 2735.4, 25535 (d)

SIGNATURE OF BUSINESS REPRESENTATIVE

12-02-02
DATE SIGNED

OWNER
TITLE OF BUSINESS REPRESENTATIVE

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 8/30/04
PERMIT # 137324
TIME START 11:40 END 12:40
BUS. CODE K26
SPECIALIST FitzMaurice
INSPECTION CONTACT/TITLE Bob Bowen / Owner
PHONE: (619) 469-1895 passed 9/29/04 BB fax

BUSINESS NAME Bob Bowen
ADDRESS 7191 Alvarado Rd.
CITY/ZIP La Mesa, 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available			Permit Expires on: 11/30/04
☑	☐	Hazardous Materials Business Plan available	☑	☐	Contingency Plan available
☑	☐	Employee Training is adequate	☐	☑	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☐ Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

☐ All violations noted on this compliance inspection report were corrected during this inspection.

Routine Inspection

SEP 17 2004

- Observed one 5-gallon capacity metal bucket containing Berryman's carb-dip containing methylene chloride. Be advised that chlorinated automotive products, such as methylene chloride, have been banned from use at auto repair shops since 12-31-02.

- Containers storing hazardous waste (oil, oil filters, anti-freeze) observed to be properly managed and labeled.

- Hazardous waste disposal receipts/manifests reviewed.

- Hazardous Materials Business Plan observed to be current

- Business provided with Chlorinated Automotive Product Use handout

☑ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

Signature of Business Representative | 8/30/04 Date Signed | OWNER Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; sdcdeh.org

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PERMIT # 137324
DATE 9/30/04
PAGE 2 OF 2

BUSINESS ADDRESS: 7191 Alvarado ZIP: 91941

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19 & 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.95 of the Health and Safety Code (HSC), and/or the San Diego County Code (SDCC).

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

HAZARDOUS WASTE REQUIREMENTS

RECORDKEEPING

Viol #		VIOL	VIOLATION DESCRIPTION
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	☐	V0134	Exception Rpt. not filed with DTSC. 66262.42
	☐	V0135	Waste Manifests/Receipts not on-site for 3 years. 66262.40
	☐	V0136	No records of battery disposal. 66262.81
	☐	V0137	Manifest not properly completed. 66262.23
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	☐	V0144	SB14 compliance doc. not available. 25244.19
	☐	V0145	Excluded recyclable materials report not submitted to HMD. 25143.10

STORAGE AND HANDLING

	☐	V0201	Waste container not kept closed. 66265.173
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	☐	V0203	Damaged container not repackaged. 66265.171
	☐	V0204	Waste container not properly managed. 66265.173
	☐	V0205	Waste container in poor condition. 66265.171
	☐	V0206	Ignitable Waste < 50 feet of property line. 66265.176
	☐	V0207	Facility no maintained/operated to minimize possibility of fire, explosion or release. 66265.31
	☐	V0208	Storage area not inspected weekly. 66265.174
	☐	V0209	Waste stored > 90, 180, or 270 days. 66262.34
	☐	V0210	Hazwaste not cleaned up off floor surface. 66262.10b
	☐	V0211	Incompatibles in the same container. 66265.177
	☐	V0212	Incompatibles not stored separately. 66265.177
	☐	V0213	Container incompatible with waste. 66265.172
	☐	V0214	Waste oil contaminated. 25250.7
	☐	V0215	Used oil filters improperly managed. 66266.130
	☐	V0216	Hazardous materials not properly labeled. 25124

DISPOSAL AND TRANSPORTATION

	☐	V0301	Unauth. disposal of waste to:_____. 25189.5
	☐	V0302	Unlawful transportation of hazardous waste. 25163
	☐	V0303	Waste transported without a manifest. 66262.20
	☐	V0304	Waste determination not made. 66262.11

TRAINING, CONTINGENCY PLAN & ER PROCEDURES

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V0401	Training records unavailable. 66265.16
	☐	V0402	Training program not adequate. 66265.16
	☐	V0403	Facility not designed to minimize release. 66265.31
	☐	V0404	Spill control equip not available. 66265.32
	☐	V0405	Aisle space is obstructed. 66265.35
	☐	V0406	Contingency plan not prepared and/or on file. 66265.51, 66265.53

HAZARDOUS WASTE TANK SYSTEMS

N/A

	☐	V1601	Hazwaste tanks w/o P.E. assessment. 66265.191a, 66265.192a
	☐	V1602	P.E. Assessment report not complete. 66265.191g, 66265.192k
	☐	V1603	Hazwste tank system: no secondary containment. 66265.193a
	☐	V1604	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
	☐	V1605	No daily tank inspection/inspect. log 66265.195 (b&c)
	☐	V1606	Improper or absent spill/overfill protection. 66265.194b
	☐	V1607	Improper corrosion protection. 66265.191, 66265.192
	☐	V1608	Integrity assessment not done for tanks without secondary containment system. 66265.191
	☐	V1609	Improper use of hazwaste tank system. 66265.196
	☐	V1610	No PE assessment report-repairs/changes. 66265.196g
	☐	V1611	Improper closure of haz waste tank unit. 67383.3, 66265.197

HAZARDOUS MATERIALS REQUIREMENTS

BUSINESS PLAN REQUIREMENTS

	☐	V1001	UPF permit not obtained for Haz. Materials. 68.905
	☐	V1002	Hazardous Materials Business Plan (HMBP) not established/implemented. 25503.5
	☐	V1003	HMBP not amended to reflect changes25505
	☐	V1004	HMBP not submitted to HMD. 25505
	☐	V1005	Emergency Contacts not provided/current. 25509
	☐	V1006	Inventory is incomplete. 25504
	☐	V1007	Highly toxic gas (TLV≤10 ppm) not disclosed in chemical inventory. 68.1113
	☐	V1008	Annual carcinogen & reproductive toxin list not submitted to HMD 68.1113
	☐	V1009	Site map is not sufficient. 25509
	☐	V1010	Failure to report a release/threatened release. 25507
	☐	V1011	Personnel Training records not available. 19 CCR 2732
	☐	V1012	SPCC Plan required but not prepared. 25270.5 (c)
	☐	V2504	Owner or operator (O/O) Stationary Source (SS) with >TPQ of a regulated substance (RS) did not comply with Chapter 4.5 (CalARP process). 2745.1
	☐	V2553	O/O of a new or modified SS with >TPQ of RS did Not submit RMP. 2735.4, 25535 (d)

SIGNATURE OF BUSINESS REPRESENTATIVE

9.30.04
DATE SIGNED

OWNER
TITLE OF BUSINESS REPRESENTATIVE

DEH:HM-923 (Revised 09/02) NCR

DISTRIBUTION: WHITE-RETURN TO HMD; YELLOW-BUSINESS RETAINS

Entered: 5/04/06 by AWallido

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 2/15/06
PERMIT # 137324
TIME START 11:15 END 12:45
BUS. CODE K26
SPECIALIST Fitzmaurice
INSPECTION CONTACT/TITLE Robert Bowen / Owner
PHONE: (619) 469-1895

BUSINESS NAME Bob Bowen's Auto
ADDRESS 7191 Alvarado Rd.
CITY/ZIP La Mesa 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available			Permit Expires on: 11/30/06
☑	☐	Hazardous Materials Business Plan available	☑	☐	Contingency Plan available
☑	☐	Employee Training is adequate	☐	☑	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☐ Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

☐ All violations noted on this compliance inspection report were corrected during this inspection.

Routine Inspection

RECEIVED MAR 0 8 2006

- Hazardous waste disposal receipts reviewed on site.
- Containers storing hazardous waste (used oil, oil filters, antifreeze) observed to be properly managed/covered and labeled.
- Observed one 5-gallon capacity metal bucket containing 'Berryman' carburetor cleaner with methylene chloride.
- Hazardous Materials Business Plan (site map, employee training description, emergency response plan) observed to be current.

☑ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

Signature of Business Representative | 2/15/06 Date Signed | OWNER Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; sdcdeh.org

ENTERED SEP 18 2007

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 7/23/07
PERMIT # 137324
TIME START 2:30 END 4:20
BUS. CODE K26
SPECIALIST Fitzmaurice
INSPECTION CONTACT/TITLE
Robert Bowen/Owner
PHONE: (619) 469-1895

BUSINESS NAME Bob Bowen's Auto
ADDRESS 7191 Alvarado Road
CITY/ZIP La Mesa 91941

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available			Permit Expires on: 11/30/07
☑	☐	Hazardous Materials Business Plan available	☑	☐	Contingency Plan available
☑	☐	Employee Training is adequate	☐	☑	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☑ Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

Routine Inspection

- Hazardous waste disposal receipts reviewed.
- Containers storing hazardous waste observed to be properly managed/covered and labeled.
- Emergency contact information updated.

RECEIVED AUG 2 8 2007

☑ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

ok as per Joseph Rhome
Initials of Business Representative

Joseph Rhome
Signature of Business Representative

7/23/07
Date Signed

MANAGER
Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2377 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

ENTERED FEB 17 2009

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 1/16/09
PERMIT# 137324 BUS. CODE K26
TIME START 1:55 END 3:30
SPECIALIST C. Hoxie
INSPECTION CONTACT Bob Bowen
TITLE Owner
PHONE (619) 469-1895

BUSINESS NAME Bob Bowen's Auto Service
ADDRESS 7191 Alvarado Rd
CITY/ZIP La Mesa 91941

On the above date, the County inspected your business under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

Y*	N/A*	NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.	Y*	N/A*	
☒	☐	Unified Program Facility Permit current	☐	☒	Permit Expires on: 11/30/09
☒	☐	Hazardous Materials Business Plan available	☐	☒	Contingency Plan available ☐LQG ☒SQG
☒	☐	Employee training is adequate	☐	☒	Employee training records available
☒	☐	Waste disposal records available for review	☒	☐	Universal waste managed properly
☒	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers ☒closed ☒labeled
☐	☐	Chemical inventory/map current ☒Updated today	☒	☐	Waste containers in good condition

Consent to inspect granted by: ☒ Inspection Contact ☐ Other: _____

THIS BUSINESS DOES GENERAL AUTO REPAIR & MAINTENANCE.

FLUORESCENT LIGHT TUBES WERE ALL CHANGED OUT TO H/E TYPE. AEROSOL CANS ARE PROPERLY MANAGED. ONES OBSERVED IN TRUNK ARE EMPTY. CHLORINATED CLEANER IS STILL ON SITE.

RECEIVED JAN 28 2009

DELETED SOLVENT PARTS WASHER. AQUEOUS P.W. AUTOMAT IN USE FOR SEVERAL YEARS. OLD P.W. IS EMPTY. LABEL AS "EMPTY".

BE SURE TO KEEP SECONDARY CONTAINMENT FOR THE USED OIL DRUMS FREE OF LIQUID AS IS PRACTICAL TO ACCOMODATE SPILLS BETTER.

HAZARDOUS WASTE LABELS (INFO) ON A.F. DRUMS IS FADING. RE-DO INFO.

NO VIOLATIONS OBSERVED TODAY.

☒ This is an annual certification that the Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

PRINTED NAME OF BUSINESS REPRESENTATIVE
Bob Bowen

DATE SIGNED
1/16/09

SIGNATURE OF BUSINESS REPRESENTATIVE
X

TITLE OF BUSINESS REPRESENTATIVE

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Toll Free: (800) 253-9933 http://www.sdcdeh.org

R-1

FILE WORK SHEET

137324
AT4945

DATE	COMMENTS	INITIALS
8-14-03	Received application with INCOMPLETE	
	payment ($565.00) ck# 79693 from	
	Ningo & Moore for the removal of one (1)	
	UST. DO NOT RELEASE PERMIT until the	
	balance of $30.00 is received.	CND
8/18/03	PERMIT APPROVED	RVK
8-18-03	Informed Sean McGoey permit is	
	ready for pick-up, but still need	
	$30.00 & answer to UST workplan.	
8-18-03	Scheduled for Tank Removal Inspection	
	on Wednesday 20 AUG 2003 at 9:00 AM	
	for K. Huth. Received $30.00 ck	
	#79734 from Ningo & Moore.	CND
9/30/03	NFA FROM SAM	MDV
10-2-03	Closed per M Vernetti. TO main file.	CND
9-1-06	Tank TOOL removed, Haz mat open, to main file,	SC
	no active tanks on site.	

GENERAL PERMIT - CLEARANCE CHECKLIST

Application | Address | Owner | Profess | **Checklist** | Scope | Fee Calc | Fee P | Comments

Permit Type: HUAT **#:** 4945 **Project:** 6HT23 **Date:** 15-AUG-2003

APN: 469-020-30-00 7191 ALVARADO RD SDC

X	Activity	Description	Assgd To	Target End Date	Decision	By	Decision Date	- Nodes - Beg	End	Cmt
☐	6HURECEIVE	PERMIT APPLICATION RECEIV		15-AUG-2003	6HCOMPLETE	CDELACRU	18-AUG-2003	1	2	☐
☐	6HUAPPROV	PLAN CHECK PERMIT APPROV	RRAPISTA	13-SEP-2003	6HCOMPLETE	RRAPISTA	18-AUG-2003	2	3	☑
☐	6HUREMOVE	REMOVAL/CLOSURE INSPECT	KHUTH	20-AUG-2003	6HCOMPLETE	KHUTH	20-AUG-2003	3	4	☑
☐	6HU_LAB	LAB DATA RECEIVED - UST		12-SEP-2004	6HCOMPLETE	KHUTH	26-SEP-2003	3	5	☐
☐	6HUDATA	DATA ENTRY COMPLETED - U		03-OCT-2003	6HCOMPLETE	CDELACRU	30-SEP-2003	4	5	☐
☐	6HUCLOSED	UST PLAN CHECK PERMIT CL		27-OCT-2004	6HCOMPLETE	CDELACRU	02-OCT-2003	5	6	☑
☐	6LSAM	SAM REVIEW	KHUTH	28-OCT-2004	6LCOMPLETE	MVERNEEH	30-SEP-2003	6	7	☑
☐										☐
☐										☐
☐										☐
☐										☐
☐										☐
☐										☐
☐										☐

Dept: 6DEH **Dur:** 45 **Comment:** CLOSED PER M VERNETTI. TO MAIN FILE.

Stat: DONE **Dur Type:** C

◉ All Activities ○ Only Available

Permit Signoff | Activity Point | Add Activity | Assign Activities

137324

Ninyo & Moore
Geotechnical and Environmental Sciences Consultants

2003 OCT 17 AM 11:11

October 14, 2003
Project No. 104804004

Mr. Stephen K. Smith
Berryman & Henigar
1255 Imperial Avenue, Suite 1000
San Diego, California 92101-7490

Subject: Underground Storage Tank Removal and Closure
Mission Valley East Light Rail Transit Corridor
La Mesa, California

Reference: Permit for Underground Storage Tank Construction/Closure, Bob Bowen Auto Service, 7191 Alvarado Road, La Mesa, California, 91941, prepared by County of San Diego Department of Environmental Health, dated August 18, 2003

Dear Mr. Smith:

In accordance with your request, Ninyo & Moore completed the underground storage tank (UST) removal activities at the subject site. Ninyo & Moore prepared and submitted an UST removal permit application, conducted the removal of the UST, and collected and analyzed soil samples from beneath the UST at the subject site (Figure 1). The services were performed under the General Engineering Services Contract between Berryman & Henigar and Ninyo & Moore dated December 20, 2002.

PURPOSE AND SCOPE OF WORK

The purpose of this project was to provide environmental consulting services associated with removal of a fuel oil UST at Bob Bowen's Auto Service, 7191 Alvarado Road, La Mesa, California, in accordance with the County of San Diego Department of Environmental Health (DEH) and the La Mesa Fire Department requirements. The scope of work included:

- preparing and submitting the applicable DEH and City of La Mesa Fire Department UST removal permit applications and fees,
- preparing and submitting the applicable DEH Post Tank Removal Work Plan,
- excavating to the top of the UST and cutting an access hole in the top UST,
- excavating soil around the UST,

- removing the UST in the presence of the DEH and City of La Mesa Fire Department,
- collecting soil samples from beneath the UST for laboratory analysis,
- backfilling of the excavation and site cleanup, and
- preparing this report.

PERMITTING AND PROJECT COORDINATION

On August 14, 2003, Ninyo & Moore personnel prepared and submitted an Application For Permit to Close Underground Storage Tank System, and a Work Plan For Underground Storage Tank Closure to the County of San Diego DEH for review and approval (attached). Both the permit and work plan were approved by the DEH on August 18, 2003. Ninyo & Moore proceeded with coordinating the UST cleaning and removal efforts with the hazardous waste subcontractor and the City of La Mesa Fire Department.

FIELD ACTIVITIES

On August 19, 2003, Ninyo & Moore supervised the uncovering of the UST by Ace Excavating and Environmental Services using a backhoe. The top of the UST was opened to facilitate cleaning of the UST. Upon visual inspection of the UST, the interior was empty and petroleum hydrocarbon vapors were not detected. On August 20, 2003, Ninyo & Moore personnel, the DEH project specialist, Mr. Kent Huth, and a City of La Mesa Fire Department inspector, Mr. Robert Scott, observed the removal of the UST. The DEH project specialist inspected the UST and observed rust on the tank and multiple holes on the bottom and sides of the UST. The UST system closure report prepared by the DEH is attached. The backfill and native soil did not contain petroleum hydrocarbon odors or visible staining with the exception of minor rust staining. Two soil samples were collected from beneath the UST at the direction of the DEH, one from under the west end of the UST (T1-W-8') and one from under the east end of the UST (T1-E-8') (Figure 2). The soil samples were collected at a depth of two feet below the UST base (8 feet below ground surface) using a backhoe. Ninyo & Moore personnel immediately placed the soil into new, labeled, laboratory-supplied glass jars with screw-top lids and placed the jars in a chilled

cooler for transport to HP Laboratories facility in Solana Beach, California, for analytical testing. A copy of the chain-of-custody documentation and laboratory report are attached.

The soil samples were analyzed for total petroleum hydrocarbons in the extended range (C5 through C36) by the United States Environmental Protection Agency (USEPA) Department of Health Services Leaking Underground Fuel Tank test method 8015M, and total recoverable petroleum hydrocarbons (TRPH) by USEPA test method 418.1. The soil sample with the highest concentration of TRPH was also analyzed for volatile organic compounds and fuel oxygenates by USEPA test method 8260B.

FINDINGS

A summary of the soil analytical results is presented on the following table:

Table 1 – Soil Analytical Results

Sample ID	TRPH	TPH	VOCs/Oxygenates
T1-W-8'	11	ND	ND
T1-E-8'	ND	ND	NA

Notes:
TRPH - Total recoverable petroleum hydrocarbons, reported in milligrams per kilogram
TPH - Total petroleum hydrocarbons (C5 through C36), reported in milligrams per kilogram
VOCs-Volatile organic compounds, reported in micrograms per kilogram
Oxygenates - Methyl tert-butyl ether, di-isopropyl ether, ethyl tert-butyl ether, tert-amyl methyl ether, reported in micrograms per kilogram
ND - Not detected
NA - Not analyzed

CONCLUSION

The analytical results indicate that total recoverable petroleum hydrocarbons were detected in the soil beneath the west end of the former UST. The typical level for additional assessment is 500 milligrams per kilogram for fuel oil. Therefore, Ninyo & Moore recommends no further action regarding site assessment or mitigation activities with respect to the subject UST system.

A copy of this report should be submitted to the following agency for their review and comment:

County of San Diego
Department of Environmental Health
Land and Water Quality Division

1255 Imperial Avenue, Third Floor
San Diego, California 92101
Attention: Mr. Kent Huth

It should be noted that soil containing detectable concentrations of contaminants above background levels may be considered a waste. Therefore, soil generated by future excavation in this area may be subject to Regional Water Quality Control Board waste discharge requirements upon reuse, export, or disposal. Anyone performing subsurface work in this area should be alerted to the potential for encountering volatile organic compounds including fuel oxygenates, and appropriate health and safety training and soil management plans should be prepared and followed.

LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific

chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

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

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

We appreciate the opportunity to be of continued service to you on this project. If you have any questions regarding this submittal, please contact the undersigned at 858/576-1000.

Sincerely,
NINYO & MOORE

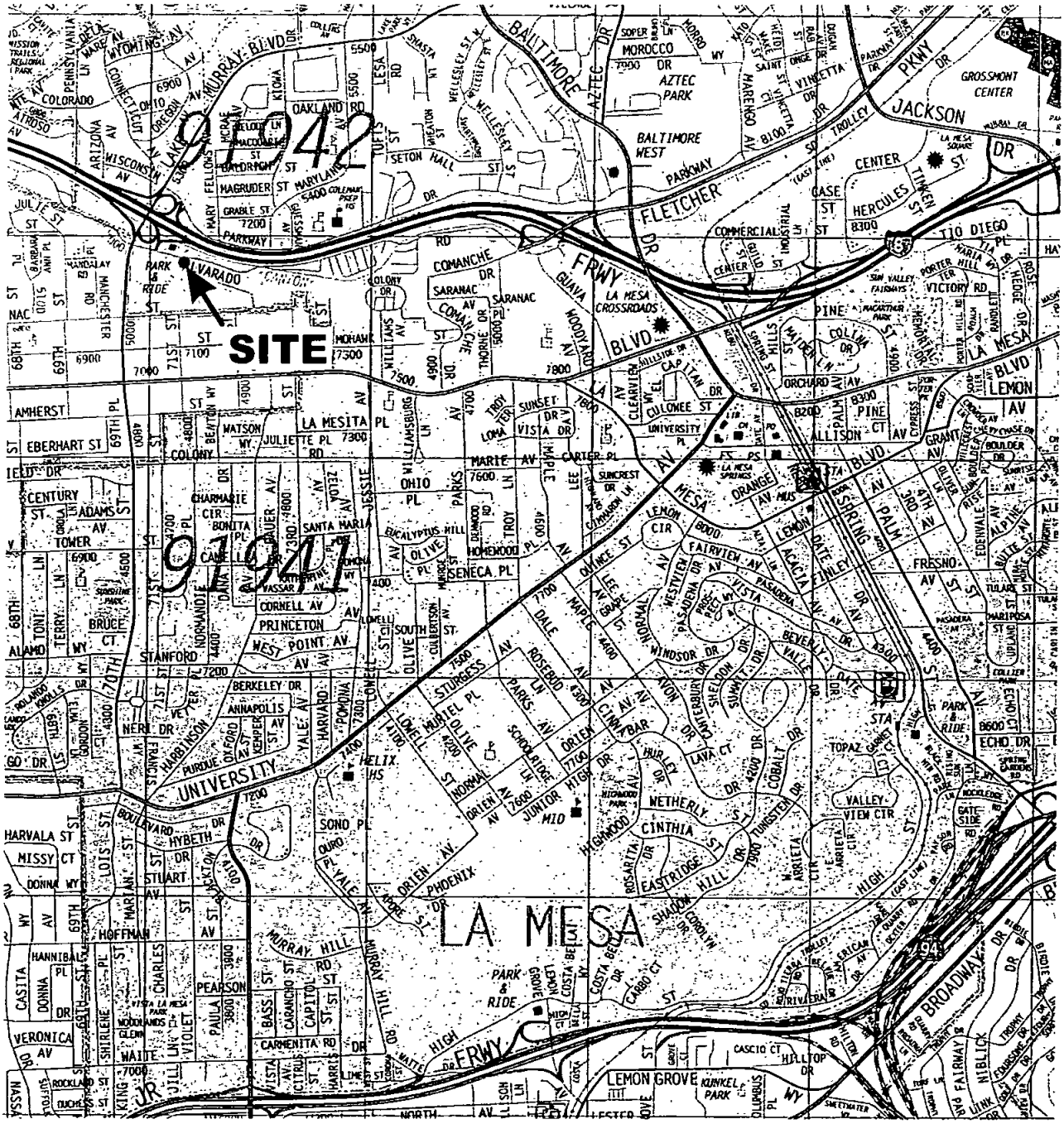
Sean O. McGoey, R.E.A.
Senior Project Environmental Geologist

W. Scott Snyder, R.G., HG.
Senior Project Hydrogeologist

SLS/SOM/WSS/msf

Distribution: (2) Addressee
(1) Mr. Kent Huth; Department of Environmental Health; P.O. Box 129261; San Diego, California 92112-9261

Attachments: Figure 1 – Site Location Map
Figure 2 – Site Plan
Underground Storage Tank Removal Permit
Post Tank Removal Work Plan
Underground Storage Tank System Closure Report
Analytical Laboratory Report with Chain-of-Custody



REFERENCE: 2002 THOMAS GUIDE FOR SAN DIEGO COUNTY, STREET GUIDE AND DIRECTORY

104804004 F sim Fig 1

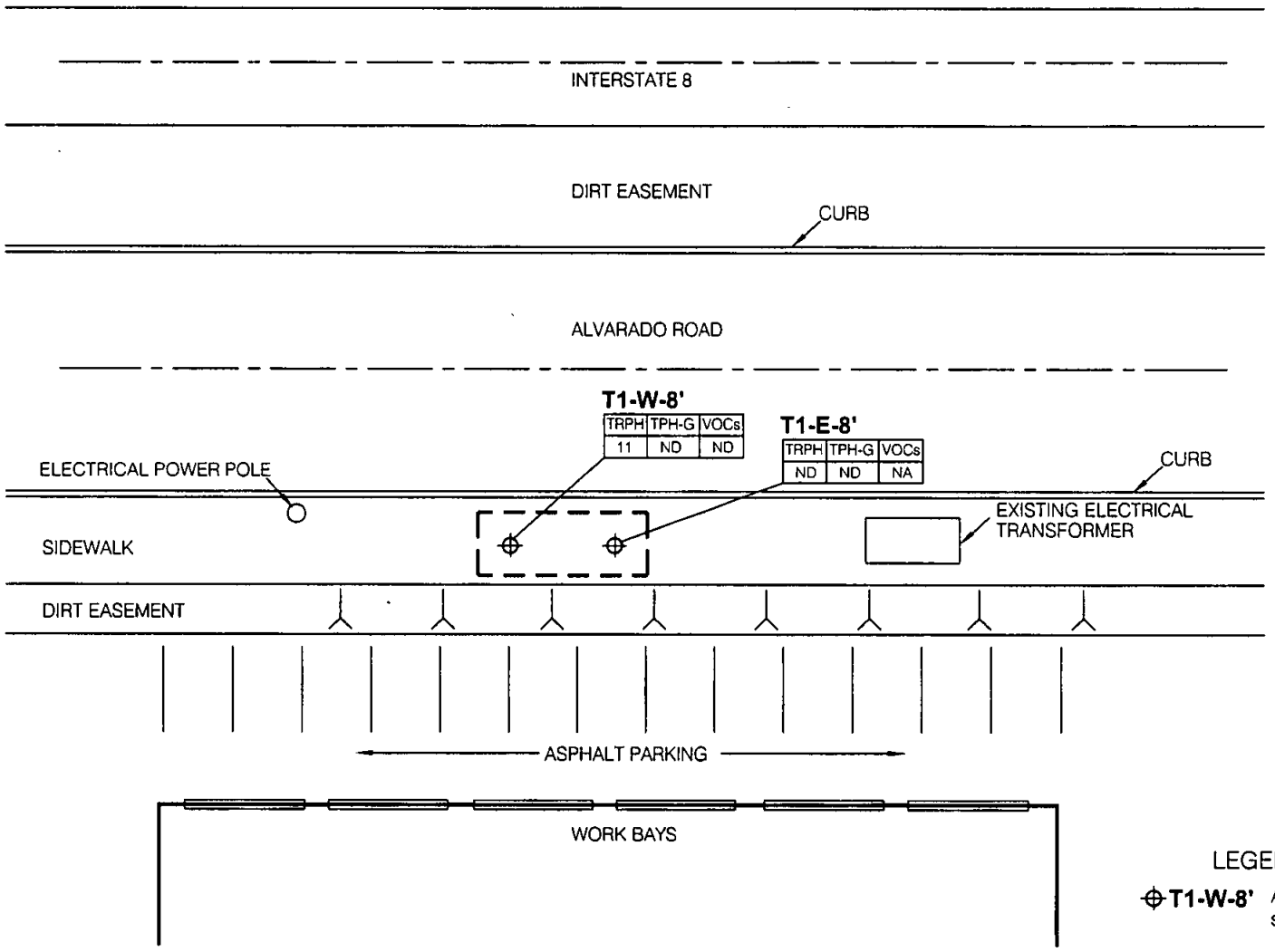
Ninyo & Moore

SITE LOCATION MAP

BOB BOWEN'S AUTO SERVICE
7191 ALVARADO ROAD
LA MESA, CALIFORNIA

PROJECT NO.	DATE	FIGURE
104804004	10/03	1

104804004 F site plan Fig 2



NOTE: ALL DIMENSIONS ARE APPROXIMATE.

Ninyo & Moore

Not to Scale

SITE PLAN

BOB BOWEN'S AUTO SERVICE
7191 ALVARADO ROAD
LA MESA, CALIFORNIA

PROJECT NO.	DATE	FIGURE
104804004	10/03	2

Dig Alert #: A7260880

RECEIVED
2003 AUG 14 PM 4:34
D. E. H.
MAILROOM

PERMIT APPLICATION
PART I
GENERAL PROJECT INFORMATION
UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

OFFICE USE ONLY
PERMIT #: 137324
PLAN CK#: AT4945
DATE RECEIVED: 8-14-2003
FEE PAID: #
PLAN APPROVAL: 9/18/03 (P)
HYDRO UNIT:
BENEF. USE:

A. SITE NAME: Bob Bowen Auto Service
SITE ADDRESS: 7191 Alvarado Rd. City La Mesa Zip 91941

B. PROPERTY OWNER:
Assessors Parcel No. 469-020-3700
Company MTDB Contact Ramon Ruelas
Mailing Address 1255 Imperial Ave City S.D State CA Zip 92101
Phone ( ) 619.595.4904
24-Hour Emergency Contact Same Phone ( )

C. TANK OPERATOR:
Company Not Known Contact
Mailing Address City Zip
Phone ( )
24-Hour Emergency Contact Phone ( )

D. CONTRACTOR PERFORMING WORK:
Primary Contractor Ace Excavating Contract Larry Gilman
Mailing Address 1020 Greenfield City El Cajon Zip 92021
Phone ( ) 619.441.4900
State Contractor License 704463
Hazardous Substances Certificate 704463-HAZ
Worker's Compensation Insurance Company State Fund

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS

Submit one (1) original and two (2) copies of this application package, including plan drawings with the required fee to the Department of Environmental Health (DEH), Hazardous Materials Division, 1255 Imperial Avenue, San Diego, CA 92101; or mail to P.O. Box129261, San Diego, CA 92112-9261. **Checks should be made payable to the County of San Diego.**

A permit will be issued by DEH upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued. Once the permit has been issued, it is the responsibility of the permittee to notify DEH at least two (2) working days in advance to schedule each required inspection.
Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III, IV, & V).

F. PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE TABLE G
☐ Installation/Construction of new tank(s) systems only (without closing any existing tanks)	I & II	1
☐ Closure of existing tank(s) systems with installation of new tanks (tank replacement)	I, II & III	1 & 2
☒ Closure of existing tank(s) systems with no new tank installation	I & III	2
☐ Interior coating/repair of an existing underground storage tank	I & IV	1
☐ Repipe/pipe-repair piping upgrade of an existing underground storage tank facility	I & V	3
☐ Installation/Construction of vaulted tanks	VI	4

G. **FEES:** The fees shown below cover plan review and the required field inspections. Use the appropriate Fee Code as determined in Section F above.

FEE CODE		
	Installation fee for first tanks $985.00 **(fee will apply to all tank installations, tank repairs, interior lining and bladder installations)**	Fee: $
1	Installation fee for each additional tank No. _____ X $100.00	Fee: $
	Establishment Base Fee $190.00 (Applies to establishments not currently under permit with DEH)	Fee: $
	Operating Permit Fee per tank No. _____ X $285.00 (Does not apply to replacement tanks if the existing tank to be replaced has paid current operating permit fees)	Fee: $
2	Closure fee for first tank $565.00	Fee: $ 565.00
	Closure fee for each additional tank No. _____ X $95.00	Fee: $
3	**NOTE: Upgrades / Repair shall include but not limited to pipe repairs, repipes, and new monitoring system installations**	
	Upgrade /Repair – 2 inspections (including soil sampling) $835.00	Fee: $
	Upgrade /Repair – 1 inspection and no soil sampling $590.00	Fee: $
4	Consultation fee (e.g. vaulted tank: minimum 2 hours) _____ Hours X $100.00	Fee: $
5	Re-inspection fee $330.00	Fee: $
	Plan Re-Review $220.00	Fee: $
	TOTAL FEE: $	565.00

H. **PERMITS REQUIRED BY OTHER AGENCIES:**

FIRE DEPARTMENT X APCD _____ BUILDING DEPARTMENT _____ OTHER _____

Provide copies of approved applications from these departments and others if needed.

↳ City of La Mesa Fire Dept.

PERMIT APPLICATION
PART III
APPLICATION FOR PERMIT TO CLOSE UNDERGROUND STORAGE TANK SYSTEM

A. **TOTAL NUMBER OF TANK SYSTEMS TO BE CLOSED:** 1
NOTE: UST SYSTEMS INCLUDE TANK AND ALL ASSOCIATED PIPING.

B. **DESCRIPTION OF TANKS TO BE CLOSED:**

TANK NO.	CAPACITY	DATE INSTALLED	TANK COMPOSITION	TANK PRESENTLY IN USE?	MATERIALS STORED IN TANK
1	1000	unknown	Steel	No	Unknown

C. **HAS THE TANK SYSTEM EVER FAILED OR LEAKED?** YES ☐ NO ☐ UNKNOWN ☒

D. **REASON FOR TANKS TO BE CLOSED:**

☐ Meet current state/federal requirements

☐ Replacement of existing tanks

☐ Tank system failure, briefly describe

☒ No longer in use Other, briefly describe

DEH USE ONLY:
Project Manager:
Type:

E. **PREVIOUS OWNERS AND OPERATORS OF THE TANKS:**

Dates	Owner/Operator
unknown	

F. PROPOSED METHOD OF CLOSURE: [X] REMOVAL ☐ CLOSURE IN PLACE

SAMPLING PROTOCOL Tank owner/authorized representative responsible for all sampling analyses and associated costs.

_ For tank systems that are to be removed. The excavation shall be exposed prior to the scheduled inspection and sampling points identified by the Department of Environmental Health (DEH) inspector. Sampling is required for both tank and piping. **The tank and piping must remain in the excavation until the DEH Inspector approves the removal.**

_ Tank systems to be closed in place. Submit an alternate plan which must include soil sampling, reason for closing the tank system in place and type of material to be used to fill the tank. Soil sampling and/or hydrostatic testing is also required for piping closures. Tank system closure in place will only be considered after evaluating the risks and hazards if the tank system

G. DISPOSAL SITE OF TANK: Pacific Steel Recycling, National City

Note: You must inform DEH of the address of where the tank and piping is to be disposed. **Plans will be disapproved without this information.**

H. ATTACH THREE COPIES OF PLANS SHOWING THE FOLLOWING:

1. Property lines, site address, scale, north arrow.
2. Location of all existing structures.
3. Location of all existing underground storage tank facilities.
4. Location of underground storage tanks and piping to be closed.
5. Location of underground utility lines and vaults.

I. REQUIRED INSPECTION-PERMIT TO CLOSE

A representative from DEH must be on site at the time the tank(s) are closed.

1. [X] **TANK SYSTEM CLOSURE BY REMOVAL:**

The excavation shall be exposed prior to the scheduled inspection. The tank owner/authorized representative on site must submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. A combustible gas instrument and soil sampling equipment must be on site. The DEH Inspector will identify sampling points. The tank and piping must remain in the excavation until DEH approves the removal.

2. **TANK SYSTEM CLOSURE IN PLACE:**

_ Soil sampling for tank(s) and piping.

_ After approval of the alternate plan, the tank owner/authorized representative on site shall submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. The DEH Inspector shall verify that the tank system has been properly emptied and will witness the filling with an approved inert substance. Piping must be closed at the same time as the tank.

J. DECLARATION

I declare that to the best of my knowledge and belief, the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Department of Environmental Health (DEH).

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for further development (e.g. soil compaction testing) are in addition to the requirements of the Department of Environmental Health (DEH).

I will notify the Department of Environmental Health (DEH) at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared or assumed by the County of San Diego.

SIGNATURE & Sean McCoey TITLE

Project Manager

Ninyo & Moore

858-576-1000, 1267

For Jane Wiggins

Copy to Kelly 5/19/86

Re: Storage Tank

CITY OF LA MESA

La Mesa Fire Department
8034 Allison Avenue
May 1, 1986

Mr. Bob Sheppard
P.O. Box 602
Escondido, CA 92125

Subject: Underground Storage Tank Removal

Dear Mr. Sheppard:

This letter is to confirm our conversation of April 28, 1986 regarding the underground storage tank at 7191 Alvarado Road, La Mesa, CA 92041.

The existence of the underground storage tank at 7191 Alvarado Road is in violation of the 1982 Uniform Fire Code that requires tanks placed out of service for one year must be removed and the hole properly filled or abandoned in place and safe-guarded in a manner and filled with a material approved by the Chief. It is the policy of the La Mesa Fire Department to remove tanks.

Your cooperation and immediate attention to this matter will be appreciated.

Sincerely,

Mike Madrigal

Mike Madrigal
Fire Inspector
LA MESA FIRE DEPARTMENT

Enclosure

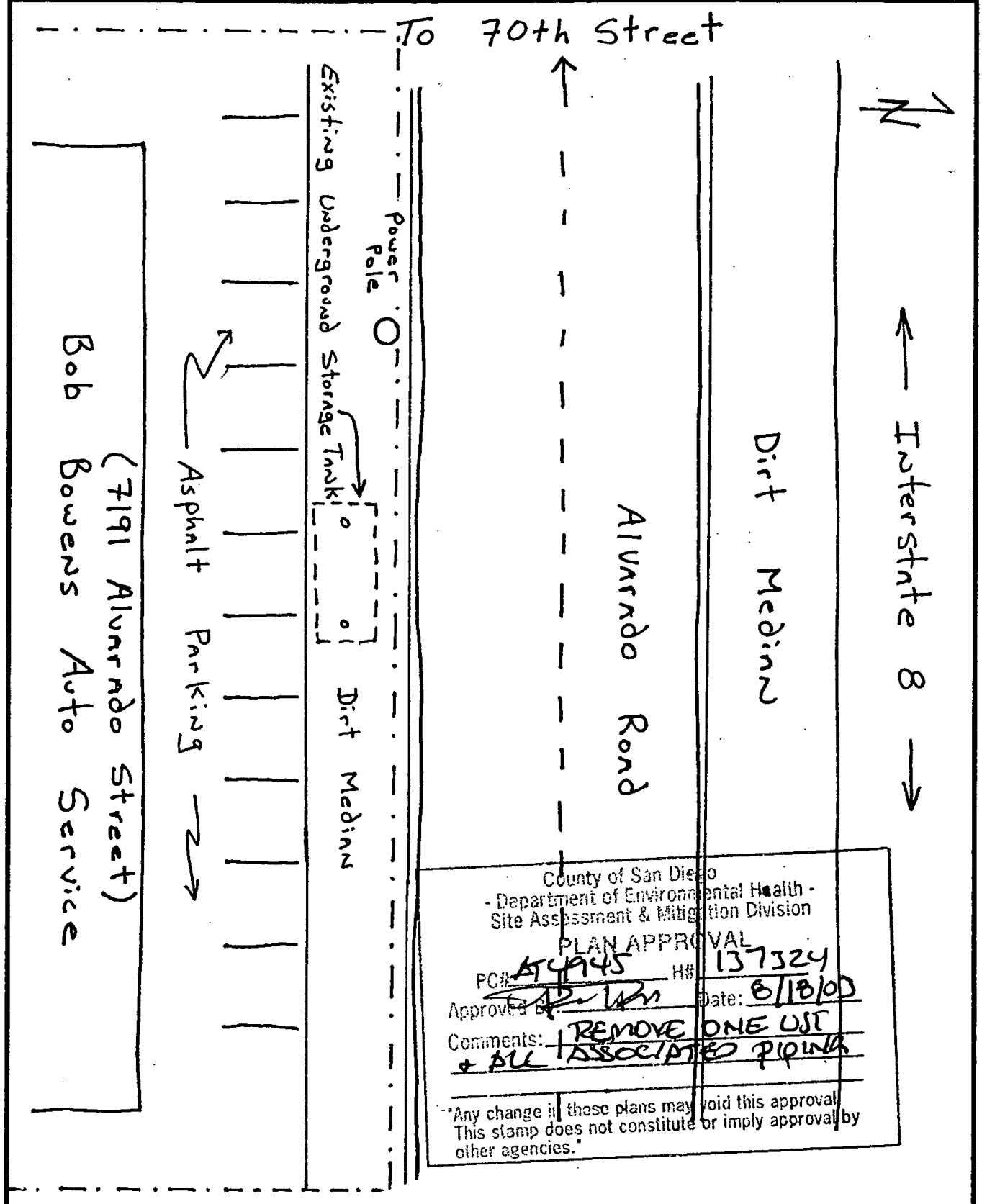
MM/ab

Post-it® Fax Note 7671	Date 8/12/03	# of pages ▶ 1
To Jean McGrey	From Jane / Susan	
Co./Dept. Ninyo & Moore	Co. LMFD	
Phone # 858-576-1000	Phone # 760-721-1776	
Fax # 858-576-9600	Fax # 760-721-6676	


UST Location
SEE 1250 MAP
F
G
H
MURRAY BLVD
LAKE AV
WYOMING AV
OHIO
OREGON
CONNECTICUT AV
ARIZONA AV
WISCONSIN AV
MANCHESTER
OAKLAND RD
MELODY LN
MACQUARIE ST
BALDRICH ST
MAGRUDER ST
GRABLE ST
MARYLAND PARKWAY
FELLOWS AV
MCRAE AV
KIOWA
LESA RD
TUFTS ST
SHASTA LN
WHEATON ST
WELLESLEY ST W
WELLESLEY ST E
WELLESLEY ST
SETON HALL ST
SAINT THOMAS ST
BALTIMORE AZTEC DR
AZTEC PARK
SOPER LN
BRUNO PL
MORRO
MOROCCO DR
BALTIMORE WEST
COLEMAN PREP HS
GUESSMAN AV
MARY AV
LAKE PARK WY
COLLINS AV
VILLAGE
FLETCHER PARKWAY
FLETCHER DR
PARK & RIDE
ALVARADO CANYON RD
COMANCHE DR
COLONY DR
SARANAC AV
SARANAC PL
COMANCHE DR
GUAVA
FRWY
LA MESA CROSSROADS
WOODYARD AV
13A
CAJON BLVD
MOHAWK
WILLIAMS AV
THORNE DR
HILLSIDE DR
CAPITAN DR
CLEARVIEW DR
CULOWEE ST
UNIVERSITY PL
LA MESA AV
SUNSET DR
TROY LOMA VISTA DR
WILLIAMSBURG LN
LA MESITA PL
JULIETTE PL
WATSON WY
BENTON WY
COLONY RD
69TH PL
MARIE AV
CARTER PL
MAPLE LN
PARKS PL
OHIO PL
SUNCREST DR
HIGHLAND AV
CIMMARON LN
LEE
CHARMARIE CIR
BONITA PL
CAMELLIA DR
DAUER AV
73RD
SANTA MARIA
ZELDA AV
JESSIE
EUCALYPTUS HILL
OLIVE PL
DENWOOD RD
TROY
HOMEWOOD PL
SENECA PL
MONROE ST
LEMON CIR
8000
QUINCE ST
FAIRVIEW
WESTVIEW DR
PASADENA DR
PROSPECT WY
LEE AV
GRAPE ST
MAPLE AV
NORMAL
DALE
7700
4600
4400
4300
WINDSOR DR
ROSEBUD AV
STURGESS AV
7500
PARKS LN
AVON
SHELDON
SUMMIT
KATHERINE WY
VASSAR AV
POMONA PL
CORNELL AV
PRINCETON AV
LOWELL ST
SOUTH ST
CULBERTSON AV
WEST POINT AV
STANFORD
NORMANDIE
DANA AV
71ST ST
7400
7200
BERKELEY DR
ANNAPOLIS
NERI DR
POMONA AV
IRVARD
7300
OLIVE ST
LOWELL ST
5000
5300
5400
5500
6900
7000
7100
7200
7300
7500
7800
4900
4800
4700
4600
4500
4400
4300

Ninyo & Moore

Project Name UST Removal
Project Number 7191 Alvarado Road
Calculated By San Diego Date 8/14/03
Checked By CA Date
Scale Sheet of



County of San Diego
- Department of Environmental Health -
Site Assessment & Mitigation Division
PLAN APPROVAL
PC# AT4945 H# 137324
Approved By: Date: 8/18/03
Comments: REMOVE ONE UST & ASSOCIATED PIPING

*Any change in these plans may void this approval. This stamp does not constitute or imply approval by other agencies.

EST. H# _____

PLAN CHECK # _____

WORKPLAN
FOR
UNDERGROUND STORAGE TANK CLOSURE

1. Site Name Bob ~~Bogus~~ Bowen's (4) Auto Service
2. Site Address 7191 Alvardo Road, San Diego, CA.

3. Describe the existing land use in the surrounding area (residential, commercial, schools). Describe the locations of nearest receptors and the prevailing wind.

   The UST is located in a dirt median next to Alvardo Road.

   The surrounding area is commercial with auto repair.

4. Explain how the excavation will be secured. Describe fencing/site security and other methods that ensure public safety.

   The excavation is secured by barrier tape and traffic barricades.

   THE SITE IS MONITORED BY SITE STAFF.

5. If soil is to be stockpiled, describe the location on the Plan Check map. Describe method of soil containment (berming/covers, run-off control).

   The top of the UST is already exposed, minimal dirt will be

   stockpiled. Any soil that is stockpiled will be set on plastic

   sheeting and covered at the end of the day. The soil will be bermed.

   to prevent runoff.

6. Do you plan to conduct site assessment or remedial work beyond what is necessary to remove the underground storage tank(s) and perform the mandory soil sampling required by the Site Assessment and Mitigation Program (SAM) of the Department of Environmental Health?

   ☒ Yes, if contamination is present. ☐ No

If Yes, a Workplan for Post-Tank Removal Investigation must be completed under the direction of a registered professional.

Signature _____ Sean McGoey

Title Senior Project Manger

Telephone 858-576-1000, ext. 1267 Date Aug. 14, 2003

DEH:SAM-9176 (Rev. 6/99)

County of San Diego
Department of Environmental Health

Dig Alert #: A7260880

**** Office Use Only ****
Establishment No. #H
Plan Check #
DEH Inspector

WORKPLAN FOR POST-TANK REMOVAL INVESTIGATION

Complete this Workplan only if you intend to utilize a backhoe to investigate the extent of hydrocarbon contamination within 72 hours of the removal of an underground storage tank (UST). This site investigation work must be implemented in accordance with the DEH-SAM Manual and under the direction of an appropriately Registered Geologist (RG), Certified Engineering Geologist (CEG) or Registered Civil Engineer (RCE). A complete site assessment report, signed by the above referenced registered professional, must be submitted to DEH within 60 days of the date of the field investigation. This workplan must be signed by the above referenced registered professional.

1. Establishment Name/Address

   Bob Bowen's Auto Service

   7191 Alvardo Road, La Mesa, CA 91941

2. Contractor, Contact & Phone No.

   Ace Excavating and Environmental Services 619.441.4900

   Environmental Consultant, Contact & Phone No.

   Ninyo & Moore, 858.576-1000

   Registered Professional (defined above) & Phone No.

   Peter Clark 858-576-1000, 1268

3. Describe how the backhoe will be utilized to conduct the site investigation (ie. potholing, trenching, etc.) and estimate the maximum quantity of soil to be excavated.

   A backhoe will be used to delineate soil contamination if present

   No more than 50 cubic yards of contaminated soil will be excavated.

4. Describe the soil sample collection methods and laboratory to be used (reference Section 5.III of the SAM Manual). Soil analysis must be performed by a California DTSC Certified Laboratory.

Soil samples will be collected off the teeth of the backhoe and transfered into laboratory supplied jars for delivery to a state certified laboratory for analysis. HP Laboratories will be utilized for the analysis., located in Solana Beach, CA.

5. Attach a site drawing (to scale) which includes at a minimum: site structures, subsurface utility lines and fuel lines, UST(s) location, site investigation area, stockpiled soil area, prevailing wind direction, adjacent street and property uses, surface water and wells.

Attached

6. Describe methods to monitor and control hydrocarbon vapor emissions at the excavation site.

Aphotoionization detector (PID) will be used to screen soil samples and hydrocabon vapor emissions. If contaminated soils are encountered they will be covered with plastic sheeting and secured with sand bags.

7. Describe the procedures for the management of excavated soil, i.e. soil, segregation, engineering controls for the stockpile soil (reference Section 7.VI of the SAM Manual), soil characterization, on-site soil management, off-site disposal, on-site treatment, etc. Describe the Best Management Practices (BMPs) to be used in the event of rainfall to control erosion from stockpiled soil.

Excavated soils will be placed on plastic sheeting and coveredwith plastic sheeting at the end of the work day activities. Contaminated soils, if detected, will be segregated and managed onsite pending offsite disposal.

8. A Public Notification Program must be implemented prior to commencing the site investigation. Attach a copy of the public notice and provide a written description of the program (reference Section 4.IV of the SAM Manual). Identify the targeted population and the method of public notice distribution.

The UST is empty and has been cleaned prior to removal. It is not anticipated that there has been a significate release ofpetroleum hydrocarbons from the UST. The UST was probably used for fuel oil storage, very small volatile fraction. However, the site will be barricaded with caution tape and signs will be posted notifiying the public of the contaminates of concern. Work will be completed within 72 hours.

Please Note:

- The investigation trench or excavation must be logged under the direction of a RG, CEG or RCE and include a complete description of the subsurface soil and/or rock.
- All contaminated soil should either be removed from the site or be treated on-site (with agency approval) within 45 days of site excavation.
- The site excavation must be secured with fencing, site security and other methods as required to ensure public safety. DEH recommends backfilling the excavation site for safety reasons within 72 hours of the post-tank removal investigation.

Prepared by:

Sean McGoey N&M — 8/13/03
(Name, print or type) (Company) (Signature) (date)

Approved by Tank/Property Owner:

Ramon Ruelas MTBE — Aug 13, 2003
(Name, print or type) (Signature) (date)

Approved by DEH, SAM Program:

(Name, print or type) (Signature) (date)

DEH:SAM-9227 (Rev. 1/03)

County of San Diego
Department of Environmental Health

24-HR TAT

NM08200310

SAM Chain-of-Custody Record

Date 8/26/03 Page 1 of 1

Project Name	Bob Bowens Auto Service
Reference	
Address	7191 Alvarado Road, La Mesa, CA
Sampler's Signature	Shannon Smith
Lab To Be Used	HP Labs
Project No.	104804004

				ANALYSIS REQUESTED						SAMPLE TYPE					
				TPH fuel range DOHS METHOD	TRPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)		8260B VOCs +Oxys	SOLID	LIQUID	GRAB	COMPOSITE	NO. OF	COMMENTS
T1-W-8'	8/20/03	940	2' below west end of tank	X	X				X	X		X		1	Analyze highest TRPH for BTEX, VOCs, MTBE + Oxys by 8260B
T1-E-8'	8/20/03	950	2' below east end of tank	X	X				X	X		X		1	

COPY OF LAB RESULTS MUST BE SENT TO:
Dept. of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 129261
San Diego, CA 92112-9261

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date	2 TOTAL NO. OF CONTAINERS	
Shannon Smith	8/20/03						
Signature: Shannon Smith	Time: 11:00a	Signature	Time	Signature	Time	Sample Conditions	
Printed Name: Ninyo Moore		Printed Name		Printed Name		Received On Ice: Yes/No	
Company	Date	Company	Date	Company	Date	Tape Seal Intact: Yes/No	
RECEIVED BY: Louise A Adams	8/20/03	RECEIVED BY		RECEIVED BY (LAB)		Special Shipment/Handling Or Storage Requirements:	
Signature: Louise A Adams	Time: 11:00	Signature	Time	Signature	Time	Split Sample Location	
Printed Name: HP Labs		Printed Name		Printed Name		Site Identification	
						H# 137324 AT# 4945	
						SAM Kent Huth	
						Ninyo: Moore, Sean McCoy pm	

Distribution: White - Laboratory
Yellow - Contractor/Responsible Party
Pink - SAM

DEH:SAM-999 (Rev. 2/98) NCR

County of San Diego
Department of Environmental Health

HP LABS

August 26, 2003

Mr. Sean McGoey
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123

SUBJECT: DATA REPORT – BOB BOWENS AUTO SERVICE – 7191 ALVARADO ROAD – LA MESA, CA – NINYO & MOORE PROJECT #137324-4945

HP Labs Project # NM082003-10

Mr. McGoey:

Please find enclosed a data report for the above referenced location. Soil samples were analyzed in DOHS certified mobile laboratories (CERT #1839).

Project Summary

The following analyses were conducted:

- 2 soils for total petroleum hydrocarbons (TPH) by DHS LUFT/8015M Method
- 2 soils for total recoverable petroleum hydrocarbons (TRPH) by EPA 418.1 Method

The samples were received chilled in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

HP Labs appreciates the opportunity to provide analytical services to Ninyo & Moore on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman

Dr. Blayne Hartman

NINYO & MOORE PROJECT #137324-4945
BOB BOWENS AUTO SERVICE
7191 ALVARADO ROAD
LA MESA, CA

HPL Project #NM082003-10

TRPH (EPA Method 418.1) & TPH (DHS LUFT/8015M Method) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)	TPH-EXT C25-C36 (mg/kg)
METHOD BLANK	8/20/2003	ND	ND	ND	ND
T1-W-8'	8/20/2003	11	ND	ND	ND
T1-E-8'	8/20/2003	ND	ND	ND	ND
DETECTION LIMITS		10	10	10	25

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1839)
ANALYSES PERFORMED BY: MS. CHRISTINA THOMAS
DATA REVIEWED BY: DR. BLAYNE HARTMAN

Blayne Hartman
8-28-03

QA/QC REPORT - CALIBRATION DATA

HPL Project #NM082003-10
DAILY CALIBRATION DATE : 08/20/03

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	880 - 880000	4/8/2003	0.667	15.5%	326	0.613	8.0%	316	0.633	5.1%
TPH DIESEL - FID1	50-50000	2200 - 220000	4/8/2003	0.611	7.8%	791	0.632	3.5%	792	0.631	3.3%
TRPH	10 - 1000	1000 - 100000	3/12/2003	676	4.5%	0.847	590.32	12.7%	0.834	599.52	11.3%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1839)
ANALYSES PERFORMED BY: MS. CHRISTINA THOMAS
DATA REVIEWED BY: DR. BLAYNE HARTMAN

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 08/20/03
HPL Project #NM082003-10

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	587	117.4%	582	116.4%	0.9%	15%	75% - 120%
TPH GASOLINE	200	217	108.5%	210	105.0%	3.3%	15%	75% - 135%
TPH DIESEL	500	407	81.4%	405	81.0%	0.5%	15%	75% - 135%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1839)
ANALYSES PERFORMED BY: MS. CHRISTINA THOMAS
DATA REVIEWED BY: DR. BLAYNE HARTMAN

24-HR TAT

NM08200310

SAM Chain-of-Custody Record

Date 8/26/03 Page 1 of 1

Project Name Bob Bowers Auto Service
Reference
Address 7191 Alvarado Road La Mesa, CA
Sampler's Signature Shannon Smith
Lab To Be Used HP Labs
Project No. 104804004

				ANALYSIS REQUESTED					SAMPLE TYPE					
				TPH DOHS METHOD (full range) SLS	TRPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)	8260B VOCs 40ml SLS	SOLID	LIQUID	GRAB	COMPOSITE	NO. OF	COMMENTS
TI-W-8'	8/20/03	940	2' below west end of trench	X	X			X	X		X		1	Analyze highest TRPH SLS for BTEX, VOCs, MTBE + Oxys by 8260B
TI-E-8	8/20/03	950	2' below east end of trench	X	X			X	X		X		1	

COPY OF LAB RESULTS MUST BE SENT TO:
Dept. of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 129261
San Diego, CA 92112-9261

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date
Shannon Smith	8/20/03				
Signature: Shannon Smith	Time: 11:00a	Signature	Time	Signature	Time
Printed Name: Ninyo & Moore		Printed Name		Printed Name	
Company	Date: 8/20/03	Company	Date	Company	Date
RECEIVED BY: Louise A. Adams		RECEIVED BY		RECEIVED BY (LAB)	
Signature: Louise A. Adams	Time: 11:00	Signature	Time	Signature	Time
Printed Name: HP Labs		Printed Name		Printed Name	

2 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice Yes/No
Tape Seal Intact Yes/No
Special Shipment/Handling Or Storage Requirements:

Split Sample Location
Site Identification
H# 137324 AT# 4945
SAM Kent Huth

Ninyo & Moore, Sean McCoy pm

Distribution: White - Laboratory
Yellow - Contractor/Responsible Party
Pink - SAM

DEH:SAM-999 (Rev. 2/98) NCR

County of San Diego
Department of Environmental Health

HP LABS

RECEIVED
AUG 2 / 2003
NINYO & MOORE
SAN DIEGO OFFICE

26 August 2003

Mr. Sean McGoey
Ninyo & Moore
5710 Ruffin Road
San Diego, CA 92123
RE: NM082103-30

Enclosed are the results of analyses for samples received by the laboratory on 20-Aug-03 . If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tamara Davis
Laboratory Director

HP Labs operates under CA Environmental Lab Accreditation Program Numbers 1561, 2088, 2278 and 2530.

148 S. Vinewood Street • Escondido, CA 92029 • Phone (760) 735-3208 • Fax (760) 735-2469
432 N. Cedros Avenue • Solana Beach, CA 92075 • Phone (858) 793-0401 • Fax (858) 793-0404
2373 208th Street Suite F-1 • Torrance, CA 90501 • Phone (310) 782-2929 • Fax (310) 782-2798

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T1-W-8'	E308029-01	Soil	20-Aug-03	20-Aug-03

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

Volatile Organic Compounds by EPA Method 8260B

HP Labs

T1-W-8' (E308029-01) Soil Sampled: 20-Aug-03 Received: 20-Aug-03

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
Dichlorodifluoromethane	ND	5	ug/kg	0.5	EH32102	21-Aug-03	21-Aug-03	EPA 8260B	
Chloromethane	ND	5	"	"	"	"	"	"	
Vinyl chloride	ND	5	"	"	"	"	"	"	
Bromomethane	ND	5	"	"	"	"	"	"	
Chloroethane	ND	5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5	"	"	"	"	"	"	
Methylene chloride	ND	5	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Di-isopropyl ether	ND	5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Chloroform	ND	5	"	"	"	"	"	"	
Bromochloromethane	ND	5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5	"	"	"	"	"	"	
Carbon tetrachloride	ND	5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5	"	"	"	"	"	"	
Benzene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5	"	"	"	"	"	"	
Bromodichloromethane	ND	5	"	"	"	"	"	"	
Dibromomethane	ND	5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5	"	"	"	"	"	"	
Toluene	ND	5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5	"	"	"	"	"	"	
Tetrachloroethene	ND	5	"	"	"	"	"	"	
Dibromochloromethane	ND	5	"	"	"	"	"	"	
Chlorobenzene	ND	5	"	"	"	"	"	"	
Ethylbenzene	ND	5	"	"	"	"	"	"	

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

Volatile Organic Compounds by EPA Method 8260B

HP Labs

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
T1-W-8' (E308029-01) Soil Sampled: 20-Aug-03 Received: 20-Aug-03									
1,1,1,2-Tetrachloroethane	ND	5	ug/kg	0.5	EH32102	21-Aug-03	21-Aug-03	EPA 8260B	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5	"	"	"	"	"	"	
Styrene	ND	5	"	"	"	"	"	"	
Bromoform	ND	5	"	"	"	"	"	"	
Isopropylbenzene	ND	5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5	"	"	"	"	"	"	
n-Propylbenzene	ND	5	"	"	"	"	"	"	
Bromobenzene	ND	5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5	"	"	"	"	"	"	
2-Chlorotoluene	ND	5	"	"	"	"	"	"	
4-Chlorotoluene	ND	5	"	"	"	"	"	"	
tert-Butylbenzene	ND	5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5	"	"	"	"	"	"	
sec-Butylbenzene	ND	5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5	"	"	"	"	"	"	
n-Butylbenzene	ND	5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5	"	"	"	"	"	"	
Naphthalene	ND	5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.8 %*	*65-135*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*90.4 %*	*65-135*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*117 %*	*65-135*		"	"	"	"	

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

HP Labs

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH32102 - EPA 5030										
Blank (EH32102-BLK1)				Prepared & Analyzed: 21-Aug-03						
Dichlorodifluoromethane	ND	5.0	ug/kg							
Chloromethane	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Bromomethane	ND	5.0	"							
Chloroethane	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
Methyl tert-butyl ether	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
Di-isopropyl ether	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
Ethyl tert-butyl ether	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
Chloroform	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
Tert-amyl methyl ether	ND	5.0	"							
Benzene	ND	5.0	"							
Trichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Dibromomethane	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
Toluene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

HP Labs

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH32102 - EPA 5030										
Blank (EH32102-BLK1)				Prepared & Analyzed: 21-Aug-03						
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg							
1,3-Dichloropropane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Styrene	ND	5.0	"							
Bromoform	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Bromobenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Naphthalene	ND	5.0	"							

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

HP Labs

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH32102 - EPA 5030										
Blank (EH32102-BLK1)				Prepared & Analyzed: 21-Aug-03						
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
Tert-butyl alcohol	ND	25	"							
Surrogate: Dibromofluoromethane	*22.9*		"	*25.0*		*91.6*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*22.0*		"	*25.0*		*88.0*	*52-149*			
Surrogate: Toluene-d8	*22.5*		"	*25.0*		*90.0*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*26.9*		"	*25.0*		*108*	*65-135*			
LCS (EH32102-BS1)				Prepared & Analyzed: 21-Aug-03						
1,1-Dichloroethene	21.5	5.0	ug/kg	25.0		86.0	65-135			
Benzene	24.9	5.0	"	25.0		99.6	65-135			
Trichloroethene	23.7	5.0	"	25.0		94.8	65-135			
Toluene	24.4	5.0	"	25.0		97.6	65-135			
Chlorobenzene	23.4	5.0	"	25.0		93.6	65-135			
Surrogate: Dibromofluoromethane	*22.8*		"	*25.0*		*91.2*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*22.8*		"	*25.0*		*91.2*	*52-149*			
Surrogate: Toluene-d8	*23.0*		"	*25.0*		*92.0*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*24.7*		"	*25.0*		*98.8*	*65-135*			
Matrix Spike (EH32102-MS1)	**Source: E308029-01**			Prepared & Analyzed: 21-Aug-03						
1,1-Dichloroethene	22.1	5.0	ug/kg	25.0	ND	88.4	65-135			
Benzene	26.0	5.0	"	25.0	ND	104	65-135			
Trichloroethene	24.9	5.0	"	25.0	ND	99.6	65-135			
Toluene	25.2	5.0	"	25.0	ND	101	65-135			
Chlorobenzene	24.3	5.0	"	25.0	ND	97.2	65-135			
Surrogate: Dibromofluoromethane	*23.3*		"	*25.0*		*93.2*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*23.1*		"	*25.0*		*92.4*	*52-149*			
Surrogate: Toluene-d8	*20.4*		"	*25.0*		*81.6*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*27.3*		"	*25.0*		*109*	*65-135*			

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

HP Labs

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH32102 - EPA 5030										
Matrix Spike Dup (EH32102-MSD1)	**Source: E308029-01**			Prepared & Analyzed: 21-Aug-03						
1,1-Dichloroethene	22.4	5.0	ug/kg	25.0	ND	89.6	65-135	1.35	30	
Benzene	27.1	5.0	"	25.0	ND	108	65-135	4.14	30	
Trichloroethene	25.5	5.0	"	25.0	ND	102	65-135	2.38	30	
Toluene	25.7	5.0	"	25.0	ND	103	65-135	1.96	30	
Chlorobenzene	24.6	5.0	"	25.0	ND	98.4	65-135	1.23	30	
Surrogate: Dibromofluoromethane	*23.5*		"	*25.0*		*94.0*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*23.9*		"	*25.0*		*95.6*	*52-149*			
Surrogate: Toluene-d8	*23.4*		"	*25.0*		*93.6*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*28.3*		"	*25.0*		*113*	*65-135*			

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

*24-HR TAT NM08210830 NM08200310

SAM Chain-of-Custody Record

Date 8/20/03 Page 1 of 1

Project Name Bob Bowers Auto Service
Reference
Address 7191 Alvarado Road La Mesa, CA
Sampler's Signature Shannon Smith
Lab To Be Used HP Labs
Project No. 104804004

				ANALYSIS REQUESTED					SAMPLE TYPE					
				TPH full range DOHS METHOD	TRPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)		SOLID	LIQUID	GRAB	COMPOSITE	NO. OF	COMMENTS
T1-W-8'	8/20/03	940	~~2~~ 2' below west end of tank	X	X			X	X		X		1	Analyze highest TRPH for BTEX, VOCs, MTBE + Oxys by 8260B
T1-E-8'	8/20/03	950	2' below east end of tank	X	X			X	X		X		1	

COPY OF LAB RESULTS MUST BE SENT TO:
Dept. of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 129261
San Diego, CA 92112-9261

COMMENTS

	Date		Date		Date
1 RELINQUISHED BY: Shannon Smith	8/20/03	2 RELINQUISHED BY: Louise A. Adams	8/20/03	3 RELINQUISHED BY:	
Signature: Shannon Smith	Time: 11:00a	Signature: Louise A Adams	Time: 5:00p	Signature	Time
Printed Name: Ninyo : Moore		Printed Name: HP		Printed Name	Date
Company		Company		Company	
RECEIVED BY: Louise A. Adams	Date: 8/20/03	RECEIVED BY: [illegible]	Date: 8/20/03	RECEIVED BY (LAB)	Time
Signature: Louise A. Adams	Time: 11:00	Signature: Lisa Fminhizer	Time: 5:00	Signature	
Printed Name: HP Labs		Printed Name: HP Labs		Printed Name	

2 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice Yes/No
Tape Seal Intact Yes/No
Special Shipment/Handling Or Storage Requirements:

Split Sample Location
Site Identification
H# 137324 AT# 4945
SAM Kent Huth

Ninyo : Moore, Sean McCoy PM

Distribution: White - Laboratory
Yellow - Contractor/Responsible Party
Pink - SAM

DEH:SAM-999 (Rev. 2/98) NCR

County of San Diego
Department of Environmental Health

LAND AND WATER QUALITY DIVISION

UNDERGROUND STORAGE TANK SYSTEM CLOSURE REPORT

ESTABLISHMENT NO. 137324 PLAN CHECK NO. AT 4945

SITE NAME Bob Bowens Auto Service PHONE

SITE ADDRESS 7191 Alvarado Road CITY La Mesa ZIP

CONTRACTOR Ace Excavating PHONE (619) 445-2869

Number of tanks to be removed (1) 2 3 4 5 6 7 8

Decontamination by Was cleaned in 1986, Not in use since then. See attached letter

Manifest No.

Tank rinsate/(amount & destination)

FIRE AGENCY PRESENT (YES)

Dept. La Mesa FD

Permit No. 081803-08

Inspector Scott

Tank ID No.	T001				REMARKS
Capacity	1200				Tank going to Pacific Steel
Tank Construction	SW Steel				
Materials stored	Fuel Oil (?)				
% L.E.L.	0%				
Dry ice/other (amt.)	20 lb				
Tank condition	Rusty w/ holes on top; riddled w/ holes on bottom of tank				
Backfill soil type	Light brown SAND (fine to coarse)				
Backfill condition	Clean @ top; Some rust staining @ bottom				
Native soil type	Green/Blue clay w/ cobbles/boulders				
Native condition	Good; Some minor rust staining				
Excavation odors?	No				
Stockpile odors?	No				
Water present?	No				
Ponded product?	No				
Piping removed?	None				

REINSPECTION REQUIRED YES NO If yes, explain

NOTICE: You are hereby notified that on 8/20/03, an Environmental Health Specialist conducted an inspection for the closure of 1 hazardous substance underground storage tank(s). A summary of the conditions follows:

☐ An **unauthorized release** of a hazardous substance has been observed by the Environmental Health Specialist. You are hereby required to initiate **Corrective Action** measures (See Page 4 for details).

☒ A determination of this site's status is pending the Site Assessment and Mitigation (SAM) Program's receipt and review of analytical results for the samples taken from the tank and/or piping closure site. A laboratory report must be submitted to SAM within 30 days. Please request that the laboratory send a copy of the analytical report directly to Kent Huth at the address provided below.

The SAM Program has completed its review of the analytical results for samples collected at the tank closure site and has determined the following:

☒ **TANK CLOSURE COMPLETE - NO FURTHER ACTION REQUIRED**

☐ **INITIATE CORRECTIVE ACTION MEASURES (See enclosed information)**

Reviewed by: Kent Huth **Date Reviewed:** 9/30/03 **Supervisor (initial):** MV

RECEIVED BY Ruben Gonzalez

PRINTED NAME Ruben Gonzalez

PHONE NUMBER (619) 445-2869

Kent Huth

Environmental Health Specialist
SAM - P.O. Box 129261
San Diego, CA 92112-9261 (619) 338-2222

DISTRIBUTION: WHITE-RETURN TO SAM
YELLOW-BUSINESS RETAINS

Type(s) of hazardous substance(s) released (mark all that apply):

☐ Gasoline ☐ Diesel ☐ Waste Oil ☒ Other _____

Is hazardous material ponded? ☐ Yes* ☒ No Estimated amount? _____

Estimated depth to groundwater below this site: _____ feet Beneficial use? ☒ Yes ☐ No

SOIL CONDITIONS (Odors, Staining, Volume):

Describe backfill and its condition: Light brown SAND (fine to coarse); some rust staining.

Describe native soil and its condition: Green / Blue Clay w/ cobbles + boulders

How was hazardous substance released? N/A

Tank condition (holes, corrosion, wrapping, seams, evidence or overfill) Rusty; many holes; extensive corrosion.

Estimated length of piping removed? N/A feet Date tanks last used? _____

Nearby water wells or surface waters? ☒ Yes* ☐ None noted

*Describe Alvarado Canyon Creek; just to south

Any known sensitive receptors, i.e., underground vaults, utilities or basements nearby? ☒ Yes* ☒ None noted

*Describe ~~Alvarado Canyon Creek - just to south~~

COMMENTS:

SAM Chain-of-Custody Record

Date 8/20/03 Page 1 of 1

Project Name: Bob Bowers Auto Service
Reference:
Address: 7141 Alvarado Road, La Mesa, CA
Sampler's Signature: [illegible]
Lab To Be Used: HP Labs

COPY OF LAB RESULTS MUST BE SENT TO:
Dept. of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 129261
San Diego, CA 92112-9261

				ANALYSIS REQUESTED: TPH & Orange DOHS METHOD	TRPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)			SAMPLE TYPE: SOLID	LIQUID	GRAB	COMPOSITE	NO. OF	COMMENTS
T1-W-8'	8/20/03	940	2' below west end of tank	X	X					X		X		1	Analyze highest TRPH
T1-E-8'	8/20/03	950	2' below east end of tank	X	X					X		X		1	for BTEX, VOCs, MTBE
															+ Oxys by 8260 B

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date
Signature	Time	Signature	Time	Signature	Time
Printed Name		Printed Name		Printed Name	Date
Company	Date	Company	Date	Company	Time
RECEIVED BY		RECEIVED BY		RECEIVED BY (LAB)	
Signature	Time	Signature	Time	Signature	
Printed Name		Printed Name		Printed Name	

2 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice Yes/No
Tape Seal Intact Yes/No
Special Shipment/Handling Or Storage Requirements:

Split Sample Location
Site Identification
H# 137324 AT# 4945
SAM Kent Heth

Distribution: White - Laboratory
Yellow - Contractor/Responsible Party
Pink - SAM

DEH:SAM-999 (Rev. 2/98) NCR

County of San Diego
Department of Environmental Health



Photo 1: View of the UST prior to removal.



Photo 2: View of the underside of the UST post-removal. Note multiple holes in tank.

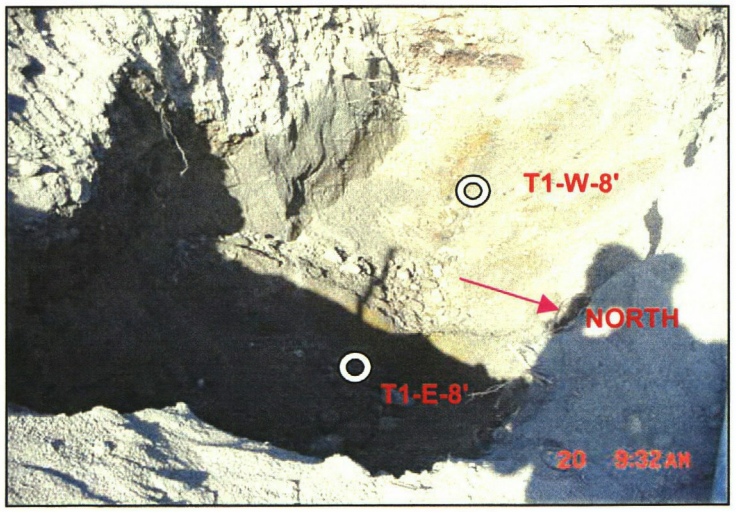


Photo 3: View of the UST excavation.

NINYO & MOORE PROJECT #137324-4945
BOB BOWENS AUTO SERVICE
7191 ALVARADO ROAD
LA MESA, CA

HPL Project #NM082003-10

TRPH (EPA Method 418.1) & TPH (DHS LUFT/8015M Method) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)	TPH-EXT C25-C36 (mg/kg)
METHOD BLANK	8/20/2003	ND	ND	ND	ND
T1-W-8'	8/20/2003	11	ND	ND	ND
T1-E-8'	8/20/2003	ND	ND	ND	ND
DETECTION LIMITS		10	10	10	25

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1839)
ANALYSES PERFORMED BY: MS. CHRISTINA THOMAS
DATA REVIEWED BY: DR. BLAYNE HARTMAN

QA/QC REPORT - CALIBRATION DATA

HPL Project #NM082003-10
DAILY CALIBRATION DATE : 08/20/03

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	880 - 880000	4/8/2003	0.667	15.5%	326	0.613	8.0%	316	0.633	5.1%
TPH DIESEL - FID1	50-50000	2200 - 220000	4/8/2003	0.611	7.8%	791	0.632	3.5%	792	0.631	3.3%
TRPH	10 - 1000	1000 - 100000	3/12/2003	676	4.5%	0.847	590.32	12.7%	0.834	599.52	11.3%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1839)
ANALYSES PERFORMED BY: MS. CHRISTINA THOMAS
DATA REVIEWED BY: DR. BLAYNE HARTMAN

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 08/20/03
HPL Project #NM082003-10

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	587	117.4%	582	116.4%	0.9%	15%	75% - 120%
TPH GASOLINE	200	217	108.5%	210	105.0%	3.3%	15%	75% - 135%
TPH DIESEL	500	407	81.4%	405	81.0%	0.5%	15%	75% - 135%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1839)
ANALYSES PERFORMED BY: MS. CHRISTINA THOMAS
DATA REVIEWED BY: DR. BLAYNE HARTMAN

*24-HR TAT

NM08200310

SAM Chain-of-Custody Record

Date 8/20/03 Page 1 of 1

Project Name: Bob Bowens Auto Service
Reference
Address: 7191 Alvarado Road, La Mesa, CA
Sampler's Signature: Shannon Smith
Lab To Be Used: HP Labs
Project No. 104804004

COPY OF LAB RESULTS MUST BE SENT TO:
Dept. of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 129261
San Diego, CA 92112-9261

				ANALYSIS REQUESTED: TPH Full range DOHS METHOD ext	TRPH EPA 418.1	BTXE (8020/602)	HALOGENATED (8010/601)	8260B VOCs + Oxy SLS		SAMPLE TYPE: SOLID	LIQUID	GRAB	COMPOSITE	NO. OF	COMMENTS
T1-W-8'	8/20/03	940	2' below west end of tank	X	X			X		X		X		1	~~Analyze highest TRPH~~ SLS
T1-E-8'	8/20/03	950	2' below east end of tank	X	X			X		X		X		1	~~for BTEX, VOCs, MTBE~~
															~~+ Oxys by 8260 B~~

1 RELINQUISHED BY	Date	2 RELINQUISHED BY	Date	3 RELINQUISHED BY	Date
Shannon Smith	8/20/03				
Signature: Shannon Smith	Time	Signature	Time	Signature	Time
Printed Name: Ninyo & Moore	11:00a	Printed Name		Printed Name	Date
Company		Company		Company	
RECEIVED BY: Louise A. Adams	Date 8/20/03	RECEIVED BY	Date	RECEIVED BY (LAB)	Time
Signature: Louise A. Adams	Time 11:00	Signature	Time	Signature	
Printed Name: HP Labs		Printed Name		Printed Name	

2 TOTAL NO. OF CONTAINERS

Sample Conditions
Received On Ice Yes/No
Tape Seal Intact Yes/No
Special Shipment/Handling Or Storage Requirements:

Split Sample Location
Site Identification
H# 137324 AT# 4945
SAM Kent Huth

Ninyo & Moore, Sean McGoey pm

Distribution: White - Laboratory
Yellow - Contractor/Responsible Party
Pink - SAM

DEH:SAM-999 (Rev. 2/98) NCR

County of San Diego
Department of Environmental Health

Ninyo & Moore Transmittal

5710 Ruffin Road, San Diego, California 92123 ◆ Phone 858/576-1000 ◆ Fax 858/576-9600 ◆ www.ninyoandmoore.com

To:	Kent Huth	**Date:**	9/26/03
Firm:		**Fax No:**	1-619-338-2315
Address:		**Telephone No:**	
From:	Sean O'Meara McGoey, Senior Project Geologist Office: 858.576.1000, ext.1267. Pager 619.891.0292	**Total Pages Including Transmittal:**	8
Subject:		**Project No:**	

☐ **Urgent**	☐ **For Approval**	☐ **For Your Use**	☐ **Please Reply**	☐ **As Requested**
Original Document:	☐ **Will Not Follow**	☐ **Will Follow**	☐ **By U.S. Mail**	☐ **By Other**

Lab Data as Requested.

Sean

- Geotechnical Engineering
- Engineering Geology
- Materials Testing and Inspection
- Construction Management
- Engineering Design
- Environmental Engineering
- Environmental Site Assessments
- Regulatory Compliance and Permitting
- Water Quality and Resource Evaluations
- Hazardous Waste Management
- Soil and Groundwater Remediation
- Asbestos and Lead-Based Paint Surveys
- Geophysical Studies
- Mineral Resource Evaluations
- Value Engineering
- Forensic Studies
- Expert Witness Testimony

HP LABS

Ninyo & Moore 5710 Ruffin Road San Diego CA, 92123	Project: NM082103-30 Project Number: Bob Bowens Auto Service Project Manager Mr. Sean McGocy	Reported: 26-Aug-03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T1-W-8'	E308029-01	Soil	20-Aug-03	20-Aug-03

HP LABS

Ninyo & Moore 5710 Ruffin Road San Diego CA, 92123	Project: NM082103-30 Project Number: Bob Bowens Auto Service Project Manager: Mr. Sean McGoey	Reported: 26-Aug-03

Volatile Organic Compounds by EPA Method 8260B

HP Labs

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
T1-W-8' (E308029-01) Soil Sampled: 20-Aug-03 Received: 20-Aug-03									
Dichlorodifluoromethane	ND	5	ug/kg	0.5	EH32102	21-Aug-03	21-Aug-03	EPA 8260B	
Chloromethane	ND	5	"	"	"	"	"	"	
Vinyl chloride	ND	5	"	"	"	"	"	"	
Bromomethane	ND	5	"	"	"	"	"	"	
Chloroethane	ND	5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5	"	"	"	"	"	"	
Methylene chloride	ND	5	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Di-isopropyl ether	ND	5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5	"	"	"	"	"	"	
Chloroform	ND	5	"	"	"	"	"	"	
Bromochloromethane	ND	5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5	"	"	"	"	"	"	
Carbon tetrachloride	ND	5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	5	"	"	"	"	"	"	
Benzene	ND	5	"	"	"	"	"	"	
Trichloroethene	ND	5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5	"	"	"	"	"	"	
Bromodichloromethane	ND	5	"	"	"	"	"	"	
Dibromomethane	ND	5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5	"	"	"	"	"	"	
Toluene	ND	5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5	"	"	"	"	"	"	
Tetrachloroethene	ND	5	"	"	"	"	"	"	
Dibromochloromethane	ND	5	"	"	"	"	"	"	
Chlorobenzene	ND	5	"	"	"	"	"	"	
Ethylbenzene	ND	5	"	"	"	"	"	"	

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

Volatile Organic Compounds by EPA Method 8260B

HP Labs

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
T1-W-8' (E308029-01) Soil Sampled: 20-Aug-03 Received: 20-Aug-03									
1,1,1,2-Tetrachloroethane	ND	5	ug/kg	0.5	EH32102	21-Aug-03	21-Aug-03	EPA 8260B	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5	"	"	"	"	"	"	
Styrene	ND	5	"	"	"	"	"	"	
Bromoform	ND	5	"	"	"	"	"	"	
Isopropylbenzene	ND	5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5	"	"	"	"	"	"	
n-Propylbenzene	ND	5	"	"	"	"	"	"	
Bromobenzene	ND	5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5	"	"	"	"	"	"	
2-Chlorotoluene	ND	5	"	"	"	"	"	"	
4-Chlorotoluene	ND	5	"	"	"	"	"	"	
tert-Butylbenzene	ND	5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5	"	"	"	"	"	"	
sec-Butylbenzene	ND	5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5	"	"	"	"	"	"	
n-Butylbenzene	ND	5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5	"	"	"	"	"	"	
Naphthalene	ND	5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5	"	"	"	"	"	"	
Tert-butyl alcohol	ND	25	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.8 %*		*65-135*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*		*52-149*	"	"	"	"	
Surrogate: Toluene-d8		*90.4 %*		*65-135*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*117 %*		*65-135*	"	"	"	"	

HP LABS

Ninyo & Moore 5710 Ruffin Road San Diego CA, 92123	Project: NM082103-30 Project Number: Bob Bowens Auto Service Project Manager: Mr. Sean McGoey	Reported: 26-Aug-03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

HP Labs

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH32102 - EPA 5030										
Blank (EH32102-BLK1)				Prepared & Analyzed: 21-Aug-03						
Dichlorodifluoromethane	ND	5.0	ug/kg							
Chloromethane	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Bromomethane	ND	5.0	"							
Chloroethane	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
Methyl tert-butyl ether	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
Di-isopropyl ether	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
Ethyl tert-butyl ether	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
Chloroform	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
Tert-amyl methyl ether	ND	5.0	"							
Benzene	ND	5.0	"							
Trichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Dibromomethane	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
Toluene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							

HP LABS

Ninyo & Moore 5710 Ruffin Road San Diego CA, 92123	Project: NM082103-30 Project Number: Bob Bowens Auto Service Project Manager: Mr. Sean McGocy	Reported: 26-Aug-03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

HP Labs

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH32102 - EPA 5030										
Blank (EH32102-BLK1)				Prepared & Analyzed: 21-Aug-03						
1,2-Dibromoethane (EDB)	ND	5.0	ug/kg							
1,3-Dichloropropane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Styrene	ND	5.0	"							
Bromoform	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Bromobenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Naphthalene	ND	5.0	"							

HP LABS

Ninyo & Moore 5710 Ruffin Road San Diego CA, 92123	Project: NM082103-30 Project Number: Bob Bowens Auto Service Project Manager: Mr. Sean McGoey	Reported: 26-Aug-03

Volatile Organic Compounds by EPA Method 8260B - Quality Control

HP Labs

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH32102 - EPA 5030										
Blank (EH32102-BLK1)				Prepared & Analyzed: 21-Aug-03						
1,2,3-Trichlorobenzene	ND	5.0	ug/kg							
Tert-butyl alcohol	ND	25	"							
Surrogate: Dibromofluoromethane	*22.9*		"	*25.0*		*91.6*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*22.0*		"	*25.0*		*88.0*	*52-149*			
Surrogate: Toluene-d8	*22.5*		"	*25.0*		*90.0*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*26.9*		"	*25.0*		*108*	*65-135*			
LCS (EH32102-BS1)				Prepared & Analyzed: 21-Aug-03						
1,1-Dichloroethene	21.5	5.0	ug/kg	25.0		86.0	65-135			
Benzene	24.9	5.0	"	25.0		99.6	65-135			
Trichloroethene	23.7	5.0	"	25.0		94.8	65-135			
Toluene	24.4	5.0	"	25.0		97.6	65-135			
Chlorobenzene	23.4	5.0	"	25.0		93.6	65-135			
Surrogate: Dibromofluoromethane	*22.8*		"	*25.0*		*91.2*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*22.8*		"	*25.0*		*91.2*	*52-149*			
Surrogate: Toluene-d8	*23.0*		"	*25.0*		*92.0*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*24.7*		"	*25.0*		*98.8*	*65-135*			
Matrix Spike (EH32102-MS1)	Source: E308029-01			Prepared & Analyzed: 21-Aug-03						
1,1-Dichloroethene	22.1	5.0	ug/kg	25.0	ND	88.4	65-135			
Benzene	26.0	5.0	"	25.0	ND	104	65-135			
Trichloroethene	24.9	5.0	"	25.0	ND	99.6	65-135			
Toluene	25.2	5.0	"	25.0	ND	101	65-135			
Chlorobenzene	24.3	5.0	"	25.0	ND	97.2	65-135			
Surrogate: Dibromofluoromethane	*23.3*		"	*25.0*		*93.2*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*23.1*		"	*25.0*		*92.4*	*52-149*			
Surrogate: Toluene-d8	*20.4*		"	*25.0*		*81.6*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*27.3*		"	*25.0*		*109*	*65-135*			

HP LABS

Ninyo & Moore	Project: NM082103-30	
5710 Ruffin Road	Project Number: Bob Bowens Auto Service	Reported:
San Diego CA, 92123	Project Manager: Mr. Sean McGoey	26-Aug-03

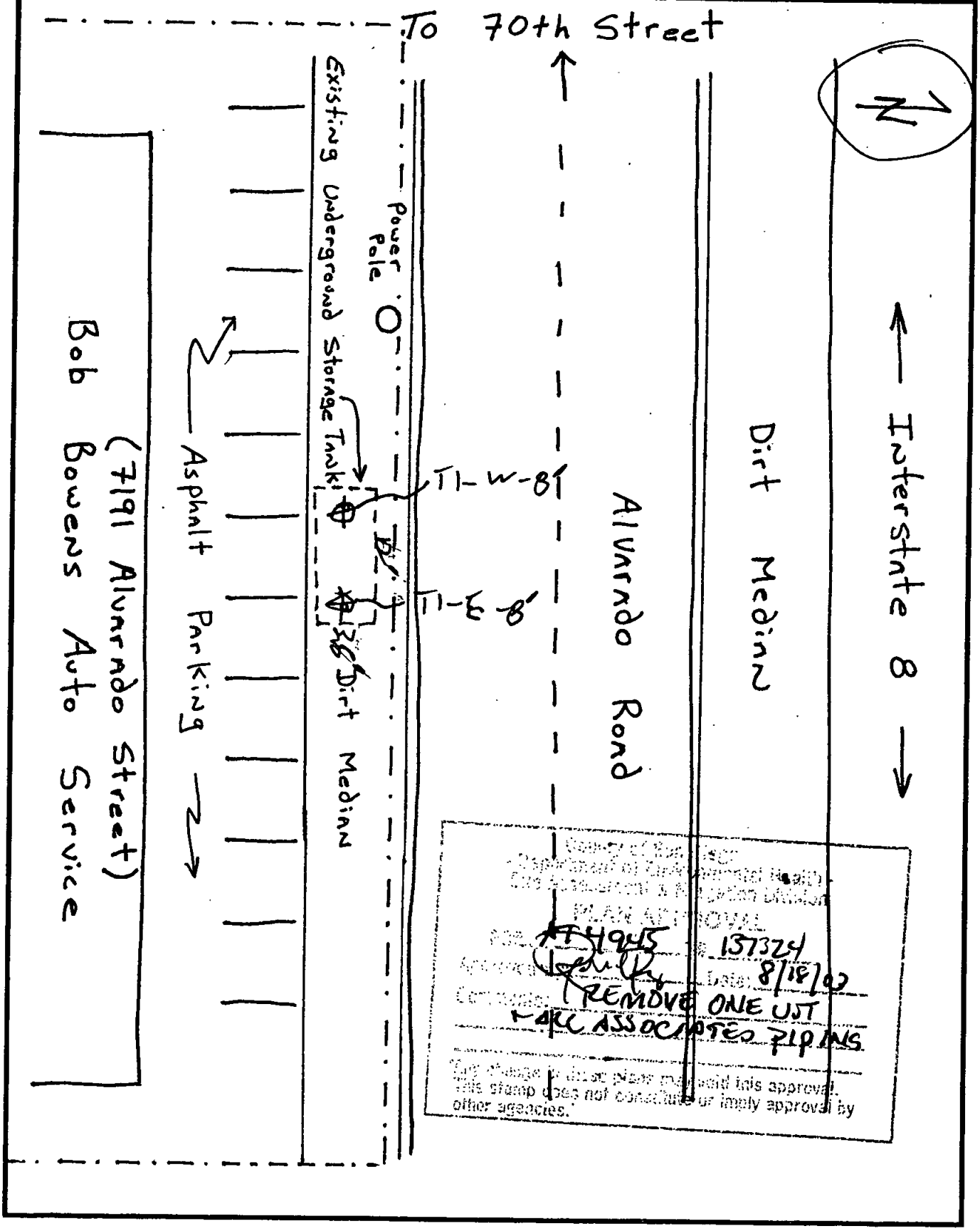
Volatile Organic Compounds by EPA Method 8260B - Quality Control

HP Labs

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH32102 - EPA 5030										
Matrix Spike Dup (EH32102-MSD1)		**Source: E308029-01**		Prepared & Analyzed: 21-Aug-03						
1,1-Dichloroethene	22.4	5.0	ug/kg	25.0	ND	89.6	65-135	1.35	30	
Benzene	27.1	5.0	"	25.0	ND	108	65-135	4.14	30	
Trichloroethene	25.5	5.0	"	25.0	ND	102	65-135	2.38	30	
Toluene	25.7	5.0	"	25.0	ND	103	65-135	1.96	30	
Chlorobenzene	24.6	5.0	"	25.0	ND	98.4	65-135	1.23	30	
Surrogate: Dibromofluoromethane	*23.5*		"	*25.0*		*94.0*	*65-135*			
Surrogate: 1,2-Dichloroethane-d4	*23.9*		"	*25.0*		*95.6*	*52-149*			
Surrogate: Toluene-d8	*23.4*		"	*25.0*		*93.6*	*65-135*			
Surrogate: 4-Bromofluorobenzene	*28.3*		"	*25.0*		*113*	*65-135*			

Ninyo & Moore

Project Name UST Removal
Project Number 7191 Alvarado Road
Calculated By San Diego CA Date 8/14/03
Checked By Date
Scale Sheet of



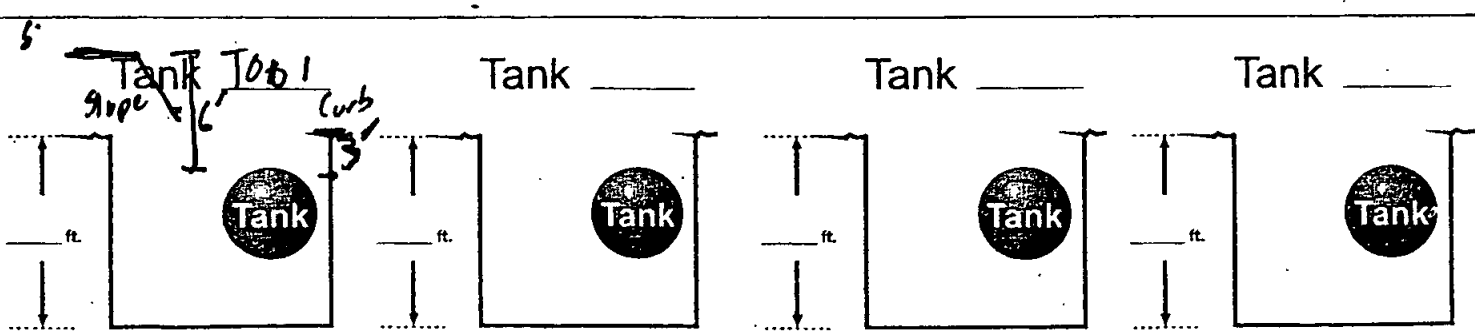
UST Removal Field Notes (Page 2)

H 37324

All Drawings should include the following:

1. Disposal site for tank and piping
2. Approximate length, width, depth of excavation and overburden
3. Distance of the UST excavation and piping with reference to significant structures such as buildings, railroad tracks, waterways, wells etc.
4. Note rivers, lakes, streams, wells etc.

Additional Notation



County of San Diego
Department of Environmental Health
Hazardous Materials Division
1255 Imperial Avenue
P.O. Box 129261
San Diego, CA 92112-9261

OFFICE USE ONLY

ACTIVITY CODE 428T23

Permit # AT4945
Establishment # 137324
Date: August 18, 2003
Expiration Date: August 18, 2004

Permit for Underground Storage Tank Construction/Closure

SITE NAME: **Bob Bowen Auto Service**
SITE ADDRESS: **7191 Alvarado Road, La Mesa, CA 91941**
OWNER NAME: **MTDB**
OWNER ADDRESS: **1255 Imperial Avenue, San Diego, CA 92101**

DESCRIPTION OF PROPOSED WORK: **Remove one underground storage tank and all associated piping**

In accordance with SDCC Ordinance Title 6, Chapter 10, Section 68.1004 (b), USTs must be removed within 180 days of permit approval. The deadline to remove USTs is February 18, 2004.

PERMIT CONDITIONS: For tank systems that are to be removed, the excavation shall be exposed prior to the scheduled inspection and sampling points identified by the DEH inspector. Sampling is required for both tank(s) and piping. The tank(s) and piping must remain in the excavation until the DEH inspector approves the removal.

1) All piping and underground storage tanks must be removed at the same time. Failure to do so will result in a re-inspection and $350.00 re-inspection fee.

2) A least one sample must be analyzed for MTBE and related oxygenates (DIPE, TAME, ETBE, TBA) using EPA Method 8260B

3) Certificate of Disposal/manifests required for tank

Please be advised:

All underground storage tanks that are to be removed **must be cleaned** and properly inerted prior to the removal

1) The tanks are visually free from all product, sludge, rinsate and debris. Residual staining caused by soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices and pits may be present.

2) Tanks that held a Hazardous material or hazardous waste that had the potential to generate flammable vapors, must be properly inerted. A combustible gas indicator (CGI), which is properly calibrated, shall be used to measure the concentration of flammable vapor at the top, center and bottom of the underground storage tank. The concentration of flammable vapor must be below twenty percent of the Lower Explosive Limit (LEL) for the material that was contained in the tank(s) and the oxygen concentration shall be the same as that of ambient air, approximately 20.8%. The underground storage tank(s) must inerted with dry ice using a minimum of 15 pounds for every 1000 gallons of tank capacity.

3) Failure to have the tank properly cleaned prior to the time of the removal will result in the cancellation of the removal and will require a re-inspection and $350.00 re-inspection fee.

This office must be given at least 48 hours notice for all required Underground Storage Tank Activity.

Please call at (619) 338-2214 to schedule an appointment. For cancellations, please call (619) 237- 8451.

Plans Reviewed and Approved By: **Robert Rapista** Date: 8/18/03
Notified _____

Dig Alert #: A7260880

PERMIT APPLICATION

RECEIVED

GENERAL PROJECT INFORMATION

2003 AUG 14 PM 4 34

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

DEH MAILROOM

OFFICE USE ONLY	
PERMIT #:	137324
PLAN CK#:	AT4945
DATE RECEIVED:	8-14-2003
FEE PAID:	#
PLAN APPROVAL	8/18/03 (R)
HYDRO UNIT:	
BENEF. USE:	

ORIGINAL

A. **SITE NAME:** Bob Bowen Auto Service

SITE ADDRESS: 7191 Alvarado Rd. City La Mesa Zip 91941

B. **PROPERTY OWNER:**

Assessors Parcel No. 469-020-3700

Company MTDB Contact Ramon Ruelas

Mailing Address 1255 Imperial Ave City S.D State CA Zip 92101

Phone ( ) 619.595.4904

24-Hour Emergency Contact Same Phone ( )

C. **TANK OPERATOR:** Not Known

Company Contact

Mailing Address City Zip

Phone ( )

24-Hour Emergency Contact Phone ( )

D. **CONTRACTOR PERFORMING WORK:**

Primary Contractor Ace Excavating Contract Larry Gilman

Mailing Address 1020 Greenfield City El Cajon Zip 92021

Phone ( ) 619.441.4900

State Contractor License 704463

Hazardous Substances Certificate 704463-HAZ

Worker's Compensation Insurance Company State Fund

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS

Submit one (1) original and two (2) copies of this application package, including plan drawings with the required fee to the Department of Environmental Health (DEH), Hazardous Materials Division, 1255 Imperial Avenue, San Diego, CA 92101; or mail to P.O. Box129261, San Diego, CA 92112-9261. **Checks should be made payable to the County of San Diego.**

A permit will be issued by DEH upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued. Once the permit has been issued, it is the responsibility of the permittee to notify DEH at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III, IV, & V).

F. **PROJECT WORK TO BE COMPLETED:** Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE TABLE G
☐ Installation/Construction of new tank(s) systems only (without closing any existing tanks)	I & II	1
☐ Closure of existing tank(s) systems with installation of new tanks (tank replacement)	I, II & III	1 & 2
☒ Closure of existing tank(s) systems with no new tank installation	I & III	2
☐ Interior coating/repair of an existing underground storage tank	I & IV	1
☐ Repipe/pipe-repair piping upgrade of an existing underground storage tank facility	I & V	3
☐ Installation/Construction of vaulted tanks	VI	4

G. **FEES:** The fees shown below cover plan review and the required field inspections. Use the appropriate Fee Code as determined in Section F above.

FEE CODE		
	Installation fee for first tanks $985.00 **(fee will apply to all tank installations, tank repairs, interior lining and bladder installations)**	Fee: $
1	Installation fee for each additional tank No. _____ X $100.00	Fee: $
	Establishment Base Fee $190.00 (Applies to establishments not currently under permit with DEH)	Fee: $
	Operating Permit Fee per tank No. _____ X $285.00 (Does not apply to replacement tanks if the existing tank to be replaced has paid current operating permit fees)	Fee: $
2	Closure fee for first tank $565.00	Fee: $ 565.00
	Closure fee for each additional tank No. _____ X $95.00	Fee: $
3	**NOTE: Upgrades / Repair shall include but not limited to pipe repairs, repipes, and new monitoring system installations**	
	Upgrade /Repair – 2 inspections (including soil sampling) $835.00	Fee: $
	Upgrade /Repair – 1 inspection and no soil sampling $590.00	Fee: $
4	Consultation fee (e.g. vaulted tank: minimum 2 hours) _____ Hours X $100.00	Fee: $
5	Re-inspection fee $330.00	Fee: $
	Plan Re-Review $220.00	Fee: $
	TOTAL FEE: $	565.00

H. **PERMITS REQUIRED BY OTHER AGENCIES:**

FIRE DEPARTMENT X APCD _____ BUILDING DEPARTMENT _____ OTHER _____

Provide copies of approved applications from these departments and others if needed.

↳ City of La Mesa Fire Dept.

PERMIT APPLICATION
PART III
APPLICATION FOR PERMIT TO CLOSE UNDERGROUND STORAGE TANK SYSTEM

A. TOTAL NUMBER OF TANK SYSTEMS TO BE CLOSED: 1
NOTE: UST SYSTEMS INCLUDE TANK AND ALL ASSOCIATED PIPING.

B. DESCRIPTION OF TANKS TO BE CLOSED:

TANK NO.	CAPACITY	DATE INSTALLED	TANK COMPOSITION	TANK PRESENTLY IN USE?	MATERIALS STORED IN TANK
1	1000	unknown	Steel	No	Unknown

C. HAS THE TANK SYSTEM EVER FAILED OR LEAKED? YES ☐ NO ☐ UNKNOWN ☒

D. REASON FOR TANKS TO BE CLOSED:

DEH USE ONLY:
Project Manager:
Type:

☐ Meet current state/federal requirements

☐ Replacement of existing tanks

☐ Tank system failure, briefly describe

☒ No longer in use Other, briefly describe

E. PREVIOUS OWNERS AND OPERATORS OF THE TANKS:

Dates	Owner/Operator
unKnown	

F. **PROPOSED METHOD OF CLOSURE:** [X] **REMOVAL** ☐ **CLOSURE IN PLACE**

SAMPLING PROTOCOL Tank owner/authorized representative responsible for all sampling analyses and associated costs.

- _ For tank systems that are to be removed. The excavation shall be exposed prior to the scheduled inspection and sampling points identified by the Department of Environmental Health (DEH) inspector. Sampling is required for both tank and piping. **The tank and piping must remain in the excavation until the DEH Inspector approves the removal.**
- _ Tank systems to be closed in place. Submit an alternate plan which must include soil sampling, reason for closing the tank system in place and type of material to be used to fill the tank. Soil sampling and/or hydrostatic testing is also required for piping closures. Tank system closure in place will only be considered after evaluating the risks and hazards if the tank system

G. **DISPOSAL SITE OF TANK:** Pacific Steel Recycling, National City

Note: You must inform DEH of the address of where the tank and piping is to be disposed. **Plans will be disapproved without this information.**

H. **ATTACH THREE COPIES OF PLANS SHOWING THE FOLLOWING:**

1. Property lines, site address, scale, north arrow.
2. Location of all existing structures.
3. Location of all existing underground storage tank facilities.
4. Location of underground storage tanks and piping to be closed.
5. Location of underground utility lines and vaults.

I. **REQUIRED INSPECTION-PERMIT TO CLOSE**

A representative from DEH must be on site at the time the tank(s) are closed.

1. [X] **TANK SYSTEM CLOSURE BY REMOVAL:**
The excavation shall be exposed prior to the scheduled inspection. The tank owner/authorized representative on site must submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. A combustible gas instrument and soil sampling equipment must be on site. The DEH Inspector will identify sampling points. The tank and piping must remain in the excavation until DEH approves the removal.

2. **TANK SYSTEM CLOSURE IN PLACE:**
   - _ Soil sampling for tank(s) and piping.
   - _ After approval of the alternate plan, the tank owner/authorized representative on site shall submit a uniform hazardous waste manifest demonstrating that the tank has been properly decontaminated. The DEH Inspector shall verify that the tank system has been properly emptied and will witness the filling with an approved inert substance. Piping must be closed at the same time as the tank.

J. **DECLARATION**

I declare that to the best of my knowledge and belief, the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Department of Environmental Health (DEH).

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for further development (e.g. soil compaction testing) are in addition to the requirements of the Department of Environmental Health (DEH).

I will notify the Department of Environmental Health (DEH) at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared or assumed by the County of San Diego.

SIGNATURE [signature] & Sean McGoey TITLE Project Manager Ninyo & Moore

858-576-1000, 1267

For Jane Wiggins

re: Storage tank

Copy to Kelly 5/19/86

CITY OF LA MESA

La Mesa Fire Department
8034 Allison Avenue
May 1, 1986

Mr. Bob Sheppard
P.O. Box 602
Escondido, CA 92125

Subject: Underground Storage Tank Removal

Dear Mr. Sheppard:

This letter is to confirm our conversation of April 28, 1986 regarding the underground storage tank at 7191 Alvarado Road, La Mesa, CA 92041.

The existence of the underground storage tank at 7191 Alvarado Road is in violation of the 1982 Uniform Fire Code that requires tanks placed out of service for one year must be removed and the hole properly filled or abandoned in place and safe-guarded in a manner and filled with a material approved by the Chief. It is the policy of the La Mesa Fire Department to remove tanks.

Your cooperation and immediate attention to this matter will be appreciated.

Sincerely,

Mike Madrigal

Mike Madrigal
Fire Inspector
LA MESA FIRE DEPARTMENT

Enclosure

MM/ab

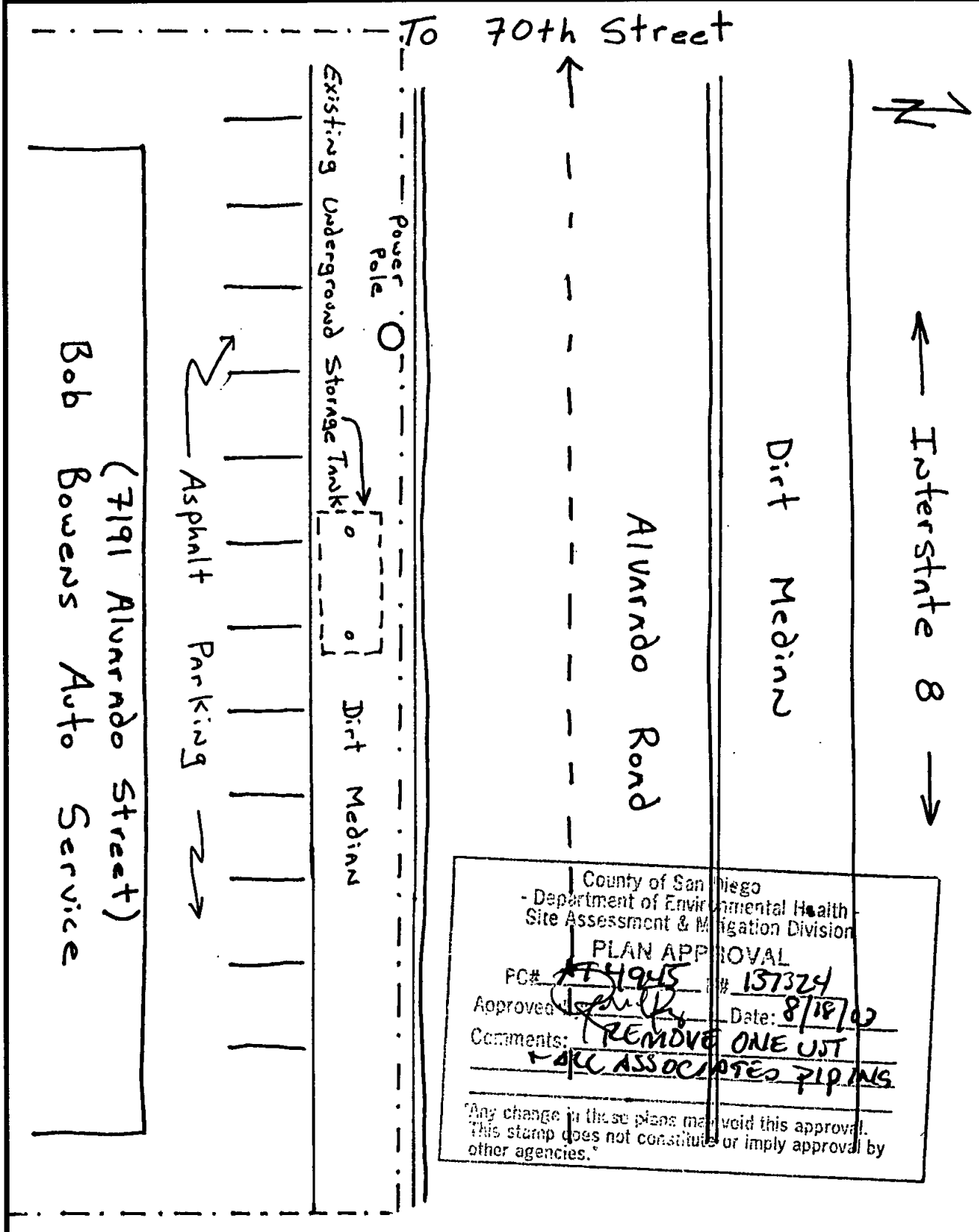
Post-it® Fax Note 7671	Date 8/12/03	# of pages ▶ 1
To Jean McCrory	From Jane / Susan	
Co./Dept. Ninyo + Moore	Co. LMFD	
Phone # 858-576-1000	Phone # 760-721-1776	
Fax # 858-576-9600	Fax # 760-721-6676	



SEE 1250 MAP
F
G
H
91942
91941
LUST Location
MURRAY BLVD
BALTIMORE
AZTEC DR
MOROCCO DR
AZTEC PARK
BALTIMORE WEST
PARKWAY
FLETCHER DR
FRWY
LA MESA CROSSROADS
BLVD
CAJON
ALVARADO
CANYON
PARK & RIDE
COLONY DR
COMANCHE DR
SARANAC AV
SARANAC PL
GUAVA
WOODYARD AV
MOHAWK
WILLIAMS AV
THORNE DR
LA MESITA PL
JULIETTE PL
WATSON WY
COLONY RD
MARIE AV
CARTER PL
SUNSET DR
VISTA DR
LOMA
TROY
CLEARVIEW
CAPITAN DR
CULOWEE ST
UNIVERSITY PL
HILLSIDE DR
OHIO PL
PARKS
SUNCREST DR
CIMMARON LN
LEMON CIR
FAIRVIEW
QUINCE ST
WESTVIEW
PASADENA DR
PROSPECT WY
WINDSOR DR
SHELDON
CHARMARIE CIR
BONITA PL
CAMELLIA DR
SANTA MARIA DR
EUCALYPTUS HILL
OLIVE PL
HOMEWOOD PL
SENECA PL
POMONA WY
KATHERINE
VASSAR AV
CORNELL AV
PRINCETON AV
WEST POINT AV
STANFORD
BERKELEY DR
ANNAPOLIS
NERI DR
STURGESS AV
MURIEL PL
ROSEBUD LN
DALE AV
MAPLE AV
NORMAL AV
AVON
SOUTH ST
CULBERTSON AV
LOWELL CT
OLIVE
POMONA
HARVARD
DANA AV
NORMANDIE
DAUER AV
ZELDA AV
JESSIE
WILLIAMSBURG LN
DENWOOD RD
TROY LN
LEE AV
GRAPE ST
MUNROE ST
LOWELL
VETTER PL
71ST ST
72ND ST
73RD
69TH PL
MANCHESTER
ARIZONA AV
WISCONSIN AV
LAKE AV
WYOMING AV
CONNECTICUT AV
OHIO AV
OREGON AV
MARY FELLOWS AV
MCRAE AV
MELODY LN
MACQUARIE ST
BALDRICH ST
MAGRUDER ST
GRABLE ST
PARKWAY
GUESSMAN AV
KIOWA
OAKLAND RD
MARYLAND
COLEMAN PREP HS
TUFTS ST
SETON HALL ST
WHEATON ST
SWARTHMORE ST
WELLESLEY ST
WELLESLEY ST W
WELLESLEY ST E
SHASTA LN
LESA RD
LAKE PARK WY
COLLINS AV
VILLAGE
SOPER
BRUNO LN
MORRO
11
12
13A

Ninyo & Moore

Project Name UST Removal
Project Number 7191 Alvarado Road
Calculated By San Diego CA Date 8/14/03
Checked By Date
Scale Sheet of



County of San Diego
- Department of Environmental Health -
Site Assessment & Mitigation Division
PLAN APPROVAL
PC# AH1945 # 137324
Aoproved Date: 8/18/03
Comments: REMOVE ONE UST
ALL ASSOCIATED PIPING

"Any change in these plans may void this approval. This stamp does not constitute or imply approval by other agencies."

EST. H#_____

PLAN CHECK #_____

WORKPLAN
FOR
UNDERGROUND STORAGE TANK CLOSURE

1. Site Name: Bob ~~Bowers~~ Bowen's Auto Service @
2. Site Address: 7191 Alvardo Road, San Diego, CA.

3. Describe the existing land use in the surrounding area (residential, commercial, schools). Describe the locations of nearest receptors and the prevailing wind.

   The UST is located in a dirt median next to Alvardo Road.

   The surrounding area is commercial with auto repair.

4. Explain how the excavation will be secured. Describe fencing/site security and other methods that ensure public safety.

   The excavation is secured by barrier tape and traffic barricades.

   THE SITE IS MONITORED BY SITE STAFF. How?

5. If soil is to be stockpiled, describe the location on the Plan Check map. Describe method of soil containment (berming/covers, run-off control).

   The top of the UST is already exposed, minimal dirt will be stockpiled. Any soil that is stockpiled will be set on plastic sheeting and covered at the end of the day. The soil will be bermed to prevent runoff.

6. Do you plan to conduct site assessment or remedial work beyond what is necessary to remove the underground storage tank(s) and perform the mandory soil sampling required by the Site Assessment and Mitigation Program (SAM) of the Department of Environmental Health?

   [XXX] Yes, if contaminationiis present. [ ] No

If Yes, a Workplan for Post-Tank Removal Investigation must be completed under the direction of a registered professional.

Signature _____ Sean McGoey

Title Senior Project Manger

Telephone 858-576-1000, ext. 1267 Date Aug. 14, 2003

DEH:SAM-9176 (Rev. 6/99)

County of San Diego
Department of Environmental Health

Dig Alert #: A7260880

**** Office Use Only ****
Establishment No. #H
Plan Check #
DEH Inspector

WORKPLAN FOR POST-TANK REMOVAL INVESTIGATION

Complete this Workplan only if you intend to utilize a backhoe to investigate the extent of hydrocarbon contamination within 72 hours of the removal of an underground storage tank (UST). This site investigation work must be implemented in accordance with the DEH-SAM Manual and under the direction of an appropriately Registered Geologist (RG), Certified Engineering Geologist (CEG) or Registered Civil Engineer (RCE). A complete site assessment report, signed by the above referenced registered professional, must be submitted to DEH within 60 days of the date of the field investigation. This workplan must be signed by the above referenced registered professional.

1. Establishment Name/Address

   Bob Bowen's Auto Service

   7191 Alvardo Road, La Mesa, CA 91941

2. Contractor, Contact & Phone No.

   Ace Excavating and Environmental Services 619.441.4900

   Environmental Consultant, Contact & Phone No.

   Ninyo & Moore, 858.576-1000

   Registered Professional (defined above) & Phone No.

   Peter Clark 858-576-1000, 1268

3. Describe how the backhoe will be utilized to conduct the site investigation (ie. potholing, trenching, etc.) and estimate the maximum quantity of soil to be excavated.

   A backhoe will be used to delineate soil contamination if present

   No more than 50 cubic yards of contaminated soil will be excavated.

4. Describe the soil sample collection methods and laboratory to be used (reference Section 5.III of the SAM Manual). Soil analysis must be performed by a California DTSC Certified Laboratory.

Soil samples will be collected off the teeth of the backhoe and transfered into laboratory supplied jars for delivery to a state certified laboratory for analysis. HP Laboratories will be utilized for the analysis., located in Solana Beach, CA.

What analysis? TPH BTEX MTBE ANALYSES WILL INCLUDED TPH-EXTENDED, VOCs, BTEX, MTBE AND TITLE 22 METALS.

5. Attach a site drawing (to scale) which includes at a minimum: site structures, subsurface utility lines and fuel lines, UST(s) location, site investigation area, stockpiled soil area, prevailing wind direction, adjacent street and property uses, surface water and wells.

Attached

6. Describe methods to monitor and control hydrocarbon vapor emissions at the excavation site.

Aphotoionization detector (PID) will be used to screen soil samples and hydrocabon vapor emissions. If contaminated soils are encountered they will be covered with plastic sheeting and secured with sand bags.

7. Describe the procedures for the management of excavated soil, i.e. soil, segregation, engineering controls for the stockpile soil (reference Section 7.VI of the SAM Manual), soil characterization, on-site soil management, off-site disposal, on-site treatment, etc. Describe the Best Management Practices (BMPs) to be used in the event of rainfall to control erosion from stockpiled soil.

Excavated soils will be placed on plastic sheeting and coveredwith plastic sheeting at the end of the work day activities. Contaminated soils, if detected, will be segregated and managed onsite pending offsite disposal. within 30 days.

are stockpiles - 'clean' or contaminated must be properly managed.

8. A Public Notification Program must be implemented prior to commencing the site investigation. Attach a copy of the public notice and provide a written description of the program (reference Section 4.IV of the SAM Manual). Identify the targeted population and the method of public notice distribution.

The UST is empty and has been cleaned prior to removal, It is not anticipated that there has been a significate release ofpetroleum hydrocarbons from the UST. The UST was probably used for fuel oil storage, very small volatile fraction. However, the site will be barricaded with caution tape and signs will be posted notifiying the public of the contaminates of concern. Work will be completed within 72 hours.

Please Note:

- The investigation trench or excavation must be logged under the direction of a RG, CEG or RCE and include a complete description of the subsurface soil and/or rock.
- All contaminated soil should either be removed from the site or be treated on-site (with agency approval) within 45 days of site excavation.
- The site excavation must be secured with fencing, site security and other methods as required to ensure public safety. DEH recommends backfilling the excavation site for safety reasons within 72 hours of the post-tank removal investigation.

Prepared by:

Sean McGoey N&M — 8/13/03
(Name, print or type) (Company) (Signature) (date)

Approved by Tank/Property Owner:

Ramon Ruelas MTBE — Aug 13, 2003
(Name, print or type) (Signature) (date)

Approved by DEH, SAM Program:

(Name, print or type) (Signature) (date)

EST. H# 137324
PLAN CHECK # A74945

WORKPLAN
FOR
UNDERGROUND STORAGE TANK CLOSURE

1. Site Name Bob ~~Boggs~~ Bowen's Auto Service (2)
2. Site Address 7191 Alvardo Road, San Diego, CA.

3. Describe the existing land use in the surrounding area (residential, commercial, schools). Describe the locations of nearest receptors and the prevailing wind.

The UST is located in a dirt median next to Alvardo Road.

The surrounding area is commercial with auto repair.

4. Explain how the excavation will be secured. Describe fencing/site security and other methods that ensure public safety.

The excavation is secured by barrier tape and traffic barricades.

~~THE SITE IS MONITORED BY SITE STAFF.~~ The Excavation will be backfilled with Clean Soil The Same day. (2)

5. If soil is to be stockpiled, describe the location on the Plan Check map. Describe method of soil containment (berming/covers, run-off control).

The top of the UST is already exposed, minimal dirt will be stockpiled. Any soil that is stockpiled will be set on plastic sheeting and covered at the end of the day. The soil will be bermed to prevent runoff. The Stockpile will be Removed within 30day. (2)

6. Do you plan to conduct site assessment or remedial work beyond what is necessary to remove the underground storage tank(s) and perform the mandory soil sampling required by the Site Assessment and Mitigation Program (SAM) of the Department of Environmental Health?

☒ Yes, if contamination is present. ☐ No

If Yes, a Workplan for Post-Tank Removal Investigation must be completed under the direction of a registered professional.

Signature _____ Sean McGoey

Title Senior Project Manger

Telephone 858-576-1000, ext. 1267 Date Aug. 14, 2003

DEH:SAM-9176 (Rev. 6/99)

County of San Diego
Department of Environmental Health

Dig Alert # A7260880

**** Office Use Only ****
Establishment No. #H
Plan Check #
DEH Inspector

WORKPLAN FOR POST-TANK REMOVAL INVESTIGATION

Complete this Workplan only if you intend to utilize a backhoe to investigate the extent of hydrocarbon contamination within 72 hours of the removal of an underground storage tank (UST). This site investigation work must be implemented in accordance with the DEH-SAM Manual and under the direction of an appropriately Registered Geologist (RG), Certified Engineering Geologist (CEG) or Registered Civil Engineer (RCE). A complete site assessment report, signed by the above referenced registered professional, must be submitted to DEH within 60 days of the date of the field investigation. This workplan must be signed by the above referenced registered professional.

1. Establishment Name/Address

   Bob Bowen's Auto Service

   7191 Alvardo Road, La Mesa, CA 91941

2. Contractor, Contact & Phone No.

   Ace Excavating and Environmental Services 619.441.4900

   Environmental Consultant, Contact & Phone No.

   Ninyo & Moore, 858.576-1000

   Registered Professional (defined above) & Phone No.

   Peter Clark 858-576-1000, 1268

3. Describe how the backhoe will be utilized to conduct the site investigation (ie. potholing, trenching, etc.) and estimate the maximum quantity of soil to be excavated.

   A backhoe will be used to delineate soil contamination if present

   No more than 50 cubic yards of contaminated soil will be excavated.

4. Describe the soil sample collection methods and laboratory to be used (reference Section 5.III of the SAM Manual). Soil analysis must be performed by a California DTSC Certified Laboratory.

Soil samples will be collected off the teeth of the backhoe and transfered into laboratory supplied jars for delivery to a state certified laboratory for analysis. HP Laboratories will be utilized for the analysis., located in Solana Beach, CA.

5. Attach a site drawing (to scale) which includes at a minimum: site structures, subsurface utility lines and fuel lines, UST(s) location, site investigation area, stockpiled soil area, prevailing wind direction, adjacent street and property uses, surface water and wells.

Attached

6. Describe methods to monitor and control hydrocarbon vapor emissions at the excavation site.

Aphotoionization detector (PID) will be used to screen soil samples and hydrocabon vapor emissions. If contaminated soils are encountered they will be covered with plastic sheeting and secured with sand bags.

7. Describe the procedures for the management of excavated soil, i.e. soil segregation, engineering controls for the stockpile soil (reference Section 7.VI of the SAM Manual), soil characterization, on-site soil management, off-site disposal, on-site treatment, etc. Describe the Best Management Practices (BMPs) to be used in the event of rainfall to control erosion from stockpiled soil.

Excavated soils will be placed on plastic sheeting and coveredwith plastic sheeting at the end of the work day activities. Contaminated soils, if detected, will be segregated and managed onsite pending offsite disposal.

S. A Public Notification Program must be implemented prior to commencing the site investigation. Attach a copy of the public notice and provide a written description of the program (reference Section 4.IV of the SAM Manual). Identify the targeted population and the method of public notice distribution.

The UST is empty and has been cleaned prior to removal. It is not anticipated that there has been a significate release ofpetroleum hydrocarbons from the UST. The UST was probably used for fuel oil storage, very small volatile fraction. However, the site will be barricaded with caution tape and signs will be posted notifiying the public of the contaminates of concern. Work will be completed within 72 hours.

Please Note:

- The investigation trench or excavation must be logged under the direction of a RG, CEG or RCE and include a complete description of the subsurface soil and/or rock.
- All contaminated soil should either be removed from the site or be treated on-site (with agency approval) within 45 days of site excavation.
- The site excavation must be secured with fencing, site security and other methods as required to ensure public safety. DEH recommends backfilling the excavation site for safety reasons within 72 hours of the post-tank removal investigation.

Prepared by:

Sean McGoey N&M — 8/13/03
(Name, print or type) (Company) (Signature) (date)

Approved by Tank/Property Owner:

Ramon Ruelas MTBE — Aug 13, 2003
(Name, print or type) (Signature) (date)

Approved by DEH, SAM Program:

(Name, print or type) (Signature) (date)

Ninyo & Moore Transmittal

5710 Ruffin Road, San Diego, California 92123 ◆ Phone 858/576-1000 ◆ Fax 858/576-9600 ◆ www.ninyoandmoore.com

To:	Mr. Robert Rapista	**Date:**	August 14, 2003
Firm:	San Diego County DEH	**Fax No:**	
Address:	Downtown San Diego	**Telephone No:**	
From:	Sean McGoey	**Total Pages Including Transmittal:**	
Subject:	UST Removal	**Project No:**	

☐ **Urgent**	☒ **For Approval**	☐ **For Your Use**	☐ **Please Reply**	☐ **As Requested**
Original Document:	☐ **Will Not Follow**	☐ **Will Follow**	☐ **By U.S. Mail**	☐ **By Other**

Hi Robert,
Hope all is well. Attached is a UST removal permit (with Fees) and Post UST Removal Workplan. The UST is in the rights-of-way for the new Mission Valley trolley project. The project is being run by the MTDB. If the permit can be expedited it would be excellent. I'm not sure about the workplan though, at least we got it in the paper chase. Thank you very much for your time in this matter. Questions?, please call me at 858-576-1000, ext. 1267 or my cell phone 858-245-4798.

Respectfully Submitted,

Sean McGoey
Senior Project Manager
Ninyo & Moore

- **Geotechnical Engineering**
- **Engineering Geology**
- **Materials Testing and Inspection**
- **Construction Management**
- **Engineering Design**
- **Environmental Engineering**
- **Environmental Site Assessments**
- **Regulatory Compliance and Permitting**
- **Water Quality and Resource Evaluations**
- **Hazardous Waste Management**
- **Soil and Groundwater Remediation**
- **Asbestos and Lead-Based Paint Surveys**
- **Geophysical Studies**
- **Mineral Resource Evaluations**
- **Value Engineering**
- **Forensic Studies**
- **Expert Witness Testimony**

OK 1-14 8m 1-15

COUNTY OF SAN DIEGO

EST. NUMBER H 53953

BIOMEDICAL - COMPLIANCE INSPECTION REPORT

DATE 1/10/97
X BUS CODE K10
SPECIALIST RChalmers

BUSINESS NAME Thin For Life
ADDRESS 7200 Parkway Drive suite 108
CITY/ZIP La Mesa 91942

CONTACT Isabelle
TITLE ~~Office~~ mgr.
PHONE 667-3377

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC), Division 20, Chapter 6.1; the San Diego County Code (SDCC); and local City ordinances. Violations determined from this inspection are noted below. The following statements are intended to provide guidance in correcting the violations noted: Processed 2/4/97 MS

JAN 31 1997

Office Use Only

NEW Facility Opened 1/8/97. A HEALTH Permit APPLICATION WAS LEFT AT FACILITY.
Facility generates Needles from drawing blood - Stored IN AN unlabeled SHARPS container. Contract present WITH BFI - None picked up yet.
VIOLATIONS/Corrective Action:
(1) Immediately, submit the health permit Application To HMMD To Address below.
(2) Within 30 days, submit a Bio waste mgmt plan to HMMD, Attn: RChalmers to Address below. BLANK PLAN Provided during inspection
(3) Immediately, Label SHARPS Container with Facility Name, Address & phone Number.

1	V4000	W	[X] A Permit has not been obtained for Medical Waste (Biohazardous) storage and disposal - (SDCC 68.1203, HSC 25030; 30.1; 41; 51)
	V4001	W	[ ] Untreated Medical Waste (Biohazardous) has been unlawfully disposed of - (SDCC 68.1203, HSC 25097)
	V4002	W	[ ] Medical Waste (Biohazardous) has not been properly treated by an approved method - (SDCC 68.1203, (C) & 1204, HSC 25090; 47; 57)
	V4003	W	[ ] Medical Waste (Biohazardous) Tracking Documents are not maintained on site and available for review - (SDCC 68.1203-1204, HSC 25045; 25055)
	V4004	W	[ ] Quality control documentation has not been maintained for on-site treatment of Medical Waste (Biohazardous) - (SDCC 68.1203-1204, HSC 25045; 55; 25090 (C)(5))
	V4005	W	[ ] Needles and syringes are unlawfully clipped prior to disposal - (SDCC 68.1205(E))
	V4006	W	[ ] Med. Waste (Biohazardous) is not stored in approv. sharps containers &/or red bags - (SDCC 68.1205, HSC 25046; 56)
2	V4008	W	[X] Containers storing Medical Waste (Biohazardous) are not properly labeled - (SDCC68.1205, HSC 25046; 56)
	V4009	W	[ ] Medical Waste (Biohazardous) containers are not adequately secured to prevent loss of contents - (SDCC 68.1205, HSC 25046; 56; 81; 82)
	V4010	W	[ ] Medical Waste (Biohazardous) has been maintained on site in excess of the permissible storage period - (SDCC 68.1203 (C), HSC 25081; 46; 56)
	V4011	W	[ ] Medical SOLID waste is not stored in a manner that prevents access by unauthorized persons prior to disposal - (SDCC 68.1202)
	V4012	W	[ ] Personnel training in the handling and disposal of Medical Waste (Biohazardous) is not adequate or properly documented - (SDCC 68.1201 (H); 1206, HSC 25045; 42; 52)
3	V4013	W	[X] A Med. Waste Mgmt. Plan is not maint. and/or updated annually as required-(SDCC 68.1201 (H), 1206, HSC 25042; 52)
	V4014	W	[ ] Medical Waste (Biohazardous) storage area is not properly posted or secured - (HSC 25086; 46; 56)
	V4015	W	[ ] Transportation of Medical Waste (Biohazardous) in an unlawful or unauthorized manner - (HSC 25060; 25097)

Barbara Bells 1-10-97
Signature of Business Representative

Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DISTRIBUTION: WHITE-HMMD
DEH:HM-9104 (1/95) YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

Page 1 of 1 (8m 415)

EST. NO. H 53953
DATE 4-14-98
TIME START 1150 END 1200
BUS. CODE K10
SPECIALIST John Barr
CONTACT No contact
TITLE
PHONE

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Thin For Life
ADDRESS 7200 Parkway Dr
CITY/ZIP La Mesa, 91942

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

APR 22 1998 APR 23 1998

Office Use Only

Inactivate the Business p.d. 4/24/98

Suite is vacant

John Barr
4-14-98

Signature of Business Representative | Date Signed | Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DEH:HM-924 (Rev. 1/96) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health



Norma J. Rawlins, L.Ac.
Full Circle Acupuncture Clinic
7200 Parkway Drive, Suite 101
La Mesa, California 91942
619-469-2027 Fax 619-469-2047

September 10, 1998

To Whom It May Concern:

Re: Haz Mat Protocol for Full Circle Acupuncture Clinic, Needle Disposal

As per section 40191 of Public Health ordinance, item 'C', Steam Sterilization.

Pre-disposal sterilization of acupuncture needles shall be:

1) for a minimum of 30 minutes at 250 degrees Fahrenheit or greater.

2) each sharps container shall be sealed with heat sensitive autoclave tape.

3) each sharps container shall be labeled with our address and name.

4) each sharps container shall be recorded by date of sterilization and disposal as well as person responsible for sterilization prior to disposal.

5) once per month (as needed for disposal of sharps) the biological bacillus stearothermophilus (or other adequate indicator) shall be placed at the center of a load to confirm adequate sterilization.

6) once per year autoclave shall be inspected and calibrated.

7) records shall be retained for a minimum of 3 years.

8) procedures shall be monitored, performed and recorded by Norma J. Rawlins,L.Ac.

Thank you and if you have any questions, please call me at the above number.

Sincerely,

Norma J. Rawlins, L.Ac.

(Lot fund to Lawell)

HAZARDOUS MATERIALS QUESTIONNAIRE

Management Division

no SAM H543326 KIO

Business Name	Contact Person	Telephone
Full Circle Acupuncture Clinic + Healing Arts Center	Norma Rawlins	468-2027
Mailing Address	City / State / Zip	Plan File#
9200 Parkway Drive #101	La Mesa 91942	315-307
Site Address	City / State / Zip	Plan File#
Same		

PART II: FIRE DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: OCCUPANCY CLASSIFICATION
Indicate by circling the item, whether your business will use, process, or store any of the following hazardous materials. If any of the items are circled, applicant must contact the Fire Protection Agency with jurisdiction prior to plan submittal.

1. Explosive or Blasting Agents
2. Compressed Gases
3. Flammable or Combustible Liquids
4. Flammable Solids
5. Organic Peroxides
6. Oxidizers
7. Pyrophorics
8. Unstable Reactives
9. Water Reactives
10. Cryogenics
11. Highly Toxic or Toxic Materials
12. Radioactives
13. Corrosives
14. Other Health Hazards

PART II: COUNTY OF SAN DIEGO HEALTH DEPARTMENT - HAZARDOUS MATERIALS MANAGEMENT DIVISION: CONTINGENCY PLAN REVIEW:
If the answer to any of the questions is yes, applicant must contact the County of San Diego Hazardous Materials Management Division, 1255 Imperial Avenue, 3rd Floor, San Diego, CA 92188-5201, Telephone (619) 338-2222 prior to the issuance of a building permit.

FEES MAY BE REQUIRED

	Yes	No	
1.	☐	☒	Is your business listed on the reverse side of this form?
2.	☒	☐	Will your business dispose of Hazardous Substances or Medical Waste in any amount?
3.	☒	☐	Will your business store or handle Hazardous Substances in quantities equal to or greater than 55 gallons, 500 pounds, 200 cubic feet or carcinogens/reproductive toxins in any quantity?
4.	☐	☒	Will your business use an existing or install an underground storage tank?
5.	☐	☒	Will your business store or handle Acutely Hazardous Materials?

OFFICE USE ONLY
☐ RMPP Exempt
Date / Initials
☐ RMPP Required
Date / Initials
☐ RMPP Completed
Date / Initials

PART III: SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT
If the answer to any of the questions is yes, applicant must contact the Air Pollution Control District, 9150 Chesapeake Drive, San Diego, CA 92123, Telephone (619) 694-3307 prior to the issuance of a building permit.

	YES	NO	
1.	☐	☒	Will the intended occupant install or use any of the equipment listed on the Listing of Air Pollution Control District Permit Categories, on the reverse side of this form?
2.	☐	☐	(ANSWER ONLY IF QUESTION 1 IS YES.) Will the subject facility be located within 1,000 feet of the outer boundary of a school (K through 12) as listed in the current Directory of School and Community College Districts, published by the San Diego County Office of Education and the current California Private School Directory, compiled in accordance with provisions of Education Code Section 33190?

Briefly describe nature of the intended business activity:
Acupuncture + Herbology Healing Clinic

Name of Owner or Authorized Agent:
Norma J. Rawlins

Signature of Owner or Authorized Agent: I declare under penalty of perjury that to the best of my knowledge and belief the responses made herein are true and correct: Norma J. Rawlins, L.Ac. Date:

Do not write below this line

FIRE DEPARTMENT OCCUPANCY CLASSIFICATION:

BY: Date:

EXEMPT FROM PERMIT REQUIREMENTS		APPROVED FOR BUILDING PERMIT BUT NOT OCCUPANCY		APPROVED FOR OCCUPANCY	
COUNTY HMMD	APCD	COUNTY HMMD	APCD	COUNTY HMMD	APCD
		COUNTY OF SAN DIEGO REVIEWED Joan Swanson SIGNATURE 7/13/98 DATE HMMD		COUNTY OF SAN DIEGO REVIEWED Joan Swanson SIGNATURE 9/11/98 DATE HMMD	

Environmental Health Services
DHS:HM-5171 (Rev)
S.F.C.'d R/E 'ION

County of San Diego
Department of Health Services

permit app, med. waste mgmt.
plan req. prior to final.
Possible permit for herb teas req.
thru Community food and housing- pls.
contact Corina Santana at 338-2379.
→ Phone Conversation w/ Alicia Lee 7/16/98
revealed no dispensing of teas on site. J.S.

5. If you answered yes to any of the above questions (1, 2, 3, or 4), your business or service does generate medical waste and a permit from the San Diego County Department of Environmental Health is required. Continue with Section B of the questionnaire.

SECTION B - CURRENT PERMIT INFORMATION

1. Is your business or facility currently permitted by this Department for hazardous or medical waste handling?

   Yes ☐ No ☒

   If yes, what is the permit number (ex: H00001) and the name of the permitted establishment?

   _____

2. Are you responsible for the management of hazardous or medical waste generated at this facility?

   Yes ☒ No ☐

   If no, please provide information listing the party responsible for medical waste management at your facility:

   Name NORMA J. RAWLINS

   Address 7200 PARKWAY DR #101, LA MESA, CA
   (City) (Zip)

   Phone # 619-469-2027

Please complete the attached medical Waste Summary.

NOTE: **If you do not generate medical waste, you are still required to return this form.**

A representative of the San Diego County Department of Environmental Health may contact you to verify the information provided on this questionnaire.

Please complete the following questionnaire:

SECTION A - MEDICAL WASTE GENERATION

1. Does your business or service generate, store, or handle any of the by-products or wastes listed in the box below?

   Yes ☒ No ☐

   Circle the letters of the categories found at your business.

A.	Laboratory Wastes - specimen or microbiologic cultures, stocks of infectious agents, live and attenuated vaccines, culture dishes, and devices used to transfer, inoculate, and mix cultures.
B.	Blood or Body Fluids - liquid blood elements or regulated body fluids (cerebrospinal, synovial, pleural, peritoneal, pericardial, and amniotic fluids), or articles contaminated with blood or body fluids.
(C)	Sharps - syringes, blades, slides or needles.
D.	Contaminated Animals - animal carcasses, body parts, or bedding materials suspected of being contaminated with a disease communicable to humans.
E.	Surgical Specimens - human or animal parts or tissues removed surgically or by autopsy.
F.	Miscellaneous - any waste generated from the diagnosis, treatment, or immunization of humans or animals, or research pertaining there to.

2. Do you dispose of any items in #1 by discharging them into the sewer system, including down sinks, floor drains, toilets, etc.?

   Yes ☐ No ☒

   If yes, which category(ies) of by-products or wastes? _____

3. Do you decontaminate any of the items listed in #1 by steam sterilization (autoclaving) before disposal to trash can or dumpster?

   Yes ☒ No ☐

   If yes, which category(ies) of by-products or wastes? ACUPUNCTURE NEEDLES

4. Do you dispose of any of the items listed in #1 through a registered medical waste hauler?

   Yes ☐ No ☒

   If yes, which category(ies) of by-products or wastes? _____

MEDICAL WASTE SUMMARY

Complete the following information regarding the handling of hazardous wastes at your business or service based upon your answers to SECTION A. Check one statement.

☒ This business or facility does generate medical waste that requires a permit from the San Diego County Department of Environmental Health.

☐ I have determined that this business or service does not generate medical waste requiring permits from the San Diego County Department of Environmental Health?

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature Norma J Rawlins Title Acupuncturist/owner

Date 7-29-98 Phone 619-469-2027

Type of Business Acupuncture clinic

Please complete the business information on the reverse of this page and return this questionnaire to the San Diego County Department of Environmental Health in the pre-addressed return envelope or mail using the following address.

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 129261
SAN DIEGO, CA 92112-9261

If a San Diego County Medical Waste Management Permit is required for your business or service, a representative of this Department will conduct an inspection of your business or facility.

8m 12/14

COUNTY OF SAN DIEGO

EST. NO. H 54326
DATE 12-10-98
TIME START 1010 END 1050
BUS. CODE ~~K70~~ K12
SPECIALIST John Barr
CONTACT Norma Rawlings
TITLE Owner
PHONE (619) 469 2047

COMPLIANCE INSPECTION REPORT

BUSINESS NAME Full Circle Acupuncture
ADDRESS 7200 Parkway Dr. # 101
CITY/ZIP La Mesa 91942

On the above date an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Processed 12-21-98 file

Office Use Only

Initial Inspection of a New Business

→ No Violations Noted this date.

DEC 15 1998

Remarks

- Business Autoclaves the sharps at 250°F for 30 minutes as required and puts Autoclave tape on wrapped sharps container, Also properly labels sharps container with generator name, address, phone #, Also does a monthly spore test to determine if Autoclave is working properly and also does an annual check and test of autoclave by an appropriate company (Checked on 9-9-98 by AKW Medical Equipment Specialists) Business also records Autoclaving with a log showing required information (Sample Log given this date.)
- Medical Waste Management Plan

Norma J Rawlings — 12-10-98 — owner / L.Ac.

Signature of Business Representative — Date Signed — Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 129261, San Diego, CA, 92112-9261

(619) 338-2222

DEH:HM-924 (Rev. 2/98) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER H 54326
DATE 12 / 10 / 98
PAGE 2 OF 2

Office Use Only

BUSINESS ADDRESS: 7200 Parkway Dr, La Mesa ZIP CODE: 91942

completed this date. Sharps are the only waste stream.
- Health permit application received this date. Pay health permit according to the bill when your bill arrives in order to complete health permit process.
- Medical solid waste stored in locked dumpster.

Norma J Rawlins 12-10-98 Owner/Acupuncturist
Signature of Business Representative Date Signed Title

Department of Environmental Health, Hazardous Materials Management Division, P.O. Box 85261, San Diego, CA, 92186-5261

(619) 338-2222

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

DEH:HM-9110 (3/96) NCR

inspected 12/10/98 jb

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
P. O. BOX 85261, SAN DIEGO, CA 92186-5261 PHONE: 619-338-2222

H

[redacted]

ESTAB NUMBER: N 54326 (2)
CENSUS TR/INC CODE: (21)
BUS CODE: (28)
UNITS: (31)
ANNUAL FEE: (35)
EXPIR DATE (MO-DAY): (41)
SIC-1: (45)
SIC-2: (49)
FIRE: (53)
WATER: (55)
SEWER: (57)
ZONING: (59)
MAP ON FILE: (61)
STATUS: (62)
ASSESSOR'S PARCEL NO.: (64)

[redacted]

ESTABLISHMENT OWNER NAME: NORMA J. Rawlins (74)
(AREA): 619 (104)
OWNER PHONE: ~~469 2027~~ 229 1074

ESTABLISHMENT ADDRESS:
STREET NUMBER: 9200 ~~PARK~~ (114)
DIRECTION: (125)
STREET NAME: PARKWAY DRIVE (127)
BLDG/SUITE: 101 (147)
CITY: LA MESA (151)
STATE: CA (166)
ZIP CODE: 91942 (168)
(AREA): 619 (177)
BUSINESS PHONE: 469 2027

SECOND NAME OR NAME OF MANAGEMENT COMPANY: — (187)

MAILING ADDRESS (IF DIFFERENT FROM ESTABLISHMENT ADDRESS):
STREET NUMBER: — (217)
DIRECTION: (228)
STREET NAME: (230)
BLDG/SUITE: (250)
CITY: — (264)
STATE: (269)
ZIP CODE: (271)

ESTABLISHMENT NAME: Full Circle Acupuncture Clinic (284)

GAS STATION: 2 (314) YES = 1 OTHER = 2

IF OTHER, LIST TYPE OF BUSINESS: Acupuncture

NUMBER OF EMPLOYEES: 1

REASON FOR APPLICATION: 1 (315)
1 - NEW
2 - RE-OPEN
3 - OWNER CHANGE

NAME OF PREVIOUS OWNER: (316)

DATE BUS ASSUMED: 10/94 (346)

CONTACT PERSON: Alicia Zee (352)

***** ALL APPLICANTS PLEASE COMPLETE APPROPRIATE SUPPLEMENTARY FORMS *****

I DECLARE UNDER PENALTY OF PERJURY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THE STATEMENTS MADE HEREIN ARE CORRECT AND TRUE. HEREBY CONSENT TO ALL NECESSARY INSPECTIONS MADE PURSUANT TO LAW AND INCIDENTAL TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION THIS BUSINESS.

SIGNATURE: Norma J Rawlins DATE: 07-20-98

N J Rawlins, 12-10-98

DEM:HM-927 (Rev. 1/95)

MEDICAL WASTE SUMMARY

Complete the following information regarding the handling of hazardous wastes at your business or service based upon your answers to SECTION A. Check one statement.

☒ This business or facility does generate medical waste that requires a permit from the San Diego County Department of Environmental Health.

☐ I have determined that this business or service does not generate medical waste requiring permits from the San Diego County Department of Environmental Health?

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature Norma J. Rawlens Title Owner, L.Ac.

Date 12-10-98 Phone 619-469-2047

Type of Business Acupuncture Clinic

Please complete the business information on the reverse of this page and return this questionnaire to the San Diego County Department of Environmental Health in the pre-addressed return envelope or mail using the following address.

DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 129261
SAN DIEGO, CA 92112-9261

If a San Diego County Medical Waste Management Permit is required for your business or service, a representative of this Department will conduct an inspection of your business or facility.

M. Fitzmaurice

OFFICE USE ONLY
H 54326

DATE 12/26/00

MEDICAL WASTE MANAGEMENT PLAN

Business Name: FULLCIRCLE ACUPUNCTURE Type of Business/Practice: MEDICA

Site Address: 7200 PARKWAY DR #101 Zip: 91942 Phone: 619-469-2027

Contact Person: NORMA J. RAWLINS Title: L.Ac. / OWNER

24 Hour Emergency Phone: (619) 306 3235 · CELL PHONE ← ONLY CHANGE

GENERATION AND STORAGE OF BIOHAZARDOUS WASTE:

Describe below the type and quantity of biohazardous waste generated and managed at this facility. **SEE SAMPLE PLAN AND ATTACHMENT FOR DEFINITION OF TERMS USED IN THIS PLAN**

MEDICAL WASTE TYPE	QUANTITY (lbs/month)	STORAGE (container type)	TREATMENT METHOD	ON-SITE	OFF-SITE	HAULER NAME*
BIOHAZARDOUS WASTE Sharp Waste Needles/syringes/slides	5 lbs	Sharps containers	autoclave	X		N/A
Non-sharp Waste Articles containing Fluid Blood (gauze, bandages, tubing, etc.)	Ø					
Solids (cultures, lab waste, etc.)	Ø					
Liquids (urine, etc.)	Ø					
Trace chemotherapy waste	Ø					
Contaminated animal carcasses	Ø					
Other	Ø					
MEDICAL SOLID WASTE Gloves, empty specimen containers, gauze with dry blood, treated biohazardous waste	N/A	secured dumpster	N/A	N/A	N/A	trash hauler

* If applicable, attach a copy of biohazardous waste hauler contract or Limited Quantity Hauler exemption.

Biohazardous WASTE STORAGE LOCATION: [Please check the appropriate box(es)].

Biohazardous Waste: [X] Inside establishment in secured area [ ] Outside in posted, secure area

Medical Solid Waste: [ ] Inside establishment [X] Outside in Locked/secured dumpster

PERSONNEL TRAINING:

All personnel handling biohazardous waste have been trained in all aspects of this management plan. Training includes the legal definition of biohazardous waste, separation and proper storage, transportation, treatment, and disposal of biohazardous waste. Documentation for completed employee training will be kept onsite.

CERTIFICATION STATEMENT:

I certify that the above management plan is complete and accurate, and that this business will adhere to all aspects of the plan. I further understand that any violation of this plan or any applicable law or regulation may result in legal action.

Norma J Rawlins — SIGNATURE OF RESPONSIBLE PERSON

OWNER/ACUPUNCTURIST — TITLE

NORMA J. RAWLINS — NAME OF RESPONSIBLE PERSON (please print or type)

12,26,00 — DATE

DISTRIBUTION: WHITE - RETURN TO HMD
YELLOW – BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2
EST. NO. H 54326
DATE 12-26-2000
TIME START 11:00 END 12:15
BUS. CODE K12
SPECIALIST Fitzmaurice
CONTACT Norma Rawlins
TITLE Owner
PHONE 619-469-2047

prob. mgn 1/16/01 File

BUSINESS NAME Full Circle Acupuncture
ADDRESS 7200 Parkway Dr. #101
CITY/ZIP La Mesa, 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only

Routine Inspection

JAN 10 2001

Violations & Corrective Actions:

1) Sharps containers are labeled with business name, address and Telephone# only after containers are autoclaved.
Corrective Action: Label sharps containers with generator information prior to placing containers in use.

2) Recording Thermometer for autoclave has not been calibrated within past year as required.
Corrective Action: Within 30 days calibrate the recording thermometer. Recalibrate the thermometer at least once a year thereafter.

Remarks:

- Be advised that medical solid waste, such as autoclaved sharps containers, must be stored in an area that is secured as to deny access to unauthorized persons. (ie. locked Trash bin).
- Autoclave standard operating procedure, monthly spore Test results, and autoclave log reviewed during inspection.
- Autoclave Tape is used on sharps containers that are autoclaved.
- Health Permit and Medical Waste Management Plan on site.

[signature] 12/26/00 Office Goldens

Signature of Business Representative | Date Signed | Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-924 (Rev. 2/99) NCR

DISTRIBUTION: WHITE- RETURN TO HMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

EST. NUMBER H 54326

DATE 12-26-2000

MEDICAL WASTE GENERATOR REQUIREMENTS

BUSINESS ADDRESS: 7200 Parkway Drive, La Mesa ZIP: 91942

VIOLATION REPORT: *The items checked below refer to specific section numbers of the California Health and Safety Code Sections 25100 and 117600 et. al.; the San Diego County Code of Regulatory Ordinances Sections 68.1201 et. al.; and the California Code of Regulations, Title 22 Sections 65600 et. al. and 66262.10 et. al.* **All violations must be corrected. Please call (619) 338-2222 or your Inspector if you have any questions.**

GENERAL REQUIREMENTS:

- [ ] An Environmental Health Permit as a medical waste generator has not been obtained. 68.1203, 68.1204, and 117705 ..... V4101 W___
- [ ] Unlawful disposal of untreated medical waste to an unauthorized point. 118340 ..... V4102 W___
- [ ] Improper treatment of medical waste using an unapproved method or procedure. 118215 ..... V4103 W___
- [ ] Medical SOLID WASTE is not stored in a locked trash receptacle or enclosure so as to deny access to unauthorized persons. 68.1202 ..... V4104 W___
- [ ] Improper clipping or cutting of sharps waste at the point of generation. 68.1205 ..... V4105 W___
- [ ] Medical waste was not separated from other waste at the point of origin. 118275 ..... V4106 W___
- [ ] Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305 ..... V4107 W___
- [ ] Storage time exceeded for frozen medical waste, e.g. greater than 90 days. 118280 ..... V4108 W___
- [ ] Generator did not clean-up a leak or spill of medical waste in an approved manner. 118300 ..... V4109 W___
- [ ] Generator has not secured the enclosure or designated accumulation area for medical waste containers so as to deny access to unauthorized persons. 118310 ..... V4110 W___
- [ ] Operator did not post an approved and legible biohazardous waste "warning sign" in English and Spanish at the waste storage area(s). 118310 ..... V4111 W___
- [ ] Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275 ..... V4112 W___
- 1 [P] Did not place a label with the generator's name, address, and phone number on the outside of the red bag and/or sharps container. 68.1201 and 68.1205 ..... V4113 W ✓
- [ ] Generator did not store sharps waste in approved and properly marked sharps container. 118275 ..... V4114 W___
- [ ] Transportation of medical waste without State Hauler Registration or without a limited-quantity hauling exemption from County HMMD. 118025 ..... V4115 W___
- [ ] Generator did not have standardized written operating procedures for a steam sterilizer available onsite. 118215 ..... V4116 W___
- 2 [P] Did not have recording thermometer checked for calibration annually. 118215 ..... V4117 W ✓
- [ ] Generator did not maintain records of thermometer calibration checks for at least 3 years. 118215 ..... V4118 W___
- [ ] Operator did not use heat-sensitive tape or other approved method for each load of medical waste treated onsite. 118215 . V4119 W___
- [ ] Need to use a biological indicator or other approved method at least once a month to confirm proper disinfection conditions. 118215 ..... V4120 W___
- [ ] Must tie-off red bags to prevent leakage or expulsion of contents during handling and storage. 118280 ..... V4121 W___
- [ ] Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280 ..... V4122 W___
- [ ] Must have waste container/bin labeled on the lid and side so as to be clearly visible. 118280 ..... V4123 W___
- [ ] Did not tape closed or tightly-lid a full sharps container ready for disposal, to preclude loss of contents. 118285 ..... V4124 W___

SMALL QUANTITY GENERATOR REQUIREMENTS:
(<200 pounds per month of waste)

- [ ] Medical Waste Management Plan has not been submitted to County HMMD (Annual Requirement) 68.1206 and 117935 .. V4025 W___
- [ ] Must maintain and show proof of "onsite" medical waste treatment records for 3 years. 118215 and 117943 ..... V4026 W___
- [ ] Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years. 117945 ..... V4027 W___
- [ ] Need to apply for and receive a limited-quantity hauling exemption for "self-hauled" medical waste (<20 pounds of waste per week). 118030 and 118025 ..... V4028 W___
- [ ] Did not renew a limited-quantity hauling exemption annually. 118030 ..... V4029 W___
- [ ] Storage time exceeded for full sharps container(s), e.g. greater than 7 days at room temperatures (for >20 pounds/month generator). 118285 ..... V4030 W___
- [ ] Storage time exceeded for red bag waste, e.g..more than 7 days at room temperature (>20 pounds/month generator). 118280 . V4031 W___
- [ ] Very small quantity generator (e.g.. <20 pounds per month) improperly storing waste for greater than 30 days onsite at room temperature. 118280 ..... V4032 W___
- [ ] Maximum holding time exceeded for non-putrescible medical waste, e.g. greater than 180 days. 68.1203 ..... V4033 W___

LARGE QUANTITY WASTE GENERATORS:
(≥ 200 pounds of waste in a month)

- [ ] Medical Waste Management Plan has not been submitted to County HMMD (Annual Requirement) . 117960 and 68.1206 . V4034 W___
- [ ] Must maintain and show proof of "onsite" medical waste treatment records for 3 years. 118215 and 117975 ..... V4035 W___
- [ ] Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 3 years. 117975 ..... V4036 W___
- [ ] Storage time exceeded for full sharps container(s), e.g. greater than 7 days at room temperature. 118285 ..... V4037 W___
- [ ] Storage time exceeded for red bag waste, e.g. more than 7 days at room temperature. 118280 ..... V4038 W___

PATHOLOGY WASTE AND CHEMOTHERAPY WASTE HANDLING:

- [ ] Did not segregate chemotherapy waste from other medical waste. 118275 ..... V4039 W___
- [ ] Generator did not label container holding chemotherapy waste with the words "chemotherapy waste" or other approved markings on the lid and sides. 118275 ..... V4040 W___
- [ ] Did not segregate pathology waste from other medical waste. 118275 ..... V4041 W___
- [ ] Generator did not label container holding pathology waste with the words "pathology waste" or other approved markings on the lid and side. 118275 ..... V4042 W___
- [ ] Unlawful disposal of pathology waste or chemotherapy waste to an unauthorized point. 118340 ..... V4043 W___

PHARMACEUTICAL WASTE HANDLING:

- [ ] Generator did not segregate pharmaceutical waste from other medical waste. 118275g ..... V4044 W___
- [ ] Generator did not label container holding pharmaceutical waste with the words "incineration only" or other approved markings on the lid and side. 118275g ..... V4045 W___
- [ ] Storage time exceeded for pharmaceutical waste, e.g. more than 90 days. (≥ 10 pounds per calendar year generated) 118280e . V4046 W___
- [ ] Very small quantity generator of pharmaceutical waste (e.g. <10 pounds waste /calendar year) improperly storing waste for longer than one year. 118280e ..... V4047 W___
- [ ] Unlawful disposal of pharmaceutical waste to an unauthorized point. 118340 and 118222 ..... V4048 W___

ON-SITE MEDICAL WASTE TREATMENT FACILITY REQUIREMENTS:

- [ ] Operator has not obtained an onsite medical waste treatment permit from the County. 117950, 118130, 118155, and CCR 65620 ..... V4049 W___
- [ ] Must maintain an updated and complete copy of the medical waste treatment permit onsite and available for review. CCR 65621(f), 65623, 118165, and 118180 ..... V4050 W___
- [ ] Did not comply with a condition of the medical waste treatment permit issued by the County. CCR 65623 ..... V4051 W___

PHOTOCHEMICAL and HAZARDOUS WASTE MGMT. AND DISPOSAL:

- [ ] Illegal disposal of photoprocessing/ hazardous waste to the sewer, trash, etc. 25189.5 ..... V4052 W___
- [ ] Generator has not maintained waste disposal records. e.g. manifests/milk-run receipts..onsite for 3 years. 66262.40 .... V4053 W___
- [ ] Generator has not obtained an EPA Identification Number from the State DTSC for hazardous waste generation. e.g. photoprocessing/hazardous waste. 66262.12 ..... V4054 W___
- [ ] Generator did not properly label the container holding hazardous waste. 66262.34 ..... V4055 W___
- [ ] Generator did not maintain the container holding hazardous waste tightly closed except when adding or removing waste. 66265.173 ..... V4056 W___
- [ ] Generator did not submit a notification to the County prior to treating photochemical waste onsite (e.g. >10 gallons/month: tiered permitting). 25201.5 ..... V4057 W___

ESTABLISHMENT REPRESENTATIVE — DATE SIGNED 12/26/00 — TITLE Office gofer

DEH:HM-9255 (5/97) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 12/08/02
PERMIT # 154326
TIME START 1310 END 1420
BUS. CODE K12
SPECIALIST NYAGA
INSPECTION CONTACT/TITLE
NORMA R. / OWNER
PHONE: (619) 469-2027
PASSED 02/14/03 OK FILE

BUSINESS NAME FULL CIRCLE ACUPUNCTURE CLINIC
ADDRESS 7200 PARKWAY
CITY/ZIP LA MESA 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Y	N/A		Y	N/A	
☐	☑	Unified Program Facility Permit current and available			Permit Expires on: 12/31/03.
☐	☑	Hazardous Materials Business Plan available	☐	☑	Contingency Plan available
☐	☐	Employee Training is adequate	☑	☐	Employee Training records available
☐	☑	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☐ Updated today	☑	☐	Waste containers kept labeled
☐	☑	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

OBSERVATIONS JAN 24 2003

- REVIEWED AUTOCLAVE LOG RECORD.
- MEDICAL WASTE MANAGEMENT PLAN OBSERVED ONSITE IS DATED 1998.

UPDATE AND MAINTAIN ONSITE MWMP. NOTE! REQUIRED ANNUALLY.

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative _____

Norma J Rancine
Signature of Business Representative

12-18-02
Date Signed

owner/acupuncturist
Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; sdcdeh.org

COUNTY OF SAN DIEGO

MEDICAL WASTE REQUIREMENTS COMPLIANCE INSPECTION REPORT

PERMIT # 154326
DATE 12/05/02
PAGE 2 OF 2

BUSINESS ADDRESS: 7200 PARKWAY DR #101 LM ZIP: 91942

VIOLATION REPORT: *The items checked below refer to specific section numbers of the California Health and Safety Code Sections 25100 and 117600 et. al.; the San Diego County Code of Regulatory Ordinances Sections 68.1201 et. al.; and the California Code of Regulations, Title 22 Sections 65600 et. al.*

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

STORAGE AND LABELING

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V4201	UPF Permit not obtained. 117705, 68.905
	☐	V4202	Medical Waste (MW) not separated from other waste at point of origin. 118275
	☐	V4203	Enclosure or designated accumulation area for MW containers not secured. 118310
	☐	V4204	MW storage area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
	☐	V4205	Medical SOLID WASTE not secured to deny access to unauthorized persons. 68.1211
	☐	V4206	Spill of MW not properly cleaned up. 118300
	☐	V4207	Sharps not stored in approved and properly marked sharps container. 118275
	☐	V4208	Full sharps container not taped closed or tightly-lidded to preclude loss of contents. 118285
	☐	V4209	Red bags/sharps container not labeled with generator's name, address, and phone number. 68.1205, 68.1206
	☐	V4210	MW not stored in approved and properly marked red bags. 118275
	☐	V4211	Red bags not tied off to prevent leakage/expulsion of contents during handling and storage. 118280
	☐	V4212	Red bags not containerized in rigid, leak resistant, and covered containers or bins. 118280
	☐	V4213	Waste container/bin not labeled on the lid and side so as to be clearly visible. 118280
	☐	V4214	Reusable containers/bins for MW storage not kept clean/sanitary. 118295, 118305
	☐	V4215	Frozen MW stored >90 days. 118280

TREATMENT AND DISPOSAL

	☐	V4251	MW treated by unapproved method/procedure. 118215
	☐	V4252	Standardized written operating procedures for steam sterilization not available. 118215
	☐	V4253	Recording thermometer not calibrated annually. 118215
	☐	V4254	No records of thermometer calibration checks for at least 3 years. 118215
	☐	V4255	Heat-sensitive tape/other approved method not used for each load treated onsite. 118215
	☐	V4256	Monthly biological indicator or other approved method not used to confirm proper disinfection. 118215
	☐	V4257	Onsite Steam Sterilization did not reach 121°C/250 °F for ≥ 30 minutes. 118215
	☐	V4258	Treatment records/logs of dates, time and temperature not available for ≥ 3 yrs. 118215
	☐	V4259	Disposal of untreated MW to an unauthorized point. 118340
	☐	V4260	Transportation of MW without State Hauler Registration or a Limited Quantity Hauler Exemption (LQHE) from HMD. 118025

SMALL QTY. GENERATOR REQUIREMENTS (<200 lbs/mo MW)

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V4301	Medical Waste Mgmt. Plan (MWMP) not submitted to HMD (initial/updates if onsite treatment). 117935
	☐	V4302	Did not maintain and show proof of "onsite" medical waste treatment records for ≥3 years. 118215, 117943
	☐	V4303	Did not retain on file disposal receipts/tracking documents for waste shipped offsite for ≥2 yrs. 117945
	☐	V4304	No LQHE for "self-hauled" MW (<20 pounds of waste/wk). 118030, 118025
	☐	V4305	LQHE not renewed annually as required. 118030
	☐	V4306	Full sharps container stored >7 days at room temperature (for generators of >20lbs/month). 118285
	☐	V4307	Red bag waste stored > 7 days at room temperature (for generators of >20lbs/month). 118280
	☐	V4308	Very small quantity generator (VSQG)(<20 lbs/mo.) storing MW for >30 days at room temperature. 118280
	☒	V4309	MWMP or equivalent information not onsite. 117945
	☐	V4310	Red bag waste stored >90 days at 0°C/32°F. 118280

LARGE QUANTITY GENERATOR REQUIREMENTS

(≥ 200 pounds of waste generated per month)

	☐	V4351	MWMP not submitted to HMD (initial/updates). 117950, 117960, 117970
	☐	V4352	Records of MW treatment not available for ≥3 years. 118215, 117975
	☐	V4353	Not disposal receipts/tracking documents for waste shipped offsite for at least 3 years. 117975
	☐	V4354	Full sharps container stored >7 days at room temp.118285
	☐	V4355	Red bag waste stored >7 days at room temp. 118280

PATHOLOGY, CHEMOTHERAPY, PHARMAC. & HAZ. WASTE

	☐	V4401	Chemo waste not segregated from other MW. 118275
	☐	V4402	Chemo waste container not properly labeled. 118275
	☐	V4403	Illegal disposal of chemo waste. 118340
	☐	V4411	Pathology waste not segregated from other MW. 118275
	☐	V4412	Pathology waste container not properly labeled. 118275
	☐	V4413	Illegal disposal of pathology waste. 118340
	☐	V4421	Pharmwaste not segregated from other MW. 118275g
	☐	V4422	Pharmwaste not properly labeled. 118275(g)
	☐	V4423	Pharmwaste stored >90 days. (≥ 10 lbs/yr) 118280(e)
	☐	V4431	VSQG of pharmwaste (<10 lb/yr) stored >1yr. 118280(e)
	☐	V4432	Illegal disposal of pharmaceutical waste. 118340, 118222
	☐	V4441	Illegal disposal of photo/hazwaste to sewer/trash. 25189.5

ONSITE MW TREATMENT FACILITY REQUIREMENTS

	☐	V4501	Onsite MW treatment permit not obtained. 117950, 118130, 118155, 65620
	☐	V4502	Current copy of the MW treatment permit not available. 65621(f), 65623, 118165, 118180
	☐	V4503	Condition(s) of the MW treatmt. permit violated. 65623

Norma Martin
SIGNATURE OF BUSINESS REPRESENTATIVE

12-18-02
DATE SIGNED

owner/management
TITLE OF BUSINESS REPRESENTATIVE

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 1/4/05
PERMIT # 154326
TIME START 1:10 END 2:05
BUS. CODE K12
SPECIALIST FitzMaurice
INSPECTION CONTACT/TITLE Norma Rawlins/Owner
PHONE: (619) 469-2027
Issued 2/15/05 to file

BUSINESS NAME Full Circle Acupuncture Clinic
ADDRESS 7200 Parkway Drive #101
CITY/ZIP La Mesa CA 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
X	☐	Unified Program Facility Permit current and available			Permit Expires on: 12/31/04
☐	X	Hazardous Materials Business Plan available	☐	X	Contingency Plan available
X	☐	Employee Training is adequate	☐	X	Employee Training records available
☐	X	Waste disposal records available for review	X	☐	Waste containers kept closed
X	☐	Emergency contacts current ☐ Updated today	X	☐	Waste containers kept labeled
☐	X	Chemical inventory current ☐ Updated today	X	☐	Waste containers in good condition

☐ All violations noted on this compliance inspection report were corrected during this inspection.

Routine Inspection

JAN 28 2005

- Biohazardous Waste is Treated on site,
  - Recording thermometer is calibrated annually, Last done on 2-04.
  - Monthly spore test conducted. Test results reviewed on site,
  - Standard Operating Procedure for autoclave reviewed.
- Containers storing biohazardous waste (sharps containers) observed to be properly labeled and managed.
- Medical Waste Management Plan observed to be current,
- Medical Solid Waste disposed of to a trash bin that is kept closed/covered and locked except when adding or removing waste.

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

Norma J Rawlins — Signature of Business Representative
1/4/05 — Date Signed
owner/Acupuncturist — Title of Business Representative

COUNTY OF SAN DIEGO

MEDICAL WASTE REQUIREMENTS COMPLIANCE INSPECTION REPORT

PERMIT # 154326
DATE 1/4/05
PAGE 2 OF 2

BUSINESS ADDRESS: 7200 Parkway Drive #101 ZIP: 91942

VIOLATION REPORT: *The items checked below refer to specific section numbers of the California Health and Safety Code Sections 25100 and 117600 et. al.; the San Diego County Code of Regulatory Ordinances Sections 68.1201 et. al.; and the California Code of Regulations, Title 22 Sections 65600 et. al.*

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	☐ V4205	Medical SOLID WASTE not secured to deny access to unauthorized persons. 68.1211
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	☐ V4207	Sharps not stored in approved and properly marked sharps container. 118275
	☐ V4208	Full sharps container not taped closed or tightly-lidded to preclude loss of contents. 118285
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SMALL QTY. GENERATOR REQUIREMENTS (<200 lbs/mo MW)

Viol #	VIOL	VIOLATION DESCRIPTION
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	☐ V4303	Did not retain on file disposal receipts/tracking documents for waste shipped offsite for 2 yrs. 117945
	☐ V4304	No LQHE for "self-hauled" MW (<20 pounds of waste/wk). 118030, 118025
	☐ V4305	LQHE not renewed annually as required. 118030
	☐ V4306	Full sharps container stored >7 days at room temperature (for generators of >20lbs/month). 118285
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	☐ V4310	Red bag waste stored >90 days at 0°C/32°F. 118280

LARGE QUANTITY GENERATOR REQUIREMENTS

(≥ 200 pounds of waste generated per month)

	☐ V4351	MWMP not submitted to HMD (initial/updates). 117950, 117960, 117970
	☐ V4352	Records of MW treatment not available for 3 years. 118215, 117975
	☐ V4353	No disposal receipts/tracking documents for waste shipped offsite for at least 3 years. 117975
	☐ V4354	Full sharps container stored >7 days at room temp.118285
	☐ V4355	Red bag waste stored >7 days at room temp. 118280

PATHOLOGY, CHEMOTHERAPY, PHARMAC. & HAZ. WASTE

	☐ V4401	Chemo waste not segregated from other MW. 118275
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ONSITE MW TREATMENT FACILITY REQUIREMENTS

	☐ V4501	Onsite MW treatment permit not obtained. 117950, 118130, 118155, 65620
	☐ V4502	Current copy of the MW treatment permit not available. 65621(f), 65623, 118165, 118180
	☐ V4503	Condition(s) of the MW treatmt. permit violated. 65623

Norma J Newton
SIGNATURE OF BUSINESS REPRESENTATIVE

1/4/05
DATE SIGNED

TITLE OF BUSINESS REPRESENTATIVE

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 1/25/06
PERMIT # 154326
TIME START 1:00 END 1:10
BUS. CODE K12
SPECIALIST FitzMaurice
INSPECTION CONTACT/TITLE
Norma Rawlins / Owner
PHONE: ( )

BUSINESS NAME Full Circle Acupuncture Clinic
ADDRESS 7200 Parkway Dr. #101
CITY/ZIP La Mesa, 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6 5, 6.7, 6.95, Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC) The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☐	☐	Unified Program Facility Permit current and available			Permit Expires on: / /
☐	☐	Hazardous Materials Business Plan available	☐	☐	Contingency Plan available
☐	☐	Employee Training is adequate	☐	☐	Employee Training records available
☐	☐	Waste disposal records available for review	☐	☐	Waste containers kept closed
☐	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers kept labeled
☐	☐	Chemical inventory current ☐ Updated today	☐	☐	Waste containers in good condition

☐ **All violations noted on this compliance inspection report were corrected during this inspection.**

Status Verification

Change of business ownership. New owner issued UPFP# 206312.

Please inactivate UPFP#: 154326.

Kiva comment entered 1-30-06. MFitz

☐ **This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.**

Initials of Business Representative

Signature of Business Representative

Date Signed

Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2137 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH - CUPA
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

BUSINESS ACTIVITIES

File

I. FACILITY IDENTIFICATION

FACILITY ID # 3 7 0 0 0 H 5 4 8 3 7 1 — EPA ID # (Hazardous Waste Only) 2

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...	If Yes, please complete these pages of the UPCF....	
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☐ YES ☒ NO 4	HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		UST FACILITY (Formerly SWRCB Form A)
▪ Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST TANK (one page per tank) (Formerly Form B)
▪ Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
▪ Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion -one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☒ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
▪ Generate hazardous waste?	☐ YES ☒ NO 9	EPA ID NUMBER – provide at the top of this page
▪ Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
▪ Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
▪ Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
▪ Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
▪ Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

- MEDICAL WASTE
  - Generate < 200 lbs/month of Medical/Biohazardous Waste? ☒ YES ☐ NO
  - Generate ≥ 200 lbs/month of Medical/Biohazardous Waste? ☐ YES ☒ NO
  - Generate ≥ 200 lbs/month of Medical/Biohazardous Waste and treat any amount of medical waste? ☐ YES ☒ NO
- Handle Toxic gases with threshold limit concentration (TLV) ≤ 10 ppm in any quantity? ☐ YES ☒ NO

Business Activities

Submit the Business Activities page and the Business Owner/Operator Identification page (OES Form 2730), for all submissions. NOTE: The numbering of the instructions follows the data element numbers that are on this form. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary. Please number all pages of your submittal. This helps the San Diego County, Department of Environmental Health (DEH), Hazardous Materials Division (HMD) identify whether the submittal is complete and if any pages are separated.

1. FACILITY ID NUMBER - Enter your 5 digit Establishment Number (H#) on your Health Permit. If you do not have a health permit, leave this blank.
2. EPA ID NUMBER - Enter your facility's 12-character U.S. EPA ID #. If you do not have a number, contact the Department of Toxic Substances Control (DTSC) at (800) - 61-TOXIC or (800) 618-6942, to obtain one.
3. BUSINESS NAME - Enter the full legal name of the business. This is the same as the terms "Facility Name" or "DBA" - Doing Business As.
4. HAZARDOUS MATERIALS ONSITE - Check the appropriate box to indicate whether you have a hazardous material onsite in the quantities listed in section A of this form. If "Yes", then you must then complete the Business Owner/Operator Identification page (OES Form 2730) and the Hazardous Materials Inventory - Chemical Description page (OES Form 2731), as well as a complete Hazardous Materials Business Plan (see HMD form DEH:HM952).
5. OWN OR OPERATE UNDERGROUND STORAGE TANK (UST) - Check the appropriate box to indicate whether you own or operate USTs containing hazardous substances as defined in Health and Safety Code (HSC) Section 25316. If "YES," then you must complete one UST Facility page and UST Tank pages for each tank. You must also submit a monitoring program plan (See HMD handout DEH:HM9222).
6. UPGRADE/INSTALL UST - Check the appropriate box to indicate whether you intend to install or upgrade USTs containing hazardous substances as defined in HSC Section 25316. If "YES," then you must complete the UST Installation - Certificate of Compliance page in addition to UST Facility and Tank pages, plot plan and monitoring program plan and the DEH installation, upgrade permit applications. Contact the HMD at (800)253-9933.
7. UST CLOSURE - Check the appropriate box if you are closing an UST and complete the closure portion of the UST Tank pages for each tank. Submit a DEH closure application.
8. OWN OR OPERATE ABOVEGROUND PETROLEUM STORAGE TANK (AST) - Check the appropriate box to indicate whether there are ASTs onsite which exceed the regulatory thresholds. This program applies to all facilities storing petroleum in aboveground tanks. Petroleum means crude oil, or any fraction thereof, which is liquid at 60 degrees Fahrenheit temperature and 14.7 pounds per square inch absolute pressure (HSC Section 25270.2 (g)).
9. HAZARDOUS WASTE GENERATOR - Check the appropriate box to indicate whether your facility generates hazardous waste. A generator is the person or business whose acts or processes produce a hazardous waste or who causes a hazardous substance or waste to become subject to State hazardous waste law. Hazardous waste means a waste that meets any of the criteria for the identification of a hazardous waste adopted by DTSC pursuant to HSC 25141. "Hazardous waste" includes, but is not limited to, federally regulated hazardous waste. Federal hazardous waste law is known as the Resource Conservation and Recovery Act (RCRA). Unless explicitly stated otherwise, the term "hazardous waste" also includes extremely hazardous waste and acutely hazardous waste.
10. RECYCLE - Check the appropriate box to indicate whether your facility recycles more than 100 kilograms per month of recyclable material under a claim that the material is excluded or exempt per HSC Section 25143.2. Check "YES" and complete the Recyclable Materials Report pages, if you either recycled onsite or recycled excluded recyclable materials which were generated offsite. Check "NO" if you only send recyclable materials to an offsite recycler. You do not need to report.
11. ONSITE HAZARDOUS WASTE TREATMENT - Check the appropriate box to indicate whether your facility engages in onsite treatment of hazardous waste. "Treatment" means any method, technique, or process which is designed to change the physical, chemical, or biological character or composition of any hazardous waste or any material contained therein, or removes or reduces its harmful properties or characteristics for any purpose. Please contact the HMD to determine if any exemptions apply to your facility. If your facility engages in onsite treatment of hazardous waste then complete the Onsite Hazardous Waste Treatment Notification - Facility page and one set of Onsite Hazardous Waste Treatment Notification - Unit pages with waste and treatment process information for each unit.
12. FINANCIAL ASSURANCE - Check the appropriate box to indicate whether your facility is subject to financial assurance requirements for closure of an onsite treatment unit. Unless they are exempt, Permit by Rule (PBR) and Conditionally Authorized (CA) operations are required to provide financial assurance for closure costs (per 22 CCR Section 67450.13 (b) and HSC Section 25245.4). If your facility is subject to financial assurance requirements or claiming an exemption, then complete the Certification of Financial Assurance page.
13. REMOTE WASTE CONSOLIDATION SITE - Check the appropriate box to indicate whether your facility consolidates hazardous waste generated at a remote site. Answer "YES" if you are a hazardous waste generator that collects hazardous waste initially at remote sites and subsequently transports the hazardous waste to a consolidation site you also operate. You must be eligible pursuant to the conditions in HSC Section 25110.10. If your facility consolidates hazardous waste generated at a remote site, then complete the Remote Waste Consolidation Site Annual Notification page.
14. HAZARDOUS WASTE TANK CLOSURE - Check the appropriate box to indicate whether the tank being closed would be classified as hazardous waste after its contents are removed. Classification could be based on:
    - Your knowledge of the tank and its contents
    - Testing of the tank
    - The mixture rule
    - The listed wastes in 40 CFR 261.31 or 40 CFR 261.32.
    - Inability to remove hazardous materials stored in the tank.

    If the tank being closed would be classified as hazardous waste after its contents are removed, then you must complete the Hazardous Waste Tank Closure Certification page.
15. LOCAL REQUIREMENTS - If you generate Medical Waste you are required to obtain a Health Permit and submit a Biomedical Waste Management Plan. In addition to this, if you generate ≥200 lbs on medical waste per month and treat any amount of medical waste on site you may be required to apply for a medical waste treatment permit with the HMD. TOXIC GASES: If you handle toxic gases with threshold limit concentration (TLV) ≤10 ppm in any quantity, you are required to obtain a Health Permit and submit an HMD Hazardous Materials Business Plan.

Inspected 7-17-2001 MH

H# 54837

DATE INPSECTED: 7-17-2001

UNIFIED PROGRAM FACILITY/HEALTH PERMIT APPLICATION

Yes

☒ This business or service is required to obtain a Unified Program Facility/Health Permit from the San Diego County Department of Environmental Health. I answered "yes" to one or more of the questions on the "Business Activities" form.

☐ I have determined that this business or service does not require a Unified Program Facility/Health Permit from the San Diego County Department of Environmental Health.

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature: _____ Title: Owner

Printed Name: Paul H Van Horne Date: 7/18/2001

Phone: 619 4635883 Type of Business: Dental Office

Please complete the business information on the following page and return this application to the San Diego County Department of Environmental Health at:

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261
SAN DIEGO CA 92112-9261

If a San Diego County Unified Program Facility/Health Permit is required for your business or service a representative of this Department will contact your business. Permit fees will be determined from the contact and a billing statement will be mailed.

NOTE: If you do not use hazardous materials, generate hazardous waste, or have underground storage tanks you are still required to return this form.

A representative of the San Diego County Department of Environmental Health may contact you to verify the information provided on this application.

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH - CUPA
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

BUSINESS OWNER/OPERATOR IDENTIFICATION

Page ___ of ___

I. IDENTIFICATION

FACILITY ID# 3 7 0 0 0 H 5 4 8 3 7	BEGINNING DATE 100: 7/1/2001	ENDING DATE 101:	
BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3: Paul H Van Horne DDS		BUSINESS PHONE 102: 619 463 5883	
BUSINESS SITE ADDRESS 103: 7200 Parkway Dr #115			
CITY 104: La Mesa	CA	ZIP CODE 105: 91942	
DUN & BRADSTREET 106:		SIC CODE (4 digit #) 107:	
COUNTY 108: San Diego			
BUSINESS OPERATOR NAME 109: Paul H Van Horne DDS		BUSINESS OPERATOR PHONE 110: 619 463 5883	

II. BUSINESS OWNER

OWNER NAME 111: Paul H Van Horne DDS	OWNER PHONE 112: 619 463 5883	
OWNER MAILING ADDRESS 113: 7200 Parkway Dr #115		
CITY 114: La Mesa	STATE 115: CA	ZIP CODE 116: 91942

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: Same as owner	CONTACT PHONE 118:	
CONTACT MAILING ADDRESS 119:		
CITY 120:	STATE 121:	ZIP CODE 122:

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123: Paul Van Horne	NAME 128: Darolyn Hoffman
TITLE 124: owner	TITLE 129: Dental Assistant
BUSINESS PHONE 125: 619 463 5883	BUSINESS PHONE 130: 619 463 5883
24-HOUR PHONE 126:	24-HOUR PHONE 131:
PAGER 127:	PAGER # 132:

ADDITIONAL LOCALLY COLLECTED INFORMATION:

ALWAYS SUBMIT A COPY OF THIS COMPLETED PAGE WITH SUBMITTAL OF ANY OTHER UNIFIED PROGRAM CONSOLIDATED FORM.

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134: 7/18/2001	NAME OF DOCUMENT PREPARER 135: Paul H Van Horne
NAME OF SIGNER (print) 136: Paul H Van Horne	TITLE OF SIGNER 137: owner	

Business Owner/Operator Identification

Please submit the Business Activities page, the Business Owner/Operator Identification page (OES Form 2730), and Hazardous Materials - Chemical Description pages (OES Form 2731) for all hazardous materials inventory submissions. For the inventory to be considered complete this page must be signed by the appropriate individual.
(Note: the numbering of the instructions follows the data element numbers that are on the UPCF pages. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary.) Please number all pages of your submittal. This helps your CUPA or AA identify whether the submittal is complete and if any pages are separated.

ALWAYS SUBMIT A COPY OF THIS COMPLETED PAGE WITH SUBMITTAL OF ANY OTHER UNIFIED PROGRAM CONSOLIDATED FORM.

1. FACILITY ID NUMBER - Enter your 5 digit Establishment Number (H#) on your Health Permit. If you do not have a health permit, leave this blank.
3. BUSINESS NAME - Enter the full legal name of the business. This is the same as the terms "Facility Name" or "DBA" - Doing Business As.
100. BEGINNING DATE - Enter the beginning year and date (YYYYMMDD) of the inventory report, recyclable materials report, or on-site tiered permitting report for PBR sites.
101. ENDING DATE - Enter the ending year and date (YYYYMMDD) of the reports identified in #100.
102. BUSINESS PHONE - Enter the phone number, area code first, and any extension.
103. BUSINESS SITE ADDRESS - Enter the street address where the facility is located. No post office box numbers are allowed. This information must provide a means to geographically locate the facility. If the mailing address is different, complete #113- #116.
104. CITY - Enter the city or unincorporated area in which business site is located.
105. ZIP CODE - Enter the zip code of business site. The extra 4 digit zip may also be added.
106. DUN & BRADSTREET - Enter the Dun & Bradstreet number for the facility. The Dun & Bradstreet number may be obtained by calling (610) 882-7748 or by Internet.
107. SIC CODE - Enter the primary Standard Industrial Classification Code number for primary business activity. NOTE: If code is more than 4 digits, report only the first four.
108. COUNTY - Enter the county in which the business site is located.
109. BUSINESS OPERATOR NAME - Enter the name of the business operator which is the name used for mailing correspondence.
110. BUSINESS OPERATOR PHONE - Enter business operator phone number, if different from business phone, area code first, and any extension.
111. OWNER NAME - Enter name of business owner, if different from business operator.
112. OWNER PHONE - Enter the business owner's phone number if different from business phone, area code first, and any extension.
113. OWNER MAILING ADDRESS - Enter the owner's mailing address where business related correspondence should be sent, if different from business site address.
114. OWNER CITY - Enter the name of the city for the owner's mailing address.
115. OWNER STATE - Enter the 2 character state abbreviation for the owner's mailing address.
116. OWNER ZIP CODE - Enter the zip code for the owner's address. The extra 4 digit zip may also be added.
117. ENVIRONMENTAL CONTACT NAME - Enter the name of the person, if different from the Business Owner or Operator, who will respond to enforcement activity.
118. CONTACT PHONE - Enter the phone number, if different from Owner or Operator, at which the environmental contact can be contacted.
119. CONTACT MAILING ADDRESS - Enter the mailing address where all environmental contact correspondence should be sent.
120. CITY - Enter the name of the city for the environmental contact's mailing address.
121. STATE - Enter the 2 character state abbreviation for the environmental contact's mailing address.
122. ZIP CODE - Enter the zip code for the environmental contact's mailing address. The extra 4 digit zip may also be added.
123. PRIMARY EMERGENCY CONTACT NAME - Enter the name of a representative that can be contacted in case of an emergency involving hazardous materials at the business site. The contact shall have FULL facility access, site familiarity, and authority to make decisions for the business regarding incident mitigation.
124. TITLE - Enter the title of the primary emergency contact.
125. BUSINESS PHONE - Enter the business number for the primary emergency contact, area code first, and any extensions.
126. 24-HOUR PHONE - Enter a 24-hour phone number for the primary emergency contact. The 24-hour phone number must be one which is answered 24 hours a day. If it is not the contact's home phone number, then the service answering the phone must be able to immediately contact the individual stated above.
127. PAGER NUMBER - Enter the pager number for the primary emergency contact, if available.
128. SECONDARY EMERGENCY CONTACT NAME - Enter the name of a secondary representative that can be contacted in the event that the primary emergency contact is not available. The contact shall have FULL facility access, site familiarity, and authority to make decisions for the business regarding incident mitigation.
129. TITLE - Enter the title of the secondary emergency contact.
130. BUSINESS PHONE - Enter the business telephone number for the secondary emergency contact, area code first, and any extension.
131. 24-HOUR PHONE - Enter a 24-hour phone number for the secondary emergency contact. The 24-hour phone number must be one that is answered 24 hours a day. If it is not the contact's home phone number, then the service answering the phone must be able to immediately contact the individual stated above.
132. PAGER NUMBER - Enter the pager number for the secondary emergency contact, if available.
133. ADDITIONAL LOCALLY COLLECTED INFORMATION - This space may be used for CUPAs or AAs to collect any additional information necessary to meet the requirements of their individual programs. Contact your local agency for guidance.
134. DATE - Enter the date that the document was signed. (YYYYMMDD)
135. NAME OF DOCUMENT PREPARER - Enter the full name of the person who prepared the inventory submittal information.
136. NAME OF SIGNER - Enter the full printed name of the person signing the page. The signer certifies to a familiarity with the information submitted and that based on the signer's inquiry of those individuals responsible for obtaining the information, all the information submitted is true, accurate and complete.

SIGNATURE OF OWNER/ OPERATOR OR DESIGNATED REPRESENTATIVE - The Business Owner/Operator, or officially designated representative of the Owner/Operator, shall sign in the space provided. This signature certifies that the signer is familiar with the information submitted and that based on the signer's inquiry of those individuals responsible for obtaining the information it is the Signer's belief that the submitted information is true, accurate and complete.

137. TITLE OF SIGNER - Enter the title of the person signing the page.

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2
EST. NO. H 54837
DATE 7-17-2001
TIME START 9:25 END 10:40
BUS. CODE K10
SPECIALIST FitzMaurice
CONTACT Dr VanHorne
TITLE Owner
PHONE 619-463-5883

BUSINESS NAME Paul H. Van Horne DDS
ADDRESS 7200 Parkway Drive, Ste. 115
CITY/ZIP La Mesa 91942

Processed 8/14/01 for File

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (H&S) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

Office Use Only	
R	B

New Business Inspection

- Within 30 days complete and submit to address below all forms in the Health Permit Application packet.
- Sharps containers observed to be properly managed and labeled.
- Biomedical waste has yet to be disposed of.
- Medical Waste Management Plan completed at time of inspection.
- Emergency contact information obtained.
- A 2.5% gluteraldehyde solution is used as a sterilant.
- Waste X-ray developing chemicals (fixer) observed to be properly managed and labeled.
- (1) Business provided with Waste Pharmaceuticals handout and Storage of Haz. Waste factsheet, 7-17-01 (FitZ)
- Medical Solid waste is stored in a locked trash bin.

Joan Hanners — Signature of Business Representative
7/17/01 — Date Signed
Front office — Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-924 (Rev. 2/99) NCR

DISTRIBUTION: WHITE- RETURN TO HMD
YELLOW-BUSINESS RETAINS

County of San Diego
Department of Environmental Health

COUNTY OF SAN DIEGO

EST. NUMBER H 54837

DATE 7-17-2001

PAGE 2 OF 2

MEDICAL WASTE GENERATOR REQUIREMENTS

BUSINESS ADDRESS: 7200 Parkway Drive, Ste. 115 ZIP: 91942

VIOLATION REPORT: *The items checked below refer to specific section numbers of the California Health and Safety Code Sections 25100 and 117600 et. al.; the San Diego County Code of Regulatory Ordinances Sections 68.1201 et. al.; and the California Code of Regulations, Title 22 Sections 65600 et. al. and 66262.10 et. al.* **All violations must be corrected. Please call (619) 338-2222 or your Inspector if you have any questions.**

GENERAL REQUIREMENTS:

- [ ] An Environmental Health Permit as a medical waste generator has not been obtained. 68.1203, 68.1204, and 117705 . . . . . V4101 W____
- [ ] Unlawful disposal of untreated medical waste to an unauthorized point. 118340 . . . . . V4102 W____
- [ ] Improper treatment of medical waste using an unapproved method or procedure. 118215 . . . . . V4103 W____
- [ ] Medical SOLID WASTE is not stored in a locked trash receptacle or enclosure so as to deny access to unauthorized persons. 68.1202 . . . . . V4104 W____
- [ ] Improper clipping or cutting of sharps waste at the point of generation. 68.1205 . . . . . V4105 W____
- [ ] Medical waste was not separated from other waste at the point of origin. 118275 . . . . . V4106 W____
- [ ] Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305 . . . . . V4107 W____
- [ ] Storage time exceeded for frozen medical waste, e.g. greater than 90 days. 118280 . . . . . V4108 W____
- [ ] Generator did not clean-up a leak or spill of medical waste in an approved manner. 118300 . . . . . V4109 W____
- [ ] Generator has not secured the enclosure or designated accumulation area for medical waste containers so as to deny access to unauthorized persons. 118310 . . . . . V4110 W____
- [ ] Operator did not post an approved and legible biohazardous waste "warning sign" in English and Spanish at the waste storage area(s). 118310 . . . . . V4111 W____
- [ ] Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275 . . . . . V4112 W____
- [ ] Did not place a label with the generator's name, address, and phone number on the outside of the red bag and/or sharps container. 68.1201 and 68.1205 . . . . . V4113 W____
- [ ] Generator did not store sharps waste in approved and properly marked sharps container. 118275 . . . . . V4114 W____
- [ ] Transportation of medical waste without State Hauler Registration or without a limited-quantity hauling exemption from County HMMD. 118025 . . . . . V4115 W____
- [ ] Generator did not have standardized written operating procedures for a steam sterilizer available onsite. 118215 . . . . . V4116 W____
- [ ] Did not have recording thermometer checked for calibration annually. 118215 . . . . . V4117 W____
- [ ] Generator did not maintain records of thermometer calibration checks for at least 3 years. 118215 . . . . . V4118 W____
- [ ] Operator did not use heat-sensitive tape or other approved method for each load of medical waste treated onsite. 118215 . V4119 W____
- [ ] Need to use a biological indicator or other approved method at least once a month to confirm proper disinfection conditions. 118215 . . . . . V4120 W____
- [ ] Must tie-off red bags to prevent leakage or expulsion of contents during handling and storage. 118280 . . . . . V4121 W____
- [ ] Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280 . . . . . V4122 W____
- [ ] Must have waste container/bin labeled on the lid and side so as to be clearly visible. 118280 . . . . . V4123 W____
- [ ] Did not tape closed or tightly-lid a full sharps container ready for disposal, to preclude loss of contents. 118285 . . . . . V4124 W____

SMALL QUANTITY GENERATOR REQUIREMENTS:
(< 200 pounds per month of waste)

- [ ] Medical Waste Management Plan has not been submitted to County HMMD (Annual Requirement) 68.1206 and 117935 . . V4025 W____
- [ ] Must maintain and show proof of "onsite" medical waste treatment records for 3 years. 118215 and 117943 . . . . . V4026 W____
- [ ] Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years. 117945 . . . . . V4027 W____
- [ ] Need to apply for and receive a limited-quantity hauling exemption for "self-hauled" medical waste (< 20 pounds of waste per week). 118030 and 118025 . . . . . V4028 W____
- [ ] Did not renew a limited-quantity hauling exemption annually. 118030 . . . . . V4029 W____
- [ ] Storage time exceeded for full sharps container(s), e.g. greater than 7 days at room temperatures (for > 20 pounds/month generator). 118285 . . . . . V4030 W____
- [ ] Storage time exceeded for red bag waste, e.g..more than 7 days at room temperature (> 20 pounds/month generator). 118280 . V4031 W____
- [ ] Very small quantity generator (e.g..< 20 pounds per month) improperly storing waste for greater than 30 days onsite at room temperature. 118280 . . . . . V4032 W____
- [ ] Maximum holding time exceeded for non-putrescible medical waste, e.g. greater than 180 days. 68.1203 . . . . . V4033 W____

LARGE QUANTITY WASTE GENERATORS:
(≥ 200 pounds of waste in a month)

- [ ] Medical Waste Management Plan has not been submitted to County HMMD (Annual Requirement) . 117960 and 68.1206 . V4034 W____
- [ ] Must maintain and show proof of "onsite" medical waste treatment records for 3 years. 118215 and 117975 . . . . . V4035 W____
- [ ] Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 3 years. 117975 . . . . . V4036 W____
- [ ] Storage time exceeded for full sharps container(s), e.g. greater than 7 days at room temperature. 118285 . . . . . V4037 W____
- [ ] Storage time exceeded for red bag waste, e.g. more than 7 days at room temperature. 118280 . . . . . V4038 W____

PATHOLOGY WASTE AND CHEMOTHERAPY WASTE HANDLING:

- [ ] Did not segregate chemotherapy waste from other medical waste. 118275 . . . . . V4039 W____
- [ ] Generator did not label container holding chemotherapy waste with the words "chemotherapy waste" or other approved markings on the lid and sides. 118275 . . . . . V4040 W____
- [ ] Did not segregate pathology waste from other medical waste. 118275 . . . . . V4041 W____
- [ ] Generator did not label container holding pathology waste with the words "pathology waste" or other approved markings on the lid and side. 118275 . . . . . V4042 W____
- [ ] Unlawful disposal of pathology waste or chemotherapy waste to an unauthorized point. 118340 . . . . . V4043 W____

PHARMACEUTICAL WASTE HANDLING:

- [ ] Generator did not segregate pharmaceutical waste from other medical waste. 118275g . . . . . V4044 W____
- [ ] Generator did not label container holding pharmaceutical waste with the words "incineration only" or other approved markings on the lid and side. 118275g . . . . . V4045 W____
- [ ] Storage time exceeded for pharmaceutical waste, e.g. more than 90 days. (≥ 10 pounds per calendar year generated) 118280e . V4046 W____
- [ ] Very small quantity generator of pharmaceutical waste (e.g. < 10 pounds waste /calendar year) improperly storing waste for longer than one year. 118280e . . . . . V4047 W____
- [ ] Unlawful disposal of pharmaceutical waste to an unauthorized point. 118340 and 118222 . . . . . V4048 W____

ON-SITE MEDICAL WASTE TREATMENT FACILITY REQUIREMENTS:

- [ ] Operator has not obtained an onsite medical waste treatment permit from the County. 117950, 118130, 118155, and CCR 65620 . . . . . V4049 W____
- [ ] Must maintain an updated and complete copy of the medical waste treatment permit onsite and available for review. CCR 65621(f), 65623, 118165, and 118180 . . . . . V4050 W____
- [ ] Did not comply with a condition of the medical waste treatment permit issued by the County. CCR 65623 . . . . . V4051 W____

PHOTOCHEMICAL and HAZARDOUS WASTE MGMT. AND DISPOSAL:

- [ ] Illegal disposal of photoprocessing/ hazardous waste to the sewer, trash, etc. 25189.5 . . . . . V4052 W____
- [ ] Generator has not maintained waste disposal records. e.g. manifests/milk-run receipts..onsite for 3 years. 66262.40 . . . . V4053 W____
- [ ] Generator has not obtained an EPA Identification Number from the State DTSC for hazardous waste generation. e.g. photoprocessing/hazardous waste. 66262.12 . . . . . V4054 W____
- [ ] Generator did not properly label the container holding hazardous waste. 66262.34 . . . . . V4055 W____
- [ ] Generator did not maintain the container holding hazardous waste tightly closed except when adding or removing waste. 66265.173 . . . . . V4056 W____
- [ ] Generator did not submit a notification to the County prior to treating photochemical waste onsite (e.g. > 10 gallons/month: tiered permitting). 25201.5 . . . . . V4057 W____

Jan Hanners — 7/17/01 — Front office

ESTABLISHMENT REPRESENTATIVE — DATE SIGNED — TITLE

DEH:HM-9255 (5/97) NCR

DISTRIBUTION: WHITE-RETURN TO HMMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 9/3/04
PERMIT # 154837
TIME START 12:00 END 1:30
BUS. CODE K10
SPECIALIST Fitzmaurice
INSPECTION CONTACT/TITLE Paul VanHorne / Owner
PHONE: (619) 463-5883
[illegible] 9/23/04 [illegible]

BUSINESS NAME Paul VanHorne, DDS
ADDRESS 7200 Parkway Drive, #115
CITY/ZIP La Mesa, 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available			Permit Expires on: 11/30/04
☐	☑	Hazardous Materials Business Plan available	☐	☑	Contingency Plan available
☐	☐	Employee Training is adequate	☐	☐	Employee Training records available
☐	☐	Waste disposal records available for review	☐	☐	Waste containers kept closed
☐	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers kept labeled
☐	☐	Chemical inventory current ☐ Updated today	☐	☐	Waste containers in good condition

☐ All violations noted on this compliance inspection report were corrected during this inspection.

SEP 17 2004

Routine Inspection/Notice to Comply

1. Waste Pharmaceuticals are not segregated from other medical waste, is not properly labeled, and is not properly disposed of.
Corrective Action: Segregate waste pharmaceuticals from other medical waste, and place in a separate container labeled with the business name, address and Telephone number, and the words Incinerate Only on the lid and sides. Properly dispose of to a facility for incineration.
Refer to Waste Pharmaceuticals handout provided.

2. Medical Solid Waste (surgical gloves & other materials which are not biohazardous but medical looking in nature) is not stored in a manner as to deny access to unauthorized persons.
Corrective Action: Store medical solid waste in a closed locked Trashbin That is only open when adding or removing waste.

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

[signature] 9/3/04 Owner

Signature of Business Representative | Date Signed | Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222; sdcdeh.org

HM-924 (09/03) NCR DISTRIBUTION: WHITE- RETURN TO HMD YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

SUPPLEMENTAL INSPECTION REPORT

EST. NUMBER # 154837

DATE: 9-3-04

PAGE: 2 OF 3

Office Use Only

BUSINESS ADDRESS: 7200 Parkway Dr. #115 ZIP CODE: 91942

- Medical Waste Management Plan completed during this inspection.
- 2.5% glutaraldehyde cold sterilizer used in lab.
- Waste amalgam & lead foil from x-ray system disposed of to metal reclamation facility by Patterson.
- Waste x-ray developing chemicals (fixer) disposed of by Patterson.

Signature of Business Representative | 9/3/04 Date Signed | Owner Title

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2222

DEH:HM-9110 (Rev. 2/99) NCR

DISTRIBUTION: WHITE-RETURN TO HMD
YELLOW-BUSINESS RETAINS

COUNTY OF SAN DIEGO

MEDICAL WASTE REQUIREMENTS COMPLIANCE INSPECTION REPORT

PERMIT # 154837
DATE 9/3/04
PAGE 3 OF 3

BUSINESS ADDRESS: Paul H. VanHoorne ZIP: 91942

VIOLATION REPORT: *The items checked below refer to specific section numbers of the California Health and Safety Code Sections 25100 and 117600 et. al.; the San Diego County Code of Regulatory Ordinances Sections 68.1201 et. al.; and the California Code of Regulations, Title 22 Sections 65600 et. al.*

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

STORAGE AND LABELING

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V4201	UPF Permit not obtained. 117705, 68.905
	☐	V4202	Medical Waste (**MW**) not separated from other waste at point of origin. 118275
	☐	V4203	Enclosure or designated accumulation area for **MW** containers not secured. 118310
	☐	V4204	**MW** storage area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
2	☑	V4205	Medical SOLID WASTE not secured to deny access to unauthorized persons. 68.1211
	☐	V4206	Spill of **MW** not properly cleaned up. 118300
	☐	V4207	Sharps not stored in approved and properly marked sharps container. 118275
	☐	V4208	Full sharps container not taped closed or tightly-lidded to preclude loss of contents. 118285
	☐	V4209	Red bags/sharps container not labeled with generator's name, address, and phone number. 68.1205, 68.1206
	☐	V4210	**MW** not stored in approved and properly marked red bags. 118275
	☐	V4211	Red bags not tied off to prevent leakage/expulsion of contents during handling and storage. 118280
	☐	V4212	Red bags not containerized in rigid, leak resistant, and covered containers or bins. 118280
	☐	V4213	Waste container/bin not labeled on the lid and side so as to be clearly visible. 118280
	☐	V4214	Reusable containers/bins for **MW** storage not kept clean/sanitary. 118295, 118305
	☐	V4215	Frozen (0C/32 F) **MW** stored >90 days. 118280
	☐	V4306	Full sharps container stored >7 days at room temp 118285
	☐	V4307	Red bag waste stored >7 days at room temperature (for generators of >20lbs/month). 118280
	☐	V4308	Red bag waste stored >30 days at room temperature (for generators of <20 lbs/month). 118280

TREATMENT AND DISPOSAL

	☐	V4251	**MW** treated by unapproved method/procedure. 118215
	☐	V4252	Standardized written operating procedures for steam sterilization not available. 118215
	☐	V4253	Recording thermometer not calibrated annually. 118215
	☐	V4254	No records of thermometer calibration checks onsite for at least the past 3 years. 118215
	☐	V4255	Heat-sensitive tape/other approved method not used for each load treated onsite. 118215
	☐	V4256	Monthly biological indicator or other approved method not used to confirm proper disinfection. 118215
	☐	V4257	Onsite Steam Sterilization did not reach 121°C/250 °F for 30 minutes. 118215
	☐	V4258	Treatment records/logs of dates, time and temperature not available for 3 yrs. 118215
	☐	V4259	Disposal of untreated **MW** to an unauthorized point. 118340

TRANSPORTATION REQUIREMENTS

Viol #		VIOL	VIOLATION DESCRIPTION
	☐	V4260	Transportation of **MW** without State Hauler Registration or a (LQHE) from HMD. 118025
	☐	V4304	No LQHE for "self-hauled" **MW** (<20 pounds of waste/wk). 118030, 118025
	☐	V4305	LQHE not renewed annually as required. 118030
	☐	V4311	Medical Waste tracking documents not in vehicle transporting MW. 118040
	☐	V4312	MW tracking documents/logs not maintained for 3years for LQHE. 118040

SMALL QTY. GENERATORS ONLY (<200 lbs/mo) MW)

	☐	V4301	Medical Waste Mgmt. Plan (MWMP) not submitted to HMD (initial/updates if onsite treatment). 117935
	☐	V4302	Did not maintain and show proof of "onsite" medical waste treatment records for 3 years. 118215, 117943
	☐	V4303	Did not retain on file disposal receipts/tracking documents for waste shipped offsite for 2 yrs. 117945
	☐	V4309	MWMP or equivalent information not onsite. 117945

REQUIREMENTS FOR LARGE QUANTITY GENERATORS ONLY

(≥ 200 pounds of waste generated per month)

	☐	V4351	**MWMP** not submitted to HMD (initial/updates). 117950, 117960, 117970
	☐	V4352	Records of **MW** treatment not available for 3 years. 118215, 117975
	☐	V4353	Did not retain on file disposal receipts/tracking documents for at least 3 yrs. for waste shipped offsite. 117975

PATHOLOGY, CHEMOTHERAPY, PHARMAC. & HAZ. WASTE

	☐	V4401	Chemo waste not segregated from other **MW**. 118275
	☐	V4402	Chemo waste container not properly labeled. 118275
	☐	V4403	Illegal disposal of chemo waste. 118340
	☐	V4411	Pathology waste not segregated from other **MW**. 118275
	☐	V4412	Pathology waste container not properly labeled. 118275
	☐	V4413	Illegal disposal of pathology waste. 118340
1	☑	V4421	Pharmwaste not segregated from other **MW**. 118275g
	☐	V4422	Pharmwaste not properly labeled. 118275(g)
	☐	V4423	Pharmwaste stored >90 days. (≥ 10 lbs/yr) 118280(e)
	☐	V4431	VSQG of pharmwaste (<10 lb/yr) stored >1yr. 118280(e)
	☐	V4432	Illegal disposal of pharmaceutical waste. 118340, 118222
	☐	V4441	Illegal disposal of photo/hazwaste to sewer/trash. 25189.5

ONSITE MW TREATMENT FACILITY REQUIREMENTS

	☐	V4501	Onsite **MW** treatment permit not obtained/renewed. 117950, 118130, 118155, 65620/65623.
	☐	V4502	Current copy of the **MW** treatment permit not available. 65621(f), 65623, 118165, 118180
	☐	V4503	Condition(s) of the **MW** treatmt. permit violated. 65623

SIGNATURE OF BUSINESS REPRESENTATIVE

9/3/04
DATE SIGNED

Owner
TITLE OF BUSINESS REPRESENTATIVE

ENTERED NOV 13 2007

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 10/11/07
PERMIT # 154937
TIME START 11:15 END 12:25
BUS. CODE K10
SPECIALIST FITZMAURICE
INSPECTION CONTACT/TITLE
P. VanHorne / Owner
PHONE: (619) 463-5883

BUSINESS NAME Paul VanHorne
ADDRESS 7200 Parkway Dr. #115
CITY/ZIP La Mesa 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available			Permit Expires on: 11/30/07
☐	☑	Hazardous Materials Business Plan available	☐	☑	Contingency Plan available
☑	☐	Employee Training is adequate	☐	☑	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☐ Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

Routine Inspection

- Medical Waste Management Plan completed during inspection. Maintain a current copy on site.
- Medical waste (sharps) containers observed to be properly labeled and managed.
- Medical Solid Waste disposed of to a locked Trash-bin.
- A 2.5% gluteraldehyde solution is used as a cold sterilant.
- Documentation showing disposal of waste amalgam, lead foil, and waste X-ray developing chemicals reviewed.
- Disposal receipts for biohazardous waste reviewed.

RECEIVED OCT 16 2007

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

Andrea Alvarez — Signature of Business Representative
10/11/07 — Date Signed
Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2377 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

ENTERED MAY 08 2012

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 5 / 1 / 12
PERMIT# 154837 BUS. CODE K10
TIME START 10:00 END
SPECIALIST Mike Smith
INSPECTION CONTACT Andrea Clinard
TITLE Office Manager
PHONE (619) 463 5883

FACILITY NAME Paul H Vanhorne DDS
ADDRESS 7200 Parkway Dr. #115
CITY/ZIP La Mesa 91942 added after inspection 5/1/12 M.S.

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

Y*	N/A*	NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.	Y*	N/A*	
☑	☐	Unified Program Facility Permit current	☐	☑	Permit Expires on: 11 / 30 / 12
☐	☑	Hazardous Materials Business Plan available	☐	☑	Contingency Plan available ☐LQG ☐SQG
☑	☐	Employee training is adequate	☐	☑	Employee training records available
☑	☐	Waste disposal records available for review	☑	☐	Universal waste managed properly
☑	☐	Emergency contacts current ☑Updated today	☑	☐	Waste containers ☐closed ☑labeled
☑	☐	Chemical inventory/map current ☑Updated today	☑	☐	Waste containers in good condition

Consent to inspect granted by: ☑ Inspection Contact ☐ Other:

Routine Inspection

RECEIVED MAY 03 2012

Remarks:

No violations observed during inspection.

- Pharmaceutical waste is to be disposed of annually.

- If a designated waste storage area is going to be used to store sharps containers, it needs to be locked & have a biohazardous waste "Warning Sign" in English & Spanish which can be read from 25 ft.

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Facility Representative

PRINTED NAME OF FACILITY REPRESENTATIVE: Andrea R. Clinard
DATE SIGNED: 5 / 1 / 2012
SIGNATURE OF FACILITY REPRESENTATIVE: X Andrea R Clinard
TITLE OF FACILITY REPRESENTATIVE: Office Manager

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (858) 505-6880 http://www.sdcdeh.org

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

FACILITY NAME: **PAUL H VANHORNE DDS**
ADDRESS: **7200 PARKWAY DR Suite 115**
CITY/ZIP: **LA MESA** /**91942**

INSPECTION DATE: **02/09/2016**
RECORD ID #: **DEH2002-HUPFP-154837**
SPECIALIST: **Griffin, Donelle**
INSPECTION CONTACT: **PAUL VANHORNE DDS**
TITLE: **Owner**
PHONE: **(619) 463-5883**
E-MAIL: **doctor@drvanhorne.com**

VIOL#	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach Any Supporting Documentation)	DUE DATE
#1 HMD4423	2/17/16	Medical Waste Collected for disposal, New container marked with date	03/10/2016

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE	DATE SIGNED
Paul Van Horne		2/17/16
TITLE OF FACILITY REPRESENTATIVE: owner		

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO THE ADDRESS LISTED BELOW

COUNTY OF SAN DIEGO USE ONLY

REVIEWED BY: Donelle Griffin DATE: 2/29/16

SPECIALIST'S COMMENTS:

☒ All violations noted on date listed above were corrected
☒ Based On Information Provided By The Facility
☐ Based On Field Verification By Specialist
☒ RTC entered by Specialist on: 02-29-16
☐ RTC entered by Office Assistant on: _____

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

HM-926(01/15)

PATTERSON DENTAL

13208 Estrella Avenue, #F Gardena, CA 90248
(800) 336-8254 or (310) 426-3100 Fax (310) 426-1433

Environmental Protection Agency Hazardous Waste Activity Identification No. CAL000275504
California Dept. of Toxic Substances Control Hazardous Waste Transporter Registration No. 4092
Dept. of Public Health Medical Waste Transfer Permit #TS-36

Emergency response 310-426-3100

TRACKING DOCUMENT

ENVIRONMENTAL CARE DIVISION

No. 127482

Account number: 817243
Doctor: DR. PAUL VAN HORNE *817129
Address: 7200 PARKWAY DRIVE
SUITE 115
City: LA MESA, CA 91942
Customer E.P.A. I.D. Number: _____

Telephone: 619-463-5883 Lunch 1-2 CLOSED
Date: 2/17/16 Time: ____:____ am pm
Drive: WALTER
Bag #: 17,

SHARPS ONLY *PP15
OFC HRS 9-6

Qty				weight
	4378493	**UN3291 Regulated Medical Waste, N.O.S., 6.2, PGII**	**BIO-WASTE** (Red Bags)	lb(s)
		UN3291 Regulated Medical Waste, N.O.S., 6.2, PGII	**SHARPS – scheduled**	lb(s)
	4378501	**UN3291 Regulated Medical Waste, N.O.S., 6.2, PGII**	**SHARPS – ON CALL**	lb(s)
1	4380291	**UN3291 Regulated Medical Waste, N.O.S., 6.2, PGII (RX) (High heat or Incineration Only)**	**EXPIRED Medications**	3 lb(s)
NON-CONTROLLED		*This is to certify that there are no Controlled Substances included in this pickup** X PM		
	4378519	Non-DOT Regulated Spent X-Ray Solution	**SPENT X-Ray Solution**	Gal(s)
	4380309	Non-DOT Regulated Spent Silver Recovery Unit	**SPENT Silver Recovery**	Gal(s)
	4378535	**UN1993 Waste Flammable Liquid, N.O.S.**(Ethanol) 3 PGII ERG (128)	**VAPO-STERILE**	Gal(s)
	4378543	**Non-RCRA Hazardous Waste Liquid** (Gluteraldehyde) ERG (171)	**GLUTERALDEHYDE**	Gal(s)
	4378550	**Universal Waste Dental Amalgam** for Recycling ☐ Vacuum ☐ Traps	**AMALGAM**	lb(s)
	4378568	Non-RCRA Lead Film Scrap for Recycling	**LEAD**	lb(s)

	4380325	Pharma-Safety container - 2 gallon	4380333	Pharma-Safety container – 12 gallon
	4378873	Tall Sharps container w/needle remover– (185) 1.7 qt.	4378881	Tall Sharps container – 1.7qt.
	4378840	Small Sharps Container (4 qt.)		
	4378857	Medium Sharps Container (8 qt.)		
	4378865	Large Sharps Container (14 qt.)		
	4378931	Empty Liquid Waste Container 2.5 gallon		
	4378923	Empty Liquid Waste Container 5 gallon ☐ FIXER ☐ VAPO ☐ GLUTERALDEHYDE		
	4380283	Amalgam Container (large) Non-contact	4378899	Amalgam Container (small) Contact

Special Notes or Instructions: ANDREA 02/10/16 BIO-WASTE

"This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to applicable regulations of the Department of Transportation."

Authorized Customer Name: (PLEASE PRINT) X Paul Van Horne

Authorized Customer Signature: X

Patterson Dental Environmental Care Division Signature:

Next Pickup Date

_____

Medical Waste Treatment Facility:
2775 E. 26th Street, Vernon, CA 90023
Hazardous Waste Liquid Treatment Facility:
13249 Louvre Street, Pacoima, CA 91331
425 Isis Avenue, Inglewood, CA 90301

TRACKING DOCUMENT
*RETAIN THIS COPY FOR 5 YEARS

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

FACILITY NAME: **PAUL H VANHORNE DDS**
ADDRESS: **7200 PARKWAY DR Suite 115**
CITY/ZIP: **LA MESA** /**91942**

INSPECTION DATE: **02/09/2016** PAGE **1** OF **3**
RECORD ID #: **DEH2002-HUPFP-154837**
TIME START: **3:45 PM** END: **4:35 PM**
SPECIALIST: **Griffin, Donelle**
INSPECTION CONTACT: **PAUL VANHORNE DDS**
TITLE: **Owner**
PHONE: **(619) 463-5883**
E-MAIL: **doctor@drvanhorne.com**

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Yes	N/A		Yes	N/A	
☒	☐	Unified Program Facility Permit Current	☐	☒	Contingency Plan Available ☐ LQG ☐ SQG
☐	☒	Hazardous Materials Business Plan Available	☐	☒	Employee Training Records Available
☒	☐	Employee Training is Adequate	☒	☐	Universal Waste Managed Properly
☒	☐	Waste Disposal Records Available for Review	☒	☐	Waste Containers ☒ Closed ☒ Labeled
☐	☒	Emergency Contacts Current ☐ Updated today	☒	☐	Waste Containers in Good Condition
☐	☒	Chemical Inventory/Map Current ☐ Updated today			Permit Expires On 11/30/2016

CONSENT TO CONDUCT INSPECTION GRANTED BY: PAUL VANHORNE DDS TITLE: Owner

INTRODUCTION:
Facility is a small quantity medical waste generator that generates ~12 lbs of sharps waste and 2 lbs of pharmaceutical waste per year.

VIOLATION # 1
HMD4423 Pharm waste stored >90 days when container full, or stored longer than one year (maximum allowable time).
HSC 118280(f)

Classification: Minor

Observations:
Waste container not marked with date started and there are no disposal records available for review in the past 3 years.

Corrective Action Due By:03/10/2016
Dispose of outdated/off-spec pharmaceuticals within the next 30 days and provide documentation of their disposal to donelle.griffin@sdcounty.ca.gov. Guidance on Dental waste was provided at the time of this inspection.

INSPECTION REMARKS:

CERS updated during inspection.

Helpful Websites:
• For guidance documents on hazardous materials-related topics,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_publications.html
• For information on the California Environmental Reporting System (CERS),
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_cers.html
• If you have questions on: permit fees, business plan requirements, or hazardous waste regulations,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat.html
• To find out the latest San Diego County News and receive updates, subscribe to our govdelivery emails:
https://public.govdelivery.com/accounts/CASAND/subscriber/new

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

If you have any questions regarding this inspection, please contact Griffin, Donelle, 858-260-1898, Donelle.Griffin@sdcounty.ca.gov

INSPECTION PHOTOS
None

All regulated businesses are required by law to submit their Unified Program-related information and business updates online through the California Environmental Reporting System (CERS). For additional information about CERS, go to: http://www.sandiegocounty.gov/deh/hazmat/hmd_cers.html

PRINTED NAME OF FACILITY REPRESENTATIVE **Andrea Clinard**	SIGNATURE		DATE SIGNED **02/09/2016**
TITLE OF FACILITY REPRESENTATIVE **Office Manager**			

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Medical Waste Generators

INSPECTION DATE: **02/09/2016** PAGE **3** OF **3**
RECORD ID #: **DEH2002-HUPFP-154837**

FACILITY NAME: *__PAUL H VANHORNE DDS__
ADDRESS: * __7200 PARKWAY DR Suite 115__ CITY/ZIP: *__LA MESA__ __91942__

Each violation checked below is for the section(s) of the California health and Safety Code (HSC), California Code of Regulation (CCR), or the San Diego County Code (SDCC) indicated in italics. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. UPF = Unified Program Facility; MW = Medical Waste; USPS = United States Postal Service; DOT = Department of Transportation

STORAGE AND LABELING

#	HMD	VIOLATION DESCRIPTION
☐	4201	UPF Permit not obtained. HSC 117705; SDCC 68.905
☐	4202	Medical waste (MW) not separated from other waste at the point of origin. HSC 118275
☐	4203	Enclosure or designated accumulation area for MW containers not secured. HSC 118307, 118310
☐	4204	MW designated accumulation area not posted with an approved, legible biohazardous waste "warning sign" in English & Spanish which can be read from 25 ft. HSC 118310
☐	4205	Medical SOLID WASTE not secured to deny access to unauthorized persons. SDCC 68.1211
☐	4206	Spill of MW not properly cleaned up. HSC 118300
☐	4207	Sharps not stored in approved and properly marked sharps container. HSC 118285(a) & (d)
☐	4208	Full sharps container not taped closed or tightly-lidded to preclude loss of contents. HSC 118285(b)
☐	4209	Primary containers accumulating MW not labeled with generator's name, address, and phone number. SDCC 68.1205
☐	4210	Medical waste not stored in approved and properly marked biohazard bags. HSC 118275(a)
☐	4211	Biohazard bags not tied off to prevent leakage/expulsion of contents during handling and storage. HSC 118280(a)
☐	4212	Biohazard bags not containerized in rigid, leak resistant, and covered containers or bins when placed for storage, handling, or transport. HSC 118280(b)
☐	4213	Waste container/bin not labeled with the words "Biohazardous Waste" or with the international biohazard symbol and the word "BIOHAZARD" on the lid and sides. HSC 118280(c)
☐	4214	Reusable containers/bins for MW storage not kept clean and sanitary. HSC 118295, 118305
☐	4215	Frozen (0°C/32°F) biohazardous waste stored >90 days. HSC 118280(e)(2)
☐	4306	Full sharps container stored >30 days at >0°C. HSC 118285(c)
☐	4307	Biohazard bag waste stored >7 days at >0°C (for generators of >20lbs/month). HSC 118280(e)(1)(A)
☐	4308	Biohazard bag waste stored >30 days at >0°C (for generators of <20lbs/month). HSC 118280(e)(1)(B)
☐	4219	MW interim storage area not marked with warning sign or biohazard symbol legible from 5 ft. HSC 118307, 118310
☐	4220	MW interim storage area not properly secured. HSC 118307

TREATMENT AND DISPOSAL

☐	4251	MW treated by unapproved method/procedure. HSC 118215
☐	4252	Standardized written operating procedures for steam sterilization not available. HSC 118215(a)(2)(A)
☐	4253	Recording thermometer not calibrated annually. HSC 118215(a)(2)(B)
☐	4254	No records of annual thermometer calibration checks onsite for at least the past 2 years. HSC 118215(a)(2)(B)
☐	4255	Heat-sensitive tape/other approved method not used for each load treated onsite. HSC 118215(a)(2)(C)
☐	4256	Monthly biological indicator or other approved method not used to confirm proper disinfection. HSC 118215(a)(2)(D)
☐	4257	Onsite steam sterilization did not reach 121°C/250°F for 30 minutes. HSC 118215(a)(2)(B)
☐	4258	Treatment records/logs of dates, time, and temperature not available for 2 years. HSC 118215(a)(2)(E)
☐	4259	Disposal of untreated MW to an unauthorized point. HSC 118340

TRANSPORTATION REQUIREMENTS

#	HMD	VIOLATION DESCRIPTION
☐	4260	Transportation of MW without State Hauler Registration, USPS or requirements of the DOT "Materials of Trade Exceptions." HSC 118025
☐	4311	Medical waste tracking documents/logs not in vehicle transporting medical waste. HSC 118040

SMALL QUANTITY GENERATORS ONLY
(<200 pounds of medical waste generated per month)

☐	4301	Medical Waste Management Plan (MWMP) not submitted to HMD (initial/updates), if onsite treatment. HSC 117935
☐	4302	Did not maintain and show proof of "onsite" medical waste treatment records for 3 years. HSC 117943
☐	4303	Did not retain on file disposal receipts, tracking/shipping documents for medical waste shipped offsite for 3 years. HSC 117945
☐	4309	MWMP or equivalent information not onsite (only for SQG doing onsite treatment or comply with pharmaceutical waste hauling exemption). HSC 117935, 118032

LARGE QUANTITY GENERATORS ONLY
(≥ 200 pounds of medical waste generated per month)

☐	4351	MWMP not submitted to HMD (initial/updates). HSC 117960, 117970
☐	4352	Records of medical waste treatment not available for 2 years. HSC 117975, 118215(a)(2)(E)
☐	4353	Did not make available disposal receipts, tracking/shipping documents for at least 2 years for medical waste shipped offsite. HSC 117975

CHEMOTHERAPY, PATHOLOGY, PHARMACEUTICAL HAZARDOUS & UNIVERSAL WASTES

☐	4401	Trace Chemo waste not segregated from other MW. HSC 118275(a)(4)
☐	4402	Trace Chemo waste container not labeled "Chemotherapy Waste" or "CHEMO" on the lid and the sides. HSC 118275(a)(4)
☐	4403	Illegal disposal of chemo waste. HSC 118340
☐	4411	Pathology waste not segregated from other MW. HSC 118275(a)(5)
☐	4412	Pathology waste container not labeled "Pathology Waste" or "PATH" on the lid and the sides. HSC 118275(a)(5)
☐	4413	Illegal disposal of pathology waste. HSC 118340
☐	4421	Pharm waste not segregated from other MW. HSC 118275(a)(6)
☐	4422	Pharm waste not labeled "Incineration Only or HIGH HEAT" on the lid and the sides. HSC 118275(a)(6)
1	☒ 4423	Pharm waste stored >90 days when container full, or stored longer than one year (maximum allowable time). HSC 118280(f)
☐	4432	Illegal disposal of pharm waste. HSC 118340, 118222(b)
☐	4441	Disposal of photo/hazwaste to an unauthorized point. HSC 25189.5
☐	3030046	Failed to keep records of offsite universal waste shipment(s) available for inspection for 3 years. HSC 25185(a)(4); 22 CCR 66273.39(c),(d)(2)
☐	3050003	Disposed of universal waste to an unauthorized point. HSC 25189.5(a); 25189(c),(d); 25189.2(c); 22 CCR 66273.31(a)

LQG MW ONSITE TREATMENT FACILITY
(≥ 200 pounds of medical waste generated per month)

☐	4501	Onsite MW treatment permit not obtained/renewed. HSC 117950, 118130, 65620, 65623
☐	4502	Current copy of the MW treatment permit not available. HSC 65621(f), 65623, 118165, 118180
☐	4503	Condition(s) of the MW treatment permit violated. HSC 65623

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

FACILITY NAME: **PAUL H VANHORNE DDS**
ADDRESS: **7200 PARKWAY DR Suite 115**
CITY/ZIP: **LA MESA** /**91942**

INSPECTION DATE: **02/09/2016**
RECORD ID #: **DEH2002-HUPFP-154837**
SPECIALIST: **Griffin, Donelle**
INSPECTION CONTACT: **PAUL VANHORNE DDS**
TITLE: **Owner**
PHONE: **(619) 463-5883**
E-MAIL: **doctor@drvanhorne.com**

VIOL#	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach Any Supporting Documentation)	DUE DATE
#**1** HMD4423			03/10/2016

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE		DATE SIGNED
TITLE OF FACILITY REPRESENTATIVE			

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO THE ADDRESS LISTED BELOW

COUNTY OF SAN DIEGO USE ONLY

REVIEWED BY: _____ DATE: _____

SPECIALIST'S COMMENTS:

☐ All violations noted on date listed above were corrected

☐ Based On Information Provided By The Facility ☐ RTC entered by Specialist on: _____

☐ Based On Field Verification By Specialist ☐ RTC entered by Office Assistant on: _____

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

OFFICIAL NOTICE

February 25, 2002

Chevron Products Co.
Attn: Jerry Bogaczyk
SAR Project Manager
P.O. Box 2292
Brea, CA 92822-2292

Dear Mr. Bogaczyk:

MONITORING WELL CONSTRUCTION DEFICIENCIES
Former Chevron Station #9-3521, 7651 Alvarado Rd., La Mesa, CA 91941
APN: 470-020-12 PERMIT #W92595/W93952 ESTABLISHMENT#H12687-002

The site assessment case for this establishment was closed in July 2001. As part of the conditions for closure, the two remaining wells at this site, MW-3 and MW-4, were to be destroyed within 90 days of closure.

On February 15, 2002, staff of the Department of Environmental Health (DEH), Site Assessment and Mitigation Program (SAM) inspected this site for compliance with the closure document. MW-3 is still in place and MW-4 could not be found, although no permit was ever issued to destroy that well.

Abandoned and poorly maintained wells are considered a nuisance as defined in San Diego County Code Section (SDCCS) 67.430 and 67.431. A well destruction permit must be submitted to DEH **by March 11th, 2002.**

Sincerely,

MCrystal

Marisue Crystal, Environmental Health Technician
Department of Environmental Health
Site Assessment and Mitigation Program

cc: Scott Weldon, Site Assessment and Mitigation
Rudy Reyes, SECOR International

DEPARTMENT OF ENVIRONMENTAL HEALTH
MONITORING WELL COMPLIANCE/DRILLING INSPECTION REPORT

APN 470-020-12
PERMIT# W92595 & W93952
EST.# H12687
INSPECTION DATE: 02/15/2002

RESPONSIBLE PARTY: CHEVRON PRODUCTS CO
ATTN: JERRY BOGACZYK
P O BOX 2292
BREA, CA 92882-2292

SITE NAME: FORMER CHEVRON STA #9-3521
SITE ADDRESS: 7651 ALVARADO RD
LA MESA, CA 91941

CONSULTANT: KYLE RHEUBOTTOM

DRILLING CO: A & R DRILLING

MONITORING WELL	VADOSE WELL	BORING	DESTRUCTION	AIR SPARGE WELL
2				

EXTERIOR	WELL LOCATION NUMBER	MW-3	MW-4								
	COVER CONDITION	G	?								
	PERIMETER SEAL CONDITION	P	?								
	STRUCTURE DRAINAGE	P	?								
	SECURED	½	?								
INTERIOR	TYPE OF SEAL	C	?								
	INNER VAULT INTEGRITY	G	?								
	CASING TYPE	4"PVC	?								
	LOCKED CAP	Y	?								
	SEALED CAP	Y	?								
	LIQUIDS PRESENT	Y	?								

G = Good P = Poor B = Bentonite Y = Yes M = Missing V = Visual Inspection Only
F = Fair C = Concrete S = Soil N = No U = Unable to Locate * = Other

REMARKS – **MW-3:** 1" OF WATER IN VAULT, 1 BOLT IN WELL COVER WILL NOT TIGHTEN; PERIMETER SEAL HAS BEEN PAVED OVER. **MW-4:** UNABLE TO LOCATE, POSSIBLE LOCATION FOUND FOR ILLEGAL DESTRUCTION, NOT CONFIRMED.

M Crystal

OFFICIAL NOTICE ISSUED
YES

MARISUE CRYSTAL (619) 338-2013
ENVIRONMENTAL HEALTH TECHNICIAN

Land and Water Quality Division, Site Assessment & Mitigation Program, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2223

cc: Scott Weldon, Site Assessment and Mitigation
Rudy Reyes, SECOR International

DEPARTMENT OF ENVIRONMENTAL HEALTH
MONITORING WELL COMPLIANCE/DRILLING INSPECTION REPORT

APN : 470-020-12-00
PERMIT# LMON100439
EST.# H12687-002
INSPECTION DATE: 04/29/2008

RESPONSIBLE PARTY:
CHEVRON ENVIRONMENTAL MANAGEMENT
ATTN: ERIC ROEHL
P. O. BOX 2292
BREA, CA 92822-2292

SITE NAME: FORMER CHEVRON #9-3521
SITE ADDRESS: 7651 ALVARADO RD
LA MESA, CA 91941

CONSULTANT: SECOR INTERNATIONAL

DRILLING CO: WEST HAZMAT /TEST AMERICA

MONITORING WELL	VADOSE WELL	BORING	DESTRUCTION	AIR SPARGE WELL
			2	

WELL LOCATION NUMBER	MW-3	MW-4			
DESTROYED	YES	YES			

REMARKS:

OFFICIAL NOTICE ISSUED
NO

MARISUE CRYSTAL (619) 338-2013
ENVIRONMENTAL HEALTH TECHNICIAN

Land and Water Quality Division, Site Assessment & Mitigation Program, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2223

PERMIT # W100439
A.P.N. 470-020-12
EST # H12687-002

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: FORMER CHEVRON STATION #9-3521

SITE ADDRESS: 7651 ALVARADO ROAD, LA MESA 91941

PERMIT FOR: **DESTROY 2 GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: MARCH 29, 2002

PERMIT EXPIRES ON: JULY 27, 2002

PERMIT CONDITIONS:

1. **All material within the original borehole, which includes the casing, filter pack and annular seal must be removed. The borehole must be completely filled with an approved sealing material as specified in Department of Water Resources Bulletin 74-90.**

2. All wash water must be contained and disposed of properly.

3. All water and soil that is placed in drums must be labeled and stored as specified in the SAM Manual in: Section 5, page 7, (5).

4. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

5. This office must be given 48 hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact Well Permit Desk at (619) 338-2339.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: _____ DATE: 3/29/02
Ernesto L. Profeta

Notified: _____

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

RECEIVED
02 MAR 22 AM 9 32
D. E. H.
MAILROOM

OFFICE USE ONLY
PERMIT#: W 100439
SAM CASE #/N H12687-00V
DATE RECEIVED: 3/22/02
FEE PAID: CK 579047
$250 —
CLOSED

A. RESPONSIBLE PARTY Chevron Products Company Phone (714) 671-3213
Mailing Address 145 S. State College Blvd. City Brea State CA Zip 92822
Contact Person Jerry Bogaczyk Phone (714) 671-3288 ext.

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H 12687-00V

C. CONSULTING FIRM SECOR International, Inc.
Mailing Address 5882 Bolsa Avenue City Huntington Beach State CA Zip 92649
Registered Professional K. Dean Mitchell Registration # 7161 (RG/RCE, CEG)
Contact Person Melissa Wendt Phone (714) 379-3366 ext.

D. DRILLING COMPANY West Hazmat C57# 554979 Phone (619) 686-5800
Mailing Address 3620 Kurtz Street City San Diego State CA Zip 92110

REG 03-27-02 15:02 EFREN 29813
CHK $250.00

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	
☐ Vadose	
☐ Boring	
☐ Other	

NUMBER OF WELLS TO BE DESTROYED # 2

MATERIALS TO BE USED

CASING
Type
Gauge
Diameter
Well Screen Size
Filter Pack
(Specify)

SEAL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other

Drilling Method
☒ Auger ☐ Air Rotor
☐ Mud Rotary
☐ Percussion ☐ Other

PROPOSED CONSTRUCTION
Estimated ground water depth _____ ft.
CEMENT SEAL 0 to 2
BENTONITE SEAL 2 to total depth (L19)
FILTER PACK _____ to _____
PERFORATION _____ to _____
PROPOSED DRILLING DATE 3/02

NOTE:
For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Division Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

Timothy J. Collette — 1/21/02
DRILLER'S SIGNATURE — DATE

Within 30 days of completion, I will furnish the Monitoring Well Plan Check desk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

[signature] — 1/22/02
RG/RCE/CEG SIGNATURE — DATE

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** 470-020-12

Site Name Former Chevron Service Station No. 9-3521

Site Address 7651 Alvarado Road City La Mesa Zip 91941

PROPERTY OWNER ~~Motel 6 Operating~~ Fredna L. Gustavson Trust Phone

Mailing Address ~~14651 Dallas Pkwy~~ ~~City~~ ~~Dallas~~ ~~State~~ ~~TX~~ ~~Zip~~ ~~75254~~
249 Scenic Avenue Piedmont CA 94611

NUMBER OF WELLS 2 (to be destroyed) **TYPE OF WELLS** Groundwater Monitoring

2. **ASSESSOR'S PARCEL NUMBER**

Site Name

Site Address City Zip

PROPERTY OWNER Phone

Mailing Address City State Zip

NUMBER OF WELLS **TYPE OF WELLS**

3. **ASSESSOR'S PARCEL NUMBER**

Site Name

Site Address City Zip

PROPERTY OWNER Phone

Mailing Address City State Zip

NUMBER OF WELLS **TYPE OF WELLS**

4. **ASSESSOR'S PARCEL NUMBER**

Site Name

Site Address City Zip

PROPERTY OWNER Phone

Mailing Address City State Zip

NUMBER OF WELLS **TYPE OF WELLS**

G. **FEES:**

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells Vadose, Vapor Extraction Wells)	**$150.00 each** **$130.00 for each additional well**	(_____ x $150.00) $_____ (_____ x $130.00) $_____
Permit for Borings Only (CPT's, Hydropunch, Geoprobes, Temp. Well Points, etc.)	**$150.00 for the first boring** **$40.00 for each additional boring**	$_____ (_____ x $ 40.00) $_____
Permit for Well Destructions Only	**$150.00 for the first destruction** **$100.00 for each additional destruction**	$ 150 (1 x $100.00) $ 100
Permit for any Combination of Well Installations, Borings & Destructions	**The first activity (of any type) will be $150.00. Additional activities will be as *follows:*** **$130.00 for each well** **$40.00 for each boring** **$100.00 for each well destruction**	$_____ (_____ x $130.00) $_____ (_____ x $ 40.00) $_____ (_____ x $100.00) $_____
	TOTAL COST OF PERMIT	$ 250.00

H. **APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS**

Submit one (1) original and two (2) copies of this application package, including plan drawings with the required fee to the Monitoring Well Permit Desk, Department of Environmental Health, Site Assessment and Mitigation Program (SAM). 1255 Imperial Avenue, San Diego, CA *92101. Or mail to P. O. Box 129261, San Diego, CA 92112-9261.* **Checks should be made payable to the County of San Diego.**

A permit will be issued by SAM upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify SAM at least two (2) working days in advance to schedule each required inspection.

USE ONE APPLICATION PACKAGE FOR A SINGLE SITE PROJECT. A SINGLE PERMIT WILL BE ISSUED FOR A SINGLE SITE PROJECT, EVEN IF WELLS/BORINGS ARE COMPLETED ON MORE THAN ONE PROPERTY. FOR MULTIPLE SITE PROJECT'S, USE SEPARATE APPLICATIONS.

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

- For well destruction, complete only #1 below.
- Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.
- Well driller must have an active C-57 License and current $2,500 bond with the County.
- Provide a plot plan giving location of property lines, existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.
- If applicable, provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F".
- If applicable, provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F".Provide encroachment/excavation permit and/or traffic control permit for work to be done in street or public right of way.

1. If wells are to be destroyed, provide a description of method of destruction. The wells will be overdrilled using a hollow stem auger drill rig and backfilled w/ bentonite grout using the tremie method.
2. What is the proposed purpose of the well/boring?
3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?
4. What field procedures will be utilized to determine if contamination exists?
5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?

7. How will samples be transported and preserved? _____

8. What sampling methods will be used? _____

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements). If yes, specify these variations.

10. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

11. What methods will be used to clean sampling equipment? _____

12. What cleaning method will be used to clean casing and screen prior to installation? _____

County of San Diego

GARY ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

PROPERTY OWNER RESPONSIBILITY AGREEMENT

Proposed Location of Well(s): Destruction
MW-3 @ 7651 Alvarado
MW-4 @ 7631 Alvarado

Property Address: 7631 and 7651 Alvarado
La Mesa, California

Dear Property Owner:

This letter is to inform you of the responsibilities for the proposed drilling activities on your property. The scope of work covered by this letter will expire one year from the date you sign this form. Any proposed drilling activities beyond this expiration date will require a new Property Owner Responsibility Agreement.

Please place a check mark next to the activity which applies to your property:

- ☐ Install one or more monitoring wells
- ☒ Destroy one or more monitoring wells
- ☐ Drill one or more soil borings

The person who causes to have a monitoring well installed or an existing well destroyed on your property is defined as the "Responsible Party." Section 67.424 of San Diego County Code states that: "Monitoring wells shall be maintained to meet construction or destruction standards. If a monitoring well does not meet construction or destruction standards the Responsible Party must repair, reconstruct or destroy the monitoring well so it meets the standards. The property owner, if different than the Responsible Party, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the Responsible Party does not complete the necessary actions."

A soil boring is used specifically to sample soil and, because there are construction and destruction standards, is included in the definition of a monitoring well even though no maintenance is required. These standards are outlined in the County of San Diego SA/M Manual and the State of California Well Standards Bulletin 74-90.

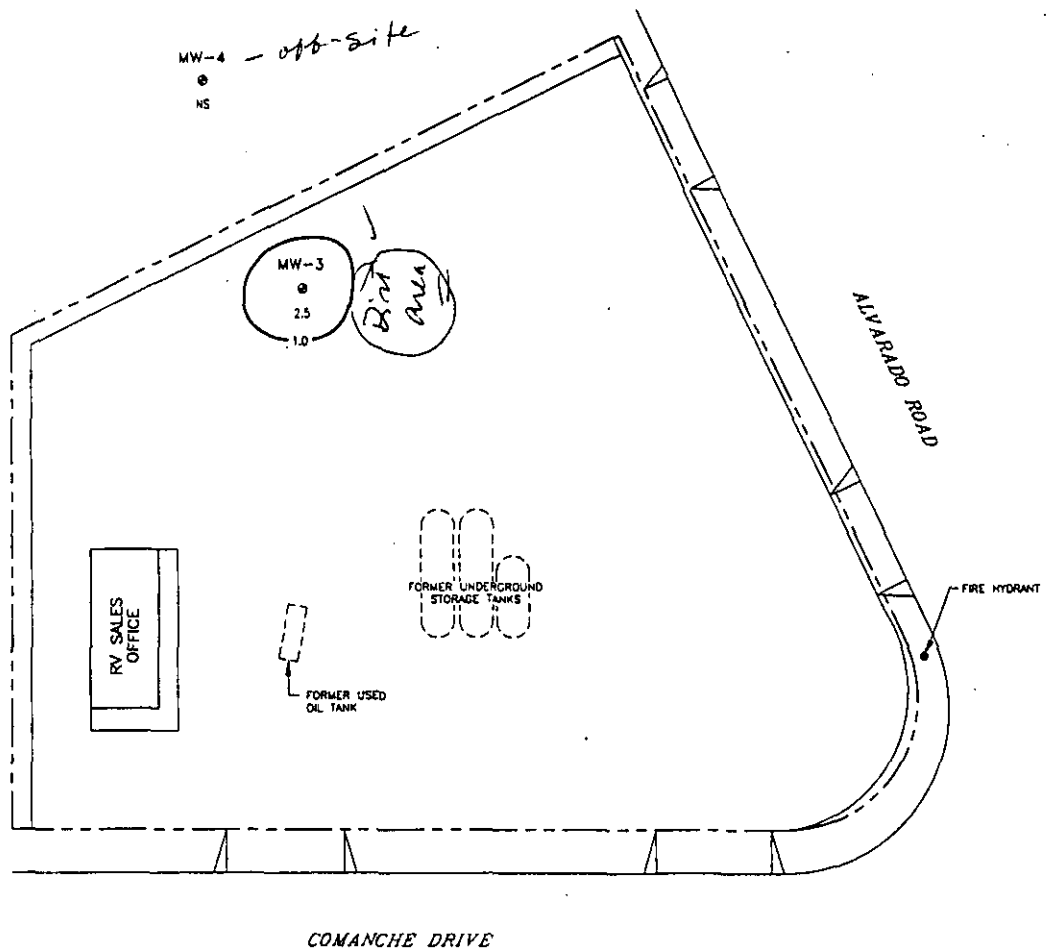
If you have any questions or would like additional information, please contact the Monitoring Well Program at (619) 338-2339.

I understand the maintenance and construction/destruction responsibilities for monitoring wells and borings under the San Diego County Code.

Property Owner Signature: Karen Elliassen, trustee Date: 3/12/02

Print Name: KAREN ELIASSEN Title: trustee

Mailing Address: 249 Scenic Avenue
Piedmont, California 94611



LEGEND		BENZENE IN GROUNDWATER	
⊗ MW-3 2.5	MONITORING WELL. BENZENE CONCENTRATIONS IN GROUNDWATER (µg/l). SAMPLED 09/18/98.	FORMER CHEVRON No. 9-3521 7651 ALVARADO ROAD LA MESA, CALIFORNIA	
NS	NOT SAMPLED	FIGURE No. 2	PROJECT No. CHEVRON R7.1
1.0	ESTIMATED CONTOURS OF EQUAL BENZENE CONCENTRATIONS IN GROUNDWATER (µg/l).	BBC ENVIRONMENTAL, INC.	

SECOR
International Incorporated

RECEIVED
2002 MAY 3 AM 10 39
D.E.H.
HAZARDOUS

May 2, 2002

Ms. Marisue Crystal
County of San Diego – Department of Environmental Health
Land and Water Quality Division
1255 Imperial Avenue, Third Floor
San Diego, California

Re: **Well Destruction Report**
Former Chevron Service Station No. 9-3521
7651 Alvarado Road
La Mesa, California
Establishment No. H12687-002
Permit No. W100439

Dear Ms. Crystal:

On April 25, 2002, SECOR International Incorporated (SECOR), on behalf of Chevron Products Company (Chevron), supervised the destruction two groundwater monitoring wells associated with the property referenced above (Figure 1 and Figure 2).

Field Activities

Prior to commencement of field activities, SECOR obtained a Monitoring Well Destruction Permit (Permit No. W100439) from the County of San Diego Department of Environmental Health Land and Water Quality Division (SAM). The well permit cover sheet is included for reference (Attachment 1).

Field activities were conducted in accordance with the 2002 SAM Manual guidelines and conditions of SAM permit No. W100439, issued on March 29, 2002. West Hazmat Drilling (West Hazmat) conducted well destruction activities using a CME 75 drill rig equipped with 10-inch diameter hollow-stem augers.

On April 25, 2002, the well casings of the two wells (MW-3 and MW-4), were over-drilled to approximately 2 feet below the total depth of the wells to remove the annular seal and filter pack materials used in the construction of the wells. Well MW-3, located in the along the northern property line, was originally installed to approximately 15 feet below ground surface (bgs) and well MW-4, located immediately northwest of well MW-3 on the adjacent property, was installed to 12 feet bgs. The original well completion logs are included for reference (Attachment 2). The well casings were removed and disposed of by West Hazmat. Each borehole was backfilled with approximately 100

gallons of bentonite grout. The bentonite grout mixture was comprised of approximately 1.5 50-pound bags of grout powder per 45 gallons of water. The augers were slowly removed and the bentonite grout was allowed to settle. The top 2 feet of each borehole was sealed with concrete. The exterior concrete seals around the former well boxes were removed using a jackhammer and a flush concrete patch was installed.

Non-Hazardous Waste Disposal

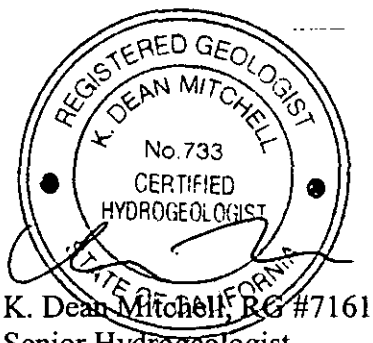
The non-hazardous soil cuttings generated from the well destruction activities were placed in labeled 55-gallon drums and temporarily stored onsite prior to disposal. TPS Technologies is scheduled to remove the drums from the site and recycle the soil.

If you have any questions regarding the foregoing, please contact Melissa R. Wendt at (714) 379-3366.

Respectfully Submitted,
SECOR International Incorporated



Melissa R. Wendt
Environmental Scientist
Project Manager



K. Dean Mitchell, RG #7161, CHg #733
Senior Hydrogeologist

Attachments:
Figure 1 – Site Location Map
Figure 2 – Site Plan Showing Locations of Destroyed Wells
Attachment 1 – Well Destruction Permit Cover Sheet
Attachment 2 – Original Well Completion Logs of Destroyed Wells

Cc: Mr. Jerry Bogaczyk, Chevron Products Company
Mr. Kent Houth, County of San Diego - SAM
Mr. Timothy Collett, West Hazmat Drilling

FIGURES







0 2,000

SCALE 1 : 24,000

APPROXIMATE SCALE IN FEET

REFERENCE: TOPO CD-ROM; LA MESA, SAN DIEGO, CALIFORNIA 1964 PHOTOREVISED 1961.

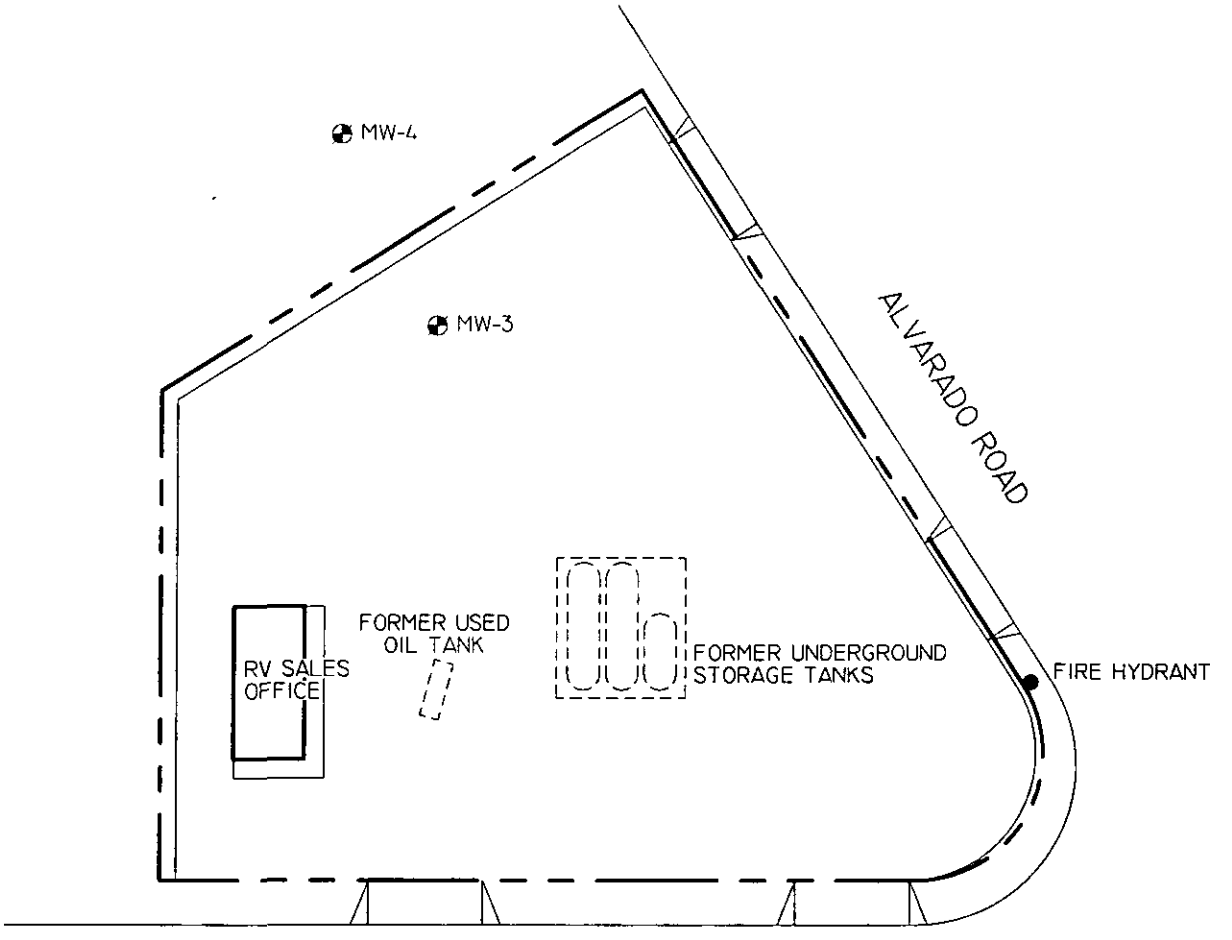
SECOR INTERNATIONAL INCORPORATED
5882 BOLSA AVENUE, SUITE 200
HUNTINGTON BEACH, CALIFORNIA 92649
PHONE: (714) 379-3366 FAX: (714) 379-3375

SITE LOCATION MAP

FORMER CHEVRON No. 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA

FIGURE: 1

DWG PATH:	DATE:	APPR:	JOB:	DWN BY:
F:\ACTIVE\CHEVRON NEW SERVER\CH.93521.SLM(02)	05/02/02	KC	14CH.0779300.0011	LR



LEGEND:

PROPERTY LINE

DESTROYED GROUNDWATER MONITORING WELL

0 30 60

APPROXIMATE SCALE IN FEET

SECOR INTERNATIONAL INCORPORATED
5882 BOLSA AVENUE, SUITE 200
HUNTINGTON BEACH, CALIFORNIA 92649
PHONE: (714) 379-3366 FAX: (714) 379-3375

SITE MAP SHOWING LOCATIONS OF DESTROYED WELLS

FORMER CHEVRON No. 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA

FIGURE: 2

DWG PATH:	DATE:	APPR:	JOB#:	DWN BY:
14\F:\ACTIVE\Chevron\Closure\San Diego\93521\C9-3521.dwg	05/02/02	KC	14CH.0779300.0011	CR

ATTACHMENT 1

WELL DESTRUCTION PERMIT COVER SHEET

RECEIVED
APR 09 2002
By

PERMIT # W100439
A.P.N. 470-020-12
EST # H12687-002

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: FORMER CHEVRON STATION #9-3521

SITE ADDRESS: 7651 ALVARADO ROAD, LA MESA 91941

PERMIT FOR: **DESTROY 2 GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: MARCH 29, 2002

PERMIT EXPIRES ON: JULY 27, 2002

PERMIT CONDITIONS:

1. **All material within the original borehole, which includes the casing, filter pack and annular seal must be removed. The borehole must be completely filled with an approved sealing material as specified in Department of Water Resources Bulletin 74-90.**

2. All wash water must be contained and disposed of properly.

3. All water and soil that is placed in drums must be labeled and stored as specified in the SAM Manual in: Section 5, page 7, (5).

4. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

5. This office must be given 48 hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact Well Permit Desk at (619) 338-2339.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: _____ DATE: 3/29/02
Ernesto L. Profeta

Notified: by VM 3/29/02 EP

ATTACHMENT 2

ORIGINAL WELL COMPLETION LOGS OF
DESTROYED WELLS

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well **MW3**

Project *Chevron / La Mesa* Owner *Chevron U.S.A. Products Company*
Location *7651 Alvarado Rd., La Mesa* Project No. *023402346* Date drilled *3/27/92*
Surface Elev. ____ Total Hole Depth *14.5 ft.* Diameter *0.8 ft.*
Top of Casing *98.27 ft.* Water Level Initial ____ Static *11.22 ft.*
Screen: Dia *4 in.* Length *10 ft.* Type/Size *.020 in.*
Casing: Dia *4 in.* Length *4 ft.* Type *Schedule 40 PVC*
Filter Pack Material *#3 lapis lustre* Rig/Core Type *Mobil B61 HDX*
Drilling Company *H.E.M.C. Environmental* Method *Hollow Stem Auger* Permit # *W92595*
Driller *Alan Luther* Log By *Jim Molesworth*
Checked By *Gary Pischke* License No. *CEG 1501*

See Site Map For Boring Location

COMMENTS:

Static water level is measured from top of casing.

Depth (ft.)	Well Completion	PID (ppm)	Sample ID	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
0						Dark gray clayey gravel with some silt, very moist, no hydrocarbon odor.
4		200	MW1-4.5		GC	Same as above. Grab sample collected.
8		400	MW1-8.5			Same as above. Grab sample collected.
10						Decrease in drilling rate, increase in cobbles. Stadium Conglomerate.
14		300	MW1-14			Light gray to brown, COBBLE CONGLOMERATE with clay and silt matrix
						End of boring, installed monitoring well.

Drilling Log

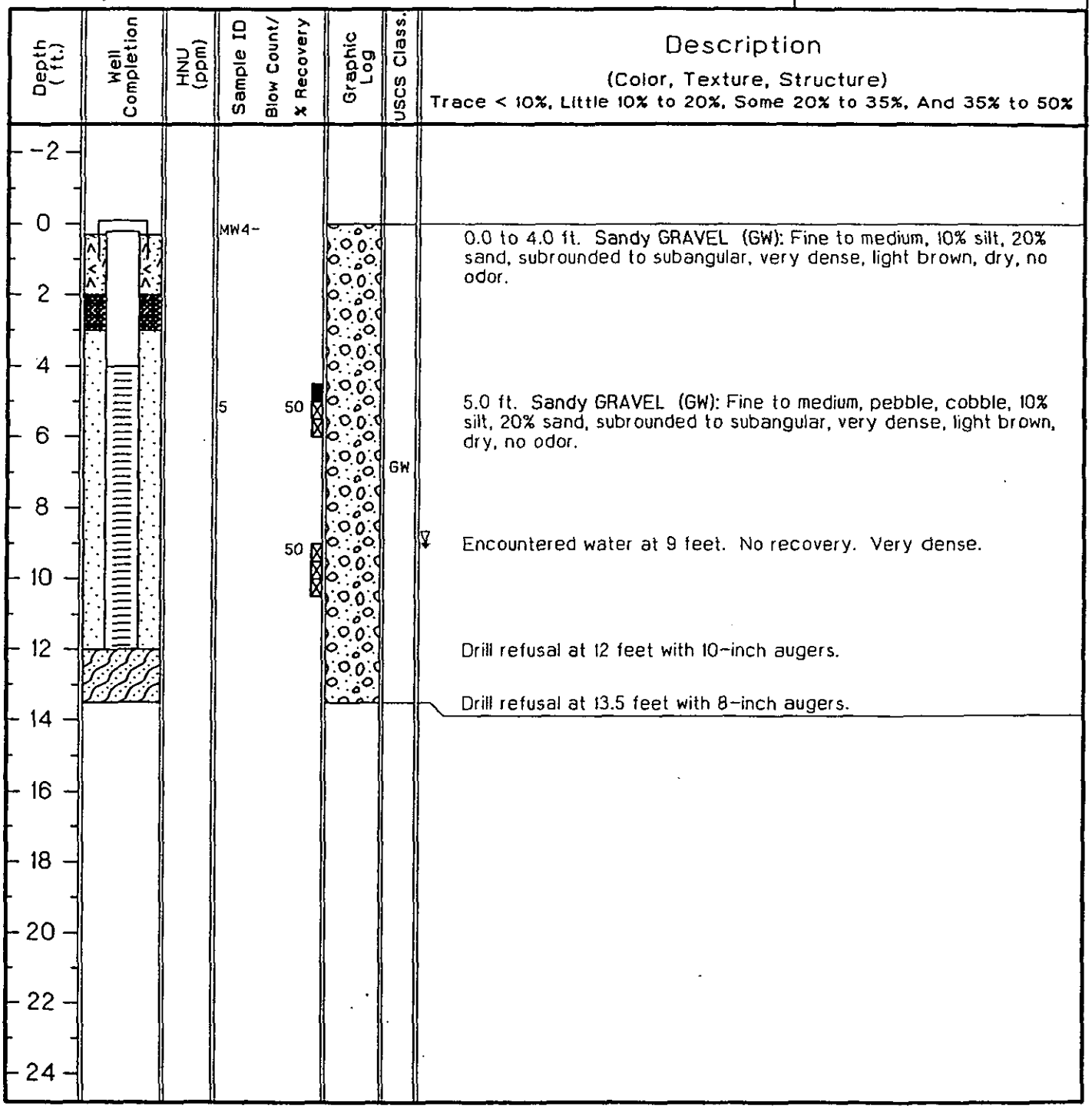
GROUNDWATER TECHNOLOGY

Monitoring Well **MW-4**

Project Chv/9-3521 Owner Chevron U.S.A. Products Company
Location 7651 Alvarado Rd., San Diego, CA Proj. No. 023404779
Surface Elev. ____ Total Hole Depth 13.5 ft. Diameter 10 in.
Top of Casing ____ Water Level Initial 9 ft. Static ____
Screen: Dia 4 in. Length 8 ft. Type/Size 0.020 in.
Casing: Dia 4 in. Length 4 ft. Type SCH 40 PVC
Fill Material #3 Sand Rig/Core Mobile B61 HDX
Drill Co. A & R Drilling Method Hollow Stem Auger
Driller Mark Smith Log By Jim Molesworth Date 12/28/93 Permit # W93952
Checked By Kyle Rheubottom License No. RG 5100

See Site Map For Boring Location

COMMENTS:



Description

(Color, Texture, Structure)
Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

0.0 to 4.0 ft. Sandy GRAVEL (GW): Fine to medium, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.

5.0 ft. Sandy GRAVEL (GW): Fine to medium, pebble, cobble, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.

Encountered water at 9 feet. No recovery. Very dense.

Drill refusal at 12 feet with 10-inch augers.

Drill refusal at 13.5 feet with 8-inch augers.

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
619-338-2222/FAX 619-338-2315/1-800-253-9933
www.sdcounty.ca.gov/deh/lwq

RICHARD HAAS
ASSISTANT DIRECTOR

SECOND PAST DUE NOTICE
OUTSTANDING WELL LOGS

JUNE 9, 2005

MASSOUD KARIMI
EARTH TECH
9675 BUSINESS PARK AV
SAN DIEGO, CA 92131

Dear Mr. Karimi:

WELL PERMIT #W101037	ESTAB. # 22376-001	A.P.N. 469-020-34

SID'S AUTO BODY, 7241-7255 ALVARADO CYN RD, LA MESA, CA 91941

The Monitoring Well Program (MWP) has not received the well/boring log report due sixty days after completion of the work covered under the permit referenced above. This letter constitutes a second notice reminding you that the well/boring log report had not yet been received.

Failure to submit a properly completed well/boring log report is a violation of the San Diego County Code, Section 67.447. The San Diego County Code also states that permits may be denied *if the applicant is delinquent with submitting well drilling logs to the MWP* in Section 67.441

In order to prevent denials or delays in receiving future monitoring well program permits, please contact the Monitoring Well Permit Desk by phone at (619) 338-2339 or email DEH.MonitoringWells@sdcounty.ca.gov within five business days of receipt of this letter to indicate when you will submit the well/boring log report.

A copy of this letter is also being sent to the driller of record and the party legally responsible for the permit referenced above. Thank you for your cooperation.

Sincerely,

Marisue Crystal, Environmental Health Technician
Monitoring Well Program
Site Assessment and Mitigation Program

Enclosure

cc: JIM HECT, MTDB
TRI-COUNTY DRILLING, INC.

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

PAST DUE NOTICE

January 12, 2004

PRESIDENT / CEO
EARTH TECH (S.D.)
9675 BUSINESS PARK AV
SAN DIEGO, CA 92131-1644

OUTSTANDING WELL PERMITS ISSUED - PRIOR TO JULY 1, 2003

The Department of Environmental Health (DEH), Monitoring Well Program has reviewed its records regarding well permits that have been issued to you prior to July 1, 2003. The permits listed on the attached table are permits that this office has no record of receiving a written report for work completed as required by San Diego County Code, Section 67.447.

A condition on all permits issued by this office is to have a complete and accurate well/boring report submitted within sixty days of completing the work covered by the permit. All of the permits on the attached list expired more that one hundred and eighty days ago. Therefore all of these permits are out of compliance with the conditions of the permit.

Please note that the Monitoring Well Program documents the receipt of all boring reports sent to us. When you review the attached list, you may find that your own records indicate that the report was already mailed to us. Since we do not have a record of receiving it, we ask that you submit a duplicate copy so that we can close the permit in our records. Please keep in mind that the boring/well report sent to the Monitoring Well Program is separate from any copy you may have sent in to the Site Assessment and Mitigation Program. Please submit the well/boring report to the Well Permit Desk at the address shown above by **February 15, 2004**.

We thank you in advance for your cooperation in completing the records for these permits. Please note that delinquent submittals of boring/well reports is listed in the San Diego County Code of Regulatory Ordinances (Title 6, Division 7, Chapter 4, Article 5, Section 67.441 D#5) as a condition to refuse issuances of future permits.

Please call me at (619) 338-2257 if you wish to discuss this letter.

Thank you for your cooperation.

Sincerely,

Carol Spangenberg, Environmental Specialist III
Monitoring Well Program
Site Assessment and Mitigation Program

Attachment

PERMIT # W101037
A.P.N. 469-020-34
EST # H22376-001

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: SID'S AUTO BODY

SITE ADDRESS: 7241-7255 ALVARADO CANYON ROAD, LA MESA CA 91941

PERMIT FOR: **INSTALL 1 GROUNDWATER MONITORING WELL**

PERMIT APPROVAL DATE: January 23, 2003

PERMIT EXPIRES ON: May 23, 2003

PERMIT CONDITIONS:

1. **The proposed well construction has been modified as follows: concrete surface seal from 0-3'; 03-9' cement and bentonite; 09-12' bentonite.**

2. The surface seal shall consist of concrete able to withstand the maximum anticipated load without cracking or deteriorating. The concrete should meet Class A specifications of a minimum 4000 pound compressive strength.

3. All wash water must be contained and disposed of properly.

4. All water and soil that is placed in drums must be labeled and stored as specified in the SAM Manual in: Section 5, page 7, (5).

5. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 48 hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact Well Permit Desk at (619) 338-2339.**

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: Carol Spangenberg DATE: January 23, 2003
Carol Spangenberg

Notified: 1/23/03 EP

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

1-1-03

RECEIVED
03 JAN 15 PM 1 30
D. E. H.
MAIL ROOM

OFFICE USE ONLY	
PERMIT #W	101037
SAM CASE / #H	22376-00 CLS
DATE RECEIVED:	1/15/03
FEE PAID:	CK 2065 $160 —

3015 PRIVATE VAP

A. RESPONSIBLE PARTY Metropolitan Transit Development Board Phone (619) 231-1466
Mailing Address 1255 Imperial Ave. Suite 1000 City San Diego State CA. Zip 92101-7492
Contact Person Jim Hecht Phone (619) 231-1466 ext.

B. SITE ASSESSMENT PROJECT IF APPLICABLE #H 22376

C. CONSULTING FIRM Earth Tech REC 01-21-03 14:59 EDMA CHK 62045 $160.00
Mailing Address 9675 Business Park Ave. City San Diego State CA. Zip 92131-1649
Registered Professional Massoud Karimi Registration # 7274 (RG) RCE, CEG)
Contact Person Greg Dodson/Massoud Karimi Phone (858) 536-5610 ext. 258 / or 266

D. DRILLING COMPANY Tri-County Drilling, Inc. C57# 547737 Phone (858) 271-0099
Mailing Address 9631 Candida Street City San Diego State CA Zip 92126-4537

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☒ Groundwater	1
☐ Vadose	
☐ Boring	
☐ Other	

NUMBER OF WELLS TO BE DESTROYED #
N/A

MATERIALS TO BE USED

CASING
Type PVC
Gauge 40
Diameter 4"
Well Screen Size 0.020
Filter Pack (Specify) #3 sand

SEAL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other

Drilling Method
☒ Auger ☐ Air Rotor
☐ Mud Rotary
☐ Percussion ☐ Other

PROPOSED CONSTRUCTION
Estimated ground water depth 20 ft.

CEMENT SEAL 0 to 4
BENTONITE SEAL 4 to 12
FILTER PACK 12 to 30
PERFORATION 15 to 30

PROPOSED DRILLING DATE 1-28-03

NOTE:
For wells with multiple completion attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE [signature] DATE 1-13-03

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

RG/RCE/CEG SIGNATURE [signature] DATE 1/13/03

F. SITE INFORMATION

1. **ASSESSOR'S PARCEL NUMBER** 469-020-3400
Site Name Sid's Auto Body
Site Address 7241-7255 Alvarado Canyon Road City San Diego Zip 91941

PROPERTY OWNER Johnson Family Trust (Jim Sandler) Phone (619) 615-6772
Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS 1 **TYPE OF WELLS** Groundwater

2. **ASSESSOR'S PARCEL NUMBER** _____
Site Name _____
Site Address _____ City _____ Zip _____

PROPERTY OWNER _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

3. **ASSESSOR'S PARCEL NUMBER** _____
Site Name _____
Site Address _____ City _____ Zip _____

PROPERTY OWNER _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

4. **ASSESSOR'S PARCEL NUMBER** _____
Site Name _____
Site Address _____ City _____ Zip _____

PROPERTY OWNER _____ Phone _____
Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

G. **FEES (in effect beginning Jan. 10, 2003, through June 30, 2003):**

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells Vadose, Vapor Extraction Wells)	**$160.00 for the first well** **$135.00 for each additional well**	1 x $160.00 $ 160.00 ____ x $135.00 $ ____
Permit for Borings Only (CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)	**$160.00 for the first boring** **$40.00 for each additional boring**	1 x $160.00 $ ____ ____ x $ 40.00 $ ____
Permit for Well Destructions Only	**$160.00 for the first destruction** **$105.00 for each additional destruction**	1 x $160.00 $ ____ ____ x $105.00 $ ____
Permit for any Combination of Well Installations, Borings & Destructions ***(except UST backfill permit)***	**The first activity (of any type) will be $160.00.** **Additional activities will be as follows:** **$135.00 for each well** **$ 40.00 for each boring** **$105.00 for each well destruction**	1 x $160.00 $ ____ ____ x $135.00 $ ____ ____ x $ 40.00 $ ____ ____ x $105.00 $ ____
Permit for Underground Storage Tank Monitoring System in Backfill ***(i.e. enhanced leak detection)***	**$300.00 (Flat Fee)**	**$300.00**
	TOTAL COST OF PERMIT	$ 160.00

H. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS

Submit one (1) original and two (2) copies of this application package, including plan drawings with the required fee to the Monitoring Well Permit Desk, Department of Environmental Health, Site Assessment and Mitigation Program (SAM). 1255 Imperial Avenue, San Diego, CA 92101. Or mail to P. O. Box 129261, San Diego, CA 92112-9261. **Checks should be made payable to the County of San Diego.**

A permit will be issued by SAM upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in the application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify SAM at least two (2) working days in advance to schedule each required inspection.

USE ONE APPLICATION PACKAGE FOR A SINGLE SITE PROJECT. A SINGLE PERMIT WILL BE ISSUED FOR A SINGLE SITE PROJECT, EVEN IF WELLS/BORINGS ARE COMPLETED ON MORE THAN ONE PROPERTY. PLEASE USE SEPARATE APPLICATIONS FOR MULTIPLE SITE PROJECTS.

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

- For well destruction, complete only #1 below.
- Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.
- Well driller must have an active C-57 License and current $7,500 bond with the County.
- Provide a plot plan giving location of property lines, existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.
- If applicable, provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F."
- If applicable, provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F." Provide encroachment/excavation permit and/or traffic control permit for work to be done in street or public right of way.

1. If wells are to be destroyed, provide a description of method of destruction. N/A

2. What is the proposed purpose of the well/boring? Soil and groundwater assessment.

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?

   All drilling and sampling equipment will be decontaminated prior to drilling the boring.

4. What field procedures will be utilized to determine if contamination exists?

   Soil and groundwater samples will be collected for chemical analysis. A PID and LEL will be used to screen soil cuttings during drilling.

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

   Soil samples will be collected at 5-foot intervals and submitted to a Lab for chemical analysis. Groundwater samples will be collected after well installation and development.

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?

TPH-G (EPA 8015M), TPH-D (EPA 8015M), VOCs to include MTBE, (EPA 8260B), SVOCs (EPA 8270C), and lead (EPA 6010).

7. How will samples be transported and preserved? Samples will be stored in a cooler with ice and transported directly to the lab. Appropriate chain-of-Custody protocol will be followed.

8. What sampling methods will be used? Soil samples will be collected using a California split spoon sampler. Groundwater samples will be collected using the low flow method.

9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements). If yes, specify these variations.

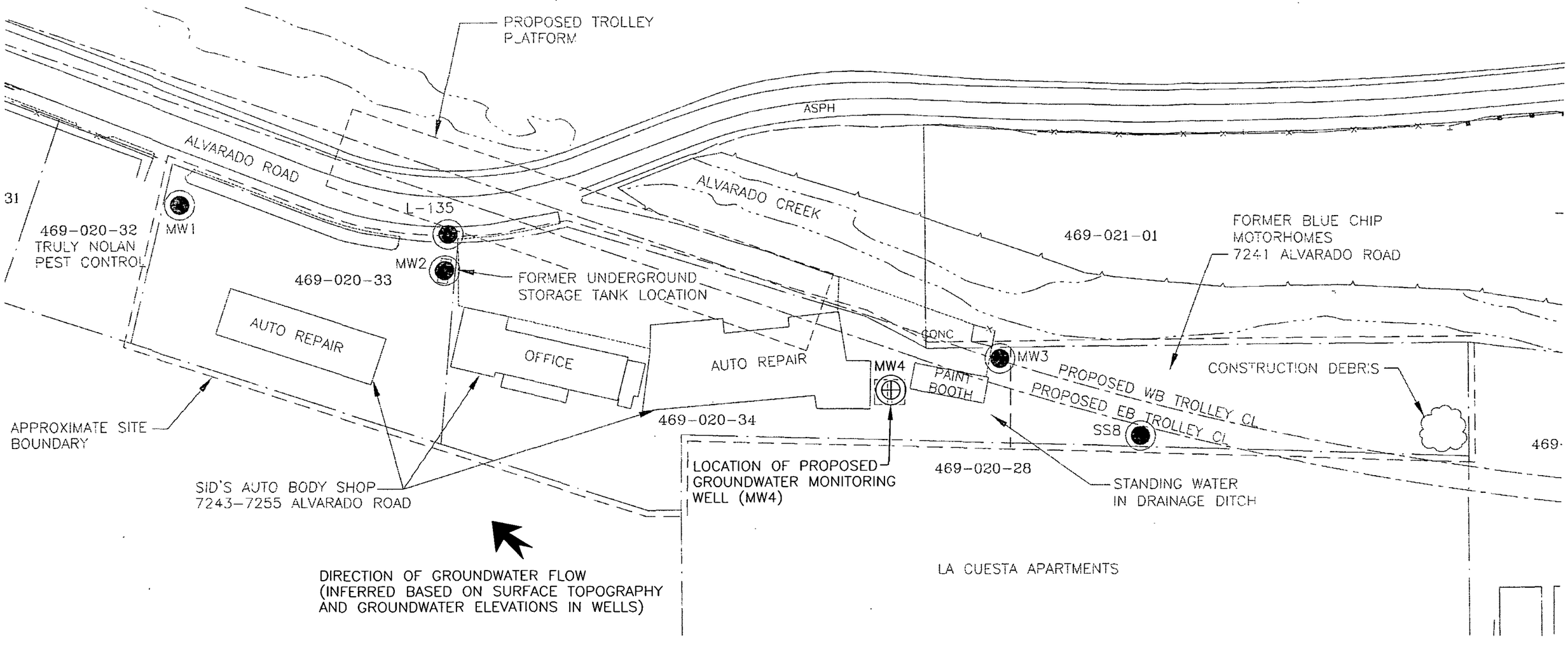
No

10. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

All drilling equipment will be decontaminated prior to drilling the borehole.

11. What methods will be used to clean sampling equipment? All down-hole drilling equipment will be steam cleaned. All sampling equipment will be washed in solution of Alconox and double rinsed with deionized water.

12. What cleaning method will be used to clean casing and screen prior to installation? Only new, Factory slotted screen and casing will be used to construct the well. Casing and screen will remain wrapped until just before installation.



LEGEND

- PROPOSED GROUNDWATER MONITORING WELL
- EXISTING GROUNDWATER MONITORING WELL

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)

1 inch = 60 ft.

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY

PROJECT: 41641

MTDB – SID'S AUTO BODY

PROPOSED GROUNDWATER MONITORING WELL LOCATION

7241–7255 ALVARADO ROAD
SAN DIEGO, CALIFORNIA

JANUARY 2003

FIGURE 1

W:\PROJECTS\41641_DFR\Deliv\Dwgs\phaz_2si_FIG1_01-12-03.dwg

Crystal, Marisue

From: Delson, Greg [Greg.Delson@earthtech.com]
Sent: Friday, June 24, 2005 4:46 PM
To: Crystal, Marisue; DEH, Monitoring Wells
Cc: Roff, Douglas
Subject: FW: Well Permit #W101037, work associated with permit was never executed by Earth Tech

Hi Marisue,

Below is some information we provided the well permit department on this well that we permitted but were never given access by the client to drill.

Let me know what we need to do in order to cancel this permit.

Thanks,

Greg

> -----Original Message-----
> From: Delson, Greg
> Sent: Tuesday, June 14, 2005 8:34 AM
> To: 'DEH.MonitoringWells@sdcounty.ca.gov'
> Subject: Well Permit #W101037, work associated with permit was never executed by Earth Tech
>
> Dear Ms. Crystal,
>
> This email is in response to your letter dated June 9, 2005 regarding well permit W101037, Estab. # 22376-001, A.P.N. 469-020-34. This permit is for work that was never completed by Earth Tech. Earth Tech was authorized to do the work but access to the site was never granted because of construction activities. By the time the construction activity could provide us access, Earth Tech lost its contract with MTDB. Because we lost our contract, we did not do the field work. No field activities associated with this permit were conducted by Earth Tech.
>
> I hope this clarifies the issues with this permit. If you have any questions, please feel free to give me a call at (858) 536-5610.
>
> Thanks,
>
> Greg Delson
>
>

This e-mail is intended to be delivered only to the named addressee(s) and may contain information that is confidential and proprietary. If this information is received by anyone other than the named addressee(s), the recipient(s) should immediately notify the sender by e-mail and promptly delete the transmitted material from your computer and server. In no event shall this material be read, used, stored, or retained by anyone other than the named addressee(s) without the express written consent of the sender or the named addressee(s).

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND & WATER QUALITY DIVISION

MONITORING WELL COMPLIANCE INSPECTION REPORT

APN: 469-021-03, -09
PERMIT# LMON101909
EST.# NONE
INSPECTION DATE: 11/02/2006

RESPONSIBLE PARTY: MTDB
ATTN: JIM HECHT
1255 IMPERIAL AV, SUITE 100
SAN DIEGO, CA 92101

SITE NAME: MTDB MISSION VLY DEV PROJECT
SITE ADDRESS: COMMANCHE DR NEAR BACK OF 7601 & 7621 ALVARADO RD
SAN DIEGO, CA 91941

CONSULTANT: NINYO & MOORE

DRILLER: BAJA EXPLORATION

NUMBER OF WELLS DESTROYEDED UNDER THIS PERMIT: 1 (BV-202)

NUMBER OF BORINGS DRILLED/PROPERLY DESTROYED UNDER THIS PERMIT: N/A

COMMENTS:

Although Monitoring Well Program staff were not present at the time of the well destruction, the 60-day well destruction report states the well was destroyed in compliance with the permit requirements. No deficiencies were observed at the time of this inspection.

The permit was issued for 3 well destructions, but wells MVE7 and BV208 could not be located. Location of destroyed well BV-202 was found in the street on Comanche Dr. near the back property line between 7601 & 7627 Alvarado Rd.

M Crystal

Marisue Crystal, Environmental Health Technician
Phone: (619) 338-2013

PERMIT #LMON101909
A.P.N. #469-021-03; 09
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: MTDB MISSION VALLEY DEVELOPMENT PROJECT

SITE ADDRESS: 0N STREET ADJACENT TO 7601 & 7621 ALVARADO RD., AND INTERSECTION @ FLETCHER & COMANCHE DR., LA MESA, CA 91941

PERMIT FOR: **DESTROY 3 GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: JANUARY 8, 2004

PERMIT EXPIRES ON: MAY 4, 2004

PERMIT CONDITIONS:

1. **All material within the original borehole, which includes the casing, filter pack and annular seal, must be removed. The borehole must be completely filled with an approved sealing material as specified in Department of Water Resources Bulletin 74-90.**

2. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

3. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

4. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

5. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 338-2339.

APPROVED BY: _____ DATE: 01/082004
ERNESTO L. PROFETA

NOTIFIED: 1/8/04 Voice Mail

DEH:SAM-9075 (4/03)

T101909

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

RECEIVED
2003 DEC 24 AM 9 45
S. D. H.
MAILROOM

OFFICE USE ONLY	
PERMIT #W	LM0N101909
SAM CASE Y/O #H	NONE
DATE RECEIVED:	12/24/03
FEE PAID:	$385
	CL # 82173

A. **RESPONSIBLE PARTY** METROPOLITAN TRANSIT DEVELOPMENT BOARD Phone (619) 231-1466
Mailing Address 1255 IMPERIAL AVE, STE 100 City SAN DIEGO State CA Zip 92101
Contact Person JIM HECHT Phone (619) 231-1466 ext. 619.557-4542

B. **SITE ASSESSMENT PROJECT IF APPLICABLE #H** _____

C. **CONSULTING FIRM** Ninyo Moore
REG 01-05-04 12:43 EDWA 104511 $385.00
Mailing Address 5710 Ruffin Road City San Diego State CA Zip 92023
Registered Professional W. SCOTT SNYDER Registration # 7356 (RG, RCE, CEG)
Contact Person SEAN Mc GOEY Phone (858) 576-1000 ext. 1267

D. **DRILLING COMPANY** BAJA Exploration C57# 804318 Phone 760 737.6896
Mailing Address 246 Vista Grande Glen City Escondido State CA Zip 92025

E. **CONSTRUCTION INFORMATION**

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	
☐ Vadose	
☐ Boring	
☒ Other	

NUMBER OF WELLS TO BE DESTROYED #
☒ 3

MATERIALS TO BE USED

CASING
Type _____
Gauge _____
Diameter _____
Well Screen Size _____
Filter Pack _____
(Specify)

SEAL
☐ Neat Cement
☐ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other

Drilling Method
☒ Auger ☐ Air Rotor
☐ Mud Rotary
☐ Percussion ☐ Other

PROPOSED CONSTRUCTION
Estimated ground water depth _____ ft.
CEMENT SEAL _____ to _____
BENTONITE SEAL _____ to _____
FILTER PACK _____ to _____
PERFORATION _____ to _____
PROPOSED DRILLING DATE 1/15/04

NOTE:
Attach a well construction diagram for wells with multiple completion

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 12/23/03

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk with a complete and accurate well/boring log. I will certify the design and construction/or destruction of the well/borings in accordance with the permit application.

(RG/RCE/CEG) SIGNATURE _____ DATE 12/23/03

(BV-202) (MVE-7) (BV-208)

12/24 Need copy of Traffic Permit (application). ltr
1/6/04 talked to S. McGoey & will fax copy of Traffic Permit app. ltr

F. SITE INFORMATION

(BV-202)

1. ASSESSOR'S PARCEL NUMBER 469-021-0300 of

Site Name ON STREET ADJACENT TO 7601 ALVARADO RD MTDB RIGHT OF WAY EASEMENT

Site Address ADJACENT TO 7601 ALVARADO RD City LA MESA Zip 91941

JIM HECHT METROPOLITAN TRANSIT DEV BOARD RIGHT OF WAY EASEMENT

PROPERTY OWNER CITY OF LA MESA RIGHT OF WAY Phone

Mailing Address 1255 IMPERIAL AVE STE 100 City SAN DIEGO State CA Zip 92101

NUMBER OF WELLS 1 TYPE OF WELLS GROUNDWATER

(BV-208)

2. ASSESSOR'S PARCEL NUMBER NO APN#

Site Name METROPOLITAN TRANSIT DEV BOARD RIGHT OF WAY EASEMENT

Site Address ADJACENT TO INTERSECTION FLETCHER AND COMANCHE DR City LA MESA Zip 91941

JIM HECHT

PROPERTY OWNER METROPOLITAN TRANSIT DEV BOARD Phone (619) 231-1466

Mailing Address 1255 IMPERIAL AVE STE 100 City SAN DIEGO State CA Zip 92101

NUMBER OF WELLS 1 TYPE OF WELLS GROUNDWATER

* Installed under W99875 (MVE-7)

3. ASSESSOR'S PARCEL NUMBER 469-021-0900 of

Site Name METROPOLITAN TRANSIT DEV BOARD RIGHT OF WAY EASEMENT

Site Address 7621 ALVARADO City LA MESA Zip 91941

JIM HECHT

PROPERTY OWNER METROPOLITAN TRANSIT DEV BOARD Phone (619) 231-1466

Mailing Address 1255 IMPERIAL AVE STE 100 City SAN DIEGO State CA Zip 92101

NUMBER OF WELLS 1 TYPE OF WELLS GROUNDWATER

4. ASSESSOR'S PARCEL NUMBER

Site Name

Site Address City Zip

PROPERTY OWNER Phone

Mailing Address City State Zip

NUMBER OF WELLS TYPE OF WELLS

G. FEES (in effect beginning July 1, [redacted] through June 30, 2004):

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells) **Permit for Well Maintenance Inspection** (Valid for three years)	$165.00 for the first monitoring well	1 x $165.00 $_____
	$ 90.00 for first well maintenance inspection	1 x $ 90.00 $_____
Each Additional New Well	$140.00 for each additional well installation	_____ x $140.00 $_____
	$ 30.00 for each additional well maintenance inspection	_____ x $ 30.00 $_____
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$165.00 for the first boring	1 x $165.00 $_____
	$45.00 for each additional boring	_____ x $ 45.00 $_____
Permit for Well Destructions Only	$165.00 for the first destruction	1 x $165.00 $ 165
	$110.00 for each additional destruction	2 x $110.00 $ 220
Permit for any Combination of Well Installations, Borings, & Destructions ***(except UST backfill permit)***	The first activity will be $165.00.	1 x $165.00 $_____
	Additional activities will be as follows:	
	$140.00 for each additional well	_____ x $140.00 $_____
	$ 90.00 for first well maintenance inspection	1 x $ 90.00 $_____
	$ 30.00 for each additional well maintenance inspection	_____ x $ 30.00 $_____
	$ 45.00 for each additional boring	_____ x $ 45.00 $_____
	$110.00 for each well destruction	_____ x $110.00 $_____
Permit for Underground Storage Tank Monitoring System in Backfill *(i.e. Enhanced Leak Detection)*	**$305.00 (Flat Fee)**	**$305.00**
	TOTAL COST OF PERMIT	$ 385.00

H. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS

Submit one (1) original and two (2) copies of this application package, including plan drawings with the required fee to the Monitoring Well Permit Desk, Department of Environmental Health, Site Assessment and Mitigation Program (SAM). 1255 Imperial Avenue, San Diego, CA 92101. Or mail to P. O. Box 129261, San Diego, CA 92112-9261. Information in addition to that presented in the application package may be needed in order to obtain final approval. **Checks should be made payable to the County of San Diego.**

A permit will be issued by SAM upon review and approval of the application and plans. The required fees must be submitted with the application package. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit is issued.

Once the permit has been issued, it is the responsibility of the permittee to notify SAM at least two (2) working days in advance to schedule each required inspection.

USE ONE APPLICATION PACKAGE FOR A SINGLE SITE PROJECT. A SINGLE PERMIT WILL BE ISSUED FOR A SINGLE SITE PROJECT, EVEN IF WELLS/BORINGS ARE COMPLETED ON MORE THAN ONE PROPERTY. PLEASE USE SEPARATE APPLICATIONS FOR MULTIPLE SITE PROJECTS.

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS
EXPLORATORY OR TEST BORINGS

- For well destruction, complete only #1 below.
- Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.
- Well driller must have an active C-57 License and current $7,500 bond with the County.
- Provide a plot plan giving location of property lines, existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.
- If applicable, provide a signed copy of the Property Owner Responsibility form for each property listed in Section "F." Provide encroachment/excavation permit and/or traffic control permit for work to be done in street or public right of way.

1. If wells are to be destroyed, provide a description of method of destruction. Wells will be destroyed by overdrilling to total depth of borehole, removing casing, filterpack and sealing materials and backfilling with bentonite grout by the tremie method to near surface and capped with a concrete surface seal, or native soil if in vegetated areas.

2. What is the purpose of the well/boring investigation? _____

3. What procedures will be used to prevent the well/boring from providing an avenue to contamination during construction?

4. What field procedures will be utilized to determine if contamination exists?

5. What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

6. What constituents will be monitored and tested (Include EPA Laboratory Test Methods to be used)?

7. How will samples be transported and preserved? _____

8. What sampling methods will be used? _____

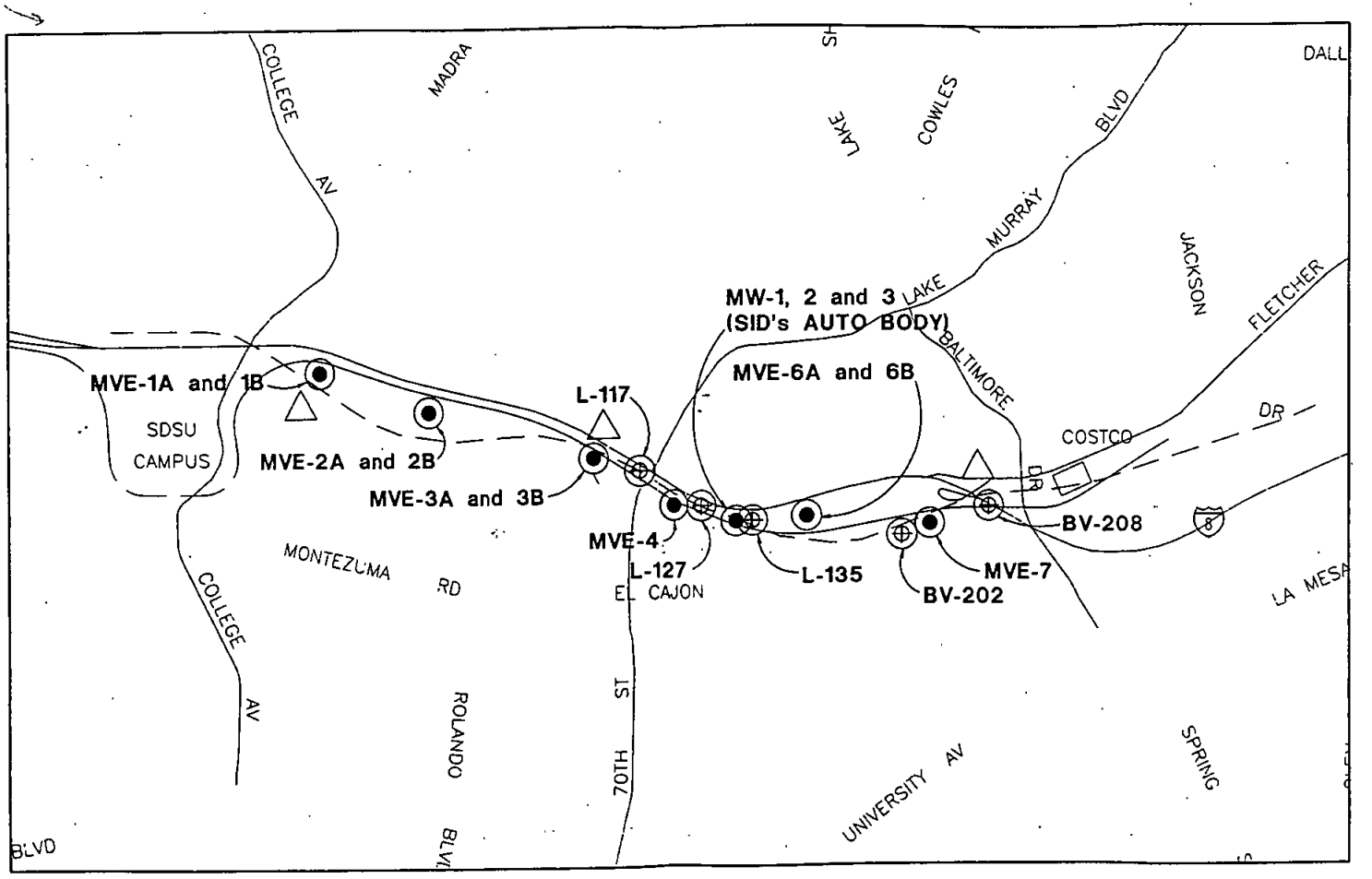
9. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (Current SAM Manual Requirements). If yes, specify these variations.

10. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

    Drilling equipment will be steam cleaned and high pressure washed prior to advancement of augers and abandonment of wells

11. What methods will be used to clean sampling equipment? _____

12. What cleaning method will be used to clean casing and screen prior to installation? _____



LEGEND:

- PROPOSED GROUNDWATER PUMP TEST AND OBSERVATION WELL LOCATION
- EXISTING GROUNDWATER OBSERVATION WELL LOCATION
- SURFACE WATER SAMPLING LOCATIONS
- ALVARADO CREEK

LOCATION MAP

DEWATERING ASSESSMENT SAMPLING LOCATIONS

EARTH TECH
A TYCO INTERNATIONAL LTD. COMPANY
9675 BUSINESSPARK AVENUE, SAN DIEGO, CA 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

LOCATION MAP SHOWING PROPOSED AND EXISTING GROUNDWATER WELL LOCATIONS

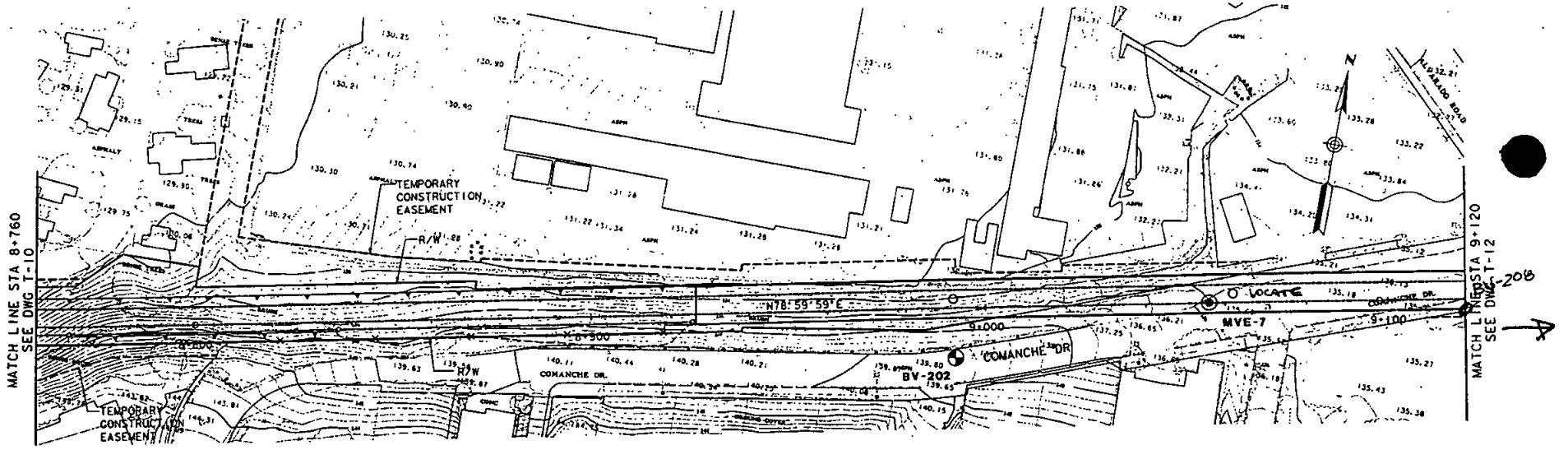
SCALE 1 : 21,000

FIGURE 2

DRAWING NO. —

SHEET NO. —

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80



LEGEND

MVE-7 — GROUNDWATER PUMP TEST WELL

BV-202 — EXISTING GROUNDWATER WELL (KLEINFELDER)

PROPOSED LIGHT RAIL TRANSIT CORRIDOR

DRAWING SOURCE: MISSION VALLEY DESIGNERS, LA MESA SEGMENT T-11, 12/00

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY
9675 BUSINESS PARK AVENUE SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

PROPOSED GROUNDWATER WELL LOCATION
FOR DEWATERING AREA 7

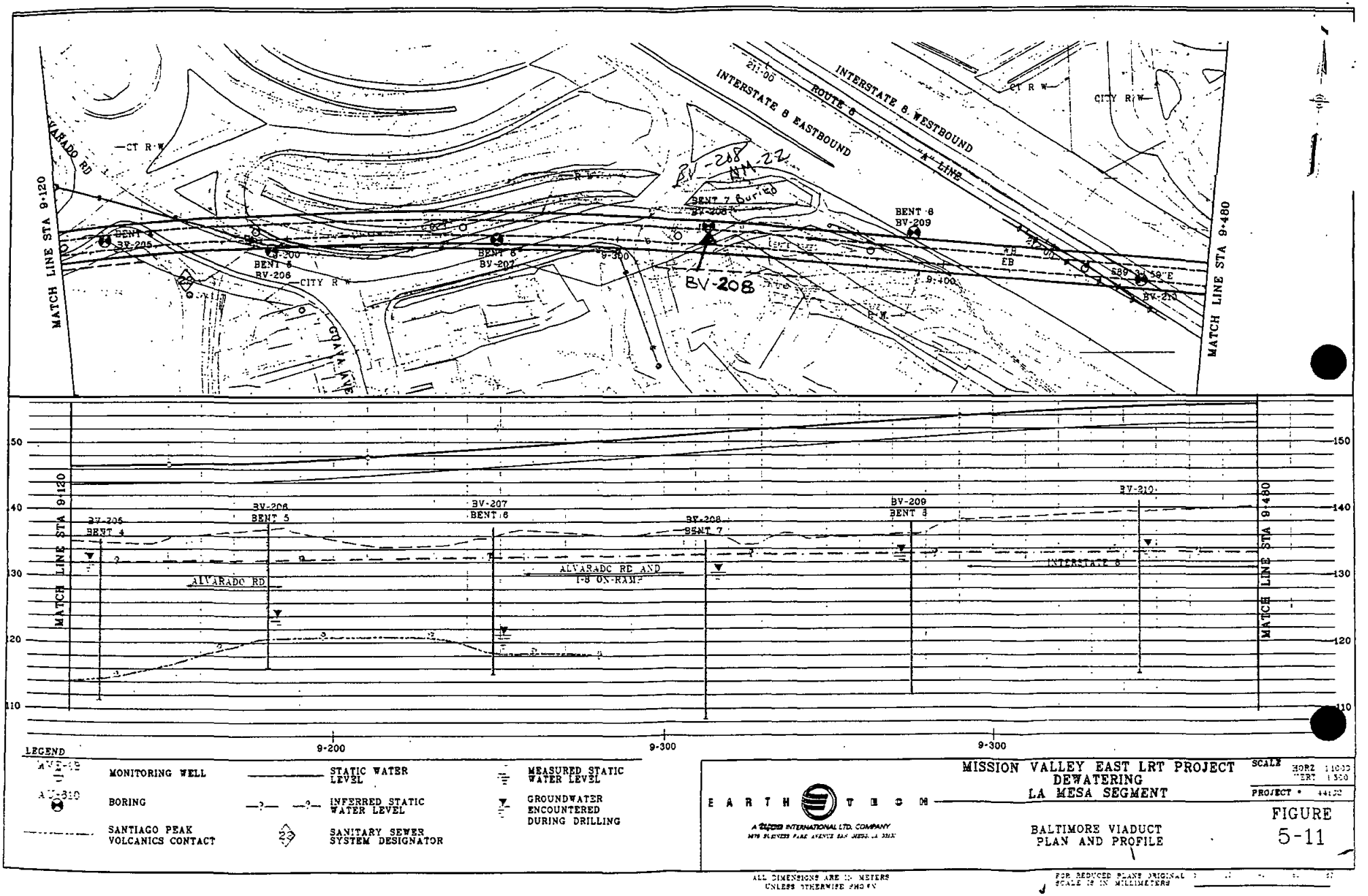
SCALE 1:1000

FIGURE 9

DRAWING NO. -

SHEET NO. -

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80



LEGEND

- MONITORING WELL
- BORING
- SANTIAGO PEAK VOLCANICS CONTACT
- STATIC WATER LEVEL
- INFERRED STATIC WATER LEVEL
- SANITARY SEWER SYSTEM DESIGNATOR
- MEASURED STATIC WATER LEVEL
- GROUNDWATER ENCOUNTERED DURING DRILLING

EARTH TECH

A TUDOR INTERNATIONAL LTD. COMPANY

MISSION VALLEY EAST LRT PROJECT
DEWATERING
LA MESA SEGMENT

SCALE HORZ 1:1000
VERT 1:500

PROJECT # 44122

BALTIMORE VIADUCT
PLAN AND PROFILE

FIGURE
5-11

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS

Agency: CITY OF LA MESA
Address: 8130 ALLISON AVENUE, LA MESA, CA 91941 Phone: 463-6611 Fax: 462-7528

TRAFFIC CONTROL PLAN

JOB LOCATION	BEGIN CROSS STREET	END CROSS STREET	PERMIT NO.
COMANCHE DR	SARANAC PL	SARANAC AVE	99-141

WORK HOURS	CONTINUOUS	SPEED LIMIT	WORK TO BE DONE
FROM 7:- TO 5:-		25MPH	MONITORING WELL ABANDONMENT

START DATE	END DATE	WORK DATE EXTENSION FROM	TO NEW END DATE	WORK DATE EXTENSION FROM	TO NEW END DATE
01/15/04	02/04/04				

WORK DATE EXTENSIONS MUST BE OBTAINED PRIOR TO END DATE

CONTRACTOR	ADDRESS	CITY, STATE, ZIP	TELEPHONE
NINYO & MOORE	5710 RUFFIN RD.	SAN DIEGO, CA 92123	(858) 576-1000

PROJECT CONTACT	24 HOUR TELEPHONE	FAX NUMBER
MICHAEL DENNY	(858) 576-1000	(858) 576-9600

REQUIREMENTS: *

1. The contractor is responsible for restoring the road back to satisfactory condition which will include, but is not limited to, paving, striping, markings, signing, and loop detection.

2. The agency reserves the right to observe these traffic control plans in operation and to make changes as field conditions warrant.

3. Trench will be backfilled or steel-plated during non-working hours. Steel plates shall have asphaltic ramp on all edges. All dirt, dust, and debris shall be removed from street at end of each day and at the end of the job. The street shall be in drivable condition at all times.

4. Any work that creates an undue safety risk or creates severe congestion will be shut down by the Agency.

5. A copy of all traffic requirements and traffic control plans issued by the Agency must be kept on the job site.

6. Approval of this plan does not constitute an official Permit. Contact the Agency for information on obtaining a permit.

7. All travel lanes will typically be a minimum of 12 feet wide unless otherwise specifically approved by the local jurisdiction.

8. Flashing arrow boards shall be used when required by the local jurisdiction. Steady burn warning lights shall be used to channelize traffic, to separate opposing traffic, and to delineate the path that traffic is to follow.

9. Warning (W) series signs used in work zones shall be black on orange.

10. Cones and pylons shall have yellow reflectorized sleeves along centerline, white reflectorized sleeves along outside shoulder.

* SUBJECT TO LOCAL AGENCY REQUIREMENTS

THIS TRAFFIC CONTROL PLAN IS NOT VALID UNLESS AN APPLICABLE PERMIT IS ATTACHED

SEE ATTACHED SHEET(S) FOR TRAFFIC CONTROL PLAN LAYOUT
STANDARD DRAWINGS MAY BE APPLICABLE

Revision	By	Approved	Date
Drawing ORIG.			10-9-91

APPENDIX A
SAN DIEGO REGIONAL STANDARD DRAWING

TRAFFIC CONTROL PLAN
COVER SHEET

DRAWING NUMBER TC-5

REVIEWED BY:
ENGINEERING DEPT. 1/6/04

County of San Diego

GARY ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

PROPERTY OWNER RESPONSIBILITY AGREEMENT (MVE-7)

APN: 469021 0900

Proposed Location of Well(s): SEE ATTACHED FIGURE (MVE-7) MTDB MISSION VALLEY LRT DEWATERING PROJECT

Property Address: 7621 ALVARADO RD LA MESA, CA. MTDB RIGHT OF WAY EASEMENT

Dear Property Owner:

This letter is to inform you of the responsibilities for the proposed drilling activities on your property. The scope of work covered by this letter will expire one year from the date you sign this form. Any proposed drilling activities beyond this expiration date will require a new Property Owner Responsibility Agreement.

Please place a check mark next to the activity which applies to your property:

- ☐ Install one or more monitoring wells
- ☒ Destroy one or more monitoring wells
- ☐ Drill one or more soil borings

The person who causes to have a monitoring well installed or an existing well destroyed on your property is defined as the "Responsible Party." Section 67.424 of San Diego County Code states that: "Monitoring wells shall be maintained to meet construction or destruction standards. If a monitoring well does not meet construction or destruction standards the Responsible Party must repair, reconstruct or destroy the monitoring well so it meets the standards. The property owner, if different than the Responsible Party, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the Responsible Party does not complete the necessary actions."

A soil boring is used specifically to sample soil and, because there are construction and destruction standards, is included in the definition of a monitoring well even though no maintenance is required. These standards are outlined in the County of San Diego SA/M Manual and the State of California Well Standards Bulletin 74-90.

If you have any questions or would like additional information, please contact the Monitoring Well Program at (619) 338-2339.

I understand the maintenance and construction/destruction responsibilities for monitoring wells and borings under the San Diego County Code.

X Property Owner Signature: [signature] Date: 12/17/03

X Print Name: James R. Hecht X Title: Senior Engineer
MTDB

X Mailing Address: 1255 Imperial Ave., Suite 1000
San Diego, CA 92101

County of San Diego

GARY ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

PROPERTY OWNER RESPONSIBILITY AGREEMENT

Proposed Location of Well(s): (BV-202) SEE ATTACHED FIGURES MTDB MISSION VALLEY LRT DEWATERING PROJECT

Property Address: CITY OF LA MESA ADJACENT TO APN. 469-021-0300 IN STREET RIGHT OF WAY COMANCHE D LA MESA, CA 91941 MTDB RIGHT OF WAY

Dear Property Owner:

This letter is to inform you of the responsibilities for the proposed drilling activities on your property. The scope of work covered by this letter will expire one year from the date you sign this form. Any proposed drilling activities beyond this expiration date will require a new Property Owner Responsibility Agreement.

Please place a check mark next to the activity which applies to your property:

- ☐ Install one or more monitoring wells
- ☒ Destroy one or more monitoring wells
- ☐ Drill one or more soil borings

The person who causes to have a monitoring well installed or an existing well destroyed on your property is defined as the "Responsible Party." Section 67.424 of San Diego County Code states that: "Monitoring wells shall be maintained to meet construction or destruction standards. If a monitoring well does not meet construction or destruction standards the Responsible Party must repair, reconstruct or destroy the monitoring well so it meets the standards. The property owner, if different than the Responsible Party, must take the necessary actions to repair, reconstruct or destroy the monitoring well so it meets the standards if the Responsible Party does not complete the necessary actions."

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If you have any questions or would like additional information, please contact the Monitoring Well Program at (619) 338-2339.

I understand the maintenance and construction/destruction responsibilities for monitoring wells and borings under the San Diego County Code.

X Property Owner Signature: James R. Hecht X Date: 12/17/03

X Print Name: James R. Hecht X Title: Senior Engineer MTDB

X Mailing Address: 1255 Imperial Ave., Suite 1000 San Diego, CA 92101

County of San Diego

GARY ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377

RICHARD HAAS
ASSISTANT DIRECTOR

PROPERTY OWNER RESPONSIBILITY AGREEMENT

BV-208

Proposed Location of Well(s): SEE ATTACHED FIGURE

Property Address: METROPOLITAN TRANSIT DEV BOARD CASEMG EAST OF INTERSECTION FLETCHER & COMANCHE DI LA MESA, CA

NO APN'. MTDB RIGHT OF WAY

BV-208

MTDB MISSION VALLEY LRT DEWATERING PROJECT.

Dear Property Owner:

This letter is to inform you of the responsibilities for the proposed drilling activities on your property. The scope of work covered by this letter will expire one year from the date you sign this form. Any proposed drilling activities beyond this expiration date will require a new Property Owner Responsibility Agreement.

Please place a check mark next to the activity which applies to your property:

- ☐ Install one or more monitoring wells
- ☒ Destroy one or more monitoring wells
- ☐ Drill one or more soil borings

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If you have any questions or would like additional information, please contact the Monitoring Well Program at (619) 338-2339.

I understand the maintenance and construction/destruction responsibilities for monitoring wells and borings under the San Diego County Code.

X Property Owner Signature: James R. Hecht X Date: 12/17/03

X Print Name: James R. Hecht X Title: Senior Engineer

X Mailing Address: MTDB, 1255 Imperial Ave, Suite 1000
San Diego, CA 92101

€

June 4, 2004
Project No. 104804003_COM/ALV

Well Permit Clerk
Site Assessment and Mitigation Division
Environmental Health Services
P.O. Box 129261
San Diego, California 92112-9261

04 JUN -8 AM 8:52

Subject: 60-Day Boring Report
A.P.N: 469-021-03;09
EST # None
MTDB Trolley Alvarado Corridor
On Street adjacent to 7601 & 7621 Alvarado Rd., and intersection Fletcher & Comanche Drive
La Mesa, California 91941

Dear Well Permit Clerk:

Ninyo & Moore is submitting the attached documents in fulfillment of the conditions of boring permit number LMON101909 issued on January 8, 2004, for the following project:

Property Owner:	Metropolitan Transit Dev. Board
Site Address:	On Street adjacent to 7601 & 7621 Alvarado Rd., and intersection Fletcher & Comanche Drive
Property Representative:	Jim Hecht - MTDB
Address:	1255 Imperial Ave, Ste 100 San Diego, California 92101
Assessor's Parcel No.:	469-021-03:09

On April 8, 2004, Ninyo & Moore observed Baja Exploration (C57 license # 804318) abandon groundwater monitoring well BV-202, in accordance with the current Department of Water Resources and Site Assessment and Mitigation Division guidelines at the site which was originally permitted for 3 well destructions. Prior to well destruction activities Ninyo & Moore conducted site

reconnaissance utilizing survey coordinates, geophysical investigation and limited soil excavation in an attempt to locate wells MVE-7 and BV-208. Monitoring wells MVE-7 and BV208 were not located and therefore could not be destroyed per SAM Guidelines. Wells MVE-7 and BV-208 were possibly destroyed during construction activities along the Trolley corridor. Materials, volumes and methods of well destructions are documented on the attached Well Destruction Field Logs for well BV-202.

The attached documents include a copy of the approved boring permit, Ninyo & Moore Well Destruction Field Logs documenting methods and quantities, and site maps. If you have any questions regarding this permit, please contact the undersigned.

Respectfully submitted,

NINYO & MOORE

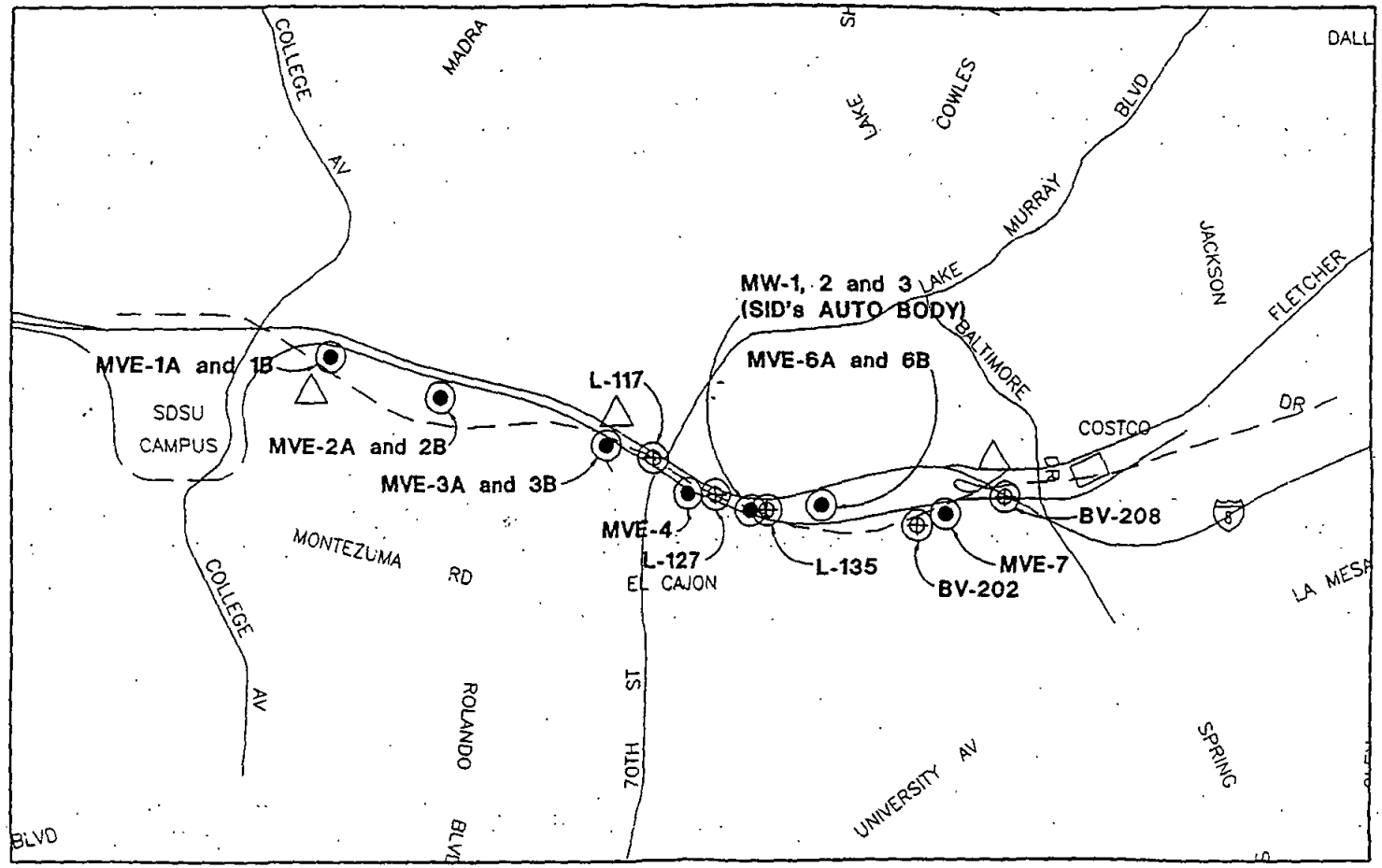
W. Scott Snyder, R.G., HG.
Senior Project Hydrogeologist

REGISTERED GEOLOGIST
W. SCOTT SNYDER
No. 748
CERTIFIED HYDROGEOLOGIST
Exp. 08/09
STATE OF CALIFORNIA

MHD/WSS/mhd

Distribution: (1) Addressee

Attachments: Approved Well Destruction Permit
Ninyo & Moore Well Destruction Field Logs
Site Location Map



LEGEND:

- PROPOSED GROUNDWATER PUMP TEST AND OBSERVATION WELL LOCATION
- EXISTING GROUNDWATER OBSERVATION WELL LOCATION
- SURFACE WATER SAMPLING LOCATIONS
- ALVARADO CREEK

LOCATION MAP

DEWATERING ASSESSMENT SAMPLING LOCATIONS

EARTH TECH
A TYCO INTERNATIONAL LTD. COMPANY
9675 BUSINESSPARK AVENUE, SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

LOCATION MAP SHOWING PROPOSED AND EXISTING GROUNDWATER WELL LOCATIONS

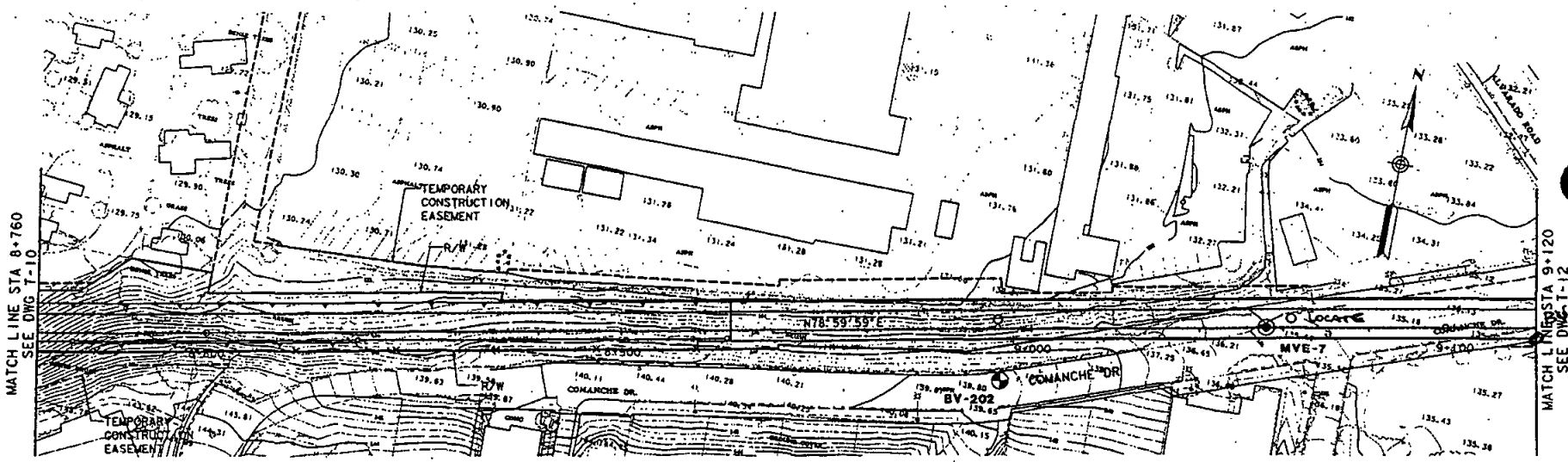
SCALE 1 : 21,000

FIGURE 2

DRAWING NO. —

SHEET NO. —

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80



LEGEND

MVE-7 — GROUNDWATER PUMP TEST WELL

BV-202 — EXISTING GROUNDWATER WELL (KLEINFELDER)

PROPOSED LIGHT RAIL TRANSIT CORRIDOR

DRAWING SOURCE: MISSION VALLEY DESIGNERS, LA MESA SEGMENT T-11, 12/00

EARTH TECH
A tyco INTERNATIONAL LTD. COMPANY
9675 BUSINESS PARK AVENUE SAN DIEGO, CA. 92131

METROPOLITAN TRANSIT DEVELOPMENT BOARD
MISSION VALLEY EAST LRT PROJECT
DEWATERING ASSESSMENT

PROPOSED GROUNDWATER WELL LOCATION
FOR DEWATERING AREA 7

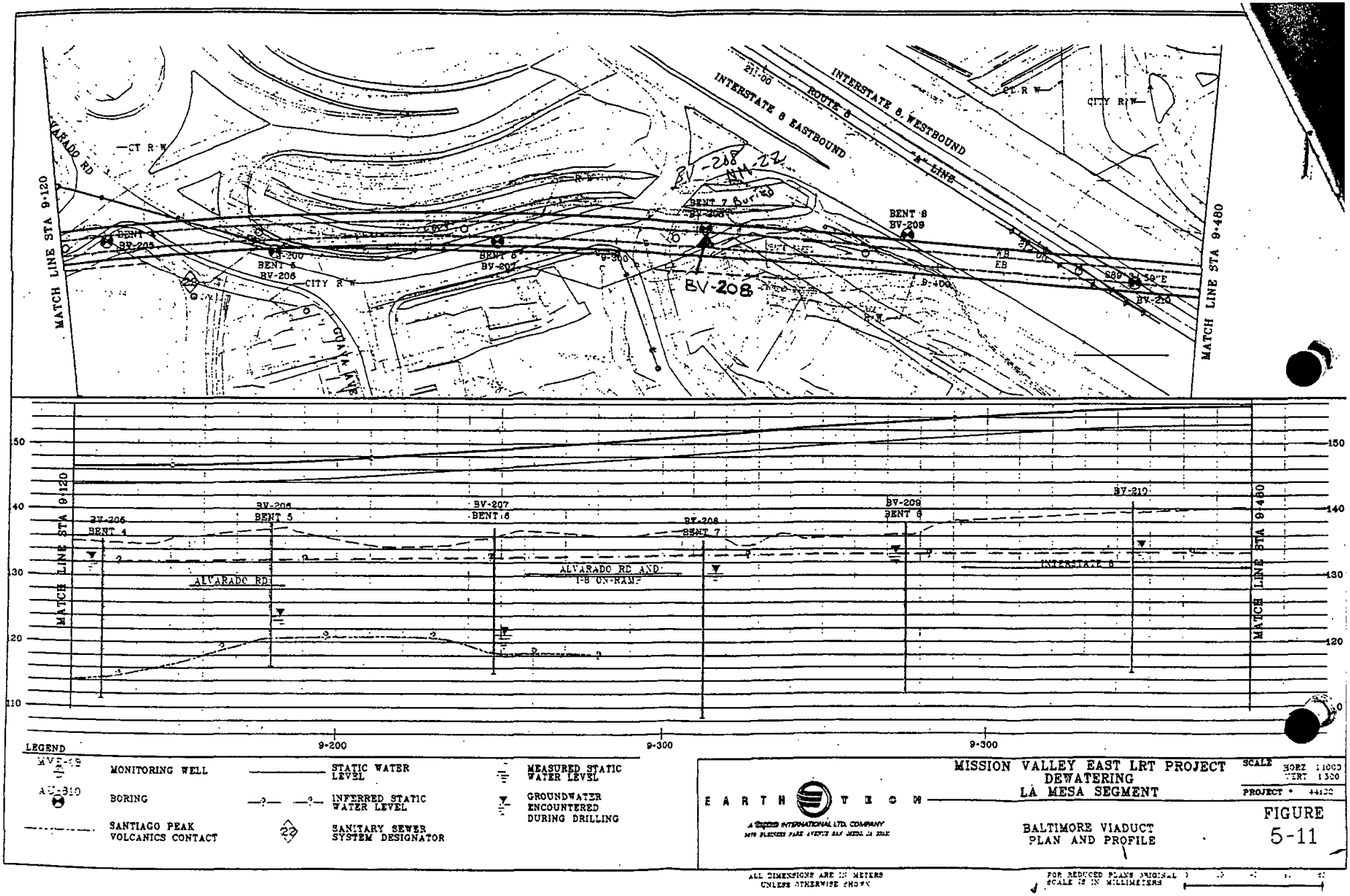
SCALE 1:1000

FIGURE 9

DRAWING NO. -

SHEET NO. -

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80



LEGEND

- MONITORING WELL
- BORING
- SANTIAGO PEAK VOLCANICS CONTACT
- STATIC WATER LEVEL
- INFERRED STATIC WATER LEVEL
- SANITARY SEWER SYSTEM DESIGNATOR
- MEASURED STATIC WATER LEVEL
- GROUNDWATER ENCOUNTERED DURING DRILLING

EARTH TECH

A TETRA TECH INTERNATIONAL LTD. COMPANY

MISSION VALLEY EAST LRT PROJECT
DEWATERING
LA MESA SEGMENT

SCALE HORZ 1:1000
VERT 1:500

PROJECT # 44120

BALTIMORE VIADUCT
PLAN AND PROFILE

FIGURE
5-11

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

FOR REDUCED PLANS ORIGINAL IS 22" X 34" SCALE IS IN MILLIMETERS

Ninyo&Moore

Well Destruction Field Log

Project #: 104804003

Well ID: BV-202 Permit No.: LMON101909

Date of Well Destruction: 4.8.2004

Drilling Contractor: BAJA EXPLORATION

Method of Destruction: **Overdrill and remove all materials and backfill by tremie method with bentonite grout to near surface**

Over Drill with 8 (inch) diameter hollow stem auger: TO TOTAL DEPTH

Diameter of well casing and screen: (2 inch) 4 inch 6 inch

Total feet of casing and screen removed: ≅ 70 FEET

Total depth of over-drill: 72 ft

Total soil cuttings drums generated: 2 DRUMS

Total decon drums generated: NONE - PRECLEANED AUGERS

Method of borehole backfill: BOTTOM UP tremie method w/ GROUT

Backfill material: bentonite chips (bentonite grout) T.D. TO 5 ft BGS

Total depth to 5 ft. (bgs) backfilled with BENTONITE GROUT

Volume of backfill material: BENTONITE GROUT 185 → (gallons) cubic feet BENTONITE HYDRATED CHIPS 5ft to 3 ft 1.5 ft3

Surface completion material: 3 ft BGS to SURFACE 4000 PSI CONCRETE

Volume of surface seal backfill material: 1.5 ft3 4000 PSI CONCRETE

Observed by: MHD

ENTERED FEB 14 2007

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 12/27/06
PERMIT # 2035604
TIME START 9:00 END 10:05
BUS. CODE KLO
SPECIALIST F. Tamaurice
INSPECTION CONTACT/TITLE
Justus Benjamin / Pharmacist
PHONE: (619) 337-3656

BUSINESS NAME Technician Support Services Industry
ADDRESS 7200 Parkway Dr. Ste. 104
CITY/ZIP La Mesa 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☐	☐	Unified Program Facility Permit current and available			Permit Expires on: / /
☐	☐	Hazardous Materials Business Plan available	☐	☐	Contingency Plan available
☐	☐	Employee Training is adequate	☐	☐	Employee Training records available
☐	☐	Waste disposal records available for review	☐	☐	Waste containers kept closed
☐	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers kept labeled
☐	☐	Chemical inventory current ☐ Updated today	☐	☐	Waste containers in good condition

New Business Inspection

- Business sells medical related equipment such as wheel-chairs. Business also has a pharmacy which generates waste medications/pharmaceuticals. Waste pharmaceuticals are stored in a card-board box and periodically mailed to Reverse Distributors, Inc where the unwanted unusable or outdated pharmaceutical products are processed and returned to the manufacturer or manufacturer's agent.

RECEIVED JAN 30 2007

- Be advised that pharmaceuticals determined at this location to be "waste pharmaceuticals", as defined in Hazardous Waste Determination Guidance (provided) must be stored in a leak resistant container and labeled with the words "Incineration Only" on the containers lid and all sides.

- Business provided with Management of Regulated Wastes handout.

ENTERED FEB 14 2007

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

Signature of Business Representative | 12/27/06 Date Signed | Chief Operations Officer Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2137 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

21313

County of San Diego

Permit # 203564

Employee # MFITZMAU

Date 12/27/06

MEDICAL WASTE REQUIREMENTS COMPLIANCE INSPECTION REPORT

Business Address 7200 Parkway Drive Zip Code 91942

VIOLATION REPORT: *The items checked below refer to specific section numbers of the California Health and Safety Code Sections 25100 and 117600 et. al.; County Code of Regulatory Ordinances Sections 68.1201 et. al.; and California Code of Regulations, Title 22 Sections 65600 et. al.*
All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

Storage And Labeling

Violation	Violation Description
☐ V4201	UPF Permit not obtained. 117705, 68.905
☐ V4202	Medical Waste (MW) not separated from other waste at point of origin. 118275
☐ V4203	Enclosure or designated accumulation area for MW containers not secured. 118310
☐ V4204	MW storage area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
☐ V4205	Medical SOLID WASTE not secured to deny access to unauthorized persons. 68.1211
☐ V4206	Spill of MW not properly cleaned up. 118300
☐ V4207	Sharps not stored in approved and properly marked sharps container. 118275
☐ V4208	Full sharps container not taped, closed or tightly lidded to preclude loss of contents. 118285
☐ V4209	Red bags/sharps container not labeled with generator's name, address and phone number. 68.1205, 68.1206
☐ V4210	MW not stored in approved and properly marked red bags. 118275
☐ V4211	Red bags not tied off to prevent leakage/expulsion of contents during handling and storage. 118280
☐ V4212	Red bags not containerized in rigid, leak resistant and covered containers or bins. 118280
☐ V4213	Waste container/bin not labeled on the lid and side so as to be clearly visible. 118280
☐ V4214	Reusable containers/bins for MW storage not kept clean/sanitary. 118295, 118305
☐ V4215	Frozen (0C/32°F) MW stored > 90 days. 118280
☐ V4306	Full sharps container stored > 7 days at room temp. 118285
☐ V4307	Red bag waste stored > 7 days at room temperature (for generators of > 20 lbs/month). 118280
☐ V4308	Red bag waste stored > 30 days at room temperature (for generators of < 20 lbs/month). 118280

Treatment and Disposal

☐ V4251	MW treated by unapproved method/procedure. 118215
☐ V4252	Standardized written operating procedures for steam sterilization not available. 118215
☐ V4253	Recording thermometer not calibrated annually. 118215
☐ V4254	No records of thermometer calibration checks onsite for at least the past 3 years. 118215
☐ V4255	Heat-sensitive tape/other approved method not used for each load treated onsite. 118215
☐ V4256	Monthly biological indicator or other approved method not used to confirm proper disinfection. 118215
☐ V4257	Onsite Steam Sterilization did not reach 121° C/250° F for 30 minutes. 118215
☐ V4258	Treatment records/logs of dates, time and temperature not available for 3 years. 118215
☐ V4259	Disposal of untreated MW to an unauthorized point. 118340

Transportation Requirements

☐ V4260	Transportation of MW without State Hauler Registration or a (LQHE) from HMD. 118025
☐ V4304	No LQHE for "self-hauled" MW (<20 pounds of waste/wk). 118030. 118025
☐ V4305	LQHE not renewed annually as required. 118030
☐ V4311	Medical Waste tracking documents not in vehicle transporting MW. 118040
☐ V4312	MW tracking documents/logs not maintained for 3 years for LQHE. 118040

Small Quantity Generators Only (<200 lbs/mo MW)

☐ V4301	Medical Waste Mgmt. Plan (MWMP) not submitted to HMD (initial/updates if onsite treatment). 117935
☐ V4302	Did not maintain or show proof of "onsite" medical waste treatment records for 3 years. 118215, 117943
☐ V4303	Did not retain on file disposal receipts/tracking documents for waste shipped offsite for 2 years. 117945
☐ V4309	MWMP or equivalent information not onsite. 117945

Large Quantity Generators Only (>=200 lbs/mo MW)

☐ V4351	MWMP not submitted to HMD (initial/updates). 117950, 117960, 117970
☐ V4352	Records of MW treatment not available for 3 years. 118215, 117975
☐ V4353	Did not retain on file disposal receipts/tracking documents for at least 3 years for waste shipped offsite. 117975

Pathology, Chemotherapy, Pharmac & Hazardous Waste

☐ V4401	Chemo waste not segregated from other MW. 118275
☐ V4402	Chemo waste container not properly labeled. 118275
☐ V4403	Illegal disposal of chemo waste. 118340
☐ V4411	Pathology waste not segregated from other MW. 118275
☐ V4412	Pathology waste container not properly labeled. 118275
☐ V4413	Illegal disposal of pathology waste. 118340
☐ V4421	Pharmwaste not segregated from other MW. 118275 (g)
☐ V4422	Pharmwaste not properly labeled. 118275(g)
☐ V4423	Pharmwaste stored > 90 days. (>= 10 lbs/yr). 118280(e)
☐ V4431	VSQG of pharmwaste (<10 lb/yr) stored > 1 yr. 118280(e)
☐ V4432	Illegal disposal of pharmaceutical waste. 118340, 118222
☐ V4441	Illegal disposal of photo/hazwaste to sewer/trash. 25189.5

Onsite MW Treatment Facility Requirements

☐ V4501	Onsite MW treatment to permit not obtained/renewed. 117950, 118130. 118115. 65620/65623
☐ V4502	Current copy of the MW treatment permit not available. 65621(f), 65623, 118165, 118180
☐ V4503	Condition(s) of the MW treatment permit violated. 65623

Signature of Business Representative

Chief Operating Officer
Title of Business Representative

12/27/06
Date Signed

DEH:HM-9255(05/05)

21313

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH - CUPA

HAZARDOUS MATERIALS DIVISION

P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

2006 SEP 8 AM 9 57

BUSINESS ACTIVITIES

MAILROOM

Page 1 of 1

I. FACILITY IDENTIFICATION

FACILITY ID #	3	7	.	0	0	0	.	2	0	3	5	6	4	EPA ID # (Hazardous Waste Only) 2

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3
Technician Support Services Industry (TSSI)

7200 Parkway Dr. Suite 1048
La Mesa, CA 91942

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...		If Yes, please complete these pages of the UPCF.
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☐ YES ☒ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) ▪ Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
▪ Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
▪ Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: —any tank capacity is greater than 660 gallons, or —the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☒ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE ▪ Generate hazardous waste?	☐ YES ☒ NO 9	EPA ID NUMBER – provide at the top of this page
▪ Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
▪ Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A, B, C, D and L)
▪ Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
▪ Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
▪ Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

- MEDICAL WASTE
  - Generate <200 lbs/month of Medical/Biohazardous Waste? ☒ YES ☐ NO
  - Generate ≥200 lbs/month of Medical/Biohazardous Waste? ☐ YES ☒ NO
  - Generate ≥200 lbs/month of Medical/Biohazardous Waste and treat any amount of medical waste ☐ YES ☒ NO
- Handle Toxic gases with threshold limit concentration (TLV) # 10 ppm in any quantity? ☐ YES ☒ NO

Business Activities

Submit the Business Activities page and the Business Owner/Operator Identification page (OES Form 2730), for all submissions. NOTE: The numbering of the instructions follows the data element numbers that are on this form. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C, and the Business Section of the Unified Program Data Dictionary. Please number all pages of your submittal. This helps the San Diego County, Department of Environmental Health (DEH), Hazardous Materials Division (HMD) identify whether the submittal is complete and if any pages are separated.

1. FACILITY ID NUMBER - Enter the 6 character Permit # on your Unified Program Facility Permit (UPFP). If you do not have a Unified Program Facility Permit, leave this blank.
2. EPA ID NUMBER - Enter your facility's 12-character U.S. EPA ID #. If you do not have a number, contact the Department of Toxic Substances Control (DTSC) at (800) - 61-TOXIC or (800) 618-6942, to obtain one.
3. BUSINESS NAME - Enter the full legal name of the business. This is the same as the terms "Facility Name" or "DBA" - Doing Business As.
4. HAZARDOUS MATERIALS ONSITE - Check the appropriate box to indicate whether you have a hazardous material onsite in the quantities listed in section A of this form. If "Yes", then you must then complete the Business Owner/Operator Identification page (OES Form 2730) and the Hazardous Materials Inventory - Chemical Description page (OES Form 2731), as well as a complete Hazardous Materials Business Plan (see HMD form DEH:HM952).
5. OWN OR OPERATE UNDERGROUND STORAGE TANK (UST) - Check the appropriate box to indicate whether you own or operate USTs containing hazardous substances as defined in Health and Safety Code (HSC) Section 25316. If "YES," then you must complete one UST Facility page and UST Tank pages for each tank. You must also submit a monitoring program plan (See HMD handout DEH:HM9222).
6. UPGRADE/INSTALL UST - Check the appropriate box to indicate whether you intend to install or upgrade USTs containing hazardous substances as defined in HSC Section 25316. If "YES," then you must complete the UST Installation - Certificate of Compliance page in addition to UST Facility and Tank pages, plot plan and monitoring program plan and the DEH installation, upgrade permit applications. Contact the HMD at (800) 253-9933.
7. UST CLOSURE - Check the appropriate box if you are closing an UST and complete the closure portion of the UST Tank pages for each tank. Submit a DEH closure application.
8. OWN OR OPERATE ABOVEGROUND PETROLEUM STORAGE TANK (AST) - Check the appropriate box to indicate whether there are ASTs onsite which exceed the regulatory thresholds. This program applies to all facilities storing petroleum in aboveground tanks. Petroleum means crude oil, or any fraction thereof, which is liquid at 60 degrees Fahrenheit temperature and 14.7 pounds per square inch absolute pressure (HSC Section 25270.2 (g)).
9. HAZARDOUS WASTE GENERATOR - Check the appropriate box to indicate whether your facility generates hazardous waste. A generator is the person or business whose acts or processes produce a hazardous waste or who causes a hazardous substance or waste to become subject to State hazardous waste law. Hazardous waste means a waste that meets any of the criteria for the identification of a hazardous waste adopted by DTSC pursuant to HSC §25141. "Hazardous waste" includes, but is not limited to, federally regulated hazardous waste. Federal hazardous waste law is known as the Resource Conservation and Recovery Act (RCRA). Unless explicitly stated otherwise, the term "hazardous waste" also includes extremely hazardous waste and acutely hazardous waste.
10. RECYCLE - Check the appropriate box to indicate whether your facility recycles more than 100 kilograms per month of recyclable material under a claim that the material is excluded or exempt per HSC Section 25143.2. Check "YES" and complete the Recyclable Materials Report pages, if you either recycled onsite or recycled excluded recyclable materials which were generated offsite. Check "NO" if you only send recyclable materials to an offsite recycler. You do not need to report.
11. ONSITE HAZARDOUS WASTE TREATMENT - Check the appropriate box to indicate whether your facility engages in onsite treatment of hazardous waste. "Treatment" means any method, technique, or process which is designed to change the physical, chemical, or biological character or composition of any hazardous waste or any material contained therein, or removes or reduces its harmful properties or characteristics for any purpose. Please contact the HMD to determine if any exemptions apply to your facility. If your facility engages in onsite treatment of hazardous waste then complete the Onsite Hazardous Waste Treatment Notification - Facility page and one set of Onsite Hazardous Waste Treatment Notification - Unit pages with waste and treatment process information for each unit.
12. FINANCIAL ASSURANCE - Check the appropriate box to indicate whether your facility is subject to financial assurance requirements for closure of an onsite treatment unit. Unless they are exempt, Permit by Rule (PBR) and Conditionally Authorized (CA) operations are required to provide financial assurance for closure costs (per 22 CCR Section 67450.13 (b) and HSC Section 25245.4). If your facility is subject to financial assurance requirements or claiming an exemption, then complete the Certification of Financial Assurance page.
13. REMOTE WASTE CONSOLIDATION SITE - Check the appropriate box to indicate whether your facility consolidates hazardous waste generated at a remote site. Answer "YES" if you are a hazardous waste generator that collects hazardous waste initially at remote sites and subsequently transports the hazardous waste to a consolidation site you also operate. You must be eligible pursuant to the conditions in HSC Section 25110.10. If your facility consolidates hazardous waste generated at a remote site, then complete the Remote Waste Consolidation Site Annual Notification page.
14. HAZARDOUS WASTE TANK CLOSURE - Check the appropriate box to indicate whether the tank being closed would be classified as hazardous waste after its contents are removed. Classification could be based on:
    - –Your knowledge of the tank and its contents
    - –Testing of the tank
    - –Inability to remove hazardous materials stored in the tank.
    - –The mixture rule
    - –The listed wastes in 40 CFR 261.31 or 40 CFR 261.32.

    If the tank being closed would be classified as hazardous waste after its contents are removed, then you must complete the Hazardous Waste Tank Closure Certification page.
15. LOCAL REQUIREMENTS - If you generate Medical Waste you are required to obtain a Health Permit and submit a Biomedical Waste Management Plan. In addition to this, if you generate ≥200 lbs on medical waste per month and treat any amount of medical waste on site you may be required to apply for a medical waste treatment permit with the HMD. TOXIC GASES: If you handle toxic gases with threshold limit concentration (TLV) ≤10 ppm in any quantity, you are required to obtain a Health Permit and submit an HMD Hazardous Materials Business Plan.

UPF Permit#: 203564

DATE INSPECTED: 12/27/06

UNIFIED PROGRAM FACILITY PERMIT APPLICATION

☒ This business or service is required to obtain a Unified Program Facility Permit from the San Diego County Department of Environmental Health. I answered "yes" to one or more of the questions on the "Business Activities" form.
Date assumed business ownership at this location: 2/1/06

This permit does not excuse any owner or operator from complying with all applicable federal, state, county or local laws, ordinances or regulations. The owner or operator is required to determine if another permit or approval from any other agency or department is necessary. The County, by issuing this permit, does not relinquish its right to enforce any violation of law.

☐ I have determined that this business or service does not require a Unified Program Facility Permit from the San Diego County Department of Environmental Health.

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature: _____ Title: Manager

Printed Name: Stephen Griswold Date: 9/5/06

Type of Business: medical Equipment/ Pharmacy Phone #: (619) 644-2170

Please complete the business information on the following page and return this application to the San Diego County Department of Environmental Health at:

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261
SAN DIEGO CA 92112-9261

If a San Diego County Unified Program Facility Permit is required for your business or service a representative of this Department will contact your business. Permit fees will be determined from the contact and a billing statement will be mailed.

NOTE: If you do not use hazardous materials, generate hazardous waste, or have underground storage tanks you are still required to return this form.

A representative of the San Diego County Department of Environmental Health may contact you to verify the information provided on this application.

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH - CUPA
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

203564

BUSINESS OWNER/OPERATOR IDENTIFICATION

Page ____ of ____

I. IDENTIFICATION

FACILITY ID# 37 0000 203564	BEGINNING DATE 100: 2/1/06	ENDING DATE 101:	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): Technician Support Services Industry (TSSI)	3	BUSINESS PHONE 102: (619) 337-3656	
BUSINESS SITE ADDRESS 103: 7200 Parkway Dr. Suite 1041B			
CITY 104: La Mesa	CA	ZIP CODE 105: 91942	
DUN & BRADSTREET 106:		SIC CODE (4 digit #) 107:	
COUNTY 108: San Diego			
BUSINESS OPERATOR NAME 109: Bradley Allen		BUSINESS OPERATOR PHONE 110: (619) 644-2170	

II. BUSINESS OWNER

OWNER NAME 111: Dan Griffin		OWNER PHONE 112: (619) 644-2170
OWNER MAILING ADDRESS 113: P.O. Box 676014		
CITY 114: Rancho Santa Fe	STATE 115: CA	ZIP CODE 116: 92067

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: Bradley Allen		CONTACT PHONE 118: (619) 644-2170
CONTACT MAILING ADDRESS 119: 7200 Parkway Dr. Suite 1041B		
CITY 120: La Mesa CA 91942	STATE 121: CA	ZIP CODE 122: 91942

IV. EMERGENCY CONTACTS

–PRIMARY–	–SECONDARY–
NAME 123: Justus Benjamin	NAME 128: Stephen Griswold
TITLE 124: Pharmacist in Charge (PIC)	TITLE 129: Manager
BUSINESS PHONE 125: (619) 337-3656	BUSINESS PHONE 130: (619) 644-2170
24-HOUR PH 126:	24-HOUR P' 131:
PAGER # 127: N/A	PAGER # 132: N/A

ADDITIONAL LOCALLY COLLECTED INFORMATION:

E-MAIL: *	E-MAIL: *

*This information is optional and will remain confidential. Complete if you want to receive periodic program updates from HMD.

ALWAYS SUBMIT A COPY OF THIS COMPLETED PAGE WITH SUBMITTAL OF ANY OTHER UNIFIED PROGRAM CONSOLIDATED FORM.

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134: 9/6/06	NAME OF DOCUMENT PREPARER 135: Stephen Griswold
NAME OF SIGNER (print) 136: Stephen Griswold	TITLE OF SIGNER 137: Manager	

Business Owner/Operator Identification

Please submit the Business Activities page, the Business Owner/Operator Identification page (OES Form 2730), and Hazardous Materials - Chemical Description pages (OES Form 2731) for all hazardous materials inventory submissions. For the inventory to be considered complete this page must be signed by the appropriate individual.
(Note: the numbering of the instructions follows the data element numbers that are on the UPCF pages. These data element numbers are used for electronic submission and are the same as the numbering used in 27 CCR, Appendix C, the Business Section of the Unified Program Data Dictionary.)
Please number all pages of your submittal. This helps your CUPA or AA identify whether the submittal is complete and if any pages are separated.

ALWAYS SUBMIT A COPY OF THIS COMPLETED PAGE WITH SUBMITTAL OF ANY OTHER UNIFIED PROGRAM CONSOLIDATED FORM.

1. FACILITY ID NUMBER - Enter your 6 character Permit # on your Unified Program Facility Permit (UPFP If you do not have a Unified Program Facility Permit, leave this blank.
3. BUSINESS NAME - Enter the full legal name of the business. This is the same as the terms "Facility Name" or "DBA" - Doing Business As.
100. BEGINNING DATE - Enter the beginning year and date (YYYYMMDD) of the inventory report, recyclable materials report, or on-site tiered permitting report for PBR sites.
101. ENDING DATE - Enter the ending year and date (YYYYMMDD) of the reports identified in #100.
102. BUSINESS PHONE - Enter the phone number, area code first, and any extension.
103. BUSINESS SITE ADDRESS - Enter the street address where the facility is located. No post office box numbers are allowed. This information must provide a means to geographically locate the facility. If the mailing address is different, complete #113- #116.
104. CITY - Enter the city or unincorporated area in which business site is located.
105. ZIP CODE - Enter the zip code of business site. The extra 4-digit zip may also be added.
106. DUN & BRADSTREET - Enter the Dun & Bradstreet number for the facility. If you do not have one, leave this field blank.
107. SIC CODE - Enter the primary Standard Industrial Classification Code number for primary business activity. NOTE: If code is more than 4 digits, report only the first four.
108. COUNTY - Enter the county in which the business site is located.
109. BUSINESS OPERATOR NAME - Enter the name of the business operator which is the name used for mailing correspondence.
110. BUSINESS OPERATOR PHONE - Enter business operator phone number, if different from business phone, area code first, and any extension.
111. OWNER NAME - Enter name of business owner, if different from business operator.
112. OWNER PHONE - Enter the business owner's phone number if different from business phone, area code first, and any extension.
113. OWNER MAILING ADDRESS - Enter the owner's mailing address where business related correspondence should be sent, if different from business site address.
114. OWNER CITY - Enter the name of the city for the owner's mailing address.
115. OWNER STATE - Enter the 2 character state abbreviation for the owner's mailing address.
116. OWNER ZIP CODE - Enter the zip code for the owner's address. The extra 4-digit zip may also be added.
117. ENVIRONMENTAL CONTACT NAME - Enter the name of the person, if different from the Business Owner or Operator, who will respond to enforcement activity.
118. CONTACT PHONE - Enter the phone number, if different from Owner or Operator, at which the environmental contact can be contacted.
119. CONTACT MAILING ADDRESS - Enter the mailing address where all environmental contact correspondence should be sent.
120. CITY - Enter the name of the city for the environmental contact's mailing address.
121. STATE - Enter the 2 character state abbreviation for the environmental contact's mailing address.
122. ZIP CODE - Enter the zip code for the environmental contact's mailing address. The extra 4-digit zip may also be added.
123. PRIMARY EMERGENCY CONTACT NAME - Enter the name of a representative that can be contacted in case of an emergency involving hazardous materials at the business site. The contact shall have FULL facility access, site familiarity, and authority to make decisions for the business regarding incident mitigation.
124. TITLE - Enter the title of the primary emergency contact.
125. BUSINESS PHONE - Enter the business number for the primary emergency contact, area code first, and any extensions.
126. 24-HOUR PHONE - Enter a 24-hour phone number for the primary emergency contact. The 24-hour phone number must be one which is answered 24 hours a day. If it is not the contact's home phone number, then the service answering the phone must be able to immediately contact the individual stated above.
127. PAGER NUMBER - Enter the pager number for the primary emergency contact, if available.
128. SECONDARY EMERGENCY CONTACT NAME - Enter the name of a secondary representative that can be contacted in the event that the primary emergency contact is not available. The contact shall have FULL facility access, site familiarity, and authority to make decisions for the business regarding incident mitigation.
129. TITLE - Enter the title of the secondary emergency contact.
130. BUSINESS PHONE - Enter the business telephone number for the secondary emergency contact, area code first, and any extension.
131. 24-HOUR PHONE - Enter a 24-hour phone number for the secondary emergency contact. The 24-hour phone number must be one that is answered 24 hours a day. If it is not the contact's home phone number, then the service answering the phone must be able to immediately contact the individual stated above.
132. PAGER NUMBER - Enter the pager number for the secondary emergency contact, if available.
133. ADDITIONAL LOCALLY COLLECTED INFORMATION - This space may be used for CUPAs or AAs to collect any additional information necessary to meet the requirements of their individual programs. Contact your local agency for guidance.
134. DATE - Enter the date that the document was signed. (YYYYMMDD)
135. NAME OF DOCUMENT PREPARER - Enter the full name of the person who prepared the inventory submittal information.
136. NAME OF SIGNER - Enter the full printed name of the person signing the page. The signer certifies to a familiarity with the information submitted and that based on the signer's inquiry of those individuals responsible for obtaining the information, all the information submitted is true, accurate and complete.

SIGNATURE OF OWNER/ OPERATOR OR DESIGNATED REPRESENTATIVE - The Business Owner/Operator, or officially designated representative of the Owner/Operator, shall sign in the space provided. This signature certifies that the signer is familiar with the information submitted and that based on the signer's inquiry of those individuals responsible for obtaining the information it is the Signer's belief that the submitted information is true, accurate and complete.

137. TITLE OF SIGNER - Enter the title of the person signing the page.

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH - CUPA
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

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BUSINESS ACTIVITIES

Page 1 of 1

I. FACILITY IDENTIFICATION

FACILITY ID # 3 7 [redacted] 0 0 0 [redacted] 2 0 6 3 1 2 [redacted] EPA ID # (Hazardous Waste Only) 2

BUSINESS NAME (Same as Facility Name or DBA-Doing Business As) 3

Full Circle Acupuncture

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...		If Yes, please complete these pages of the UPCF.
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☐ YES ☒ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) • Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
• Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
• Need to report closing a UST?	☐ YES ☐ NO 7	UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: —any tank capacity is greater than 660 gallons, or —the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☒ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE • Generate hazardous waste?	☐ YES ☒ NO 9	EPA ID NUMBER – provide at the top of this page
• Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
• Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A, B, C, D and L)
• Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
• Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
• Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1248)

E. LOCAL REQUIREMENTS 15

• MEDICAL WASTE
Generate <200 lbs/month of Medical/Biohazardous Waste? @ 0.5? lbs per mo. ☒ YES ☐ NO
Generate ≥200 lbs/month of Medical/Biohazardous Waste? ☐ YES ☐ NO
Generate ≥200 lbs/month of Medical/Biohazardous Waste and treat any amount of medical waste ☐ YES ☐ NO

• Handle Toxic gases with threshold limit concentration (TLV) # 10 ppm in any quantity? ☐ YES ☐ NO

UPF Permit#: 206312

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2005 AUG 31 AM 8 17

DATE INSPECTED: 1/25/06

D.E.H.
MAILROOM

UNIFIED PROGRAM FACILITY PERMIT APPLICATION

☒ This business or service is required to obtain a Unified Program Facility Permit from the San Diego County Department of Environmental Health. I answered "yes" to one or more of the questions on the "Business Activities" form.
Date assumed business ownership at this location: 9/18/05

☐ I have determined that this business or service does not require a Unified Program Facility Permit from the San Diego County Department of Environmental Health.

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature: Deborah Barry Title: Licensed Acupuncturist

Printed Name: Deborah Barry Date: 8/23/05

Type of Business: Acupuncture Phone #: (619) 469-2027
Area Code

Please complete the business information on the following page and return this application to the San Diego County Department of Environmental Health at:

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261
SAN DIEGO CA 92112-9261

If a San Diego County Unified Program Facility Permit is required for your business or service a representative of this Department will contact your business. Permit fees will be determined from the contact and a billing statement will be mailed.

NOTE: If you do not use hazardous materials, generate hazardous waste, or have underground storage tanks you are still required to return this form.

A representative of the San Diego County Department of Environmental Health may contact you to verify the information provided on this application.

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH - CUPA
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

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2005 AUG 31 AM 8 17

BUSINESS OWNER/OPERATOR IDENTIFICATION

Page 1 of 1

I. IDENTIFICATION

FACILITY ID# 37[illegible]000[illegible]20631[illegible]	BEGINNING DATE 100: 9/18/05	ENDING DATE 101:	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As): Full Circle Acupuncture Clinic		BUSINESS PHONE 102: (619) 469-2027	
BUSINESS SITE ADDRESS 103: 7200 Parkway Dr. #101			
CITY 104: La Mesa	CA	ZIP CODE 105: 91942	
DUN & BRADSTREET 106:		SIC CODE (4 digit #) 107:	
COUNTY 108: San Diego			
BUSINESS OPERATOR NAME 109: Adam Mindell		BUSINESS OPERATOR PHONE 110: (619) 469-2027	

II. BUSINESS OWNER

OWNER NAME 111: Adam Mindell + Deborah Barry	OWNER PHONE 112: (619) 465-7018	
OWNER MAILING ADDRESS 113: 4137 Merritt Blvd		
CITY 114: La Mesa	STATE 115: CA	ZIP CODE 116: 91941

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: Deborah Barry or Adam Mindell	CONTACT PHONE 118: (619) 465-7018	
CONTACT MAILING ADDRESS 119: 7200 Parkway Dr. #101		
CITY 120: La Mesa	STATE 121: CA	ZIP CODE 122: 91942

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123: Deborah Barry	NAME 128: Sheila Sterling
TITLE 124: Licensed Acupuncturist	TITLE 129: Harpist - Symphony
BUSINESS PHONE 125: [redacted]	BUSINESS PHONE 130: [redacted]
126:	131:
127: ( )	132: ( )

ADDITIONAL LOCALLY COLLECTED INFORMATION:

E-MAIL: * | E-MAIL: *

*This information is optional and will remain confidential. Complete if you want to receive periodic program updates from HMD.

ALWAYS SUBMIT A COPY OF THIS COMPLETED PAGE WITH SUBMITTAL OF ANY OTHER UNIFIED PROGRAM CONSOLIDATED FORM.

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE: Deborah Barry	DATE 134: 8/23/05	NAME OF DOCUMENT PREPARER 135:
NAME OF SIGNER (print) 136: Deborah Barry	TITLE OF SIGNER 137: Licensed Acupuncturist	

206312 File

Deborah J. Barry, L.Ac.
Adam Mindell, L.Ac.
Full Circle Acupuncture Clinic
7200 Parkway Dr., Ste. 101
La Mesa, CA 91942
619-469-2027 Fax 619-469-2047

August 29, 2005

To Whom It May Concern:

Re: Haz Mat for Full Circle Acupuncture Clinic, Needle Disposal

As per section 40191 of Public Health Ordinance, item 'C', Steam Sterilization.

Pre-disposal sterilization of acupuncture needles shall be:

1) For a minimum of 30 minutes at 250 degrees Fahrenheit or greater.
2) Each sharps container shall be sealed with heat sensitive autoclave tape.
3) Each sharps container shall be labeled with our address and name.
4) Each sharps container shall be recorded and labeled by date of sterilization and disposal as well as person responsible for sterilization prior to disposal.
5) Once per month (as needed for disposal of sharps) the biological bacillus stearothermophilus (or other adequate indicator) shall be placed at the center of the load to confirm adequate sterilization.
6) Once per year autoclave shall be inspected and calibrated.
7) Records shall be retained for a minimum of 3 years.
8) Procedures shall be monitored, performed and recorded by Adam Mindell, L.Ac. or Deborah J. Barry, L.Ac.

Thank you and if you have any questions, please call me at the above number.

Sincerely,

Deborah Barry L.Ac.

Adam Mindell, L.Ac.

Deborah J. Barry, L.Ac.

Adam Mindell, L.Ac.

ENTERED MAY 1 5 2006

ENTERED MAY 1 5 2006

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 1/25/06
PERMIT # 206312
TIME START 1:00 END 2:15
BUS. CODE K12
SPECIALIST Fitzmaurice
INSPECTION CONTACT/TITLE
Deborah Barry/Owner
PHONE: (619) ~~465-7018~~ DSD 469-2027

BUSINESS NAME Full Circle Acupuncture Clinic
ADDRESS 7200 Parkway Drive #101
CITY/ZIP La Mesa, 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☐	☐	Unified Program Facility Permit current and available			Permit Expires on: / /
☐	☑	Hazardous Materials Business Plan available	☐	☑	Contingency Plan available
☑	☐	Employee Training is adequate	☐	☑	Employee Training records available
☐	☑	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☑ Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

☐ All violations noted on this compliance inspection report were corrected during this inspection.

RECEIVED FEB 09 2006

do154326 New Business Inspection

- Biohazardous waste is Treated on site. Standard Operating Procedures (SOP) for the autoclaving of the waste reviewed. The autoclave is operated for a minimum of 30 minutes at 250°F. Autoclave tape is used on every load, and monthly spore tests are conducted. Autoclave was last serviced + calibrated on 2-1-2005. Due again during Feb.-2006.
- Autoclave log reviewed.
- Containers storing biohazardous waste observed to be properly labeled and managed.
- Medical Waste Management Plan completed during inspection. Maintain a copy on site.
- Medical Solid Waste (autoclaved sharps containers) are disposed of To a locked Trash bin.

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.	Initials of Business Representative

Deborah Barry — Signature of Business Representative
1/25/06 — Date Signed
Owner — Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2137 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

ENTERED APR 08 2008

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 1 DATE 3/6/08
PERMIT # 206312
TIME START 12:45 END 2:00
BUS. CODE K10
SPECIALIST Fitzmaurice
INSPECTION CONTACT/TITLE
Deborah Barry/Owner
PHONE: (619) 469-2027

BUSINESS NAME Full Circle
ADDRESS 7200 Parkway Dr. #101
CITY/ZIP La Mesa 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☑	☐	Unified Program Facility Permit current and available			Permit Expires on: 7/31/08
☐	☑	Hazardous Materials Business Plan available	☐	☑	Contingency Plan available
☐	☑	Employee Training is adequate	☐	☑	Employee Training records available
☐	☑	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☐ Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

Routine Inspection RECEIVED MAR 13 2008

- Medical Waste Management Plan observed to be current.
- Biohazardous waste (sharps) generated at this facility are autoclaved on site and disposed of to Trash bin. Disposal only takes place on days of Trash pick-up, as per Adam Mindell, owner. Autoclave log and written operating procedures for the autoclave reviewed. Autoclave tape observed on sharps containers (2). Biohazard symbol is covered prior to disposal to Trash bin, after autoclaving. Monthly spore Tests reviewed. Recording thermometer calibrated on 2-14-08 by AKW. Autoclave operates at a minimum of 30 minutes at 250°F.
- Busiess provided with Medical Solid Waste Security handout.

☐ **This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.** | **Initials of Business Representative**

Signature of Business Representative | 3/6/08 Date Signed | Owner Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2377 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

ENTERED JAN 19 2007

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 12/29/06
PERMIT # 207572
TIME START 9:50 END 11:00
BUS. CODE K10
SPECIALIST FITZMAURICE
INSPECTION CONTACT/TITLE
Steve Kenney / Owner
PHONE: (619) 667-4567

BUSINESS NAME eStudy Site
ADDRESS 7200 Parkway Dr. #116
CITY/ZIP La Mesa, 91942

On the above date, an inspection of your business/facility was conducted in order to determine compliance with the California Health and Safety Code (HSC) Chapters 6.5, 6.7, 6.95; Titles 19, 22 and 23 of the California Code of Regulations (CCR); and the San Diego County Code (SDCC). The following remarks are intended to provide guidance to correct the violations noted on the attached violation report.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y	N/A		Y	N/A	
☐	☐	Unified Program Facility Permit current and available			Permit Expires on: / /
☐	☑	Hazardous Materials Business Plan available	☐	☑	Contingency Plan available
☑	☐	Employee Training is adequate	☐	☑	Employee Training records available
☑	☐	Waste disposal records available for review	☑	☐	Waste containers kept closed
☑	☐	Emergency contacts current ☑ Updated today	☑	☐	Waste containers kept labeled
☑	☐	Chemical inventory current ☐ Updated today	☑	☐	Waste containers in good condition

New Business Inspection

Notice To comply:

1. Business operator failed to store medical solid waste (surgical gloves and other materials which are not biohazardous but medical looking in nature) in an area locked or secured as to deny access to unauthorized persons.

Corrective Action: Keep Trash bin locked at all times except when adding or removing waste.

RECEIVED JAN 04 2007

Remarks:

- Medical Waste Management Plan observed to be current.
- Containers storing biohazardous waste (sharps containers & red bags) observed to be properly labeled and managed.
- Biohazardous waste storage area is equipped with proper "Caution" sign.

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.

Initials of Business Representative

Signature of Business Representative | 12/29/06 Date Signed | Director of Operations Title of Business Representative

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Fax: (619) 338-2137 1-800-253-9933 http://www.sdcounty.ca.gov/deh/hmd/index.html

21313

County of San Diego

Pe# 207572

Employee # MFITZMAU

Date 12/29/06

MEDICAL WASTE REQUIREMENTS COMPLIANCE INSPECTION REPORT

Business Address 7200 Parkway Dr. #116 Zip Code 91942

VIOLATION REPORT: *The items checked below refer to specific section numbers of the California Health and Safety Code Sections 25100 and 117600 et. al.; County Code of Regulatory Ordinances Sections 68.1201 et. al.; and California Code of Regulations, Title 22 Sections 65600 et. al.*

All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form to document your return to compliance. Your Specialist can provide these forms. Please call (619) 338-2222 or your Specialist if you have any questions.

Storage And Labeling

	Violation	Violation Description
☐	V4201	UPF Permit not obtained. 117705, 68.905
☐	V4202	Medical Waste (MW) not separated from other waste at point of origin. 118275
☐	V4203	Enclosure or designated accumulation area for MW containers not secured. 118310
☐	V4204	MW storage area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
☒	V4205	Medical SOLID WASTE not secured to deny access to unauthorized persons. 68.1211
☐	V4206	Spill of MW not properly cleaned up. 118300
☐	V4207	Sharps not stored in approved and properly marked sharps container. 118275
☐	V4208	Full sharps container not taped, closed or tightly lidded to preclude loss of contents. 118285
☐	V4209	Red bags/sharps container not labeled with generator's name, address and phone number. 68.1205, 68.1206
☐	V4210	MW not stored in approved and properly marked red bags. 118275
☐	V4211	Red bags not tied off to prevent leakage/expulsion of contents during handling and storage. 118280
☐	V4212	Red bags not containerized in rigid, leak resistant and covered containers or bins. 118280
☐	V4213	Waste container/bin not labeled on the lid and side so as to be clearly visible. 118280
☐	V4214	Reusable containers/bins for MW storage not kept clean/sanitary. 118295, 118305
☐	V4215	Frozen (0C/32°F) MW stored > 90 days. 118280
☐	V4306	Full sharps container stored > 7 days at room temp. 118285
☐	V4307	Red bag waste stored > 7 days at room temperature (for generators of > 20 lbs/month). 118280
☐	V4308	Red bag waste stored > 30 days at room temperature (for generators of < 20 lbs/month). 118280

Treatment and Disposal

☐	V4251	MW treated by unapproved method/procedure. 118215
☐	V4252	Standardized written operating procedures for steam sterilization not available. 118215
☐	V4253	Recording thermometer not calibrated annually. 118215
☐	V4254	No records of thermometer calibration checks onsite for at least the past 3 years. 118215
☐	V4255	Heat-sensitive tape/other approved method not used for each load treated onsite. 118215
☐	V4256	Monthly biological indicator or other approved method not used to confirm proper disinfection. 118215
☐	V4257	Onsite Steam Sterilization did not reach 121° C/250° F for 30 minutes. 118215
☐	V4258	Treatment records/logs of dates, time and temperature not available for 3 years. 118215
☐	V4259	Disposal of untreated MW to an unauthorized point. 118340

Transportation Requirements

	Violation	Violation Description
☐	V4260	Transportation of MW without State Hauler Registration or a (LQHE) from HMD. 118025
☐	V4304	No LQHE for "self-hauled" MW (<20 pounds of waste/wk). 118030. 118025
☐	V4305	LQHE not renewed annually as required. 118030
☐	V4311	Medical Waste tracking documents not in vehicle transporting MW. 118040
☐	V4312	MW tracking documents/logs not maintained for 3 years for LQHE. 118040

Small Quantity Generators Only (<200 lbs/mo MW)

☐	V4301	Medical Waste Mgmt. Plan (MWMP) not submitted to HMD (initial/updates if onsite treatment). 117935
☐	V4302	Did not maintain or show proof of "onsite" medical waste treatment records for 3 years. 118215, 117943
☐	V4303	Did not retain on file disposal receipts/tracking documents for waste shipped offsite for 2 years. 117945
☐	V4309	MWMP or equivalent information not onsite. 117945

Large Quantity Generators Only (>=200 lbs/mo MW)

☐	V4351	MWMP not submitted to HMD (initial/updates). 117950, 117960, 117970
☐	V4352	Records of MW treatment not available for 3 years. 118215, 117975
☐	V4353	Did not retain on file disposal receipts/tracking documents for at least 3 years for waste shipped offsite. 117975

Pathology, Chemotherapy, Pharmac & Hazardous Waste

☐	V4401	Chemo waste not segregated from other MW. 118275
☐	V4402	Chemo waste container not properly labeled. 118275
☐	V4403	Illegal disposal of chemo waste. 118340
☐	V4411	Pathology waste not segregated from other MW. 118275
☐	V4412	Pathology waste container not properly labeled. 118275
☐	V4413	Illegal disposal of pathology waste. 118340
☐	V4421	Pharmwaste not segregated from other MW. 118275 (g)
☐	V4422	Pharmwaste not properly labeled. 118275(g)
☐	V4423	Pharmwaste stored > 90 days. (>= 10 lbs/yr). 118280(e)
☐	V4431	VSQG of pharmwaste (<10 lb/yr) stored > 1 yr. 118280(e)
☐	V4432	Illegal disposal of pharmaceutical waste. 118340, 118222
☐	V4441	Illegal disposal of photo/hazwaste to sewer/trash. 25189.5

Onsite MW Treatment Facility Requirements

☐	V4501	Onsite MW treatment to permit not obtained/renewed. 117950, 118130. 118115. 65620/65623
☐	V4502	Current copy of the MW treatment permit not available. 65621(f), 65623, 118165, 118180
☐	V4503	Condition(s) of the MW treatment permit violated. 65623

Signature of Business Representative

12/29/06
Date Signed

DEH:HM-9255(05/05)

Director of Operations
Title of Business Representative

21313

ENTERED JAN 19 2007

FILE

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH - CUPA
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

ENTERED JAN 19 2007

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OCT 12 2006
ENVIRONMENTAL HEALTH

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	3	7		0	0	0	[redacted]	2	0	7	5	7	2		EPA ID # (Hazardous Waste Only) 2

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3

eStudySite

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...	If Yes, please complete these pages of the UPCF.	
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☐ YES ☒ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) ▪ Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
▪ Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
▪ Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion –one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: —any tank capacity is greater than 660 gallons, or —the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☒ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE ▪ Generate hazardous waste?	☐ YES ☒ NO 9	EPA ID NUMBER – provide at the top of this page
▪ Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
▪ Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A, B, C, D and L)
▪ Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
▪ Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
▪ Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS 15

- MEDICAL WASTE
  - Generate <200 lbs/month of Medical/Biohazardous Waste? ☒ YES ☐ NO
  - Generate ≥200 lbs/month of Medical/Biohazardous Waste? ☐ YES ☒ NO
  - Generate ≥200 lbs/month of Medical/Biohazardous Waste and treat any amount of medical waste ☐ YES ☒ NO
- Handle Toxic gases with threshold limit concentration (TLV) # 10 ppm in any quantity? ☐ YES ☒ NO

ENTERED JAN 19 2007

FILE

UP Permit#: 207572

DATE INSPECTED: 12/29/06

UNIFIED PROGRAM FACILITY PERMIT APPLICATION

☒ This business or service is required to obtain a Unified Program Facility Permit from the San Diego County Department of Environmental Health. I answered "yes" to one or more of the questions on the "Business Activities" form.
Date assumed business ownership at this location:

This permit does not excuse any owner or operator from complying with all applicable federal, state, county or local laws, ordinances or regulations. The owner or operator is required to determine if another permit or approval from any other agency or department is necessary. The County, by issuing this permit, does not relinquish its right to enforce any violation of law.

☐ I have determined that this business or service does not require a Unified Program Facility Permit from the San Diego County Department of Environmental Health.

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature: _____ Title: CEO

Printed Name: Steve Kenney Date: Sept.21, 2006

Type of Business: Research Phone #: (619) 955-5202 x

Please complete the business information on the following page and return this application to the San Diego County Department of Environmental Health at:

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261
SAN DIEGO CA 92112-9261

If a San Diego County Unified Program Facility Permit is required for your business or service a representative of this Department will contact your business. Permit fees will be determined from the contact and a billing statement will be mailed.

NOTE: If you do not use hazardous materials, generate hazardous waste, or have underground storage tanks you are still required to return this form.

A representative of the San Diego County Department of Environmental Health may contact you to verify the information provided on this application.

ENTERED JAN 19 2007
FILE

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH - CUPA
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

BUSINESS OWNER/OPERATOR IDENTIFICATION

Page 1 of 1

I. IDENTIFICATION

FACILITY ID#	BEGINNING DATE 100	ENDING DATE 101
3700[redacted]20757 2		

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3	BUSINESS PHONE 102
eStudySite	(619) 667-4567 x

BUSINESS SITE ADDRESS 103		
7200 Parkway Drive Suite 116		
CITY 104		ZIP CODE 105
La Mesa	CA	91942-
DUN & BRADSTREET 106		SIC CODE (4 digit #) 107
COUNTY 108		
BUSINESS OPERATOR NAME 109		BUSINESS OPERATOR PHONE 110
Steve Kenney		(619) 955-5202 x

II. BUSINESS OWNER

OWNER NAME 111		OWNER PHONE 112
Steve Kenney		(619) 955-5202 x
OWNER MAILING ADDRESS 113		
292 Euclid Ave. Suite 225		
CITY 114	STATE 115	ZIP CODE 116
San Diego	CA	92114-

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117		CONTACT PHONE 118
Steve Kenney / MARCI SMITH, MANAGER # 619-818-3463		(619) 955-5202 x
CONTACT MAILING ADDRESS 119		
292 Euclid Ave.		
CITY 120	STATE 121	ZIP CODE 122
San Diego	CA	92114-

IV. EMERGENCY CONTACTS

–PRIMARY–		–SECONDARY–
NAME 123		NAME 128
John Neal ✓		Terry Webb ✓
TITLE 124		TITLE 129
CFO		Director, Business Development
BUSINESS PHONE 125		BUSINESS PHONE 130
(619) 955-5245 x		(619) 955-5236 x
24-HOUR PHONE 126		24-HOUR PHONE 131
127		PAGER # 132

ADDITIONAL LOCALLY COLLECTED INFORMATION:

E-MAIL: *	E-MAIL: *

*This information is optional and will remain confidential. Complete if you want to receive periodic program updates from HMD.

ALWAYS SUBMIT A COPY OF THIS COMPLETED PAGE WITH SUBMITTAL OF ANY OTHER UNIFIED PROGRAM CONSOLIDATED FORM.

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
	2006-09-21	Cece M. Echon
NAME OF SIGNER (print) 136	TITLE OF SIGNER	137
Steve Kenney	CEO	

FILE

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

PERMIT #: 207572
SPECIALIST: FITZMAURICE
INSPECTION DATE: ~~12/29/06~~ 12.29.06
CONTACT: _____

BUSINESS NAME E STUDY

ADDRESS 7200 Parkway CITY La Mesa ZIP 91942

VIOL #	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (ATTACH ANY SUPPORTING DOCUMENTATION TO THIS FORM)
1 v	4/14/08	No longer in business
2 v	__/__/__	
3 v	__/__/__	
4 v	__/__/__	
5 v	__/__/__	
6 v	__/__/__	
7 v	__/__/__	
8 v	__/__/__	
9 v	__/__/__	
10 v	__/__/__	

I certify under penalty of law that this business/site has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the business/site, and am aware that there are significant penalties for submitting false information.

Responsible Party: _____ **Job Title** _____
Print Name

Signature of Responsible Party: _____ **Date:** __/__/__

< Send completed form and supporting documentation to the address listed below >

COUNTY OF SAN DIEGO USE ONLY: **Reviewed by:** FITZMAURICE **Date:** 4/15/08
(Specialist's name and date required for processing)

Specialist's comments: _____

☑ ~~All~~ violations noted on date listed above were corrected.

☐ Based on information provided by the business
☑ ~~Based~~ on field verification by Specialist

☑ ~~RTC~~ entered in Kiva by Specialist on: 4/15/08 ☐ RTC entered in Kiva by Clerical on: __/__/__

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org//hmd 619-338-2222; 1-800-253-9933; Fax 619-338-2377

ENTERED NOV 05 2010

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF ___ DATE 10/13/10
PERMIT# 217875 BUS. CODE K16
TIME START 3:55 END 5:15
SPECIALIST C. MOSSE
INSPECTION CONTACT CLAUDIA ROSELL
TITLE CORP. SECTY.
PHONE (619) 469-1895

BUSINESS NAME BOB BOWEN'S AUTO SERVICE
ADDRESS 7191 ALVARADO RD.
CITY/ZIP LA MESA 91941

On the above date, the County inspected your business under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

Y*	N/A*	NOTE: **Reinspection fees will be charged if additional inspections are required to determine compliance.**	Y*	N/A*	
☒	☐	Unified Program Facility Permit current C/O			Permit Expires on: NEW
☒	☐	Hazardous Materials Business Plan available	☐	☐	Contingency Plan available ☐LQG ☒SQG
☒	☐	Employee training is adequate	☐	☒	Employee training records available
☐	☐	Waste disposal records available for review *	☒	☐	Universal waste managed properly
☐	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers ☒closed ☒labeled
☐	☐	Chemical inventory/map current ☐ Updated today	☒	☐	Waste containers in good condition

Consent to inspect granted by: ☐ Inspection Contact ☐ Other: CHANGE OF OWNERSHIP

A CHANGE OF OWNERSHIP HAS OCCURRED. PREVIOUS PERMIT WAS CURRENT THROUGH 11-30-10.
A U.P.F. PERMIT APPLICATION WAS COMPLETED & SUBMITTED TODAY.
THE HMBP WAS COMPLETED & THE SITE MAP SUBMITTED TODAY

THE NEW EPA I.D.# IS CAL000355851
NO CHANGE IN DISPOSAL COMPANY.
FLUORESCENT LIGHT TUBES DISPOSED BY A.E.S.
BRAKE GRINDING RECYCLED W/OTHER SCRAP METAL.
*NO DISPOSAL SINCE CHANGE OF OWNERSHIP

NO VIOLATIONS OBSERVED TODAY.

RECEIVED OCT 26 2010

☐ **This is an annual certification that the Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored.**

Initials of Business Representative

PRINTED NAME OF BUSINESS REPRESENTATIVE: CLAUDIA ROSELL
DATE SIGNED: 10/13/10
SIGNATURE OF BUSINESS REPRESENTATIVE: X Claudia A Rosell
TITLE OF BUSINESS REPRESENTATIVE: CORP. SECTY.

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (619) 338-2222 Toll Free: (800) 253-9933 http://www.sdcdeh.org

COUNTY OF SAN DIEGO CUPA
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 921129261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

____/____/____
Date Submitted

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID # 3 7 0 0 0 2 1 2 8 7 5 1 — EPA ID # (Hazardous Waste Only) 2: CAL000355851

BUSINESS NAME (Same as FACILITY NAME of DBADoing Business As) 3: BOB BOWENS AUTO SERVICE

BUSINESS SITE ADDRESS 103: 7191 ALVARADO RD.

BUSINESS SITE CITY 104: LA MESA | CA | ZIP CODE 105: 91941

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...		If Yes, please complete these pages of the UPCF....
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY–CHEMICAL DESCRIPTION
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	☐ YES ☒ NO 4a	Coordinate with your local agency responsible for CalARP.
C. UNDERGROUND STORAGE TANKS (USTs) Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY (Formerly SWRCB Form A) HM-9715 UST TANK (one page per tank-Formerly Form B) HM-9717
D. ABOVE GROUND PETROLEUM STORAGE Store greater than 1,320 gallons of petroleum products (new or used) in above ground tanks or containers?	☐ YES ☒ NO 8	NO FORM REQUIRED TO CUPAs
E. HAZARDOUS WASTE		
▪ Generate hazardous waste?	☒ YES ☐ NO 9	EPA ID NUMBER – provide at the top of page
▪ Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
▪ Treat hazardous waste on site?	☐ YES ☒ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit)
▪ Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE
▪ Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
▪ Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
▪ Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste?	☐ YES ☒ NO 14a	Obtain federal EPA ID Number, file Biennial Report (EPA Form 8700-13A/B), and satisfy requirements for RCRA Large Quantity Generator.
▪ Household Hazardous Waste (HHW) Collection site?	☐ YES ☒ NO 14b	See CUPA for required forms.

F. LOCAL REQUIREMENTS 15

▪ MEDICAL WASTE	
Generate <200 lbs/month of Medical/Biohazardous Waste?	☐ YES ☒ NO
Generate ≥200 lbs/month of Medical/Biohazardous Waste?	☐ YES ☒ NO
Generate ≥200 lbs/month of Medical/Biohazardous Waste and treat any amount of medical waste?	☐ YES ☒ NO
▪ Handle Toxic gases with threshold limit concentration (TLV) # 10 ppm in any quantity?	☐ YES ☒ NO

Business Activities

Submit the Business Activities page and the Business Owner/Operator Identification page for all submissions. NOTE: The numbering of the instructions follows the data element numbers that are on this form. These data element numbers are used for electronic submission and are the same as the numbering used in Division 3, Electronic Submittal of Information and the Business Section of the Unified Program Data Dictionary. Please number all pages of your submittal. This helps the San Diego County, Department of Environmental Health (DEH), Hazardous Materials Division (HMD) identify whether the submittal is complete and if any pages are separated.

1. FACILITY ID NUMBER- Enter the 6 character Permit # on your Unified Program Facility Permit (UPFP). If you do not have a Unified Program Facility Permit leave this blank.
2. EPA ID NUMBER- Enter your facility's 12-character U.S. EPA ID #. If you do not have a number, contact the Department of Toxic Substances Control (DTSC) at (800) - 61-TOXIC or (800) 618-6942, to obtain one.
3. BUSINESS NAME- Enter the full legal name of the business. This is the same as the terms "Facility Name" or "DBA" Doing Business As.

103. BUSINESS SITE ADDRESS- Enter the street address where the facility is located. No post office box numbers are allowed. This information must provide a means to geographically locate the facility.

104. BUSINESS SITE CITY- Enter the city or unincorporated area in which business site is located.

105. ZIP CODE- Enter the zip code of business site. Zip +4 may also be added.

4. HAZARDOUS MATERIALS ONSITE- Check the appropriate box to indicate whether you have a hazardous material onsite in the quantities listed in section A of this form. If "Yes", then you must then complete the Business Owner/Operator Identification page (DEH:HM-9702) and the Hazardous Materials Inventory - Chemical Description page (DEH:HM-9703), as well as a complete Hazardous Materials Business Plan (DEH:HM-952) and Hazardous Materials Business Plan Certification Statement (DEH:HM953).

4a. REGULATED SUBSTANCES– Refer to www.oes.ca.gov, hazardous materials, CalARP guidance documents for regulated substances required by 19 CCR 2770.5. Check the box to indicate whether your facility has CalARP regulated substances stored onsite.

5. OWN OR OPERATE UNDERGROUND STORAGE TANK (UST)- Check the appropriate box to indicate whether you own or operate (or plan to install or upgrade) USTs containing hazardous substances as defined in Health and Safety Code (HSC) Section 25316. If "YES," then you must complete one UST Facility page and UST Tank pages for each tank. You must also submit a monitoring program plan (See HMD handout DEH:HM-9222). If you are installing USTs, then you must complete the UST Installation- Certificate of Compliance page in addition to UST Facility and Tank pages, plot plan and monitoring program plan and the DEH instalation, upgrade permit applications. If you are closing an UST, complete the closure portion of the UST Tank pages for each tank. Submit a DEH closure application. Contact the HMD at (800) 253-9933.

8. OWN OR OPERATE ABOVEGROUND PETROLEUM STORAGE TANKS OR CONTAINERS- Check the appropriate box to indicate whether there is petroleum stored onsite which exceed the regulatory thresholds. Petroleum means crude oil, or any fraction thereof, which is liquid at 60 degrees Fahrenheit temperature and 14.7 pounds per square inch absolute pressure (HSC Section 25270.2 (g)).The facility must have a cumulative storage capacity greater than 1,320 gallons for all ASTs. NOT Subject to the Act (exemptions):
   An aboveground petroleum storage tank (AST) facility with one or more of the following (see HSC 25270.2 (k)) is not subject to this act and is exempt:
   - A pressure vessel or boiler which is subject to Division 5 of the Labor Code,
   - A storage tank containing hazardous waste if a hazardous waste facility permit has been issued for the storage tank by DTSC,
   - An aboveground oil production tank which is regulated by the Division of Oil and Gas,
   - Certain oil-filled electrical equipment including but not limited to transformers, circuit breakers, or capacitors.
9. HAZARDOUS WASTE GENERATOR- Check the appropriate box to indicate whether your facility generates hazardous waste. A generator is the person or business whose acts or processes produce a hazardous waste or who causes a hazardous substance or waste to become subject to state hazardous waste law. Hazardous waste means a waste that meets any of the criteria for the identification of a hazardous waste adopted by DTSC pursuant to HSC 25141. "Hazardous waste" includes, but is not limited to, federally regulated hazardous waste. Federal hazardous waste law is known as the Resource Conservation and Recovery Act (RCRA). Unless explicitly stated otherwise, the term "hazardous waste" also includes extremely hazardous waste and acutely hazardous waste.
10. RECYCLE - Check the appropriate box to indicate whether your facility recycles more than 100 kilograms per month of recyclable material under a claim that the material is excluded or exempt per HSC Section 25143.2. Check "YES" and complete the Recyclable Materials Report pages, if you either recycled onsite or recycled excluded recyclable materials which were generated offsite. Check "NO" if you only send recyclable materials to an offsite recycler. You do not need to report.
11. ONSITE HAZARDOUS WASTE TREATMENT- Check the appropriate box to indicate whether your facility engages in onsite treatment of hazardous waste. "Treatment" means any method, technique, or process which is designed to change the physical, chemical, or biological character or composition of an hazardous waste or any material contained therein, or removes or reduces its harmful properties or characteristics for any purpose. Please contact the HMD to determine if any exemptions apply to your facility. If your facility engages in onsite treatment of hazardous waste then complete the Onsite Hazardous Waste Treatment Notification- Facility page and one set of Onsite Hazardous Waste Treatment Notification- Unit pages with waste and treatment process information for each unit.
12. FINANCIAL ASSURANCE- Check the appropriate box to indicate whether your facility is subject to financial assurance requirements for closure of an onsite treatment unit. Unless they are exempt, Permit by Rule (PBR) and Conditionally Authorized (CA) operations are required to provide financial assurance for closure costs (per 22 CCR Section 67450.13 (b) and HSC Section 25245.4). If your facility is subject to financial assurance requirements or claiming an exemption, then complete the Certification of Financial Assurance page.
13. REMOTE WASTE CONSOLIDATION SITE- Check the appropriate box to indicate whether your facility consolidates hazardous waste generated at a remote site. Answer "YES" if you are a hazardous waste generator that collects hazardous waste initially at remote sites and subsequently transports the hazardous waste to a consolidation site you also operate. You must be eligible pursuant to the conditions in HSC Section 25110.10. If your facility consolidates hazardous waste generated at a remote site, then complete the Remote Waste Consolidation Site Annual Notification page.
14. HAZARDOUS WASTE TANK CLOSURE- Check the appropriate box to indicate whether the tank being closed would be classified as hazardous waste after its contents are removed. Classification could be based on:
   –Your knowledge of the tank and its contents
   –Testing of the tank
   –Inability to remove hazardous materials stored in the tank.
   –The mixture rule
   –The listed wastes in 40 CFR 261.31 or 40 CFR 261.32.

   If the tank being closed would be classified as hazardous waste after its contents are removed, then you must complete the Hazardous Waste Tank Closure Certification page.

14a. RCRA LQG - Check the appropriate box to indicate whether your facility is a Large Quantity Generator. If YES, you must have obtain a US EPA ID Number.

14b. HOUSEHOLD HAZARDOUS WASTE COLLECTION- Check the appropriate box to indicate whether your facility is a HHW Collection site.

15. LOCAL REQUIREMENTS- If you generate ≥200 lbs on medical waste per month and treat any amount of medical waste on site you may be required to apply for a medical waste treatment permit with the HMD. TOXIC GASES: If you handle toxic gases with threshold limit concentration (TLV) ≤10 ppm in any quantity, you are required to obtain a Health Permit and submit an HMD Hazardous Materials Business Plan

UPF Permit#: 217875

DATE INSPECTED: 10 / 13 / 10

UNIFIED PROGRAM FACILITY PERMIT APPLICATION

☑ This business or service is required to obtain a Unified Program Facility Permit from the San Diego County Department of Environmental Health. I answered "yes" to one or more of the questions on the "Business Activities" form.

Date assumed business ownership at this location: 09 / 01 / 10

This permit does not excuse any owner or operator from complying with all applicable federal, state, county or local laws, ordinances or regulations. The owner or operator is required to determine if another permit or approval from any other agency or department is necessary. The County, by issuing this permit, does not relinquish its right to enforce any violation of law.

☐ I have determined that this business or service does not require a Unified Program Facility Permit from the San Diego County Department of Environmental Health.

I declare under penalty of perjury that to the best of my knowledge and belief the statements made herein are correct and true. I consent to all necessary inspections allowed by law and incidental to the issuance of required permit(s) and the operation of this business.

Signature: Claudia L Rosell

Title: CORP. SECTY.

Printed Name: CLAUDIA ROSELL

Date: 10 / 13 / 10

Type of Business: AUTO REPAIR

Phone #: (619) 466-1895

Please complete the business information on the following page and return this application to the San Diego County Department of Environmental Health at:

SAN DIEGO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261
SAN DIEGO CA 92112-9261

If a San Diego County Unified Program Facility Permit is required for your business or service a representative of this Department will contact your business. Permit fees will be determined from the contact and a billing statement will be mailed.

NOTE: If you do not use hazardous materials, generate hazardous waste, or have underground storage tanks you are still required to return this form.

A representative of the San Diego County Department of Environmental Health may contact you to verify the information provided on this application.

COUNTY OF SAN DIEGO CUPA
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

BUSINESS OWNER/OPERATOR IDENTIFICATION

I. IDENTIFICATION

FACILITY ID # 37 0000 21285 1	BEGINNING DATE 100 / /	ENDING DATE 101 / /	
BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3: BOB BOWEN'S AUTO SERVICE	BUSINESS PHONE 102: (619) 469-1895		
BUSINESS SITE ADDRESS 103: 7191 ALVARADO RD.	BUSINESS FAX 102a: ( )		
BUSINESS SITE CITY 104: LA MESA	CA	ZIP CODE 105: 91941	COUNTY 108: SD
DUN & BRADSTREET 106: —	PRIMARY SIC 107: —	PRIMARY NAICS 107a: —	
BUSINESS MAILING ADDRESS 108a: SAME			
BUSINESS MAILING CITY 108b	STATE 108c	ZIP CODE 108d	
BUSINESS OPERATOR NAME 109: ROB ROSELL	BUSINESS OPERATOR PHONE 110: (619) 469-1895		

II. BUSINESS OWNER

OWNER NAME 111: ACHIEVING THE DREAM, INC.	OWNER PHONE 112: ( )
OWNER MAILING ADDRESS 113:	
CITY 114	STATE 115 / ZIP CODE 116

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117:	CONTACT PHONE 118: ( )
CONTACT MAILING ADDRESS 119:	CONTACT EMAIL* 119a:
CITY 120	STATE 121 / ZIP CODE 122

IV. EMERGENCY CONTACTS

–PRIMARY–	–SECONDARY–
NAME 123: ROB ROSELL	NAME 128: CLAUDIA ROSELL
TITLE 124: PRES.	TITLE 129: SECTY.
BUSINESS PHONE 125: (619) 469-1895	BUSINESS PHONE 130: (619) 469-1895
24-HOUR PHONE* 126:	24-HOUR PHONE* 131:
PAGER # 127: ( )	PAGER # 132: ( )
ADDITIONAL LOCALLY COLLECTED INFORMATION:	
E-MAIL: *	E-MAIL: *

*This information will remain confidential.

ALWAYS SUBMIT A COPY OF THIS COMPLETED PAGE WITH SUBMITTAL OF ANY OTHER UNIFIED PROGRAM CONSOLIDATED FORM.

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 complet

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE: Claudia D Rosell	DATE 134: 10/13/10	NAME OF DOCUMENT PREPARER 135:
NAME OF SIGNER (print) 136: CLAUDIA ROSELL	TITLE OF SIGNER 137: CORP. SECTY.	

Business Owner/Operator Identification

Please submit the Business Activities page, the Business Owner/Operator Identification page, and Hazardous Materials - Chemical Description pages for all hazardous materials inventory submissions. For the inventory to be considered complete this page must be signed by the appropriate individual. (Note: the numbering of the instructions follows the data element numbers that are on the Unified Program Consolidated Form (UPCF) pages. These data element numbers are used for electronic submission and are the same as the numbering used in Division 3, Electronic Submittal of Information.) Please number all pages of your submittal. This helps your CUPA or AA identify whether the submittal is complete and if any pages are separated.

ALWAYS SUBMIT A COPY OF THIS COMPLETED PAGE WITH SUBMITTAL OF ANY OTHER UNIFIED PROGRAM CONSOLIDATED FORM.

1. FACILITY ID NUMBER - Enter your 6 character Permit # on your Unified Program Facility Permit (UPFP). If you do not have a Unified Program Facility Permit, leave this blank.
3. BUSINESS NAME - Enter the full legal name of the business. This is the same as the terms "Facility Name" or "DBA" - Doing Business As.
100. BEGINNING DATE - Enter the beginning year and date (YYYYMMDD) of the inventory report, recyclable materials report, or on-site tiered permitting report for PBR sites.
101. ENDING DATE - Enter the ending year and date (YYYYMMDD) of the reports identified in #100.
102. BUSINESS PHONE - Enter the phone number, area code first, and any extension.
102a. BUSINESS FAX – Enter the business fax number, area code first.
103. BUSINESS SITE ADDRESS - Enter the street address where the facility is located. No post office box numbers are allowed. This information must provide a means to geographically locate the facility If the mailing address is different, complete #108a- #108d.
104. CITY - Enter the city or unincorporated area in which business site is located.
105. ZIP CODE - Enter the zip code of business site. The zip + 4 may also be added.
106. DUN & BRADSTREET - Enter the Dun & Bradstreet number for the facility If you do not have one, leave this field blank.
107. PRIMARY SIC NUMBER - Enter the primary Standard Industrial Classification system number for primary business activity. Required for EPCRA. NOTE: If code is more than 4 digits, report only the first four
107a. PRIMARY NAICS NUMBER - Enter the primary North American Industrial Classification System number
108. COUNTY - Enter the county in which the business site is located.
108a. BUSINESS MAILING ADDRESS – Enter the mailing address to be used for all oficial business correspondence. This mailing address must be filled in.
108b. BUSINESS MAILING CITY - Enter the name of the city for the business mailing address.
108c. STATE - Enter the two character abbreviation of the state for the business mailing address.
108d. ZIP CODE - Enter the zip code for the business mailing address. The zip + 4 may also be added.
109. BUSINESS OPERATOR NAME - Enter the name of the business operator which is the name used for mailing correspondence.
110. BUSINESS OPERATOR PHONE - Enter business operator phone number, if different from business phone, area code first, and any extension.
111. BUSINESS OWNER NAME - Enter name of business owner, if different from business operator.
112. BUSINESS OWNER PHONE - Enter the business owner's phone number if diferent from business phone, area code first, and any extension.
113. BUSINESS OWNER MAILING ADDRESS - Enter the owner's mailing address where business related correspondence should be sent, if different from business site address.
114. BUSINESS OWNER CITY - Enter the name of the city for the owner's mailing address.
115. BUSINESS OWNER STATE - Enter the 2 character state abbreviation for the owner's mailing address.
116. BUSINESS OWNER ZIP CODE - Enter the zip code for the owner's address. The zip + 4 may also be added.
117. ENVIRONMENTAL CONTACT NAME - Enter the name of the person who receives all environmental correspondence.
118. CONTACT PHONE - Enter the phone number at which the environmental contact area code first, and any extension.
119. CONTACT MAILING ADDRESS - Enter the mailing address where all environmental contact correspondence should be sent.
119a. CONTACT EMAIL – Enter the email address of the environmental contact in 117, if the contact has one.
120. CONTACT MAILING CITY - Enter the name of the city for the environmental contact's mailing address.
121. STATE - Enter the 2 character state abbreviation for the environmental contact's mailing address.
122. ZIP CODE - Enter the zip code for the environmental contact's mailing address. The zip + 4 may also be added.
123. PRIMARY EMERGENCY CONTACT NAME - Enter the name of a representative that can be contacted in case of an emergency involving hazardous materials at the business site. The contact shall have FULL facility access, site familiarity and authority to make decisions for the business regarding incident mitigation.
124. TITLE - Enter the title of the primary emergency contact.
125. BUSINESS PHONE - Enter the business number for the primary emergency contact, area code first, and any extension.
126. 24-HOUR PHONE - Enter a 24-hour phone number for the primary emergency contact. The 24-hour phone number must be one which is answered 24 hours a day. If it is not the contact's home phone number, then the service answering the phone must be able to immediately contact the individual stated above.
127. PAGER NUMBER - Enter the pager number for the primary emergency contact, if available.
128. SECONDARY EMERGENCY CONTACT NAME - Enter the name of a secondary representative that can be contacted in the event that the primary emergency contact is not available. The contact shall have FULL facility access, site familiarity, and authority to make decisions for the business regarding incident mitigation.
129. TITLE - Enter the title of the secondary emergency contact.
130. BUSINESS PHONE - Enter the business telephone number for the secondary emergency contact, area code first, and any extension.
131. 24-HOUR PHONE - Enter a 24-hour phone number for the secondary emergency contact. The 24-hour phone number must be one that is answered 24 hours a day. If it is not the contact's home phone number, then the service answering the phone must be able to immediately contact the individual stated above.
132. PAGER NUMBER - Enter the pager number for the secondary emergency contact, if available.
133. ADDITIONAL LOCALLY COLLECTED INFORMATION - This space may be used for CUPAs or AAs to collect any additional information necessary to meet the requirements of their individual programs. Contact your local agency for guidance.
134. DATE - Enter the date that the document was signed. (YYYYMMDD)
135. NAME OF DOCUMENT PREPARER - Enter the full name of the person who prepared the inventory submittal information.
136. NAME OF SIGNER - Enter the full printed name of the person signing the page. The signer certifies to a familiarity with the information submitted and that based on the signer's inquiry of those individuals responsible for obtaining the information, all the information submitted is true, accurate and complete.

SIGNATURE OF OWNER/ OPERATOR OR DESIGNATED REPRESENTATIVE - The Business Owner/Operator, or officially designated representative of the Owner/Operator, shall sign in the space provided. This signature certifies that the signer is familiar with the information submitted and that based on the signer's inquiry of those individuals responsible for obtaining the information it is the Signer's belief that the submitted information is true, accurate and complete.

137. TITLE OF SIGNER - Enter the title of the person signing the page.

County of San Diego CUPA
Department of Environmental Health Hazardous Materials Division

File

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

PERMIT #: 212875
SPECIALIST: Mike Smith
INSPECTION DATE: 3 / 5 / 12
CONTACT: Jeremy Sanchez

FACILITY NAME Bob Bowen's Auto Service

ADDRESS 7191 Alvarado Rd. CITY La Mesa ZIP 91941

VIOL #	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach any supporting documentation.)
1 V	4/2/12	A copy of the HMBP was submitted to HMD (Attn: Mike Smith)
2 V	/ /	
3 V	/ /	
4 V	/ /	
5 V	/ /	
6 V	/ /	
7 V	/ /	
8 V	/ /	
9 V	/ /	
10 V	/ /	

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

Responsible Party: Claudia Bowen (Print Name) **Job Title** Officer

Signature of Responsible Party: Claudia Bowen **Date:** 4/2/12

≪ Send completed form and supporting documentation to the address listed below ≫

COUNTY OF SAN DIEGO USE ONLY: Reviewed by: [signature] **Date:** 5/2/12
(Specialist's name and date required for processing)

Specialist's comments:

☐ All violations noted on date listed above were corrected.
☐ Based on information provided by the facility
☐ Based on field verification by Specialist

☑ RTC entered in Kiva by Specialist on: 5/2/12 ☐ RTC entered in Kiva by Office Assistant on: / /

VLS

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH-CUPA
HAZARDOUS MATERIALS DIVISION

P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(858) 505-6880 FAX (858) 505-6848

HAZARDOUS MATERIALS BUSINESS PLAN CERTIFICATION

The California Health & Safety Code (H&SC), Division 20, Chapter 6.95, Section 25505 provides for the following:
The County of San Diego, Department of Environmental Health, Hazardous Materials Division (HMD), as the administering agency, requires a business that handles hazardous materials to submit the hazardous materials inventory, a list of emergency contacts, and a site plan, **in lieu of a complete Hazardous Materials Business Plan (HMBP),** only after the initial submittal of a complete HMBP. A complete HMBP includes the items to be submitted to the HMD and an Emergency Response Plan and Employee Training Plan, as established in H&SC Section 25504. The business must annually certify that a complete HMBP has been prepared, is current and is maintained at the site where the hazardous materials are stored. See *Back* for instructions and further clarification

I. IDENTIFICATION

FACILITY ID# 3 7 0 0 0 2 1 2 8 7 5

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 103
Bob Bowen's Auto Service

BUSINESS SITE ADDRESS 103
7191 Alvarado Rd

CITY 104 La Mesa | CA | ZIP CODE 105 91942

II. CERTIFICATION STATEMENT

☐ **CARCINOGEN/REPRODUCTIVE TOXIN ANNUAL RENEWAL WITHOUT CHANGES: This is an annual renewal to certify that the list of carcinogens and/or reproductive toxins last provided is a current list as specified in the San Diego County Code of Regulatory Ordinances Section 68.1113.**

Check only ONE of the following boxes:

☐ **INITIAL CERTIFICATION: This is to certify (H&SC Section 25505(e)(1)) that a complete HMBP, which includes the hazardous materials inventory, a list of emergency contacts, a site plan, emergency response plan, and employee training plan, has been prepared and is maintained at the site where the hazardous materials are stored.**

☒ **ANNUAL CERTIFICATION WITHOUT CHANGES: This is an annual certification (H&SC Section 25505(d) & (e)(2)) that the HMBP, which includes the hazardous materials inventory, a list of emergency contacts, a site plan, emergency response plan, and employee training plan, is current and includes all the information required in H&SC Section 25504, and 25509, and is maintained at the site where the hazardous materials are stored.**

☐ **CERTIFICATION OF CHANGES/REVISIONS: This is to certify that the HMBP has been reviewed (H&SC Section 25505(c) & 25510) and all necessary changes/revisions have been made. The HMBP is current and is maintained at the site where the hazardous materials are stored. Attached are changes to the hazardous materials inventory and/or list of emergency contacts. For site map revisions, submit only the pages that have a change or revision and attach to this certification. This submittal satisfies annual certification requirements specified in H&SC Section 25505(d) & (e)(2).**

As an Authorized Representative, I certify, under the penalty of law, that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete. By checking any of the boxes above I also certify that: a) The information contained in the hazardous materials inventory most recently submitted to the CUPA or Administering Agency is complete, accurate, and up to date; b) There has been no change in the quantity of hazardous materials reported in the most recently submitted inventory; and c) All hazardous materials subject to inventory requirements are listed on the most recently submitted inventory.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE
R Bowen, 2d	4/2/12
NAME OF SIGNER (print)	TITLE OF SIGNER
Rob Bowen, 3rd	Officer

DEFICIENCY

INSTRUCTIONS TO CLERICAL STAFF FOR HMBP ACCEPTANCE

☐ Site Map ____/____/____
☐ *Emergency Contacts ____/____/____
☐ *Chemical Inventory ____/____/____

*Note: Indicate the date that the inventory and/or ER contact information in the KIVA database was reviewed and changes were submitted for processing. If the inventory and ER contact information are exactly the same as it is recorded in KIVA, no changes need to be submitted.

Hazardous Materials Business Plan acceptance date will be changed to the acceptance date on new site map.
A letter will be mailed to business after processing of site map updates.

CLOSE

HIRT SITE ☐**
FIRE DIST.____

Specialist's Signature: (only required for new plans or for changes to site maps, chemical inventory and/or emergency contacts)

REMARKS:

** If HIRT box is checked, follow HIRT policy to indicate on the inventory forms which hazardous materials make this a HIRT site.

ENTERED APR 03 2012 JM

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 2 DATE 3/5/12
PERMIT# 212875 BUS. CODE K26
TIME START 10:00 END 11:15
SPECIALIST Mike Smith
INSPECTION CONTACT Jeremy Sanchez
TITLE Service Manager
PHONE (619) 469-1895

FACILITY NAME Bob Bowen's Auto Service
ADDRESS 7191 Alvarado Rd.
CITY/ZIP La Mesa 91941

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y*	N/A*		Y*	N/A*	
☑	☐	Unified Program Facility Permit current			Permit Expires on: 1/31/12
☐	☐	Hazardous Materials Business Plan available	☐	☐	Contingency Plan available ☐LQG ☐SQG
☑	☐	Employee training is adequate	☐	☐	Employee training records available
☑	☐	Waste disposal records available for review	☑	☐	Universal waste managed properly
☑	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers ☐ closed ☑ labeled
☑	☐	Chemical inventory/map current ☐ Updated today	☑	☐	Waste containers in good condition

Consent to inspect granted by: ☑ Inspection Contact ☐ Other:

Routine Inspection

Conducted routine inspection with store manager, Jeremy Sanchez. Observed one drum of drained used oil filters without a lid. Lid was placed on the drum during inspection. Observed three drums for waste oil storage without bung caps. Caps were placed on drums during inspection.

RECEIVED MAR 16 2012

Violations

1. Observation: Hazardous Materials Business Plan is incomplete.
Violation (V1014): HMBP is incomplete.
Corrective Action: Complete the HMBP packet by 04/04/12. The following forms are included in the HMBP packet: Business Activities, Business Owner/Operator, Hazardous Materials/Wastes inventory, Contingency Plan & Employee Training. Maintain HMBP onsite when complete.
- Also complete & submit the annual certification form with the Hazardous Materials Business Plan.

☐ This is an annual certification that the Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is current and includes all the information required in the H&SC and is maintained at the site where hazardous materials are stored. | Initials of Facility Representative

PRINTED NAME OF FACILITY REPRESENTATIVE: Jeremy Sanchez
DATE SIGNED: 03/05/12
SIGNATURE OF FACILITY REPRESENTATIVE: X
TITLE OF FACILITY REPRESENTATIVE: Service Manager

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Small and Large Quantity Generators of Hazardous Waste
Handlers of Hazardous Materials

PERMIT # 212875
DATE 3 / 5 / 12
PAGE 2 OF 2

FACILITY ADDRESS: 7191 Alvarado Road, La Mesa **ZIP:** 91941

VIOLATION REPORT. The items checked below refer to specific section numbers of Titles 19, 22 & 27 of the California Code of Regulations (CCR), Chapters 6.5, 6.67 & 6.95 of the Health and Safety Code, and/or the San Diego County Code (SDCC). Small Quantity Hazardous Waste Generator=(SQG); Large Hazardous Waste Quantity Generator=(LQG); Code 40 of Federal Regulations=(CFR).
All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Your Specialist can provide this form. Please call (858) 505-6880 or your Specialist if you have any questions.

HAZARDOUS MATERIALS REQUIREMENTS

Viol #	V		VIOLATION DESCRIPTION
	☐	1001	UPF permit not obtained for hazardous materials. SDCC 68.905
	☐	1002	Hazardous Materials Business Plan (HMBP) not established/ implemented. 25503.5(a)
	☐	1004	HMBP not submitted to the CUPA. 25505(a)
	☐	1005	Emergency contact not provided or current. 25509(a)(7)
	☐	1007	Highly toxic gas (TLV≤10 ppm) not disclosed. 68.1113(b)
	☐	1008	Did not submit annual carcinogen/reproductive toxin list. 68.1113(c)
	☐	1009	Site map is not sufficient or complete. 25509(a)(5) & 25505(a)(2)
	☐	1010	Did not report release or threatened release. 25507(a), 19 CCR 2703
	☐	1012	SPCC Plan not prepared. 25270.3 & 25270.4.5(a)
	☐	1013	Copy of HMBP not onsite for inspector's review. 25505(e)
1.	☑	1014	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
	☐	1015	Did not have adequate employee training program 2732 &/or 25504(c)
	☐	1016	Failed to have an adequate emergency response plan 25504(b); 2731
	☐	1017	Business Plan not certified annually. 25505(d) & (e)(2)
	☐	1018	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
	☐	1019	SPCC Plan amendment not prepared within 6 months of change. 25270.4.5(a) [ref. CFR 112.1(b) & CFR 112.5]
	☐	1020	Failed to submit Unified Program Consolidated Form(s) to the CUPA for regulated activity or change of information. 27 CCR 15400.1(b) &/or SDCC 68.906; 68.909; &/or 68.908.2

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

RECORDKEEPING

	☐	0131	Unified Program Facility (UPF) permit not obtained. SDCC 68.905
	☐	0132	Failed to obtain & maintain a valid EPA ID Number. 66262.12(a)
	☐	0133	Failed to send manifest copy to DTSC. 66262.23(a)(4)
	☐	0134	Failed to file Exception Report with DTSC. 66262.42
	☐	0135	Failed to keep hazardous waste manifests/receipts for 3 years available for inspection. 66262.40(a) & 25160.2(b)(3), 25185(a)(4)
	☐	0136	Did not have records of battery disposal. 66266.81(a)(4)(B)
	☐	0137	Failed to complete manifest properly. 66262.23(a)
	☐	0138	Manifest signed by the TSDF not available for inspection. 66262.40(a)
	☐	0140	Failed to have LDR documentation onsite. 66268.7(a)(8)
	☐	0141	Failed to obtain approval for TSDF. 25201(a)
	☐	0142	Failed to notify CUPA for eligible onsite treatment. 25201(a)
	☐	0145	ERM reporting not submitted biennially &/or available. 25143.10
	☐	0146	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
	☐	0147	Failed to keep records of offsite universal waste (UW) shipment(s) available for inspection for 3 years. 66273.39(c) & (d)(2); 25185(a)(4)
	☐	0148	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
	☐	0149	Failed to keep disposal receipts (3 years) for drained used oil filters &/or drained fuel filters. 25250.22 & 66266.130(c)(5)

DISPOSAL AND TRANSPORTATION

	☐	0301	Unauthorized disposal of hazardous waste. 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0302	Unlawful transportation of hazardous waste (HW). 25163(a)
	☐	0303	Did not use HW manifest for disposal. 66262.20(a); 25160(b)(1) or (2), 25160.2(b)(9)
	☐	0304	Failed to make a proper waste determination. 66262.11 & 66260.200(c)
	☐	0305	Disposed of used oil illegally. 25250.5(a) & 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0306	Disposed of latex paint illegally. 25217.1
	☐	0307	Disposed of UW to an unauthorized point. 25189.5(a) or 25189(c) or (d) or 25189.2(c); 66273.31(a)
	☐	0308	Impermissible dilution of hazardous waste. 66268.3(a)

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

Viol #	V		VIOLATION DESCRIPTION

STORAGE AND HANDLING

	☐	0214	Used oil intentionally contaminated with HW. 25250.7(a)
	☐	0215	Used oil filters improperly managed. 66266.130
	☐	0216	Failed to label hazardous materials within 10 days or less. 25124(b)(3)(A) & 66262.34(f)
	☐	0217	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
	☐	0218	Failed to label &/or close drained ☐ used oil filters &/or ☐ used fuel filters. 25250.22 & 66266.130(c)(3)
	☐	0219	Failed to properly segregate used oil &/or fuel drained from filters. 66266.130(c)(6) or 25250.22(b)(4)
	☐	0220	Spent lead acid batteries not properly managed. 66266.81
	☐	0221	Failed to comply with satellite regulations. 66262.34(e)
	☐	0222	Failed to properly label ERM. 25143.9(a)
	☐	0223	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7(b), (d) &/or (r)
	☐	0224	Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 66261.7(e) & (f)
	☐	0237	Failed to properly dispose of UW within one year. 66273.35(a) &/or (b)
	☐	0238	Failed to manage UW in a manner to prevent release(s) to the environment. 66273.33 & 66273.33.5
	☐	0239	Failed to properly label or mark UW (non-CESQUWG). 66273.34

HAZWASTE REQUIREMENTS FOR SQGs ONLY

STORAGE AND HANDLING Pursuant to 66262.34(d)

	☐	0225	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e) & (f), &/or 25201(a) [>90 days for an AHW waste]
	☐	0226	Did not accumulate waste in container or tank. 66262.34(d)(2)
	☐	0227	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
	☐	0228	Failed to keep container closed. CFR 265.173
	☐	0229	Failed to conduct weekly inspections. CFR 265.174
	☐	0230	Failed to maintain aisle space. CFR 265.35
	☐	0231	Failed to properly separate incompatible wastes. CFR 265.177
	☐	0232	Waste accumulated in a container in poor condition. CFR 265.171
	☐	0233	Failed to use a lined/compatible container. CFR 265.172
	☐	0234	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31

TRAINING, CONTINGENCY PLAN & ER PROCEDURES Pursuant to 66262.34(d)(2)

	☐	0407	Employee training program not adequate. CFR 262.34(d)(5)(iii)
	☐	0408	Failed to post ER plan by phone. CFR 262.34(d)(5)(ii)
	☐	0409	Spill/fire control equip not available. CFR 265.32(c)
	☐	0410	Failed to equip facility with internal communication or alarm. CFR 265.32(a) & (b)
	☐	0411	Failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
	☐	0412	Failed to have an emergency coordinator on call or available during emergency. CFR 262.34(d)(5)(i)

HAZARDOUS WASTE TANK SYSTEMS Pursuant to 66262.34(d)(2)

	☐	1612	Hazardous waste improperly stored in a tank system causing ☐ leaks, ☐ corrosion, or ☐ failure. CFR 265.201(b)(2)
	☐	1613	Failed to comply with tank standards which include: two (2) feet of freeboard (where applicable), shut off for waste feed line, and daily and weekly inspections. CFR 265.201(b) & (c)
	☐	1614	Failed to properly complete &/or document closure for a hazardous waste tank. CFR 265.201(d) & 67383.3
	☐	1615	Failed to safely accumulate ignitable or reactive waste in a tank. CFR 265.201(e)
	☐	1616	Failed to safely manage incompatible waste in a tank. CFR 265.201(f)

SIGNATURE OF FACILITY REPRESENTATIVE

03/05/12
DATE SIGNED

SERVICE MGR.
TITLE OF FACILITY REPRESENTATIVE

DEH 2010 - HUPFP - 212875

COUNTY OF SAN DIEGO CUPA
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
PHONE: (858) 505-6700; FAX: (858) 505-6848; Email: hmdutyeh@sdcounty.ca.gov

CERS ACCESS/I.D. REQUEST FORM

All Certified Unified Program Agency (CUPA) regulated businesses are required by law (Assembly Bill 2286) to submit business information electronically through the California Environmental Reporting System (CERS). This includes information related to your:

- Unified Program Facility Permit
- Hazardous Materials Business Plan
- Hazardous Waste
- Hazardous Waste Onsite Treatment
- Hazardous Waste Tank Closures
- Remote Waste Consolidation
- Recyclable Materials Reports
- Underground Storage Tanks
- Aboveground petroleum storage over 1,320 gallons
- Medical Waste**

A CERS I.D. is required in order to obtain or maintain a valid Unified Program Facility Permit. Please send your completed form to the County of San Diego Hazardous Materials Division (address above). When your CERS account is established, your designated lead users will receive an email with directions to begin electronic reporting.

** In San Diego County, Medical Waste Generators are required to report in CERS in order to receive a valid permit.

I. IDENTIFICATION

- ☐ **Change of Owner**: a business is sold to a new owner.
- ☐ **Relocation**: a business moves to a new address and owner remains the same.
- ☐ **New Business**: a business opens in a vacant or newly constructed building.
- ☒ **CERS Assistance Requested**: none of the above are applicable. I need access to my CERS account.

PERMIT/RECORD NUMBER: 37-000-212875

CERS ID NUMBER: 10360678

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As)*: Bob Bowen's Auto Service

BUSINESS PHONE*: 6194691895

SITE ADDRESS*: 7191 Alvarado Rd

SUITE NUMBER*:

CITY*: La Mesa | CA | ZIP CODE*: 91942

BUSINESS OWNER FIRST AND LAST NAME or CORPORATE NAME*: Achieving the Dream, Inc

BUSINESS OWNER PHONE: Same

II. PREVIOUS ADDRESS (IF APPLICABLE)

PREVIOUS SITE ADDRESS:

PREVIOUS PERMIT/RECORD NUMBER:

PREVIOUS CITY: | CA | PREVIOUS ZIP CODE:

III. CERS LEAD USERS

–PRIMARY–	–SECONDARY–
NAME*: Claudia Rowsell	NAME:
TITLE*: Secretary	TITLE:
BUSINESS PHONE: 6194691895	BUSINESS PHONE:
E-MAIL:*: Claudiarowsell@gmail.com	E-MAIL:

*Required

I authorize the Hazardous Materials Division to create my CERS ID. I understand that I am responsible for completing and maintaining my facility information in CERS as required by law. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this form and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER OR OPERATOR*: Claudia S Rowsell

DATE*: 3/17/14 RECEIVED APR 1 2014

NAME OF SIGNER (print)*: Claudia S Rowsell

TITLE OF SIGNER*: Secretary

OFFICE USE ONLY

Transfer past submittals? no ☐ yes ☐ HUPFP #:

PLAN CHECK: no ☐ yes ☐ HHMBP #:

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Small and Large Quantity Generators of Hazardous Waste
Handlers of Hazardous Materials

RECORD ID # 212875
DATE 4 / 29 / 15
PAGE 6 OF 6

FACILITY ADDRESS: 7191 Alvarado Rd **ZIP:** 91942

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19, 22 & 27 of the California Code of Regulations (CCR), Chapters 6.5, 6.67 & 6.95 of the Health and Safety Code, and/or the San Diego County Code (SDCC). Small Quantity Hazardous Waste Generator=(SQG); Large Hazardous Waste Quantity Generator=(LQG); Code 40 of Federal Regulations=(CFR).
All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Your Specialist can provide this form. Please call (858) 505-6880 or your Specialist if you have any questions.

HAZARDOUS MATERIALS REQUIREMENTS

Viol #	V		VIOLATION DESCRIPTION
	☐	1001	UPF permit not obtained for hazardous materials. SDCC 68.905
	☐	1002	Hazardous Materials Business Plan (HMBP) not established/ implemented in CERS. 25507
11	☐	1004	HMBP not submitted to the CUPA in CERS. 25508
	☐	1005	Emergency contact not provided or current. 25506(a)(7) &/or 25508.1(f)
	☐	1007	Highly toxic gas (TLV≤10 ppm) not disclosed. 68.1113(b)
	☐	1008	Did not submit annual carcinogen/reproductive toxin list. 68.1113(c)
	☐	1009	Site map is not sufficient or complete. 25505(a)(2)
	☐	1010	Did not report release or threatened release. 25510, 19 CCR 2703
	☐	1012	SPCC Plan not prepared. 25270.3 & 25270.4.5(a)
	☐	1014	HMBP is incomplete/inadequate/not amended to reflect changes. 25505, 25506, 25508, 25508.1 &/or 19 CCR 2729 & 2729.1
9	☐	1015	Did not have adequate employee training program 2732 &/or 25505(a)(4)
	☐	1016	Failed to have an adequate emergency response plan 25505(a)(3); 2731
10	☐	1017	Business Plan not certified in CERS at least once every 12 months. 25508.2
	☐	1018	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25508.1
	☐	1019	SPCC Plan amendment not prepared within 6 months of change. 25270.4.5(a) [ref. CFR 112.1(b) & CFR 112.5]
	☐	1020	Failed to submit Unified Program Facility information in CERS to the CUPA for regulated activity or change of information. HSC 25508(a)(1), 25508.1 &/or SDCC 68.906; 68.909; &/or 68.908.2

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

RECORDKEEPING

	☐	0131	Unified Program Facility (UPF) permit not obtained. SDCC 68.905
	☐	0132	Failed to obtain & maintain a valid EPA ID Number. 66262.12(a)
	☐	0133	Failed to send manifest copy to DTSC. 66262.23(a)(4)
	☐	0134	Failed to file Exception Report with DTSC. 66262.42
	☐	0135	Failed to keep hazardous waste manifests/receipts for 3 years available for inspection. 66262.40(a) & 25160.2(b)(3), 25185(a)(4)
	☐	0136	Did not have records of battery disposal. 66266.81(a)(4)(B)
	☐	0137	Failed to complete manifest properly. 66262.23(a)
	☐	0138	Manifest signed by the TSDF not available for inspection. 66262.40(a)
	☐	0140	Failed to have LDR documentation onsite. 66268.7(a)(8)
	☐	0141	Failed to obtain approval for TSDF. 25201(a)
	☐	0142	Failed to notify CUPA for eligible onsite treatment. 25201(a)
	☐	0145	ERM reporting not submitted biennially &/or available. 25143.10
	☐	0146	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
	☐	0147	Failed to keep records of offsite universal waste (UW) shipment(s) available for inspection for 3 years. 66273.39(c) & (d)(2); 25185(a)(4)
	☐	0148	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
	☐	0149	Failed to keep disposal receipts (3 years) for drained used oil filters &/or drained fuel filters. 25250.22 & 66266.130(c)(5)

DISPOSAL AND TRANSPORTATION

1	☐	0301	Unauthorized disposal of hazardous waste. 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0302	Unlawful transportation of hazardous waste (HW). 25163(a)
	☐	0303	Did not use HW manifest for disposal. 66262.20(a); 25160(b)(1) or (2), 25160.2(b)(9)
2	☐	0304	Failed to make a proper waste determination. 66262.11 & 66260.200(c)
	☐	0305	Disposed of used oil illegally. 25250.5(a) & 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0306	Disposed of latex paint illegally. 25217.1
	☐	0307	Disposed of UW to an unauthorized point. 25189.5(a) or 25189(c) or (d) or 25189.2(c); 66273.31(a)
	☐	0308	Impermissible dilution of hazardous waste. 66268.3(a)

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

Viol #	V		VIOLATION DESCRIPTION
STORAGE AND HANDLING			
	☐	0214	Used oil intentionally contaminated with HW. 25250.7(a)
	☐	0215	Used oil filters improperly managed. 66266.130
	☐	0216	Failed to label hazardous materials within 10 days or less. 25124(b)(3)(A) & 66262.34(f)
	☐	0217	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
4	☐	0218	Failed to label &/or close drained ☐ used oil filters &/or ☐ used fuel filters. 25250.22 & 66266.130(c)(3)
	☐	0219	Failed to properly segregate used oil &/or fuel drained from filters. 66266.130(c)(6) or 25250.22(b)(4)
	☐	0220	Spent lead acid batteries not properly managed. 66266.81
	☐	0221	Failed to comply with satellite regulations. 66262.34(e)
	☐	0222	Failed to properly label ERM. 25143.9(a)
	☐	0223	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7(b), (d) &/or (r)
	☐	0224	Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 66261.7(e) & (f)
	☐	0237	Failed to properly dispose of UW within one year. 66273.35(a) &/or (b)
	☐	0238	Failed to manage UW in a manner to prevent release(s) to the environment. 66273.33 & 66273.33.5
	☐	0239	Failed to properly label or mark UW (non-CESQUWG). 66273.34

HAZWASTE REQUIREMENTS FOR SQGs ONLY

STORAGE AND HANDLING Pursuant to 66262.34(d)

	☐	0225	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e) & (f), &/or 25201(a) [>90 days for an AHW waste]
3	☐	0226	Did not accumulate waste in container or tank. 66262.34(d)(2)
6	☐	0227	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
5	☐	0228	Failed to keep container closed. CFR 265.173
7	☐	0229	Failed to conduct weekly inspections. CFR 265.174
	☐	0230	Failed to maintain aisle space. CFR 265.35
	☐	0231	Failed to properly separate incompatible wastes. CFR 265.177
	☐	0232	Waste accumulated in a container in poor condition. CFR 265.171
	☐	0233	Failed to use a lined/compatible container. CFR 265.172
8	☐	0234	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31

TRAINING, CONTINGENCY PLAN & ER PROCEDURES Pursuant to 66262.34(d)(2)

	☐	0407	Employee training program not adequate. CFR 262.34(d)(5)(iii)
	☐	0408	Failed to post ER plan by phone. CFR 262.34(d)(5)(ii)
	☐	0409	Spill/fire control equip not available. CFR 265.32(c)
	☐	0410	Failed to equip facility with internal communication or alarm. CFR 265.32(a) & (b)
	☐	0411	Failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
	☐	0412	Failed to have an emergency coordinator on call or available during emergency. CFR 262.34(d)(5)(i)

HAZARDOUS WASTE TANK SYSTEMS Pursuant to 66262.34(d)(2)

	☐	1612	Hazardous waste improperly stored in a tank system causing ☐ leaks, ☐ corrosion, or ☐ failure. CFR 265.201(b)(2)
	☐	1613	Failed to comply with tank standards which include: two (2) feet of freeboard (where applicable), shut off for waste feed line, and daily and weekly inspections. CFR 265.201(b) & (c)
	☐	1614	Failed to properly complete &/or document closure for a hazardous waste tank. CFR 265.201(d) & 67383.3
	☐	1615	Failed to safely accumulate ignitable or reactive waste in a tank. CFR 265.201(e)
	☐	1616	Failed to safely manage incompatible waste in a tank. CFR 265.201(f)

Claudia A Ronsel — SIGNATURE OF FACILITY REPRESENTATIVE
5/4/15 — DATE SIGNED
Secretary — TITLE OF FACILITY REPRESENTATIVE

DEH-Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261

COUNTY OF SAN DIEGO

NOTICE OF VIOLATION

PAGE 1 OF 6 DATE 4/29/2015
RECORD ID # DEH2010-HUPFP-212875
TIME START 1100h END 1600h
SPECIALIST S. Preece
INSPECTION CONTACT Gary Romano
TITLE Manager
PHONE 619-469-1895

FACILITY NAME Bob Bowen's Auto Service
ADDRESS 7191 Alvarado Road
CITY/ZIP La Mesa, CA / 91942
OWNER'S NAME Bob Rowsell
PHONE 602-740-8878
OWNER'S ADDRESS
CITY/ZIP /

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **The following statements describe significant violations. This notice requires a formal written response and corrective action within the times specified.**

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Consent to inspect granted by: ☒ **Inspection Contact** ☒ **Other:** Rob Rowsell, Owner

Request for service pertaining to complaint DEH2015-ACOM-017184 regarding disposal of used oil, transmission fluid, and bad gasoline to a drain located at the west end of the building. Report also stated that engine/parts degreasing activities are conducted at the drain.

Also present during the inspection:
Rob Rowsell, ~~Owner~~ District Manager, Bob Bowen's Auto Service
Claudia Rowsell, Corporate Secretary, Bob Bowen's Auto Service
Manon Maschue, EHS, County of San Diego Hazardous Incident Response Team
Brian Philbin, Engineering Technician I, City of La Mesa
Joe Kuhn, Stormwater Program Manager, City of La Mesa

Business is an automotive repair facility. The following wastes were observed during this investigation: used oil, used antifreeze, used oil filters, used brake fluid, spent parts washer fluid, used batteries, oily rags, waste mop water, and used aerosols. Wastes are collected in containers in the shop area and accumulated in a designated hazardous waste (HW) storage area outside the west wall of the building. The HW accumulation area features a secured enclosure with rain cover and approximately four inch tall concrete berm. (See photos 5 through 15).

The asphalt surface adjacent to the HW accumulation area slopes down to a square drain opening located within approximately fifteen feet of the HW accumulation area. (See photos 5 through 7 and 16 through 19.) Gary Romano stated he did "not know where the drain goes", and "we never put anything down that drain", and "we know better than that". Mechanic Bryan Walsh stated he had been employed for three years, thought the drain "might lead to a sump" but "was not certain", and had never himself poured or ever observed anyone pour anything down that drain.

‹ Specialist should verify the identification of facility representative using a standard form of ID (e.g., CDL#, CA ID# or DOB). ›

PRINTED NAME OF FACILITY REPRESENTATIVE: Claudia Rowsell
DATE SIGNED: 5 / 14 / 15
SIGNATURE OF FACILITY REPRESENTATIVE: X Claudia J Rowsell
TITLE OF FACILITY REPRESENTATIVE: Secretary
SIGNATURE OF ENVIRONMENTAL HEALTH SPECIALIST: S Preece
DATE SIGNED: 05 / 05 / 2015

You must submit a written response within 30 days (or as specified) addressing all violations noted. The written response must demonstrate all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. The County may initiate formal enforcement action including the imposition of substantial penalties for any significant violations addressed in this notice. Any violations that are not promptly corrected will result in liability for additional days in violation and additional penalties. Any failure to provide the information requested will also be a factor in determining penalties. For these purposes, "significant violations" include violations that represent a significant threat to human health or safety or the environment, chronic violations, violations committed by a recalcitrant violator and Class I hazardous waste violations (CCR 66260.10 and H&SC 25110.8.5).

Rob Rowsell stated he did "not know where the drain goes" and Claudia Rowsell stated "this was all in place when we bought the business".

The drain featured a sump approximately three feet deep and one foot square with underground pipe openings to the north and south. (See photos 16 and 17.) Joe Kuhn and Brian Philbin inspected the drain and confirmed by running water from a hose into the drain that it discharges directly to the street through underground pipes that terminate with openings in the curbside. (See photos 24 through 26.)

Liquid accumulated in the bottom of the sump was a light pink color and with a thin yellow layer of what appeared to be emulsified oils on the surface. (See photos 17 and 20.) The liquid in the sump was approximately 11 pH as measured using pH test strips. (See photo 20.) Manon Maschue obtained samples of the sump liquid and I provided a split sample to Bob Rowsell.

I observed a bucket containing mop water at the west end of the building. The mop bucket water was light pink in color and was approximately 12 pH as measured with pH test strips. (See photos 21 and 22.) The cleaning powder used to mop the shop floors is called "Concrete Cleaner" manufactured by Western Tire Equipment and Supply Company. (See photo 23.) The product is a light pink powder containing sodium metasilicate (CAS# 6834-92-0) and has a 12.5 pH when mixed at a rate of 10 grams per liter per the Material Safety Data Sheet (MSDS).

Be advised that if the liquid in the sump is hazardous you will be in violation of HSC 25189.5(a) and/or HSC 25189(c) and/or 25189.2(c) for unauthorized disposal of hazardous waste; and CCR 66262.11 and/or 66260.200(c) for failure to make a proper waste determination.

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1) **Violation 0301:** **Unauthorized disposal of hazardous waste.**
2) **Violation 0304:** **Failed to make a proper waste determination.**

Observations: I observed least three non-empty aerosol cans containing engine degreaser in a trash bin (see photo 4.) , and a non-empty can containing brake cleaning fluid in the dumpster. Both the trash bin and dumpster were at the west end of the building. Gary Romano stated that "employees had been told not to do that".

Corrective Action: Immediately cease disposal of non-empty aerosol cans to solid waste. Implement a program to ensure aerosol cans are "California empty" prior to disposal to solid waste and/or manage non-empty aerosol cans as hazardous waste in a proper hazardous waste container. Immediately implement a method to properly manage oily solid hazardous waste such as oily absorbent or spent absorbent socks generated by the facility. Advise HMD of these actions within 30 days.

Comments: If waste fuels such as bad gasoline/diesel or oily solids are generated by the facility a proper waste determination must be conducted and if characterized as hazardous must be managed properly as hazardous waste. No hazardous waste drum for oily solids was observed onsite and this waste is generated in the form of oily socks used at the hazardous waste accumulation area. Note that oily rags may be sent for commercial laundry if they are not saturated with used oil and do not exhibit hazardous characteristics.

Claudia J Rowsell — SIGNATURE OF FACILITY REPRESENTATIVE

5/4/15 — DATE SIGNED

Secretary — TITLE OF FACILITY REPRESENTATIVE

FACILITY ADDRESS: 7191 Alvarado Road ZIP CODE: 91942

3) Violation 0226: Did not accumulate waste in a container or a tank.

Observations: At least three inches depth of used oil had accumulated in the secondary containment of the HW accumulation area filling it to within one inch of the top of the containment berm. (See photos 9 through 13.) No water was observed in the containment area. (See photos 12 and 13.)

Corrective Action: Immediately containerize the used oil in a proper hazardous waste container. This action was taken during the inspection and at least 10 gallons of used oil and sludge were removed and containerized. Hazardous waste container labels were provided to the facility.

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4) Violation 0218: Failed to close drained oil/fuel filters container.

Observations: Two 55 gallon drums contained drained used oil/filters and both were observed with no lids. (See photos 3 and 8.) Gary Romano closed the containers and secured their lids during the inspection. This is a repeat violation previously documented during the 2012 inspection

Corrective Action: Immediately close all drained used/oil filter containers and maintain closed when not in active use. This corrective action was taken during the inspection.

5) Violation 0228: Failed to keep hazardous waste container closed.

Observations: All hazardous waste containers observed onsite during the inspection were open including a 16ga drum of waste brake fluid, 2 x 55ga drums of waste antifreeze, and 7 x 55ga drums of used oil. (See photos 1 through 3 and 8.) This is a repeat violation previously documented during the 2012 inspection.

Corrective Action: Immediately close all hazardous waste containers and maintain closed when not in active use. This corrective action was taken during the inspection.

Comments: Regarding violations number (4) and (5) the facility was advised in 2012 during an inspection by HMD Inspector Mike Smith that waste containers must be maintained securely closed. Gary Romano stated he was never told that waste containers must be kept closed when not in active use and that he routinely closes all waste containers at the end of each business day. Only one lid was available near the waste containers in the shop. Gary Romano needed to find and take lids off other non-waste containers in order to close each of the hazardous waste containers in the shop area. Container lids were readily available for all but two of the eight drums in the outdoor waste accumulation area.

Linda L Rinaldi 5/4/15 Secretary

SIGNATURE OF FACILITY REPRESENTATIVE | DATE SIGNED | TITLE OF FACILITY REPRESENTATIVE

FACILITY ADDRESS: 7191 Alvarado Road ZIP CODE: 91942

6) Violation 0227: Failed to properly label/date hazardous waste container/tank.

Observations: Seven 55 ga drums of used oil in the hazardous waste accumulation area were unlabeled. (See photo 8.) One hazardous label was posted on the inside of the storage enclosure door. Each container must be labeled per 66262.34(f) because containers are portable and may be moved in an emergency or other event.

Corrective Action: Immediately label all hazardous waste containers with required information and maintain containers labeled in the future. Four labels were provided to the facility. Advise HMD of this action within 30 days.

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7) Violation 0229: Failed to conduct weekly inspection.

Observations: Gary Romano stated that an employee looks at the hazardous waste collection area "about every two to three weeks when they unlock it for pickups". Containers must be inspected weekly for condition. The secondary containment was 75% full of used oil indicating a potentially container leak. (See photos 9 through 13.)

Corrective Action: Immediately implement a program of weekly inspections of all hazardous waste containers and storage areas. Advise HMD of this action within 30 days.

Comments: Weekly inspection logs are not required to be kept but may be used to ensure inspections are being conducted. Three different weekly inspection log examples were provided to the facility.

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8) Violation 0234: Failed to maintain facility to prevent release or fire.

Observations: The secondary containment in the hazardous waste accumulation area was 75% full of used oil. Two absorbent socks were positioned on the west containment berm and were oily. Oil accumulated on top of the northwest corner of the berm, oil stains on the top and outsides of the berm, oil stains on the asphalt immediately in front of the berm and low areas tracing to a nearby storm drain downslope of the hazardous waste accumulation area, and a rainbow sheen on liquid exiting the drain discharge pipe at the street indicate that discharges have occurred and risk of future discharge is evident. (See photos 9 through 13, 16 through 17, and 24 through 26.)

Corrective Action: Immediately take action to prevent the release of hazardous waste to air, soil, or surface water and advise HMD of this action within 7 days.

Claudia A Kowell 5/4/15 Secretary

SIGNATURE OF FACILITY REPRESENTATIVE | DATE SIGNED | TITLE OF FACILITY REPRESENTATIVE

FACILITY ADDRESS: 7191 Alvarado Road ZIP CODE: 91942

9) Violation 1015: Employee training program not adequate.

Observations: Facility failed to have documentation of new employee and annual employee training for three years available for review. This violation was previously cited on March 6, 2015 and the facility has failed to return to compliance.

Corrective Action: Immediately train employees in safety procedures including familiarity with the facility's emergency response plan and mitigation procedures for releases or threatened releases of a hazardous material/waste, document this training and maintain a minimum of three years documentation showing employees have been trained within the past year.

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10) Violation 1017: Hazardous Material Business Plan (HMBP) not certified at least annually.
11) Violation 1004: HMBP not submitted in CERS.

Observations: No submittals have been made to the California Environmental Reporting System (CERS) Facility last certified their HMBP on April 2, 2012. This violation was previously cited on March 6, 2015 and the facility has failed to return to compliance.

Corrective Action: Immediately submit all required information accurately in CERS; this action will also certify the HMBP. Continue to certify the HMBP by making a submittal at least annually in CERS. Notify HMD of this action within 30 days. Help making a CERS submission may be obtained at 858-505-6657.

Remarks:

Referral made to City of La Mesa regarding storm water management

Photographs taken during inspection provided to Rob Rowsell electronically by email.

Three split samples taken during inspection provided to Rob Rowsell:

- Liquid from bottom of drain at west end of building
- Liquid from secondary containment in HW collection area
- Liquid from mop water bucket

Guidance documents provided to facility:

- DTSC Fact Sheet on aerosol can management
- Weekly inspection log (three versions)
- Automotive repair environmental self-compliance checklist
- Automotive repair pollution prevention self-audit checklist

Laura S Rowsell 5/4/15 Secretary

SIGNATURE OF FACILITY REPRESENTATIVE DATE SIGNED TITLE OF FACILITY REPRESENTATIVE

DEH 2010-HMFP-212875

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

PERMIT #: 212875
SPECIALIST: S. Preece
INSPECTION DATE: 04/29/15
CONTACT: BR Rowsell

FACILITY NAME Bob Bowen's Auto Service

ADDRESS 7191 Alvarado Rd CITY La Mesa CA ZIP 91942

VIOL #	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach any supporting documentation.)
1 √0301	5/1/15	All Aerosol cans to be put in a container so that they can be checked to see if completely empty (California empty) prior to solid disposal
2 √0304	5/1/15	Have made a container for spent sorbs to be removed by Asbury As needed.
3 √0226	04/29/15	Waste containerized during inspection.
4 √0218	4/30/15	Will make sure drained oil fill fitter container is closed at all times, when not in active use
5 √0228	4/30/15	Hazardous waste container will remaind closed at all times when not in active use.
6 √0227	5/1/15	Labeled and dated all hazardous waste containers
7 √0229	5/1/15	Will have weekly inspection conducted with a checklist to ensure it is being completed.
8 √0234	5 ~~4~~/15	Positioned more absorbent sorbs were positioned to surround more of the area. We are in the process of building/making a drain cover for the nearby drain. Weekly inspections will be conducted to insure immediate repairs are betaken.
9 √1015	5/2/15	Immediately had a training session. Will make sure ~~Employees~~ new employees are trained properly and will continue to conduct weekly/Annual meetings to make sure everyone is trained properly.
10+11 1017+1004	5/4/15	Updated map and hazardous materials on cers and Submitted 5/11/15.

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

Responsible Party: Claudia Rowsell (Print Name) **Job Title** Secretary

Signature of Responsible Party: Claudia V Rowsell **Date:** 5/11/15

Send completed form and supporting documentation to the address listed below

COUNTY OF SAN DIEGO USE ONLY: Reviewed by: S. Preece Date: 5/12/15
(Specialist's name and date required for processing)

Specialist's comments: RTC Complete.

☑ All violations noted on date listed above were corrected.

☑ Based on information provided by the facility
☐ Based on field verification by Specialist

☐ RTC entered in Kiva by Specialist on: / / ☐ RTC entered in Kiva by Office Assistant on: / /

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF ___ DATE 6/23/15 (2407)
RECORD ID # DEH2010-HMFP-212875
TIME START 11:40 END 2:45
SPECIALIST D. Griffin
INSPECTION CONTACT Gary - Romano
TITLE Service Advisor
PHONE (619) 469-1895

FACILITY NAME Bob Bowen's Auto Service
ADDRESS 7191 Alvarado Road
CITY/ZIP La Mesa 91941

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y*	N/A*		Y*	N/A*	
X	☐	Unified Program Facility Permit current			Permit Expires on: 01/31/2016
X	☐	Hazardous Materials Business Plan available	X	☐	Contingency Plan available ☐LQG ☒SQG
X	☐	Employee training is adequate	☐	☐	Employee training records available
X	☐	Waste disposal records available for review **	X	☐	Universal waste managed properly
X	☐	Emergency contacts current ☐ Updated today	X	☐	Waste containers ☒ closed ☒ labeled *
X	☐	Chemical inventory/map current ☐ Updated today	X	☐	Waste containers in good condition

Consent to inspect granted by: ☒ **Inspection Contact** ☐ **Other:** ___

Request for service pertaining to complaint DEH2015-ACOM-017184 regarding lack of waste disposal receipts for 2014 and 2015.

Observations: - Waste receipts were found for oil and AF (anti-freeze) for the years 2013-2015 with oil being picked up by Ashbury every month or more often, AF less often but several times each year. (Ashbury Environmental Services)
- Waste receipts were provided via Safety-Kleen's El Cajon office showing servicing done every 3 months aprx. from 11/3/2011 to 04/09/2015, for Safety-Kleen Parts Washer.
- No receipts for oily mop water were available as drum for this waste stream started 04/29/2015 and is not yet full.
- Large parts washer next to Safety Kleen uses a soapy water which is disposed of in the oily water drum as needed.
- No D-coded/federally regulated hazardous waste were found at the time of this visit or waste streams that would be disposed of as federally regulated hazardous waste.
- Waste area was clean and drums were closed start dates were within 180 days but had not been updated to reflect

The Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is required by law to be certified online through the California Environmental Reporting System (CERS). For additional information about hazardous materials business plans and CERS, go to: http://www.sdcounty.ca.gov/deh/hazmat/hmd-cers-info.html

PRINTED NAME OF FACILITY REPRESENTATIVE: Gary Romano
DATE SIGNED: 6/24/15
SIGNATURE OF FACILITY REPRESENTATIVE: X Gary Romano
TITLE OF FACILITY REPRESENTATIVE: General Manager

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (858) 505-6880 http://www.sdcdeh.org

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PERMIT # 212875
DATE 6/23/15
PAGE 2 OF ____

FACILITY ADDRESS: 7191 Alvarado Road ZIP CODE: 91941

Observations (cont.) last pick up.

- Storm drain was covered with a metal plate which was beveled and fitted to the opening to prevent anything from entering; a handle was welded on so the lid could be removed for inspection (only with pry bar) Per Gary Romano it was designed and installed to cover opening at the request of Stormwater Inspector. on 5/2/2015

- Training was conducted and recorded that covered all items addressed during inspection on 4/29/15.

- Floor to shop was clean and dry. No new stains outside

Minor Violations addressed during inspection:

- labeling doesn't reflect last date started on drums but they are labeled waste oil, liquid, toxic w/ address and dates of pick-up are listed on the inside of the door to the covered waste storage and be they states all oil removed, then date. Gary Romano is requesting guidance.

- Records from Safety-Kleen were not available from 2013-2015. Safety-Kleen was contacted and e-mailed records during inspection.

Gary Romano — 6/24/15 — General Manager

SIGNATURE OF FACILITY REPRESENTATIVE | DATE SIGNED | TITLE OF FACILITY REPRESENTATIVE

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

PAGE 1 OF 3 DATE 3/6/15
RECORD ID # DEH2010-HMFP-212875
TIME START 10:07 END 12:40
SPECIALIST Fitzmaurice
INSPECTION CONTACT Gary Romano
TITLE Mgr.
PHONE (619) 469-1895

FACILITY NAME Bob Bowen
ADDRESS 7191 Alvarado Road
CITY/ZIP La Mesa 91942

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Y*	N/A*		Y*	N/A*	
☒	☐	Unified Program Facility Permit current	☒	☐	Permit Expires on: 1/31/16
☒	☐	Hazardous Materials Business Plan available	☒	☐	Contingency Plan available ☐LQG ☒SQG
☒	☐	Employee training is adequate	☐	☐	Employee training records available
☒	☐	Waste disposal records available for review	☐	☐	Universal waste managed properly
☒	☐	Emergency contacts current ☐ Updated today	☐	☐	Waste containers ☐ closed ☐ labeled
☒	☐	Chemical inventory/map current ☐ Updated today	☐	☐	Waste containers in good condition

Consent to inspect granted by: ☒ **Inspection Contact** ☐ **Other:**

Routine Inspection

Business repairs and conducts routine maintenance on automobiles.

Business generates Hazardous Wastes (HWs): used oil, antifreeze, used oil filters, aqueous parts washing solution, hot tank waste, & brake fluid.
Hazardous Materials (HM) include: new oil, antifreeze.
Violations & Corrective Actions:

1. **Observation:**
The facility has not submitted Unified Program Facility information through the California Environmental Reporting System (CERS).

Violation:
Unified Program Facilities are required to submit facility information through CERS per section 25404(e)(4) of the California Health and Safety Code. Failure to correct violations could result in an enforcement action and significant penalties.

Corrective action: Within 30 days:
- Submit your facility information electronically at https://cersbusiness.calepa.ca.gov within the time specified on this report.

OR
- Contact the HMD at 858-505-6990 within 10 days of this inspection for assistance in submitting your facility information electronically.

2. Business operator failed to maintain on site available for review documentation showing that employees have received Training in HM/HW management and emergency preparedness, including spill & fire response, within the past 12 months.

The Hazardous Materials Business Plan (inventory & site map, emergency contacts, emergency response plan, and employee training plan) is required by law to be certified online through the California Environmental Reporting System (CERS). For additional information about hazardous materials business plans and CERS, go to: http://www.sdcounty.ca.gov/deh/hazmat/hmd-cers-info.html

PRINTED NAME OF FACILITY REPRESENTATIVE: Gary Romano
DATE SIGNED: 3/6/15
SIGNATURE OF FACILITY REPRESENTATIVE: X Gary Romano
TITLE OF FACILITY REPRESENTATIVE: Manager

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PERMIT # 212875
DATE 3/6/15
PAGE 2 OF 3

FACILITY ADDRESS: 7191 Alvarado Rd. ZIP CODE: 91942

Corrective Action: Within 30 days document Training which occurred during the past 12 months.
Training must be conducted at least every 12 months with documentation to include names of Trainers & Trainees, content of Training, and date on which Training occurred.

3. Business operator intentionally contaminated used oil with HW (brake fluid). Used oil is only motor oil, transmission fluid, gearbox & differential oils.
Corrective Action: Immediately discontinue disposing of brake fluid in used oil containers. Store in a separate container which is kept closed/covered, and labeled as HW. A completed HW label was provided to business during this inspection.

Remarks:
Within 30 days submit a completed Corrective Action Form to address below indicating how the above listed violations were corrected.

Business provided with handouts:
- Used Oil Generator Requirements
- Generators of Empty or Contaminated Containers

SIGNATURE OF FACILITY REPRESENTATIVE | 3/6/15 DATE SIGNED | Manager TITLE OF FACILITY REPRESENTATIVE

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Small and Large Quantity Generators of Hazardous Waste
Handlers of Hazardous Materials

RECORD ID # 212875
DATE 3 / 6 / 15
PAGE 3 OF 3

FACILITY ADDRESS: 7191 Alvarado Rd. **ZIP:** 91942

VIOLATION REPORT: The items checked below refer to specific section numbers of Titles 19, 22 & 27 of the California Code of Regulations (CCR), Chapters 6.5, 6.67 & 6.95 of the Health and Safety Code, and/or the San Diego County Code (SDCC). Small Quantity Hazardous Waste Generator=(SQG); Large Hazardous Waste Quantity Generator=(LQG); Code 40 of Federal Regulations=(CFR).
All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Your Specialist can provide this form. Please call (858) 505-6880 or your Specialist if you have any questions.

HAZARDOUS MATERIALS REQUIREMENTS

Viol #	V		VIOLATION DESCRIPTION
	☐	1001	UPF permit not obtained for hazardous materials. SDCC 68.905
	☐	1002	Hazardous Materials Business Plan (HMBP) not established/ implemented in CERS. 25507
	☐	1004	HMBP not submitted to the CUPA in CERS. 25508
	☐	1005	Emergency contact not provided or current. 25506(a)(7) &/or 25508.1(f)
	☐	1007	Highly toxic gas (TLV≤10 ppm) not disclosed. 68.1113(b)
	☐	1008	Did not submit annual carcinogen/reproductive toxin list. 68.1113(c)
	☐	1009	Site map is not sufficient or complete. 25505(a)(2)
	☐	1010	Did not report release or threatened release. 25510, 19 CCR 2703
	☐	1012	SPCC Plan not prepared. 25270.3 & 25270.4.5(a)
	☐	1014	HMBP is incomplete/inadequate/not amended to reflect changes. 25505, 25506, 25508, 25508.1 &/or 19 CCR 2729 & 2729.1
	☐	1015	Did not have adequate employee training program 2732 &/or 25505(a)(4)
	☐	1016	Failed to have an adequate emergency response plan 25505(a)(3); 2731
1	☒	1017	Business Plan not certified in CERS at least once every 12 months. 25508.2
	☐	1018	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25508.1
	☐	1019	SPCC Plan amendment not prepared within 6 months of change. 25270.4.5(a) [ref. CFR 112.1(b) & CFR 112.5]
	☐	1020	Failed to submit Unified Program Facility information in CERS to the CUPA for regulated activity or change of information. HSC 25508(a)(1), 25508.1 &/or SDCC 68.906; 68.909; &/or 68.908.2

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

RECORDKEEPING

	☐	0131	Unified Program Facility (UPF) permit not obtained. SDCC 68.905
	☐	0132	Failed to obtain & maintain a valid EPA ID Number. 66262.12(a)
	☐	0133	Failed to send manifest copy to DTSC. 66262.23(a)(4)
	☐	0134	Failed to file Exception Report with DTSC. 66262.42
	☐	0135	Failed to keep hazardous waste manifests/receipts for 3 years available for inspection. 66262.40(a) & 25160.2(b)(3), 25185(a)(4)
	☐	0136	Did not have records of battery disposal. 66266.81(a)(4)(B)
	☐	0137	Failed to complete manifest properly. 66262.23(a)
	☐	0138	Manifest signed by the TSDF not available for inspection. 66262.40(a)
	☐	0140	Failed to have LDR documentation onsite. 66268.7(a)(8)
	☐	0141	Failed to obtain approval for TSDF. 25201(a)
	☐	0142	Failed to notify CUPA for eligible onsite treatment. 25201(a)
	☐	0145	ERM reporting not submitted biennially &/or available. 25143.10
	☐	0146	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
	☐	0147	Failed to keep records of offsite universal waste (UW) shipment(s) available for inspection for 3 years. 66273.39(c) & (d)(2); 25185(a)(4)
	☐	0148	Failed to keep copies of analytical results, waste analysis records, or waste determination results. (3 years) 66262.40(c)
	☐	0149	Failed to keep disposal receipts (3 years) for drained used oil filters &/or drained fuel filters. 25250.22 & 66266.130(c)(5)

DISPOSAL AND TRANSPORTATION

	☐	0301	Unauthorized disposal of hazardous waste. 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0302	Unlawful transportation of hazardous waste (HW). 25163(a)
	☐	0303	Did not use HW manifest for disposal. 66262.20(a); 25160(b)(1) or (2), 25160.2(b)(9)
	☐	0304	Failed to make a proper waste determination. 66262.11 & 66260.200(c)
	☐	0305	Disposed of used oil illegally. 25250.5(a) & 25189.5(a) or 25189(c) or (d) or 25189.2(c)
	☐	0306	Disposed of latex paint illegally. 25217.1
	☐	0307	Disposed of UW to an unauthorized point. 25189.5(a) or 25189(c) or (d) or 25189.2(c); 66273.31(a)
	☐	0308	Impermissible dilution of hazardous waste. 66268.3(a)

HAZWASTE REQUIREMENTS FOR LQGs & SQGs

STORAGE AND HANDLING

Viol #	V		VIOLATION DESCRIPTION
3	☒	0214	Used oil intentionally contaminated with HW. 25250.7(a)
	☐	0215	Used oil filters improperly managed. 66266.130
	☐	0216	Failed to label hazardous materials within 10 days or less. 25124(b)(3)(A) & 66262.34(f)
	☐	0217	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
	☐	0218	Failed to label &/or close drained ☐ used oil filters &/or ☐ used fuel filters. 25250.22 & 66266.130(c)(3)
	☐	0219	Failed to properly segregate used oil &/or fuel drained from filters. 66266.130(c)(6) or 25250.22(b)(4)
	☐	0220	Spent lead acid batteries not properly managed. 66266.81
	☐	0221	Failed to comply with satellite regulations. 66262.34(e)
	☐	0222	Failed to properly label ERM. 25143.9(a)
	☐	0223	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7(b), (d) &/or (r)
	☐	0224	Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 66261.7(e) & (f)
	☐	0237	Failed to properly dispose of UW within one year. 66273.35(a) &/or (b)
	☐	0238	Failed to manage UW in a manner to prevent release(s) to the environment. 66273.33 & 66273.33.5
	☐	0239	Failed to properly label or mark UW (non-CESQUWG). 66273.34

HAZWASTE REQUIREMENTS FOR SQGs ONLY

STORAGE AND HANDLING Pursuant to 66262.34(d)

	☐	0225	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e) & (f), &/or 25201(a) [>90 days for an AHW waste]
	☐	0226	Did not accumulate waste in container or tank. 66262.34(d)(2)
	☐	0227	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
	☐	0228	Failed to keep container closed. CFR 265.173
	☐	0229	Failed to conduct weekly inspections. CFR 265.174
	☐	0230	Failed to maintain aisle space. CFR 265.35
	☐	0231	Failed to properly separate incompatible wastes. CFR 265.177
	☐	0232	Waste accumulated in a container in poor condition. CFR 265.171
	☐	0233	Failed to use a lined/compatible container. CFR 265.172
	☐	0234	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31

TRAINING, CONTINGENCY PLAN & ER PROCEDURES Pursuant to 66262.34(d)(2)

2	☒	0407	Employee training program not adequate. CFR 262.34(d)(5)(iii)
	☐	0408	Failed to post ER plan by phone. CFR 262.34(d)(5)(ii)
	☐	0409	Spill/fire control equip not available. CFR 265.32(c)
	☐	0410	Failed to equip facility with internal communication or alarm. CFR 265.32(a) & (b)
	☐	0411	Failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
	☐	0412	Failed to have an emergency coordinator on call or available during emergency. CFR 262.34(d)(5)(i)

HAZARDOUS WASTE TANK SYSTEMS Pursuant to 66262.34(d)(2)

	☐	1612	Hazardous waste improperly stored in a tank system causing ☐ leaks, ☐ corrosion, or ☐ failure. CFR 265.201(b)(2)
	☐	1613	Failed to comply with tank standards which include: two (2) feet of freeboard (where applicable), shut off for waste feed line, and daily and weekly inspections. CFR 265.201(b) & (c)
	☐	1614	Failed to properly complete &/or document closure for a hazardous waste tank. CFR 265.201(d) & 67383.3
	☐	1615	Failed to safely accumulate ignitable or reactive waste in a tank. CFR 265.201(e)
	☐	1616	Failed to safely manage incompatible waste in a tank. CFR 265.201(f)

Gary Ramos — SIGNATURE OF FACILITY REPRESENTATIVE
3/06/15 — DATE SIGNED
Manager — TITLE OF FACILITY REPRESENTATIVE

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

INSPECTION DATE: 05/24/2017
RECORD ID #: DEH2010-HUPFP-212875
SPECIALIST: Donelle Griffin
INSPECTION CONTACT: Chris Parker
TITLE: Operations Manager
PHONE: (619) 469-1895
E-MAIL: familyautoservicelamesa@gmail.com

FACILITY NAME: Family Auto Service
ADDRESS: 7191 ALVARADO RD
CITY/ZIP: LA MESA /91941

VIOL#	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach Any Supporting Documentation)	DUE DATE
#1 HMD0226	5/25/17	OIL FILTER DRUMS emptied of oil. All Staff Advised.	06/23/2017
#2 3030010	6/5/17	waste brake fluid picked up.	06/23/2017

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE	DATE SIGNED
C. PARKER	[signature]	6/5/17
TITLE OF FACILITY REPRESENTATIVE: OPERATIONS MANAGER		

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO THE ADDRESS LISTED BELOW

COUNTY OF SAN DIEGO USE ONLY

REVIEWED BY: Donelle Griffin DATE: 9/15/2017

SPECIALIST'S COMMENTS:

- [x] All violations noted on date listed above were corrected
- [x] Based On Information Provided By The Facility
- [ ] Based On Field Verification By Specialist
- [x] RTC entered by Specialist on: 9/15/2017
- [ ] RTC entered by Office Assistant on:

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

HM-926(01/17)

Elise Rothschild
Director

County of San Diego

Department of Environmental Health
Hazardous Materials Division
PO Box 129261, San Diego, CA 92112-9261
Phone: (858) 505-6700; FAX: (858) 505-6788
Toll Free: (800) 253-9933
www.sdcdeh.org

Amy Harbert
Assistant Director

8/21/2017

Family Auto Service
7191 ALVARADO RD
LA MESA, CA 91941

According to our records, documentation or other evidence of corrective action has not been received or is incomplete for violations cited during the Unified Program facility inspection performed on 5/24/2017 at:

Family Auto Service
7191 ALVARADO RD
LA MESA, CA 91941
Record ID: DEH2010-HUPFP-212875
CERS ID: 10360678

The Hazardous Materials Division (HMD) of the Department of Environmental Health is the Certified Unified Program Agency (CUPA) for the County of San Diego. As the local CUPA, the HMD implements the Unified Program in the County and regulates businesses that manage hazardous materials, hazardous wastes, medical wastes, aboveground petroleum storage tanks, and underground storage tanks.

On 5/24/2017, Donelle Griffin of the HMD inspected your business at 7191 ALVARADO RD, LA MESA, CA 91941. Our records indicate that the HMD has not received evidence of correction and/or certification of return to compliance as required by the California Health and Safety Code (H&SC) for the violations observed during the inspection. A copy of this inspection is enclosed.

Uncorrected violations from the 5/24/2017 inspection of your business are listed on the reverse of this page. Submit a written response indicating how these violations were corrected, along with any applicable supporting documentation within ten (10) business days (by 9/4/2017). You may use the enclosed Corrective Action Form to show return to compliance as long as you also submit adequate supporting documentation.

If a re-inspection is required to determine compliance, you will be charged a re-inspection fee of $342. The HMD may initiate formal enforcement actions, including the imposition of substantial penalties, for any significant violations. Violations that are not promptly corrected will result in liability for additional days in violation and additional penalties. Any failure to provide the information requested will also be a factor in determining penalties. For these purposes, "significant violations" include violations that represent a significant threat to human health or safety or the environment, chronic violations, violations committed by a recalcitrant violator, and Class I hazardous waste violations (California Code of Regulations (CCR) 66260.10 and H&SC 25110.8.5).

Violation #	Description of Violation
3030010	Accumulated waste too long (>180 or 270 days) (>90 days for an acutely hazardous waste). (40 CFR 262.34(e) and (f).) HSC 25201(a); 22 CCR 66262.34(d)
HMD0226	Did not accumulate waste in a container or tank. (40 CFR 262.34(d)(2).) 22 CCR 66262.34(d)(2)

Mail your response to:

County of San Diego
Department of Environmental Health
Hazardous Materials Division
P.O. Box 129261
San Diego, CA 92112-9261

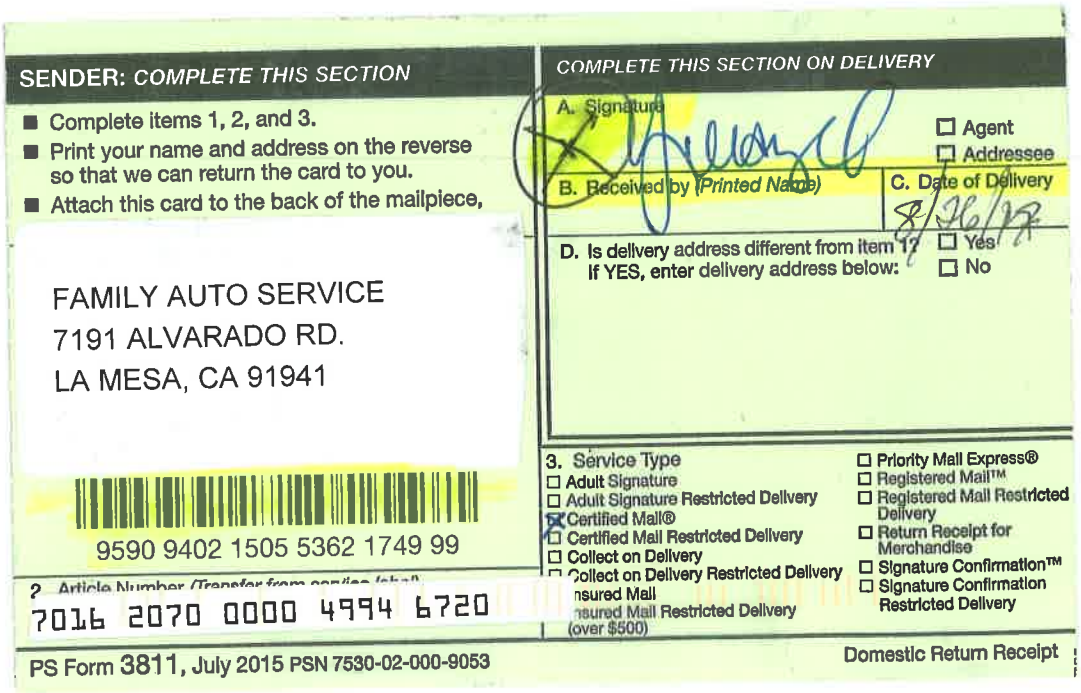
For additional information, contact specialist Donelle Griffin at Donelle.Griffin@sdcounty.ca.gov or (858) 260-1898, or the Hazardous Materials Duty Desk at (858) 505-6880.

Sincerely,

Maryam Dorsey, Chief
Hazardous Materials Division

Enclosures: Compliance Inspection Report
Corrective Action Form to Document Return to Compliance

ecc: Record ID: DEH2010-HUPFP-212875
CERS ID: 10360678


SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece,

FAMILY AUTO SERVICE
7191 ALVARADO RD.
LA MESA, CA 91941

9590 9402 1505 5362 1749 99

2. Article Number (Transfer from service label)
7016 2070 0000 4994 6720

COMPLETE THIS SECTION ON DELIVERY

A. Signature
☐ Agent
☐ Addressee

B. Received by (Printed Name)
C. Date of Delivery
8/16/17

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Adult Signature
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restricted Delivery
☐ Return Receipt for Merchandise
☐ Signature Confirmation™
☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

FACILITY NAME: **Family Auto Service**
ADDRESS: **7191 ALVARADO RD**
CITY/ZIP: **LA MESA** /**91941**

INSPECTION DATE: **05/24/2017** PAGE **1** OF **4**
RECORD ID #: **DEH2010-HUPFP-212875**
TIME START: **10:05 AM** END: **1:15 PM**
SPECIALIST: **Donelle Griffin**
INSPECTION CONTACT: **Chris Parker**
TITLE: **Operations Manager**
PHONE: **(619) 469-1895**
E-MAIL: **familyautoservicelamesa@gmail.com**

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Yes	N/A		Yes	N/A	
☒	☐	Unified Program Facility Permit Current	☒	☐	Contingency Plan Available ☐ LQG ☒ SQG
☒	☐	Hazardous Materials Business Plan Available	☒	☐	Employee Training Records Available
☒	☐	Employee Training is Adequate	☒	☐	Universal Waste Managed Properly
☒	☐	Waste Disposal Records Available for Review	☒	☐	Waste Containers ☒ Closed ☒ Labeled
☒	☐	Emergency Contacts Current ☐ Updated today	☒	☐	Waste Containers in Good Condition
☒	☐	Chemical Inventory/Map Current ☐ Updated today			Permit Expires On 01/31/2018

CONSENT TO CONDUCT INSPECTION GRANTED BY: Chris Parker TITLE: Operations Manager

INTRODUCTION:
The Hazardous Materials Division (HMD) is the Certified Unified Program Agency (CUPA) for the County of San Diego, regulating businesses that manage hazardous waste, hazardous materials, aboveground petroleum storage tanks, and underground storage tanks. The HMD also acts as the local enforcement agency for the Medical Waste Management Act (MWMA).

This is a routine compliance inspection, the scope included hazardous waste generation and the Hazardous Materials Business Plan. Business changed name but not ownership to Family Auto Service, La Mesa this month. Business repairs and maintains automobiles.

Facility is a small quantity hazardous waste generator that generates ~ 2000 gal waste oil, ~700 gal. waste antifreeze, 40 gal. parts washer waste and ~10 gal. waste brake fluid per year. EPA ID#CAL000355851 active at the time of this inspection per the DTSC on-line database.

On site at the time of this inspection new oil/lubricants (2 x 185 gal., 1 x 110 gal., 3 x 55 gal., 8 x 66 gal. containers), used oil (8 x 55 gal. drums, antifreeze 4 x 55gal. drums, waste antifreeze 2 x 55 gal. drums, 1 x 16 gal. drum waste brake fluid and a parts washer (20 gal).

On site at below reportable quantities oxygen 1 x 80 cu ft., acetylene 1 x 55 cu ft., nitrogen 1 x 200 cu ft, and 1 x 200 cu ft. compressed air (zero).

VIOLATION # 1
HMD0226 Did not accumulate waste in a container or tank. (40 CFR 262.34(d)(2).) 22 CCR 66262.34(d)(2)

Classification: Class II

Observations:
Hazardous waste observed during the inspection to not be accumulated in an appropriate container or tank. Waste oil located in the open-top drums used to accumulate oil filters before crushing ~1" in both and in the secondary containment of the waste oil drums. Chris Parker stated that oil is removed when waste hauler picks up the oil.

Corrective Action Due By: 06/23/2017

Immediately transfer the hazardous waste in to a properly labeled hazardous waste container or tank with a closable lid. Complete the attached corrective action form and send with supporting documentation to donelle.griffin@sdcounty.ca.gov or FAX to her attention @ 858-505-6786.

VIOLATION # 2
3030010 Accumulated waste too long (>180 or 270 days) (>90 days for an acutely hazardous waste). (40 CFR 262.34(e) and (f).) HSC 25201(a); 22 CCR 66262.34(d)

Classification: Minor

Observations:
This facility observed to be storing hazardous waste in exceedance of hazardous waste generator requirements (>180 days). Control (DTSC). Waste filters/oily debris 55 gal. drum start date 7/16/2016 and waste brake fluid 16 gal drum state date 5/2015.

Corrective Action Due By:06/23/2017
Within 30 days have waste removed by a registered hazardous waste hauler. Complete the attached corrective action form and send with supporting documentation to donelle.griffin@sdcounty.ca.gov or FAX to her attention @ 858-505-6786.

INSPECTION REMARKS:
CERS changes to quantities in inventory, name change and site map changes including location of emergency equipment were completed at the time of this inspection.

Helpful Websites:
• For guidance documents on hazardous materials-related topics,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_publications.html
• For information on the California Environmental Reporting System (CERS),
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_cers.html
• If you have questions on: permit fees, business plan requirements, or hazardous waste regulations,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat.html
• To find out the latest San Diego County News and receive updates, subscribe to our govdelivery emails:
https://public.govdelivery.com/accounts/CASAND/subscriber/new

If you have any questions regarding this inspection, please contact Donelle Griffin ,858-260-1898, Donelle.Griffin@sdcounty.ca.gov

INSPECTION PHOTOS
None

All regulated businesses are required by law to submit their Unified Program-related information and business updates online through the California Environmental Reporting System (CERS). For additional information about CERS, go to: http://www.sandiegocounty.gov/deh/hazmat/hmd_cers.html

PRINTED NAME OF FACILITY REPRESENTATIVE **Chris Parker**	SIGNATURE		DATE SIGNED **05/24/2017**
TITLE OF FACILITY REPRESENTATIVE **Operations Manager**			

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

Handlers of Hazardous Materials and Small and Large Quantity Generators of Hazardous Waste

FACILITY NAME: * **Family Auto Service**

ADDRESS: * **7191 ALVARADO RD** CITY/ZIP: * **LA MESA** **91941**

Each violation checked below is for the section(s) of the California Health and Safety Code (HSC), California Code of Regulations (CCR), or the San Diego County Code (SDCC) indicated in italics. Incorporated provisions of Title 40 of the Code of Federal regulations (CFR) are noted for reference. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. HMBP = Hazardous Materials Business Plan; CUPA = Certified Unified Program Agency; CERS = California Environmental Reporting System; SQG = Small Quantity Hazardous Waste Generator; LQG = Large Quantity Hazardous Waste Generator

Hazardous Materials Requirements

#		VIOLATION DESCRIPTION
	☐	1010001 HMBP not established/ implemented. HSC 25505(a) and 25507(a)
	☐	1010002 HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a), (d)
	☐	1010003 Business Activities and/or Business Owner/Operator Identification not completed in CERS. 19 CCR 2729.2(a)(1); HSC 25404(e)(4)
	☐	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)
	☐	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)
	☐	1010006 HMBP not updated to reflect inventory changes or facility information. HSC 25508.1(a-e)
	☐	1010007 HMBP not updated to reflect substantial change to the handler's operations. HSC 25508.1(f)
	☐	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2
	☐	1010010 Emergency response procedures to mitigate a release or threatened release not adequate, not established or not submitted in CERS. HSC 25505(a)(3) and 25508(a)(1)(A)
	☐	1010011 Failure to notify property owner in writing that the business is subject to the HMBP program. HSC 25505.1
	☐	1010012 Failure to provide a copy of HMBP to the property owner within five working days upon request from property owner. HSC 25505.1
	☐	1010014 Failure to submit emergency response plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
	☐	1010015 Failure to submit employee training plan in CERS, when not meeting agricultural handler exemption. HSC 25507.1(a) and 25508(a)(1)(A)
	☐	1010016 HMBP not established or submitted in CERS, when not meeting the remote site exemption. HSC 25507.2 and 25508(a)(1)(A)
	☐	1020001 Employee training plan for hazardous materials management not adequate, not established or not submitted in CERS. HSC 25505(a)(4) and 25508(a)(1)(A)
	☐	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)
	☐	1040001 Hazardous materials release or threatened release not reported to the CUPA and OES immediately upon discovery. HSC 25510(a)
	☐	4010001 Failed to prepare and implement a written Spill Prevention Control and Countermeasures (SPCC) Plan in accordance with 40 CFR 112 (sec. 112.3). HSC 25270.4.5(a)
	☐	HMD 1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
	☐	HMD 1005 Emergency contact not provided or current. HSC 25508.1(f)
	☐	HMD 1007 Highly toxic gas (TLV<10 ppm) not disclosed. SDCC 68.1113(b)
	☐	HMD 1008 Annual carcinogen/reproductive toxin list not submitted. SDCC 68.1113(c)
	☐	HMD 1013 HMBP not readily available for review. HSC 25505(c)

Hazardous Waste Requirements for SQGs ONLY

#		VIOLATION DESCRIPTION
1	☒	HMD 0226 Did not accumulate waste in a container or tank. (40 CFR 262.34(d)(2).) 22 CCR 66262.34(d)(2)
	☐	HMD 0412 Failed to have an emergency coordinator on call or available during an emergency. (40 CFR 262.34(d)(5)(i).) 22 CCR 66262.34(d)(2)

Hazardous Waste Requirements for SQGs ONLY (continued)

#		VIOLATION DESCRIPTION
	☐	3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)
2	☒	3030010 Accumulated waste too long (>180 or 270 days) (>90 days for an acutely hazardous waste). (40 CFR 262.34(e) and (f).) HSC 25201(a); 22 CCR 66262.34(d)
	☐	3030013 Failed to accumulate hazardous waste in a container that is in good condition. (40 CFR 262.34(d)(2); 265.171.) 22 CCR 66262.34(d)(2)
	☐	3030015 Failed to accumulate or store hazardous waste in a lined/compatible container. (40 CFR 262.34(d)(2); 265.172) 22 CCR 66262.34(d)(2)
	☐	3030017 Failed to properly close hazardous waste container(s). (40 CFR 262.34(d)(2); 265.173.) 22 CCR 66262.34(d)(2)
	☐	3030019 Failed to inspect hazardous waste storage area at least weekly. (40 CFR 262.34(d)(2); 265.174.) 22 CCR 66262.34(d)(2)
	☐	3030022 Failed to properly separate incompatible waste. (40 CFR 262.34(d)(2); 265.177.) 22 CCR 66262.34(d)(2)
	☐	3030030 Failed to maintain and/or operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents. (40 CFR 262.34(d)(4), 265.31.) 22 CCR 66262.34(d)(2)
	☐	3030036 Failed to maintain adequate aisle space. (40 CFR 262.34(d)(4); 265.35.) 22 CCR 66262.34(d)(2)
	☐	3010022 Failed to post, next to the telephone, emergency information containing the location of emergency equipment, contact names, and numbers. (40 CFR 262.34(d)(5)(ii).) 22 CCR 66262.34(d)(2)
	☐	3020001 Failed to ensure employees are trained for hazardous waste handling, compliance with regulations, and emergency response procedures. (40 CFR 262.34(d)(5)(iii).) 22 CCR 66262.34(d)(2)
	☐	3030032 Failed to maintain or have emergency equipment, supplies, or equivalents. 1) An internal communication or alarm system; 2) A device, such as a telephone; 3) Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment; and 4) Water at adequate volume and pressure (40 CFR 262.34(d)(4); 265.32) 22 CCR 66262.34(d)(2)
	☐	3030039 Failed to implement contingency plan during an emergency, spill/ release. (40 CFR 262.34(d)(5)(iv).) 22 CCR 66262.34(d)(2)

Hazardous Waste Tank Systems for SQGs ONLY

	☐	3030024 Failed to maintain sufficient freeboard of 2 ft in uncovered tanks to prevent overtopping unless the tank is equipped with a containment structure, a drainage control system or a diversion structure with a capacity that equals or exceeds the volume of the top 2 ft of the tank. (40 CFR 62.34(d)(3); 265.201(b)(c).) 22 CCR 66262.34(d)(2)
	☐	3030025 Failed to provide an overfill protection device on continuously fed hazardous waste tank. (40 CFR 262.34(d)(3); 265.201(b)(4).) 22 CCR 66262.34(d)(2)
	☐	3030027 Failed to conduct daily tank inspection of the discharge system, monitoring equipment, and tank level. (40 CFR 265.201(c)(1), 265.201(c)(2), 265.201(c)(3), 262.34(d)(3).) 22 CCR 66262.34(d)(2)
	☐	3030028 Failed to conduct weekly inspections of the construction materials, fixtures, and surrounding areas of the hazardous waste tank. (40 CFR 265.201(c)(4); 265.201(c)(5); 262.34(d)(3).) 22 CCR 66262.34(d)(2)
	☐	3050007 Failed to properly decontaminate and document closure of a hazardous waste tank system. (40 CFR 265.201(f).) 22 CCR 67383.3
	☐	HMD 1612 Hazardous waste improperly stored in a tank system causing leaks, corrosion, or failure. (40 CFR 265.201(b).) 22 CCR 66262.34(d)
	☐	HMD 1614 Failed to pre-notify the CUPA in writing prior to closing a hazardous waste tank system. 22 CCR 67383.3(a)(1)
	☐	HMD 1615 Failed to properly accumulate ignitable or reactive waste in a tank system. (40 CFR 265.201(g).) 22 CCR 66262.34(d)(2)

Hazardous Waste Requirements for SQGs and LQGs
RECORD KEEPING/OPERATIONAL REQUIREMENTS

#	VIOLATION DESCRIPTION
☐	3010001 Unified Program Facility (UPF) permit not obtained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905
☐	3010029 The facility has not submitted complete and accurate facility information in CERS. HSC 25404(e)(4); 27 CCR 15188(b)
☐	3010002 Failed to obtain and/or maintain an active EPA ID. 22 CCR 66262.12
☐	3010008 Failed to properly complete a uniform hazardous waste manifest. 22 CCR 66262.23(a)
☐	3010009 Failed to complete the hazardous waste manifest Exception Requirement. 22 CCR 66262.42
☐	3010010 Failed to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a)
☐	3010011 Failed to send hazardous waste manifest copies to the Department of Toxic Substances Control (DTSC). 22 CCR 66262.23(a)(4)
☐	3010013 Failed to meet the consolidated manifesting requirements for waste shipment. HSC 25160.2; 22 CCR 66262.40(a)
☐	3010014 Failed to retain disposal records of spent lead batteries for 3 years. 22 CCR 66266.81(a)(4)(B)
☐	3030006 Failed to determine if a hazardous waste is restricted or prohibited from land disposal. 22 CCR 66268.7(a)
☐	3010016 Failure of recycler who recycles more than 100 kilograms per month of recyclable material under a claim that the material qualifies for exclusion or exemption to provide and submit in CERS the required information. HSC 25143.10(a), (c), and/or (d)
☐	HMD 0149 Failed to keep disposal receipts for drained used oil filters and/or drained fuel filters for 3 years. HSC 25250.22; 22 CCR 66266.130
☐	HMD 0148 Failed to have copies of analytical records, waste analysis records, and/or waste determination results for 3 years. 22 CCR 66262.40(c)
☐	HMD 0140 Failed to have Land Disposal Restriction documentation onsite for 3 years. 22 CCR 66268.7(a)(8)
☐	3250005 Failed to obtain a Treatment, Storage and Disposal Facility (TSDF) permit or authorization to store/treat/dispose of hazardous waste. HSC 25201(a)
☐	3050005 Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Materials. HSC 25143.2(f); 22 CCR 66261.2(g)
☐	3210001 Failed to notify the CUPA in CERS for onsite hazardous waste treatment/tiered permitting. HSC 25201(a)
☐	HMD 0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a)

Hazardous Waste Requirements for SQGs and LQGs
DISPOSAL AND TRANSPORTATION

☐	3010007 Failed to prepare a hazardous waste manifest for the transport of a waste for off-site transfer, treatment, storage, or disposal. HSC 25160(b)(1) or (2), 25160.2(b)(9); 22 CCR 66262.20(a)
☐	3030005 Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)
☐	3050001 Failed to use a California registered hazardous waste transporter to transport hazardous waste. HSC 25163(a); 22 CCR 66263.41
☐	3050002 Failed to properly dispose of hazardous waste at an authorized facility. HSC 25189.5(a); 25189(c),(d); 25189.2(c)
☐	3130002 Impermissible dilution of hazardous waste. 22 CCR 66268.3(a)
☐	HMD 0305 Disposed of used oil illegally. HSC 25250.5(a); 25189.5(a); 25189(c),(d); 25189.2(c)
☐	HMD 0306 Disposed of hazardous waste latex paint improperly. HSC 25217.1

Hazardous Waste Requirements for SQGs and LQGs
STORAGE AND HANDLING

#	VIOLATION DESCRIPTION
☐	3030001 Failed to meet requirements, when handling, and storing spent lead acid batteries. 22 CCR 66266.81(a)(1)
☐	3030003 Failed to properly manage 'damaged' spent lead acid batteries. 22 CCR 66266.81(b)
☐	3030004 Failed to properly manage, store, label, and/or recycle used oil filters and/or used fuel filters. HSC 25250.22; 22 CCR 66266.130
☐	3050004 Failed to properly manage contaminated used oil as a hazardous waste. HSC 25250.7(a), (c)
☐	HMD 0222 Failed to properly label Excluded Recyclable Materials (ERM). HSC 25143.9(a).
☐	HMD 0216 Failed to label hazardous material container within 10 days after the container was discovered to be mislabeled or inadequately labeled. HSC 25124(b)(3)(A); 22 CCR 66262.34(f)
☐	HMD 0217 Failed to repackage damaged/deteriorated hazardous material container within 96 hours. HSC 25124(b)(3)(B); 22 CCR 66262.34(f)
☐	HMD 0219 Failed to properly segregate used oil &/or fuel drained from filters. HSC 25250.22(b)(4); 22 CCR 66266.130(c)(6)
☐	HMD 0221 Failed to comply with hazardous waste satellite container regulation. 22 CCR 66262.34(e)
☐	HMD 0223 Failed to properly empty container, failed to manage non-empty container, or inner liner removed from a container. 22 CCR 66261.7(b), (d) and/or (r); 66262.34(f)
☐	HMD 0224 Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 22 CCR 66261.7(e),(f)

Universal Waste Handler Requirements

☐	3010004 Failed to obtain an EPA ID number from DTSC or US EPA prior to storing 5,000 kg or more of universal waste. 22 CCR 66273.32(a),(b)
☐	3020002 Failed to maintain universal waste handler training records for 3 years. 22 CCR 66273.36(c),(d)
☐	3020003 Failed to properly train handlers of universal waste in universal waste management and response procedures. 22 CCR 66273.36(a),(b)
☐	3030008 Failed to properly label or mark a universal waste (non-Conditionally Exempt Small Quantity Universal Waste Generator). 22 CCR 66273.34
☐	3030011 Failed to properly dispose of universal waste within one year. 22 CCR 66273.35(a) and/or (b)
☐	3030046 Failed to keep records of offsite universal waste (UW) shipment(s) available for inspection for 3 years. HSC 25185(a); 22 CCR 66273.39(c), (d)(2)
☐	3030051 Failed to meet the accumulation standards for universal waste aerosol containers and waste handling. HSC 25201.16(f)
☐	3040004 Failed to manage universal waste in a manner to prevent release(s) to the environment. 22 CCR 66273.33; 66273.33.5
☐	3050003 Disposal of universal waste (UW) to an unauthorized point. HSC 25189.5(a), 25189(c),(d); 25189.2(c); 22 CCR 66273.31(a)

COUNTY OF SAN DIEGO

CORRECTIVE ACTION FORM TO DOCUMENT RETURN TO COMPLIANCE

FACILITY NAME: **Family Auto Service**
ADDRESS: **7191 ALVARADO RD**
CITY/ZIP: **LA MESA** /**91941**

INSPECTION DATE: **05/24/2017**
RECORD ID #: **DEH2010-HUPFP-212875**
SPECIALIST: **Donelle Griffin**
INSPECTION CONTACT: **Chris Parker**
TITLE: **Operations Manager**
PHONE: **(619) 469-1895**
E-MAIL: **familyautoservicelamesa@gmail.com**

VIOL#	DATE CORRECTED	INDICATE HOW VIOLATIONS WERE CORRECTED (Attach Any Supporting Documentation)	DUE DATE
#**1** HMD0226			06/23/2017
#**2** 3030010			06/23/2017

I certify under penalty of law that this facility has corrected all violations marked on the Compliance Inspection Report/Notice of Violation. I have personally examined and am familiar with the information submitted and believe the information is true, accurate and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information.

PRINTED NAME OF FACILITY REPRESENTATIVE	SIGNATURE		DATE SIGNED
TITLE OF FACILITY REPRESENTATIVE			

SEND COMPLETED FORM AND SUPPORTING DOCUMENTATION TO THE ADDRESS LISTED BELOW

COUNTY OF SAN DIEGO USE ONLY

REVIEWED BY: _____ DATE: _____

SPECIALIST'S COMMENTS:

☐ All violations noted on date listed above were corrected

☐ Based On Information Provided By The Facility

☐ Based On Field Verification By Specialist

☐ RTC entered by Specialist on: _____

☐ RTC entered by Office Assistant on: _____

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
http://www.sdcdeh.org 858-505-6880

PERMIT # LMWP-001561
A.P.N. # 469-020-34-00
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: SDG&E LINE 49-17 (5)

SITE ADDRESS: 7255 ALVARADO RD., LA MESA, CA 91942

PERMIT FOR: **1 GEOTECHNICAL BORING**

PERMIT APPROVAL DATE: FEBRUARY 23, 2015

PERMIT EXPIRES ON: JUNE 23, 2015

RESPONSIBLE PARTY: SAN DIEGO GAS & ELECTRIC (JOHN BLACK)

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, D-4. (http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html) In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.**

APPROVED BY:  Digitally signed by Veronica Tavizon-Hitchner
DN: cn=Veronica Tavizon-Hitchner, o=DEH/LWQ/MWP, ou=County of San Diego, email=veronica.tavizon@sdcounty.ca.gov, c=US
Date: 2015.02.23 09:29:53 -08'00'

DATE: 02/23/2015

VERONICA TAVIZON

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMWP# 001561
SAM CASE Y/N # NONE
DATE RECEIVED: 02/19/2015
FEE PAID: $200.00
CHECK # ONLINE

A. RESPONSIBLE PARTY San Diego Gas & Electric E-mail jblack@semprautilities.com
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 4848 Santa Fe Street City San Diego State CA Zip 92109
Contact Person John Black Phone 858.547.2039 Ext.____

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # ____

C. CONSULTING FIRM Kleinfelder Inc.
Mailing Address 550 West C Street, Suite 1200 City San Diego State CA Zip 92101
Registered Professional Kevin Crennan Phone 619.831.4600 Registration #54045(RCE)
E-mail kcrennan@kleinfelder.com
Contact Person Trampus Grindstaff Phone 619.831.4589 Ext____ Email tgrindstaff@kleinfelder.com

D. DRILLING COMPANY Cascasde Drilling C57#938110
Contact Name Manuel Marquez E-mail mmarquez@cascadedrilling.com
Mailing Address 11442 North Woodside Ave City San Diego State CA Zip 92071
Phone 619.596.0644 Ext.____

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☒ Boring	1
☐ Other	___

NUMBER OF WELLS TO BE DESTROYED

☐ Destruction ___

MATERIALS TO BE USED

CASING
Not Applicable X
Type ____
Gauge____
Diameter ____
Screen Size ____
Filter Pack ____

SEAL/BORING BACKFILL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other
Borehole diameter 6-inch

Drilling Method
☐ Auger ☐ Air Rotary
☐ Direct Push ☒ Sonic
☐ Other ____ ☐ Percussion

PROPOSED CONSTRUCTION
Estimated Groundwater Depth: 25 ft.
Estimated Depth of Boring: 45 ft.
Concrete Seal: 0 to 3
Annular Seal: ____to____
Filter Pack: ____to____
Perforation: ____to____

NOTE: Attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 2/19/2015

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk (858) 505-6688 with a complete well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

PG/RCE/CEG SIGNATURE Kevin Keenan DATE 2/19/15

F. SITE INFORMATION - A Property Owner Consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. Submit a separate sheet for additional parcels.

1. ASSESSOR'S PARCEL NUMBER 4690203400

Site Name SDG&E Line 49-17 (5)

Site Address 7255 Alvarado Road (70th St Trolley Station) City La Mesa Zip 91942 7243

PROPERTY OWNER San Diego Metropolitian Transit Systems

Phone 619.231.1466 Ext. _____ Fax _____

Mailing Address 1255 Imperial Ave # 1000 City San Diego State CA Zip92101

NUMBER OF WELLS _____ **TYPE OF WELLS** Geotechnical Boring - 1

2. ASSESSOR'S PARCEL NUMBER _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

G. QUESTIONNAIRE: Please answer all applicable questions completely *and submit any required supportive documentation*.

1. What is the purpose of the well/boring investigation?

   ☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

   DEH RWQCB DTSC

   ☐ b. Part of a Phase I investigation for property ownership transfer.

   ☒ c. Geotechnical investigation for proposed construction or land stabilization.

   ☐ d. Other: _____

2. If wells are to be destroyed, provide a description of method of destruction N/A

3. Are you proposing a variation from current SAM Manual Requirements for the construction or destruction of borings, Vadose and/or Groundwater Monitoring Wells? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (www.sdcdeh.org). Yes ☐ No ☒

H. FEES

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$200.00 for the first monitoring well	**$200.00**
Each Additional New Well	$161.00 for each additional well installation	_____ **x $161.00**
New Well Inspection	$99.00 for first new well inspection	**$99.00**
	$30.00 for each additional new well inspection	_____ **x $ 30.00**
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$200.00 for the first boring	1 **x $200.00** **200.00**
	$49.00 for each additional boring	_____ **x $ 49.00** _____
Permit for Well Destructions Only	$200.00 for the first destruction	_____ **x $200.00** _____
	$123.00 for each additional destruction	_____ **x $123.00** _____
Permit for any Combination of Well Installations, Borings, & Destructions ***(Except Enhanced Leak Detection)***	$200.00 for the first activity	_____ **x $200.00** _____
	$161.00 for each additional well	_____ **x $161.00** _____
	$99.00 for first well maintenance inspection	_____ **x $ 99.00** _____
	$ 30.00 for each additional well maintenance inspection	_____ **x $ 30.00** _____
	$123.00 for each well destruction	_____ **x $123.00** _____
	$ 49.00 for each additional boring	_____ **x $ 49.00** _____
Permit for Enhanced Leak Detection	**$320.00 (Flat Fee)**	**$**_____
	TOTAL COST OF PERMIT	**$ 200.00**

County of San Diego

JACK MILLER
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
858-505-6700/1-800-253-9933 FAX: 858-505-6891
www.sdcdeh.org

ELIZABETH POZZEBON
ASSISTANT DIRECTOR

PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address: San Diego Metropolitian Transit Systems (MTS)
MTS 70th Street Station Parking Lot, 7255 Alvarado Rd, La Mesa, CA 91942

Assessor's Parcel Number (APN): 4690203400

I, Paul Jablonski, owner of the property/properties listed above, give my permission to Kleinfelder West, Inc. (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☐ Destroy _____ monitoring wells ☒ Drill 1 soil borings

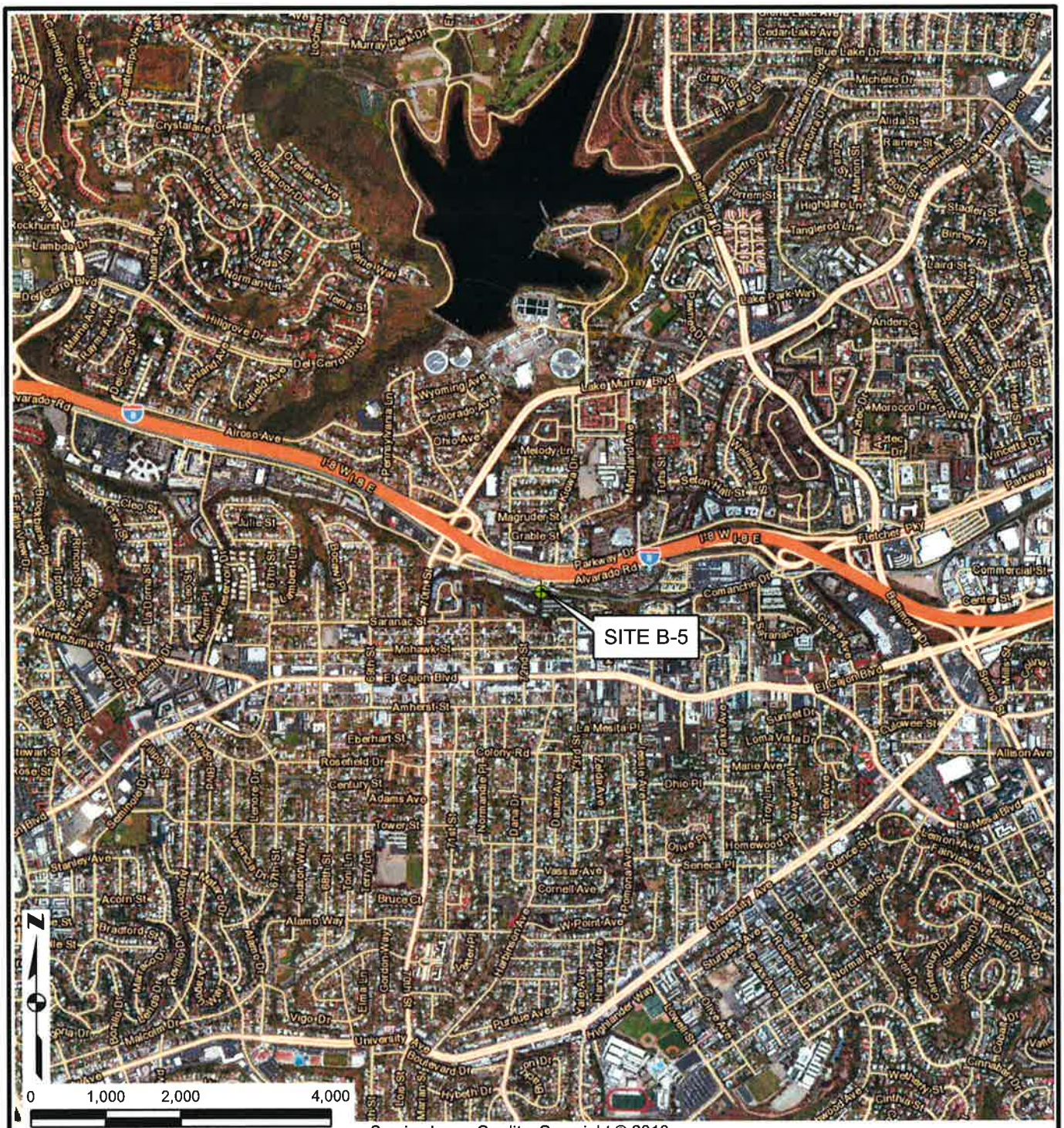
I understand that Kevin Crennan (registered professional) of Kleinfelder West, Inc. (consulting company) and an authorized signer for Cascade Drilling (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature: _____ Date: 2/17/15

Print Name: Paul Jablonski Title: CEO

Company: Metropolitan Transit System

Mailing Address: 1255 Imperial Avenue, Suite 1000, San Diego California 92101



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LEGEND

PROPOSED BORING LOCATION

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PROJECT NO.	20151782
DRAWN:	2/19/2015
DRAWN BY:	JP
CHECKED BY:	TG
FILE NAME:	20151782_Site_vic4.mxd

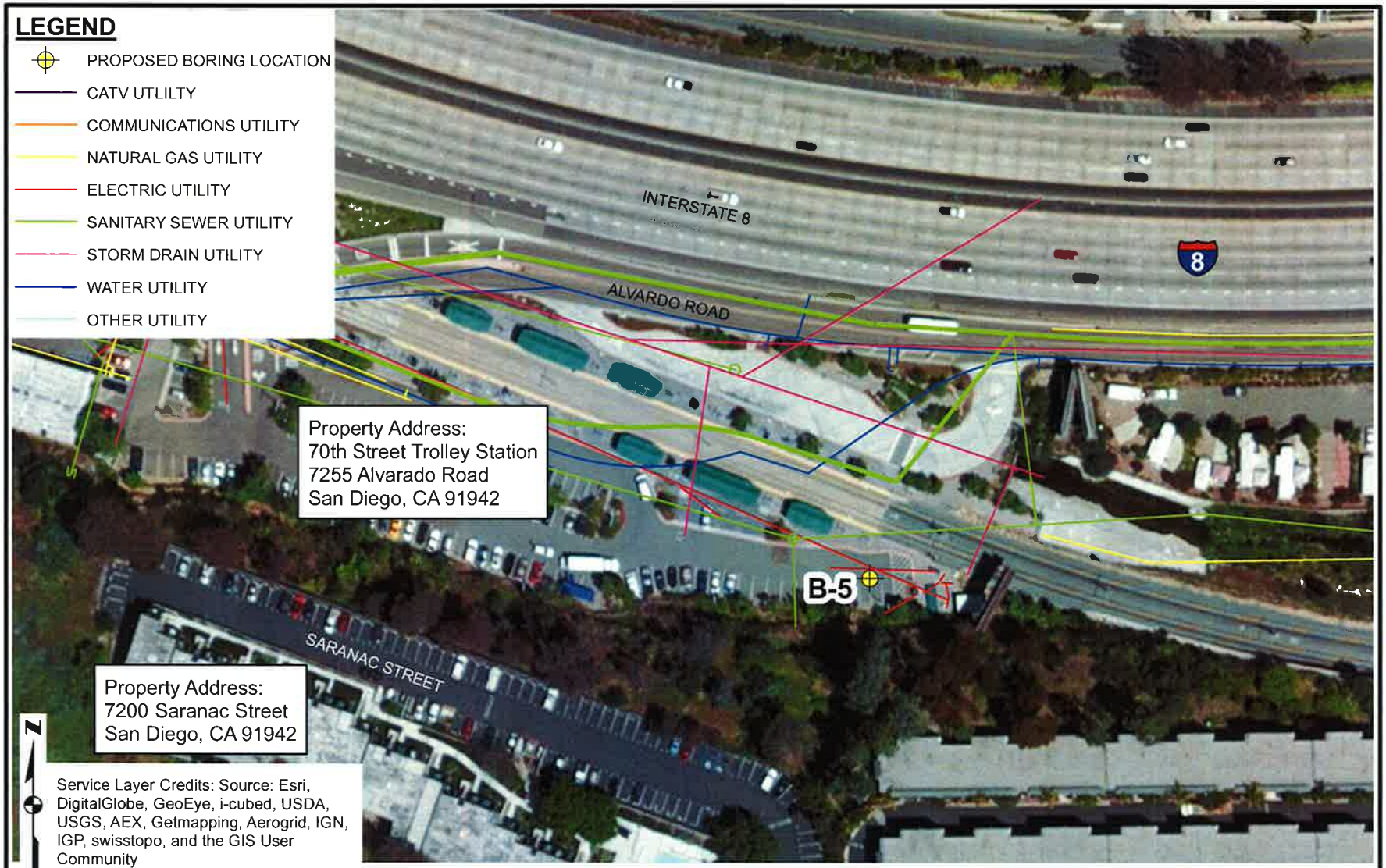
VICINITY MAP

CAMPOS
SDG&E LINE SL-49-17
SAN DIEGO, CALIFORNIA

PLATE
1

Date: 2/19/2015 User: jpalay Name: 20151782_Site_vic4 Path: J:_clients\Campos\20151782.001a - 49-1\7\20151782_Site_vic4.mxd

Date: 10/27/2014 User: jpatay Name: 20151782_Site70a Path: J:_clients\Campos\20151782.001a\20151782_Site70a.mxd



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PROJECT NO.	20151782
DRAWN:	10/27/2014
DRAWN BY:	JP
CHECKED BY:	TG
FILE NAME:	20151782_Site70a.mxd

PROPOSED BORING LOCATION MAP

CAMPOS
SDG&E LINE SL-49-17, 70th STREET TROLLEY AREA
SAN DIEGO, CALIFORNIA

PLATE
1

May 1, 2015
Project No. 20151782.001A

Ms. Veronica Tavizon
Monitoring Well Permit Desk
County of San Diego
Department of Environmental Health
Site Assessment Mitigation Program
5500 Overland Avenue, Suite 110
San Diego, California 92123

Subject: **60-Day Report**
San Diego Gas and Electric
Natural Gas Line 49-17 (Boring 5)
7255 Alvarado Road
La Mesa, California

APN: 469-020-34
Permit No. LMWP-001561
EST # NONE

Dear Ms. Tavizon:

Kleinfelder, Inc. (Kleinfelder), on behalf of Campos EPC, LLC performed a geotechnical and environmental study as part of a Pipeline Safety Enhancement Program (PSEP) for the proposed San Diego Gas and Electric (SDG&E) Natural Gas Line 49-17. Prior to our work at the site, Kleinfelder obtained permit number LMWP-001561 from the County Department of Environmental Health for one geotechnical soil boring. The project vicinity is shown on the attached Vicinity Map, Figure 1, and boring location is presented on Figure 2, Boring Location Map.

The drilling was conducted on February 25, 2015. Total depth, annular material volume, and backfill date are detailed in Table 1 below. A copy of the boring log and the approved boring/well permit are included for your reference in Appendix A and B, respectively. Please note the following information concerning our exploration:

1. Cascade Drilling Company performed drilling of the boring using a track-mounted Resonant Sonic drill rig. The boring was drilled using 6-inch outside diameter (OD) sonic drilling stems.
2. After drilling, the test boring was backfilled with bentonite grout using the tremie method to one-foot bgs and patched at surface with concrete and or asphalt to match existing site conditions. The table below gives approximate volumes of backfill used:

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550 West C Street, Suite 1200, San Diego, CA 92101 **p** | 619.831.4600 **f** | 619.232.1039

Table 1
Summary of Exploratory Borings

BORING NO.	TOTAL DEPTH (FT.)	VOLUME OF BENTONITE GROUT BACKFILL (CU.FT.)	DATE OF EXPLORATION	DATE OF BACKFILLING
B-5	45	8.8	2/25/2015	2/25/2015

3. The boring was drilled for in-situ soil sampling, visual soil classification purposes, and environmental testing. Excess soil cuttings were stored in Department of Transportation (DOT) approved 55-gallon drums and characterized prior to offsite disposal according to San Diego County SAM Manual guidelines. Laboratory analytical results are included in Appendix C. Based on the results of the analytical testing, environmental impairment of the soil cuttings was not found.
4. The following analytical methods were used for waste characterization of the soil:
   - Total Petroleum Hydrocarbons by EPA Method 8015B;
   - Volatile Organic Compounds (including BTEX) by EPA Method 8260B;
   - Organo Chlorine Pesticides (OCPS) by EPA Method 8081A;
   - Poly-Chlorinated Biphenyls (PCBs) by EPA Method 8082;
   - Poly-Aromatic Hydrocarbons (PAHs) by EPA Method 8270C; and
   - Title 22 Metals by EPA Method 6010B.
5. No monitoring wells were installed or destroyed as part of our study.

Please contact the undersigned at (619) 831-4600 if you have any questions.

Sincerely,

KLEINFELDER



Kevin Crennan, PE, GE 2511
Senior Engineer

KC:ws

Attachments: Figure 1 – Vicinity Map
Figure 2 - Boring Location Map
Appendix A – Boring Log
Appendix B – DEH permit
Appendix C – Laboratory Analytical Results

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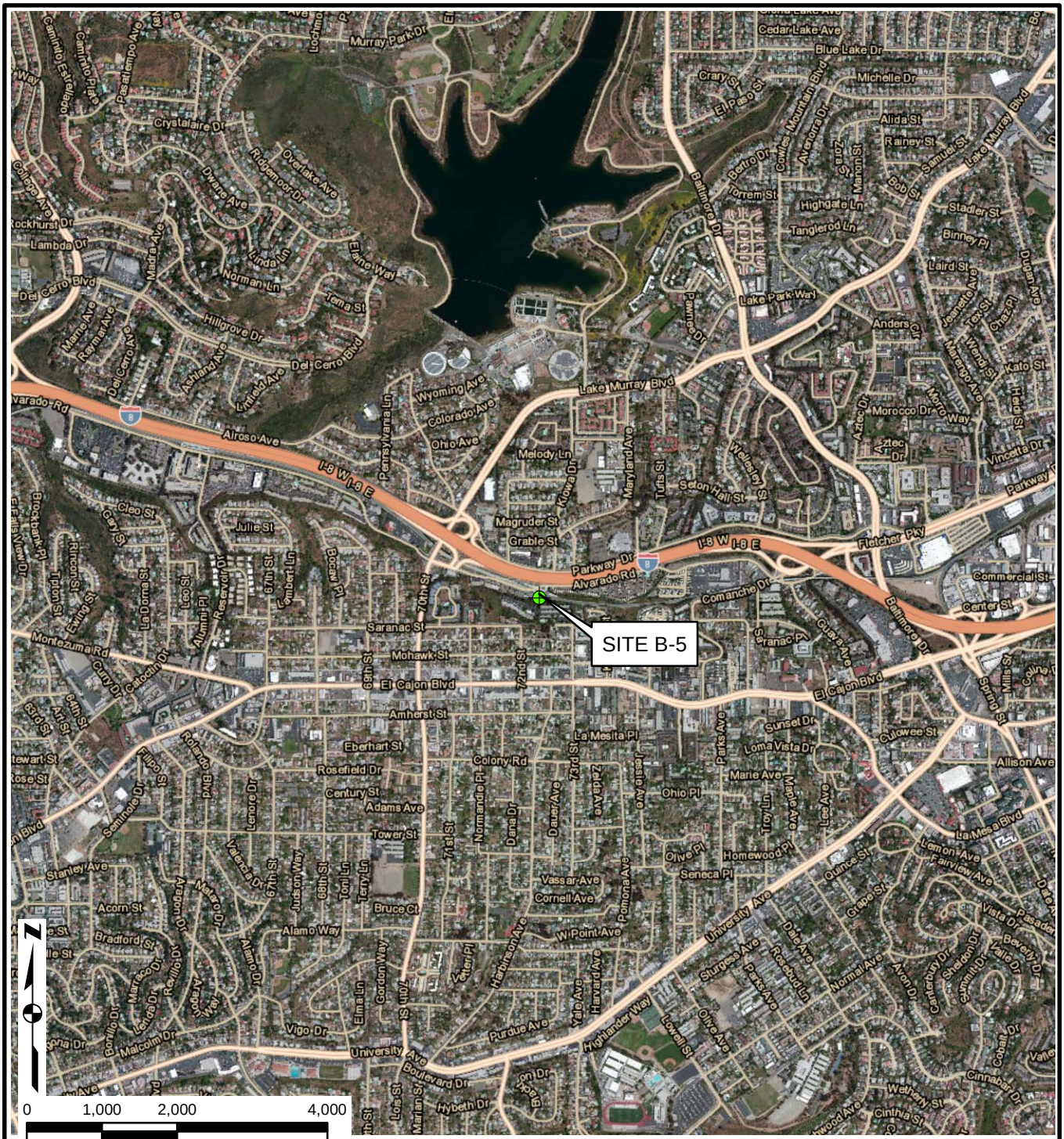
FIGURES



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LEGEND

BORING LOCATION

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VICINITY MAP

CAMPOS
SDG&E LINE SL-49-17
SAN DIEGO, CALIFORNIA

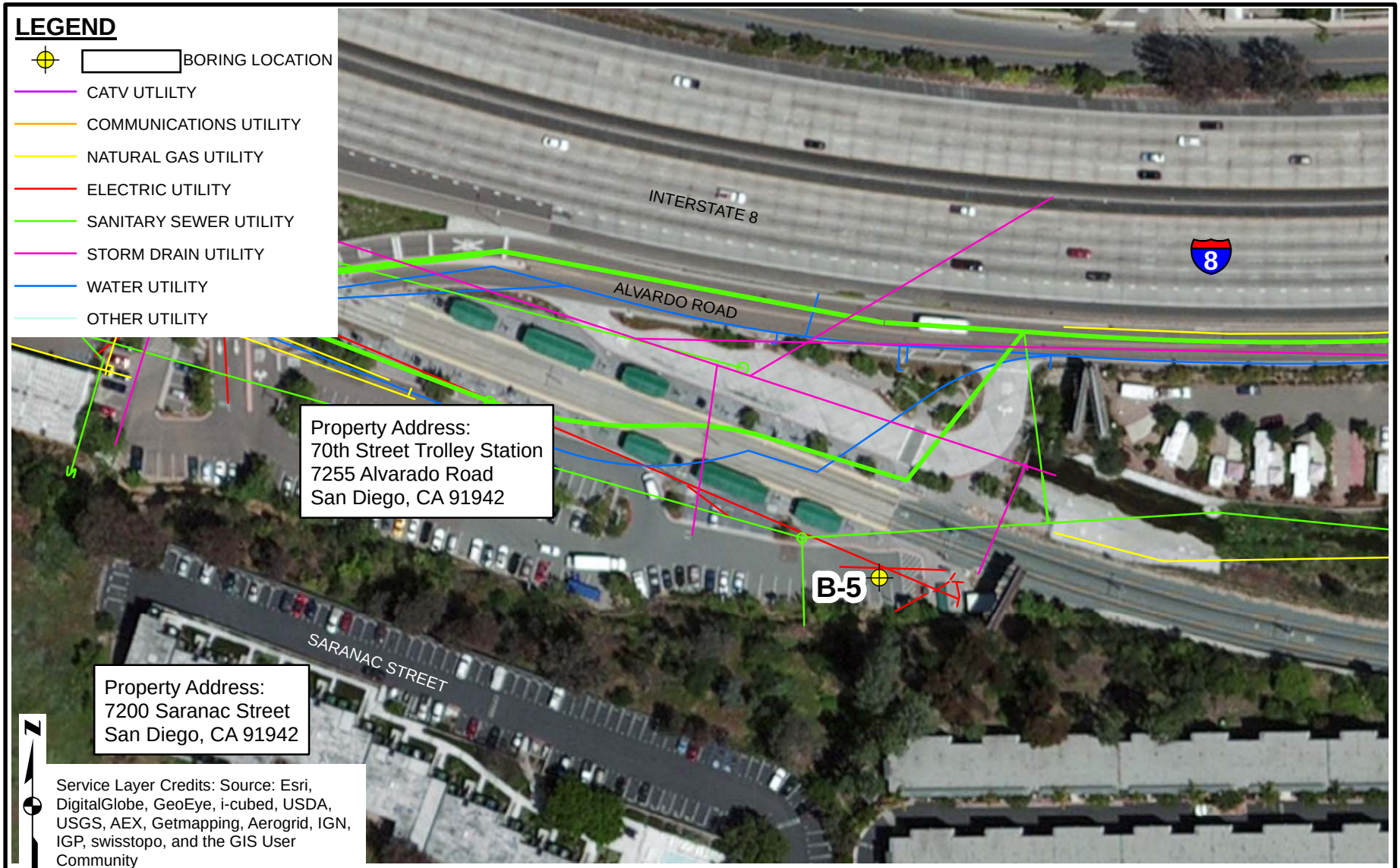
FIGURE 1

Date: 2/19/2015 User: jpatay Name: 20151782_Site_vic4 Path: J:_clients\Campos\20151782.001a - 49-17\20151782_Site_vic4.mxd

Date: 10/27/2014 User: jpatay Name: 20151782_Site70a Path: J:_clients\Campos\20151782.001a\20151782_Site70a.mxd

LEGEND

- BORING LOCATION
- CATV UTLILTY
- COMMUNICATIONS UTILITY
- NATURAL GAS UTILITY
- ELECTRIC UTILITY
- SANITARY SEWER UTILITY
- STORM DRAIN UTILITY
- WATER UTILITY
- OTHER UTILITY



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0 50 100 200

Feet

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FILE NAME:	20151782_Site70a.mxd

BORING LOCATION MAP

CAMPOS
SDG&E LINE SL-49-17, 70th STREET TROLLEY AREA
SAN DIEGO, CALIFORNIA

FIGURE
2

APPENDIX A
Boring Log

PLOTTED: 02/11/2015 03:15 PM BY: ekoprulu

SAMPLE/SAMPLER TYPE GRAPHICS

BULK SAMPLE

CONTINUOUS SAMPLER

GROUND WATER GRAPHICS

WATER LEVEL (level where first observed)

WATER LEVEL (level after exploration completion)

WATER LEVEL (additional levels after exploration)

OBSERVED SEEPAGE

NOTES

- The report and graphics key are an integral part of these logs. All data and interpretations in this log are subject to the explanations and limitations stated in the report.
- Lines separating strata on the logs represent approximate boundaries only. Actual transitions may be gradual or differ from those shown.
- No warranty is provided as to the continuity of soil or rock conditions between individual sample locations.
- Logs represent general soil or rock conditions observed at the point of exploration on the date indicated.
- In general, Unified Soil Classification System designations presented on the logs were based on visual classification in the field and were modified where appropriate based on gradation and index property testing.
- Fine grained soils that plot within the hatched area on the Plasticity Chart, and coarse grained soils with between 5% and 12% passing the No. 200 sieve require dual USCS symbols, ie., GW-GM, GP-GM, GW-GC, GP-GC, GC-GM, SW-SM, SP-SM, SW-SC, SP-SC, SC-SM.
- If sampler is not able to be driven at least 6 inches then 50/X indicates number of blows required to drive the identified sampler X inches with a 140 pound hammer falling 30 inches.

UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2487)

COARSE GRAINED SOILS (More than half of material is larger than the #200 sieve)	**GRAVELS** (More than half of coarse fraction is larger than the #4 sieve)	CLEAN GRAVEL WITH <5% FINES	$Cu \geq 4$ and $1 \leq Cc \leq 3$		**GW**	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
			$Cu < 4$ and/ or $1 > Cc > 3$		**GP**	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
		GRAVELS WITH 5% TO 12% FINES	$Cu \geq 4$ and $1 \leq Cc \leq 3$		**GW-GM**	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES
					GW-GC	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES
			$Cu < 4$ and/ or $1 > Cc > 3$		**GP-GM**	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES
					GP-GC	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES
		GRAVELS WITH > 12% FINES			**GM**	SILTY GRAVELS, GRAVEL-SILT-SAND MIXTURES
					GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
					GC-GM	CLAYEY GRAVELS, GRAVEL-SAND-CLAY-SILT MIXTURES
	SANDS (More than half of coarse fraction is smaller than the #4 sieve)	CLEAN SANDS WITH <5% FINES	$Cu \geq 6$ and $1 \leq Cc \leq 3$		**SW**	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
			$Cu < 6$ and/ or $1 > Cc > 3$		**SP**	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
		SANDS WITH 5% TO 12% FINES	$Cu \geq 6$ and $1 \leq Cc \leq 3$		**SW-SM**	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES
					SW-SC	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES
			$Cu < 6$ and/ or $1 > Cc > 3$		**SP-SM**	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES
					SP-SC	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES
		SANDS WITH > 12% FINES			**SM**	SILTY SANDS, SAND-GRAVEL-SILT MIXTURES
					SC	CLAYEY SANDS, SAND-GRAVEL-CLAY MIXTURES
					SC-SM	CLAYEY SANDS, SAND-SILT-CLAY MIXTURES

FINE GRAINED SOILS (More than half of material is smaller than the #200 sieve)	SILTS AND CLAYS (Liquid Limit less than 50)	**ML**	INORGANIC SILTS AND VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, SILTS WITH SLIGHT PLASTICITY
		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		CL-ML	INORGANIC CLAYS-SILTS OF LOW PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS (Liquid Limit greater than 50)	**MH**	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT
		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
		OH	ORGANIC CLAYS & ORGANIC SILTS OF MEDIUM-TO-HIGH PLASTICITY

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PROJECT NO.:	20151782
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CHECKED BY:	SR
DATE:	4/13/2015
REVISED:	

GRAPHICS KEY

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE

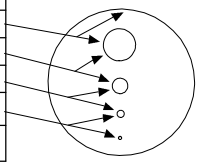
A-1

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [GEO-LEGEND 1 (GRAPHICS KEY) WITH USCS]

PLOTTED: 02/11/2015 03:16 PM BY: ekoprulu

GRAIN SIZE

DESCRIPTION		SIEVE SIZE	GRAIN SIZE	APPROXIMATE SIZE
Boulders		>12 in. (304.8 mm.)	>12 in. (304.8 mm.)	Larger than basketball-sized
Cobbles		3 - 12 in. (76.2 - 304.8 mm.)	3 - 12 in. (76.2 - 304.8 mm.)	Fist-sized to basketball-sized
Gravel	coarse	3/4 -3 in. (19 - 76.2 mm.)	3/4 -3 in. (19 - 76.2 mm.)	Thumb-sized to fist-sized
	fine	#4 - 3/4 in. (#4 - 19 mm.)	0.19 - 0.75 in. (4.8 - 19 mm.)	Pea-sized to thumb-sized
Sand	coarse	#10 - #4	0.079 - 0.19 in. (2 - 4.9 mm.)	Rock salt-sized to pea-sized
	medium	#40 - #10	0.017 - 0.079 in. (0.43 - 2 mm.)	Sugar-sized to rock salt-sized
	fine	#200 - #10	0.0029 - 0.017 in. (0.07 - 0.43 mm.)	Flour-sized to sugar-sized
Fines		Passing #200	<0.0029 in. (<0.07 mm.)	Flour-sized and smaller

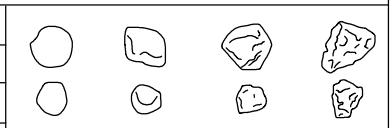


Munsell Color

NAME	ABBR
Red	R
Yellow Red	YR
Yellow	Y
Green Yellow	GY
Green	G
Blue Green	BG
Blue	B
Purple Blue	PB
Purple	P
Red Purple	RP
Black	N

ANGULARITY

DESCRIPTION	CRITERIA
Angular	Particles have sharp edges and relatively plane sides with unpolished surfaces
Subangular	Particles are similar to angular description but have rounded edges
Subrounded	Particles have nearly plane sides but have well-rounded corners and edges
Rounded	Particles have smoothly curved sides and no edges



Particles Present

Amount	Percentage
trace	<5
few	5-10
little	15-25
some	30-45
and	50
mostly	50-100

PLASTICITY

DESCRIPTION	LL	FIELD TEST
Non-plastic	NP	A 1/8-in. (3 mm.) thread cannot be rolled at any water content.
Low (L)	< 30	The thread can barely be rolled and the lump or thread cannot be formed when drier than the plastic limit.
Medium (M)	30 - 50	The thread is easy to roll and not much time is required to reach the plastic limit. The thread cannot be rerolled after reaching the plastic limit. The lump or thread crumbles when drier than the plastic limit
High (H)	> 50	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump or thread can be formed without crumbling when drier than the plastic limit

MOISTURE CONTENT

DESCRIPTION	FIELD TEST
Dry	Absence of moisture, dusty, dry to the touch
Moist	Damp but no visible water
Wet	Visible free water, usually soil is below water table

REACTION WITH HYDROCHLORIC ACID

DESCRIPTION	FIELD TEST
None	No visible reaction
Weak	Some reaction, with bubbles forming slowly
Strong	Violent reaction, with bubbles forming immediately

APPARENT / RELATIVE DENSITY - COARSE-GRAINED SOIL

APPARENT DENSITY	SPT-N_{60} (# blows/ft)	MODIFIED CA SAMPLER (# blows/ft)	CALIFORNIA SAMPLER (# blows/ft)	RELATIVE DENSITY (%)
Very Loose	<4	<4	<5	0 - 15
Loose	4 - 10	5 - 12	5 - 15	15 - 35
Medium Dense	10 - 30	12 - 35	15 - 40	35 - 65
Dense	30 - 50	35 - 60	40 - 70	65 - 85
Very Dense	>50	>60	>70	85 - 100

NOTE: AFTER TERZAGHI AND PECK, 1948

CONSISTENCY - FINE-GRAINED SOIL

CONSISTENCY	UNCONFINED COMPRESSIVE STRENGTH (q_u)(psf)	CRITERIA
Very Soft	< 1000	Thumb will penetrate soil more than 1 in. (25 mm.)
Soft	1000 - 2000	Thumb will penetrate soil about 1 in. (25 mm.)
Firm	2000 - 4000	Thumb will indent soil about 1/4-in. (6 mm.)
Hard	4000 - 8000	Thumb will not indent soil but readily indented with thumbnail
Very Hard	> 8000	Thumbnail will not indent soil

STRUCTURE

DESCRIPTION	CRITERIA
Stratified	Alternating layers of varying material or color with layers at least 1/4-in. thick, note thickness
Laminated	Alternating layers of varying material or color with the layer less than 1/4-in. thick, note thickness
Fissured	Breaks along definite planes of fracture with little resistance to fracturing
Slickensided	Fracture planes appear polished or glossy, sometimes striated
Blocky	Cohesive soil that can be broken down into small angular lumps which resist further breakdown
Lensed	Inclusion of small pockets of different soils, such as small lenses of sand scattered through a mass of clay; note thickness
Homogeneous	Same color and appearance throughout

CEMENTATION

DESCRIPTION	FIELD TEST
Weakly	Crumbles or breaks with handling or slight finger pressure
Moderately	Crumbles or breaks with considerable finger pressure
Strongly	Will not crumble or break with finger pressure

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PROJECT NO.:	20151782
DRAWN BY:	EK
CHECKED BY:	SR
DATE:	4/13/2015
REVISED:	

SOIL DESCRIPTION KEY

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE

A-2

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [GEO-LEGEND 2 (SOIL DESCRIPTION KEY)]

PLOTTED: 03/20/2015 04:15 PM BY: jco

Date Begin - End: 2/25/2015 **Drilling Company:** Cascade Drilling

BORING LOG B-5

Logged By: E. Koprulu **Drill Crew:** Carlos/Daniel

Hor.-Vert. Datum: MSL - NAVD88 **Drilling Equipment:** Spyder **Hammer Type - Drop:** N/A lb. N/A - N/A in.

Plunge: -90 degrees **Drilling Method:** Resonant Sonic

Weather: Not Available **Exploration Diameter:** 6 in. O.D.

FIELD EXPLORATION

Latitude: 32.77195° N
Longitude: -117.04199° W
Approximate Ground Surface Elevation (ft.): 406
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
			4 inches of asphalt concrete												
			2 inches of aggregate base												
405			**Artificial Fill (af)** **Clayey SAND with Gravel (SC)**: fine to coarse-grained, non-plastic, dark brown (7.5YR 3/2), moist												
			Colluvium (Qcol)												PID = 0.0 ppm
	5		**Sandy SILT with Gravel (ML)**: fine-grained, low plasticity, dark brown (7.5YR 3/2) to black (10YR 2/1), wet, fine to coarse grained rounded gravel, micaceous	1							82	21			
400															PID = 0.0 ppm
			Stadium Conglomerate (Tst) **Clayey SAND with Gravel (SC)**: fine to coarse-grained, non-plastic, olive (5Y 5/6) to olive brown (2.5Y 4/4), moist, up to 5-6" diameter 20-30% rounded to subrounded cobbles												PID = 0.0 ppm
	10														
395															PID = 0.0 ppm
				2				GP-GM			40	10			
			non-plastic, increase in cobble content approximately 30-40%												
	15														
390															
			non-plastic, becomes reddish brown (2.5YR 4/4), increase in sand content, decrease in cobble content, approximately 10-20%, up to 4-5" diameter	3							97	22			PID = 0.0 ppm
	20														
385			non-plastic, becomes olive brown to olive (5Y 5/6) and reddish brown (2.5YR 4/4), increase in fines content, cobbles up to 6" diameter, 20-30% rounded to subrounded cobbles												
			non-plastic, same as above, increase in sand content, increase in cobble content 20-40% rounded to subrounded cobbles												
	25														PID = 0.0 ppm
380				4											
			same as above, decrease in cobble content, approximately 20-30%												

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.: 20151782
DRAWN BY: EK
CHECKED BY: SR
DATE: 4/13/2015
REVISED: -

BORING LOG B-5

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE
A-11

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2014.GLB [KLF_BORING/TEST PIT SOIL LOG]

PLOTTED: 03/20/2015 04:15 PM BY: jco

BORING LOG B-5

Date Begin - End:	2/25/2015	**Drilling Company:**	Cascade Drilling		
Logged By:	E. Koprulu	**Drill Crew:**	Carlos/Daniel		
Hor.-Vert. Datum:	MSL - NAVD88	**Drilling Equipment:**	Spyder	**Hammer Type - Drop:**	N/A lb. N/A - N/A in.
Plunge:	-90 degrees	**Drilling Method:**	Resonant Sonic		
Weather:	Not Available	**Exploration Diameter:**	6 in. O.D.		

FIELD EXPLORATION

Latitude: 32.77195° N
Longitude: -117.04199° W
Approximate Ground Surface Elevation (ft.): 406
Surface Condition: Asphalt

Approximate Elevation (feet)	Depth (feet)	Graphical Log	Lithologic Description	Sample Number	Sample Type	Blow Counts(BC)= Uncorr. Blows/6 in.	Recovery (NR=No Recovery)	USCS Symbol	Water Content (%)	Dry Unit Wt. (pcf)	Passing #4 (%)	Passing #200 (%)	Liquid Limit	Plasticity Index (NP=NonPlastic)	Additional Tests/ Remarks
375			**Poorly-graded SAND with Silt (SP-SM)**: fine to coarse-grained, non-plastic, olive (5Y 5/6) to reddish brown (2.5YR 4/4), wet, trace gravel, micaceous												PID = 0.0 ppm
				5	X										
	35		**Sandy CLAY (CL)**: fine to coarse-grained, low plasticity, grayish brown (2.5Y 4/2), moist, fine grained trace gravel												
370				6	X										
			Clayey SAND with Gravel and Cobbles (SC): fine to coarse-grained, non-plastic, olive (5Y 5/6) to olive brown (2.5Y 4/4), moist, up to 6" diameter 30% rounded cobbles												PID = 0.0 ppm
	40		same as above												
365															
	45														
360			The exploration was terminated at approximately 45 ft. below ground surface. The exploration was backfilled with bentonite and grout on February 25, 2015.												
	50														
355															
	55														
350															

LABORATORY RESULTS

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 8 ft. below ground surface during drilling.

GENERAL NOTES:
The exploration location and elevation are approximate and were estimated by Kleinfelder.
A Garmin E-trex GPS unit was used to locate the exploration with an accuracy of 10 feet.

gINT FILE: PROJECTWISE: Psep 49-17.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2014.GLB [KLF_BORING/TEST PIT SOIL LOG]

KLEINFELDER
Bright People. Right Solutions.

PROJECT NO.:	20151782
DRAWN BY:	EK
CHECKED BY:	SR
DATE:	4/13/2015
REVISED:	

BORING LOG B-5

SDG&E NATURAL GAS LINE 49-17
PIPELINE SAFETY ENHANCEMENT PLAN
SAN DIEGO, CALIFORNIA

FIGURE
A-12

KLEINFELDER - 550 West C Street, Suite 1200 | San Diego, CA 92101 | PH: 858.320.2000 | FAX: 858.320.2001 | www.kleinfelder.com

APPENDIX B
DEH Permit

PERMIT # LMWP-001561
A.P.N. # 469-020-34-00
EST # NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: SDG&E LINE 49-17 (5)

SITE ADDRESS: 7255 ALVARADO RD., LA MESA, CA 91942

PERMIT FOR: **1 GEOTECHNICAL BORING**

PERMIT APPROVAL DATE: FEBRUARY 23, 2015

PERMIT EXPIRES ON: JUNE 23, 2015

RESPONSIBLE PARTY: SAN DIEGO GAS & ELECTRIC (JOHN BLACK)

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. All borings must be properly destroyed within 24 hours of drilling.

3. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

4. This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, II, D-4. (http://www.sdcounty.ca.gov/deh/lwg/sam/manual_guidelines.html) In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

5. Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

6. **This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at (858) 505-6688.**

APPROVED BY: _____ DATE: 02/23/2015
VERONICA TAVIZON

PERMIT APPLICATION GROUNDWATER AND VADOSE MONITORING WELLS AND EXPLORATORY OR TEST BORINGS

OFFICE USE ONLY
PERMIT LMWP# 001561
SAM CASE Y/N # NONE
DATE RECEIVED: 02/19/2015
FEE PAID: $200.00
CHECK # ONLINE

A. RESPONSIBLE PARTY San Diego Gas & Electric E-mail jblack@semprautilities.com
(The person, persons, or company responsible for the construction, maintenance, and destruction of the proposed borings and/or wells.)
Mailing Address 4848 Santa Fe Street City San Diego State CA Zip 92109
Contact Person John Black Phone 858.547.2039 Ext.____

B. SITE ASSESSMENT PROJECT NUMBER – IF APPLICABLE # ____

C. CONSULTING FIRM Kleinfelder Inc.
Mailing Address 550 West C Street, Suite 1200 City San Diego State CA Zip 92101
Registered Professional Kevin Crennan Phone 619.831.4600 Registration #54045(RCE)
E-mail kcrennan@kleinfelder.com
Contact Person Trampus Grindstaff Phone 619.831.4589 Ext____ Email tgrindstaff@kleinfelder.com

D. DRILLING COMPANY Cascasde Drilling C57#938110
Contact Name Manuel Marquez E-mail mmarquez@cascadedrilling.com
Mailing Address 11442 North Woodside Ave City San Diego State CA Zip 92071
Phone 619.596.0644 Ext.____

E. CONSTRUCTION INFORMATION

TYPE OF WELLS/ BORINGS TO BE CONSTRUCTED

	#
☐ Groundwater	___
☐ Vadose	___
☒ Boring	1
☐ Other	___

NUMBER OF WELLS TO BE DESTROYED

☐ Destruction ___

MATERIALS TO BE USED

CASING
Not Applicable X
Type ____
Gauge____
Diameter ____
Screen Size ____
Filter Pack ____

SEAL/BORING BACKFILL
☐ Neat Cement
☒ Cement & Bentonite
☐ Sand-Cement
☐ Bentonite
☐ Other
Borehole diameter 6-inch

Drilling Method
☐ Auger ☐ Air Rotary
☐ Direct Push ☒ Sonic
☐ Other ____ ☐ Percussion

PROPOSED CONSTRUCTION
Estimated Groundwater Depth: 25 ft.
Estimated Depth of Boring: 45 ft.
Concrete Seal: 0 to 3
Annular Seal: ____to____
Filter Pack: ____to____
Perforation: ____to____

NOTE: Attach a well construction diagram

I agree to comply with the requirements of the current Site Assessment and Mitigation Manual, and with all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction.

DRILLER'S SIGNATURE _____ DATE 2/19/2015

Within 60 days of completion, I will furnish the Monitoring Well Permit Desk (858) 505-6688 with a complete well/boring log. I will certify the design and construction or destruction of the well/borings in accordance with the permit application.

PG/RCE/CEG SIGNATURE Kevin Keenan DATE 2/19/15

F. SITE INFORMATION - A Property Owner Consent agreement is required for all applications, except for onsite, open LOP/SAM site assessment cases, Caltrans properties and military properties. Submit a separate sheet for additional parcels.

1. ASSESSOR'S PARCEL NUMBER 4690203400

Site Name SDG&E Line 49-17 (5)

Site Address 7255 Alvarado Road (70th St Trolley Station) City La Mesa Zip 91942 7243

PROPERTY OWNER San Diego Metropolitian Transit Systems

Phone 619.231.1466 Ext. _____ Fax _____

Mailing Address 1255 Imperial Ave # 1000 City San Diego State CA Zip92101

NUMBER OF WELLS _____ **TYPE OF WELLS** Geotechnical Boring - 1

2. ASSESSOR'S PARCEL NUMBER _____

Site Address _____ City _____ Zip _____

PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

NUMBER OF WELLS _____ **TYPE OF WELLS** _____

G. QUESTIONNAIRE: Please answer all applicable questions completely *and submit any required supportive documentation*.

1. What is the purpose of the well/boring investigation?

   ☐ a. Part of an ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency and the case number.

   DEH RWQCB DTSC

   ☐ b. Part of a Phase I investigation for property ownership transfer.

   ☒ c. Geotechnical investigation for proposed construction or land stabilization.

   ☐ d. Other: _____

2. If wells are to be destroyed, provide a description of method of destruction N/A

3. Are you proposing a variation from current SAM Manual Requirements for the construction or destruction of borings, Vadose and/or Groundwater Monitoring Wells? If yes, specify these variations and include a well construction diagram and all required supporting documentation. Refer to the SAM Manual Appendix B for monitoring well guidelines (www.sdcdeh.org). Yes ☐ No ☒

H. FEES

ACTIVITY	FEE SCHEDULE	AMOUNT
Permit for Well Installations Only (Groundwater Monitoring Wells, Vadose, Vapor Extraction Wells)	$200.00 for the first monitoring well	**$200.00**
Each Additional New Well	$161.00 for each additional well installation	_____ **x $161.00**
New Well Inspection	$99.00 for first new well inspection	**$99.00**
	$30.00 for each additional new well inspection	_____ **x $ 30.00**
Permit for Borings Only *(CPT's, Hydropunch, Geoprobes, Temporary Well Points, etc.)*	$200.00 for the first boring	1 **x $200.00** **200.00**
	$49.00 for each additional boring	_____ **x $ 49.00** _____
Permit for Well Destructions Only	$200.00 for the first destruction	_____ **x $200.00** _____
	$123.00 for each additional destruction	_____ **x $123.00** _____
Permit for any Combination of Well Installations, Borings, & Destructions ***(Except Enhanced Leak Detection)***	$200.00 for the first activity	_____ **x $200.00** _____
	$161.00 for each additional well	_____ **x $161.00** _____
	$99.00 for first well maintenance inspection	_____ **x $ 99.00** _____
	$ 30.00 for each additional well maintenance inspection	_____ **x $ 30.00** _____
	$123.00 for each well destruction	_____ **x $123.00** _____
	$ 49.00 for each additional boring	_____ **x $ 49.00** _____
Permit for Enhanced Leak Detection	**$320.00 (Flat Fee)**	**$**_____
	TOTAL COST OF PERMIT	**$ 200.00**

County of San Diego

JACK MILLER
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
858-505-6700/1-800-253-9933 FAX: 858-505-6891
www.sdcdeh.org

ELIZABETH POZZEBON
ASSISTANT DIRECTOR

PROPERTY OWNER CONSENT

Proposed locations for subsurface work:

Property Address: San Diego Metropolitian Transit Systems (MTS)
MTS 70th Street Station Parking Lot, 7255 Alvarado Rd, La Mesa, CA 91942

Assessor's Parcel Number (APN): 4690203400

I, Paul Jablonski, owner of the property/properties listed above, give my permission to Kleinfelder West, Inc. (consulting company, contractor) to conduct the following work at the locations stated above.

☐ Install _____ monitoring wells ☐ Destroy _____ monitoring wells ☒ Drill 1 soil borings

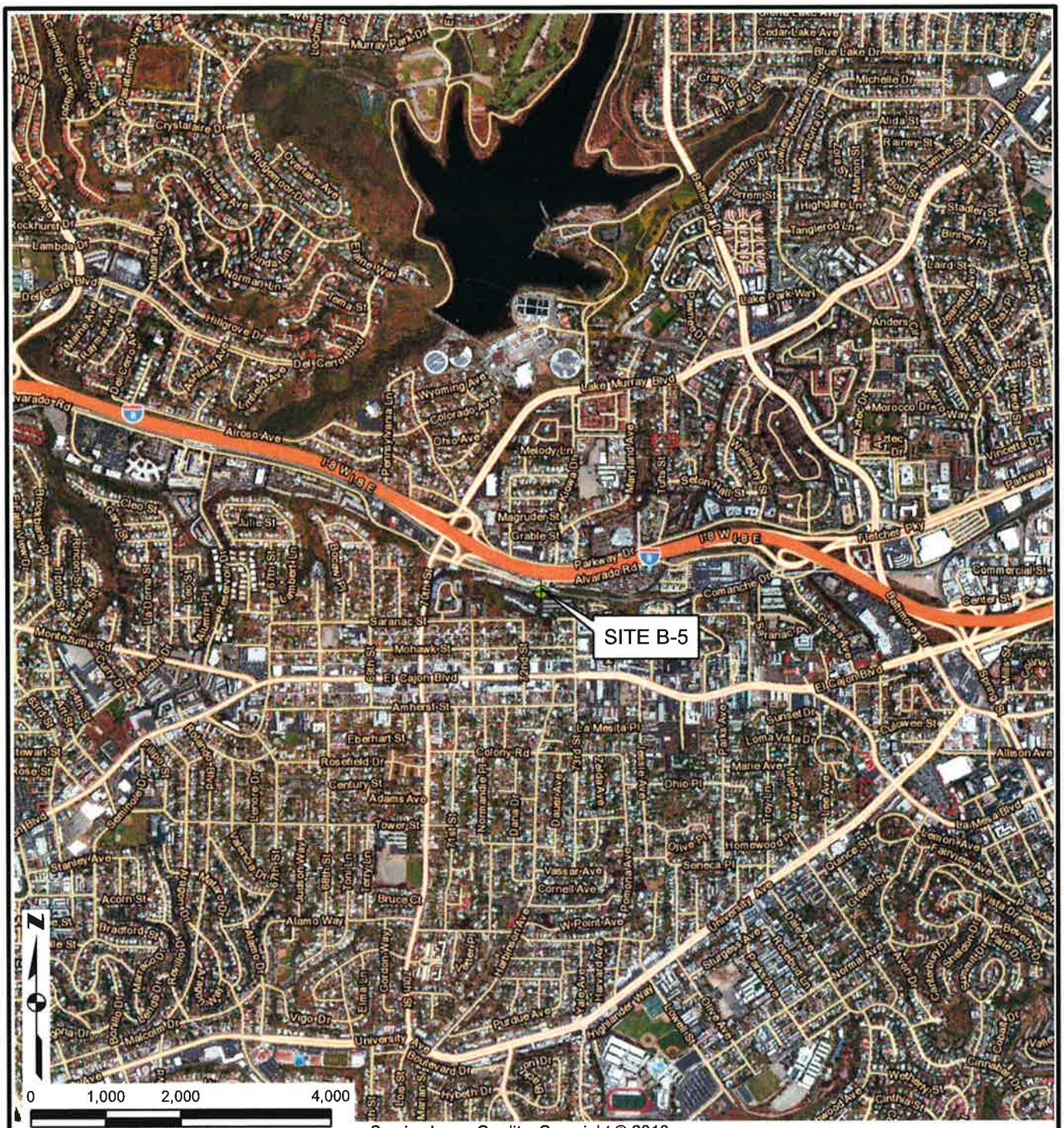
I understand that Kevin Crennan (registered professional) of Kleinfelder West, Inc. (consulting company) and an authorized signer for Cascade Drilling (drilling company) have submitted a signed application to the Department of Environmental Health in which they have agreed to complete the above-stated work according the requirements of the current SAM Manual, all ordinances and laws of the County of San Diego and the State of California pertaining to well/boring construction and destruction. I have arranged with the Responsible Party, the person who causes to have monitoring wells/borings installed or existing wells destroyed on this property, to ensure proper closure of the monitoring wells/borings.

Property Owner Signature: _____ Date: 2/17/15

Print Name: Paul Jablonski Title: CEO

Company: Metropolitan Transit System

Mailing Address: 1255 Imperial Avenue, Suite 1000, San Diego California 92101



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LEGEND

PROPOSED BORING LOCATION

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PROJECT NO.	20151782
DRAWN:	2/19/2015
DRAWN BY:	JP
CHECKED BY:	TG
FILE NAME:	20151782_Site_vic4.mxd

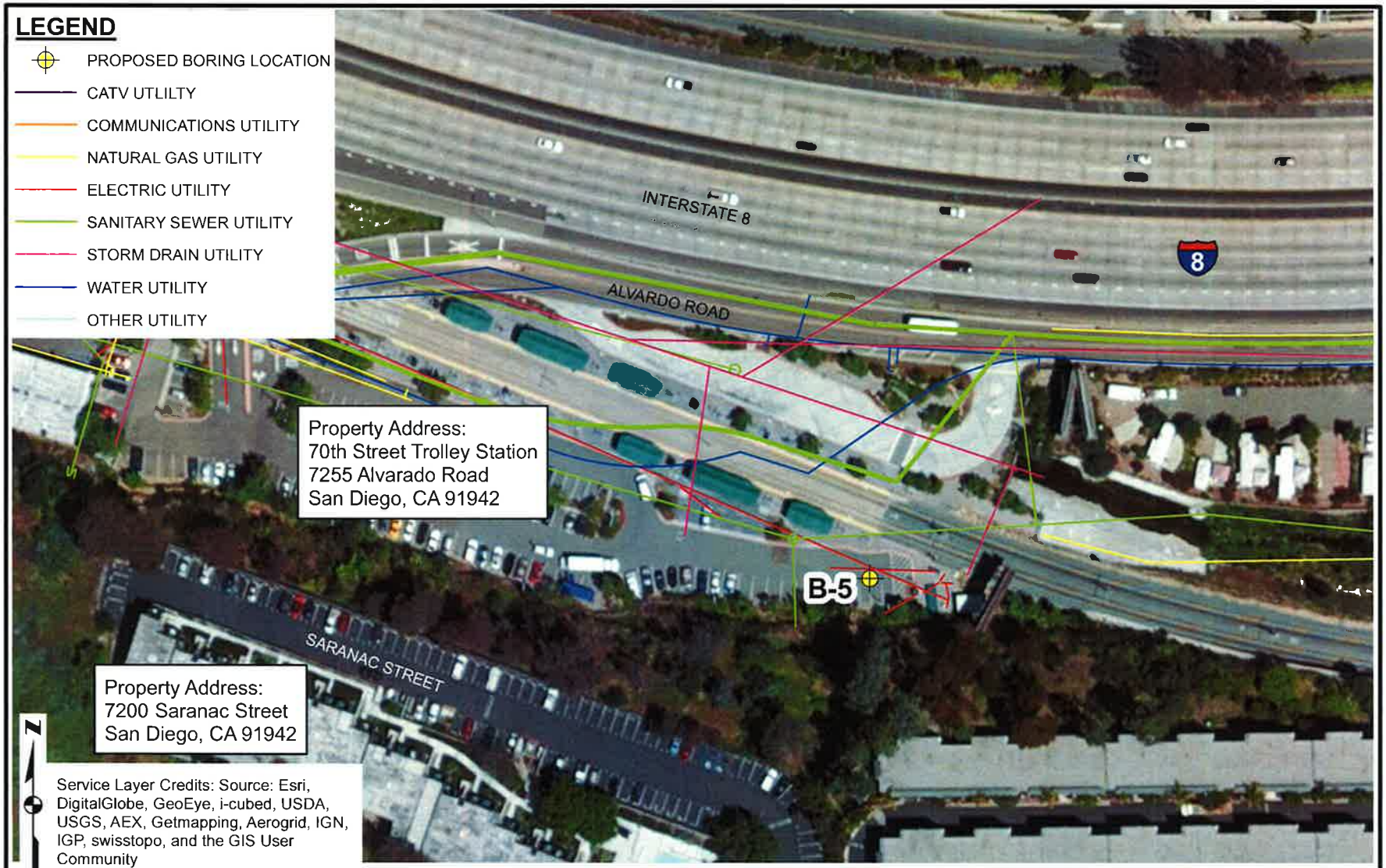
VICINITY MAP

CAMPOS
SDG&E LINE SL-49-17
SAN DIEGO, CALIFORNIA

PLATE
1

Date: 2/19/2015 User: jpalay Name: 20151782_Site_vic4 Path: J:_clients\Campos\20151782.001a - 49-1\7\20151782_Site_vic4.mxd

Date: 10/27/2014 User: jpatay Name: 20151782_Site70a Path: J:_clients\Campos\20151782.001a\20151782_Site70a.mxd



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PROJECT NO.	20151782
DRAWN:	10/27/2014
DRAWN BY:	JP
CHECKED BY:	TG
FILE NAME:	20151782_Site70a.mxd

PROPOSED BORING LOCATION MAP

CAMPOS
SDG&E LINE SL-49-17, 70th STREET TROLLEY AREA
SAN DIEGO, CALIFORNIA

PLATE
1

APPENDIX C
Laboratory Analytical Results

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WORK ORDER NUMBER: 15-02-1923

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Kleinfelder, Inc.

Client Project Name: SDGE Line 49-17

Attention: Travis Meier
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Approved for release on 03/06/2015 by:
Richard Villafania
Project Manager

ResultLink

Email your PM

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 15-02-1923

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Work Order Narrative

Work Order: 15-02-1923 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 02/25/15. They were assigned to Work Order 15-02-1923.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-Water	**15-02-1923-4-E**	**02/25/15 12:00**	**Aqueous**	**GC 48**	**02/26/15**	**02/27/15 11:56**	**150226B01A**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	49	1.00	
C7	ND	49	1.00	
C8	ND	49	1.00	
C9-C10	ND	49	1.00	
C11-C12	ND	49	1.00	
C13-C14	ND	49	1.00	
C15-C16	ND	49	1.00	
C17-C18	ND	49	1.00	
C19-C20	ND	49	1.00	
C21-C22	ND	49	1.00	
C23-C24	ND	49	1.00	
C25-C28	ND	49	1.00	
C29-C32	61	49	1.00	
C33-C36	ND	49	1.00	
C37-C40	ND	49	1.00	
C41-C44	ND	49	1.00	
C6-C44 Total	240	49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	76	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-472-365**	**N/A**	**Aqueous**	**GC 48**	**02/26/15**	**02/26/15 16:53**	**150226B01A**

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	1.00	
C7	ND	50	1.00	
C8	ND	50	1.00	
C9-C10	ND	50	1.00	
C11-C12	ND	50	1.00	
C13-C14	ND	50	1.00	
C15-C16	ND	50	1.00	
C17-C18	ND	50	1.00	
C19-C20	ND	50	1.00	
C21-C22	ND	50	1.00	
C23-C24	ND	50	1.00	
C25-C28	ND	50	1.00	
C29-C32	ND	50	1.00	
C33-C36	ND	50	1.00	
C37-C40	ND	50	1.00	
C41-C44	ND	50	1.00	
C6-C44 Total	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	100	68-140	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: SDGE Line 49-17			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-4	**15-02-1923-1-A**	**02/25/15 09:35**	**Solid**	**GC 45**	**02/26/15**	**02/26/15 21:20**	**150226B04**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	49	10.0	
C7	ND	49	10.0	
C8	ND	49	10.0	
C9-C10	ND	49	10.0	
C11-C12	ND	49	10.0	
C13-C14	ND	49	10.0	
C15-C16	ND	49	10.0	
C17-C18	ND	49	10.0	
C19-C20	ND	49	10.0	
C21-C22	ND	49	10.0	
C23-C24	ND	49	10.0	
C25-C28	58	49	10.0	
C29-C32	140	49	10.0	
C33-C36	160	49	10.0	
C37-C40	140	49	10.0	
C41-C44	110	49	10.0	
C6-C44 Total	660	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	122	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received:	02/25/15
Work Order:	15-02-1923
Preparation:	EPA 3550B
Method:	EPA 8015B (M)
Units:	mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-8	**15-02-1923-2-A**	**02/25/15 09:50**	**Solid**	**GC 45**	**02/26/15**	**02/26/15 21:02**	**150226B04**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	110	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1456**	**N/A**	**Solid**	**GC 45**	**02/26/15**	**02/26/15 14:09**	**150226B04**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-4	**15-02-1923-1-A**	**02/25/15 09:35**	**Solid**	**ICP 7300**	**02/27/15**	**03/03/15 23:25**	**150227L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.761	1.02	
Arsenic	18.2	0.761	1.02	
Barium	144	0.508	1.02	
Beryllium	0.479	0.254	1.02	
Cadmium	ND	0.508	1.02	
Chromium	7.16	0.254	1.02	
Cobalt	4.67	0.254	1.02	
Copper	9.26	0.508	1.02	
Lead	11.1	0.508	1.02	
Molybdenum	0.430	0.254	1.02	
Nickel	4.52	0.254	1.02	
Selenium	ND	0.761	1.02	
Silver	ND	0.254	1.02	
Thallium	ND	0.761	1.02	
Vanadium	46.7	0.254	1.02	
Zinc	36.0	1.02	1.02	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-8	**15-02-1923-2-A**	**02/25/15 09:50**	**Solid**	**ICP 7300**	**02/27/15**	**03/03/15 23:26**	**150227L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.739	0.985	
Arsenic	9.34	0.739	0.985	
Barium	86.5	0.493	0.985	
Beryllium	0.411	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	5.18	0.246	0.985	
Cobalt	3.44	0.246	0.985	
Copper	3.98	0.493	0.985	
Lead	4.62	0.493	0.985	
Molybdenum	0.249	0.246	0.985	
Nickel	2.48	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	35.4	0.246	0.985	
Zinc	15.6	0.985	0.985	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-20476**	**N/A**	**Solid**	**ICP 7300**	**02/27/15**	**02/27/15 16:04**	**150227L01**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.746	0.995	
Arsenic	ND	0.746	0.995	
Barium	ND	0.498	0.995	
Beryllium	ND	0.249	0.995	
Cadmium	ND	0.498	0.995	
Chromium	ND	0.249	0.995	
Cobalt	ND	0.249	0.995	
Copper	ND	0.498	0.995	
Lead	ND	0.498	0.995	
Molybdenum	ND	0.249	0.995	
Nickel	ND	0.249	0.995	
Selenium	ND	0.746	0.995	
Silver	ND	0.249	0.995	
Thallium	ND	0.746	0.995	
Vanadium	ND	0.249	0.995	
Zinc	ND	0.995	0.995	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-Water	**15-02-1923-4-D**	**02/25/15 12:00**	**Aqueous**	**ICP 7300**	**02/26/15**	**03/04/15 18:47**	**150226LA3A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	4.71	0.0100	1.00	
Beryllium	0.0224	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	0.282	0.0100	1.00	
Cobalt	0.0744	0.0100	1.00	
Copper	0.149	0.0100	1.00	
Lead	0.141	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	0.0798	0.0100	1.00	
Selenium	0.0361	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	1.28	0.0100	1.00	
Zinc	0.506	0.0100	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-003-14905**	**N/A**	**Aqueous**	**ICP 7300**	**02/26/15**	**03/04/15 19:12**	**150226LA3A**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.0150	1.00	
Arsenic	ND	0.0100	1.00	
Barium	ND	0.0100	1.00	
Beryllium	ND	0.0100	1.00	
Cadmium	ND	0.0100	1.00	
Chromium	ND	0.0100	1.00	
Cobalt	ND	0.0100	1.00	
Copper	ND	0.0100	1.00	
Lead	ND	0.0100	1.00	
Molybdenum	ND	0.0100	1.00	
Nickel	ND	0.0100	1.00	
Selenium	ND	0.0150	1.00	
Silver	ND	0.00500	1.00	
Thallium	ND	0.0150	1.00	
Vanadium	ND	0.0100	1.00	
Zinc	ND	0.0100	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 7470A Total
Method: EPA 7470A
Units: mg/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-Water	**15-02-1923-4-D**	**02/25/15 12:00**	**Aqueous**	**Mercury 04**	**03/04/15**	**03/04/15 15:56**	**150304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-008-7342**	**N/A**	**Aqueous**	**Mercury 04**	**03/04/15**	**03/04/15 15:31**	**150304L03**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.000500	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-4	**15-02-1923-1-A**	**02/25/15 09:35**	**Solid**	**Mercury 05**	**03/02/15**	**03/02/15 18:52**	**150302L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-8	**15-02-1923-2-A**	**02/25/15 09:50**	**Solid**	**Mercury 05**	**03/02/15**	**03/02/15 18:54**	**150302L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-1026**	**N/A**	**Solid**	**Mercury 05**	**03/02/15**	**03/02/15 18:19**	**150302L08**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-4	**15-02-1923-1-A**	**02/25/15 09:35**	**Solid**	**GC 51**	**02/27/15**	**03/02/15 15:01**	**150227L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	73	24-168	
2,4,5,6-Tetrachloro-m-Xylene	101	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-8	**15-02-1923-2-A**	**02/25/15 09:50**	**Solid**	**GC 51**	**02/27/15**	**03/02/15 15:16**	**150227L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	59	24-168	
2,4,5,6-Tetrachloro-m-Xylene	63	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2044**	**N/A**	**Solid**	**GC 51**	**02/27/15**	**03/02/15 13:50**	**150227L06**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	5.0	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	5.0	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	5.0	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	80	24-168	
2,4,5,6-Tetrachloro-m-Xylene	100	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-Water	**15-02-1923-4-G**	**02/25/15 12:00**	**Aqueous**	**GC 44**	**03/03/15**	**03/04/15 18:42**	**150303L01**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	30	50-135	2,6
2,4,5,6-Tetrachloro-m-Xylene	99	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-529-784**	**N/A**	**Aqueous**	**GC 44**	**03/03/15**	**03/05/15 11:46**	**150303L01**

Parameter	Result	RL	DF	Qualifiers
Alpha-BHC	ND	0.10	1.00	
Gamma-BHC	ND	0.10	1.00	
Beta-BHC	ND	0.10	1.00	
Heptachlor	ND	0.10	1.00	
Delta-BHC	ND	0.10	1.00	
Aldrin	ND	0.10	1.00	
Heptachlor Epoxide	ND	0.10	1.00	
Endosulfan I	ND	0.10	1.00	
Dieldrin	ND	0.10	1.00	
4,4'-DDE	ND	0.10	1.00	
Endrin	ND	0.10	1.00	
Endrin Aldehyde	ND	0.10	1.00	
4,4'-DDD	ND	0.10	1.00	
Endosulfan II	ND	0.10	1.00	
4,4'-DDT	ND	0.10	1.00	
Endosulfan Sulfate	ND	0.10	1.00	
Methoxychlor	ND	0.10	1.00	
Chlordane	ND	1.0	1.00	
Toxaphene	ND	2.0	1.00	
Endrin Ketone	ND	0.10	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	102	50-135	
2,4,5,6-Tetrachloro-m-Xylene	104	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-4	**15-02-1923-1-A**	**02/25/15 09:35**	**Solid**	**GC 58**	**02/27/15**	**02/27/15 22:41**	**150227L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	83	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-8	**15-02-1923-2-A**	**02/25/15 09:50**	**Solid**	**GC 58**	**02/27/15**	**02/27/15 22:59**	**150227L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	63	24-168	
2,4,5,6-Tetrachloro-m-Xylene	55	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-3092**	**N/A**	**Solid**	**GC 58**	**02/27/15**	**02/27/15 20:53**	**150227L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	77	24-168	
2,4,5,6-Tetrachloro-m-Xylene	81	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3510C
Method: EPA 8082
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-Water	**15-02-1923-4-G**	**02/25/15 12:00**	**Aqueous**	**GC 58**	**03/03/15**	**03/04/15 20:37**	**150303L02**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.0	1.00	
Aroclor-1221	ND	1.0	1.00	
Aroclor-1232	ND	1.0	1.00	
Aroclor-1242	ND	1.0	1.00	
Aroclor-1248	ND	1.0	1.00	
Aroclor-1254	ND	1.0	1.00	
Aroclor-1260	ND	1.0	1.00	
Aroclor-1262	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	26	50-135	2,6
2,4,5,6-Tetrachloro-m-Xylene	86	50-135	

Method Blank	099-12-533-1010	N/A	Aqueous	GC 58	03/03/15	03/04/15 15:05	150303L02

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	1.0	1.00	
Aroclor-1221	ND	1.0	1.00	
Aroclor-1232	ND	1.0	1.00	
Aroclor-1242	ND	1.0	1.00	
Aroclor-1248	ND	1.0	1.00	
Aroclor-1254	ND	1.0	1.00	
Aroclor-1260	ND	1.0	1.00	
Aroclor-1262	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	50-135	
2,4,5,6-Tetrachloro-m-Xylene	63	50-135	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-4	**15-02-1923-1-A**	**02/25/15 09:35**	**Solid**	**GC/MS EEE**	**02/26/15**	**03/02/15 18:12**	**150226L17**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	0.029	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	0.022	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	0.027	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	91	22-130	
Nitrobenzene-d5	67	20-145	
p-Terphenyl-d14	77	33-147	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-8	**15-02-1923-2-A**	**02/25/15 09:50**	**Solid**	**GC/MS EEE**	**02/26/15**	**03/02/15 13:28**	**150226L17**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	76	22-130	
Nitrobenzene-d5	67	20-145	
p-Terphenyl-d14	77	33-147	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-06-010-2329**	**N/A**	**Solid**	**GC/MS EEE**	**02/26/15**	**03/02/15 12:27**	**150226L17**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	93	22-130	
Nitrobenzene-d5	72	20-145	
p-Terphenyl-d14	96	33-147	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-Water	**15-02-1923-4-F**	**02/25/15 12:00**	**Aqueous**	**GC/MS AAA**	**02/27/15**	**03/02/15 14:51**	**150227L07B**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.20	1.00	
2-Methylnaphthalene	ND	0.20	1.00	
1-Methylnaphthalene	ND	0.20	1.00	
Acenaphthylene	ND	0.20	1.00	
Acenaphthene	ND	0.20	1.00	
Fluorene	ND	0.20	1.00	
Phenanthrene	ND	0.20	1.00	
Anthracene	ND	0.20	1.00	
Fluoranthene	ND	0.20	1.00	
Pyrene	ND	0.20	1.00	
Benzo (a) Anthracene	ND	0.20	1.00	
Chrysene	ND	0.20	1.00	
Benzo (k) Fluoranthene	ND	0.20	1.00	
Benzo (b) Fluoranthene	ND	0.20	1.00	
Benzo (a) Pyrene	ND	0.20	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.20	1.00	
Dibenz (a,h) Anthracene	ND	0.20	1.00	
Benzo (g,h,i) Perylene	ND	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	85	28-139	
2-Fluorobiphenyl	95	33-144	
p-Terphenyl-d14	89	23-160	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3510C
Method: EPA 8270C SIM PAHs
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-06-008-783**	**N/A**	**Aqueous**	**GC/MS AAA**	**02/27/15**	**03/02/15 12:09**	**150227L07B**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.20	1.00	
2-Methylnaphthalene	ND	0.20	1.00	
1-Methylnaphthalene	ND	0.20	1.00	
Acenaphthylene	ND	0.20	1.00	
Acenaphthene	ND	0.20	1.00	
Fluorene	ND	0.20	1.00	
Phenanthrene	ND	0.20	1.00	
Anthracene	ND	0.20	1.00	
Fluoranthene	ND	0.20	1.00	
Pyrene	ND	0.20	1.00	
Benzo (a) Anthracene	ND	0.20	1.00	
Chrysene	ND	0.20	1.00	
Benzo (k) Fluoranthene	ND	0.20	1.00	
Benzo (b) Fluoranthene	ND	0.20	1.00	
Benzo (a) Pyrene	ND	0.20	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.20	1.00	
Dibenz (a,h) Anthracene	ND	0.20	1.00	
Benzo (g,h,i) Perylene	ND	0.20	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	77	28-139	
2-Fluorobiphenyl	82	33-144	
p-Terphenyl-d14	68	23-160	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-Water	**15-02-1923-4-A**	**02/25/15 12:00**	**Aqueous**	**GC/MS JJ**	**02/26/15**	**02/26/15 17:34**	**150226L014**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	02/25/15
550 West C Street, Suite 1200	Work Order:	15-02-1923
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: SDGE Line 49-17		Page 2 of 4

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	113	78-126	
1,2-Dichloroethane-d4	115	75-135	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-16495**	**N/A**	**Aqueous**	**GC/MS JJ**	**02/26/15**	**02/26/15 17:06**	**150226L014**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	20	1.00	
Benzene	ND	0.50	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	1.0	1.00	
Bromomethane	ND	10	1.00	
2-Butanone	ND	10	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	10	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	1.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	1.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: SDGE Line 49-17			Page 4 of 4

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.0	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	10	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	1.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	1.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	1.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
Trichloroethene	ND	1.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	1.0	1.00	
1,3,5-Trimethylbenzene	ND	1.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	110	78-126	
1,2-Dichloroethane-d4	114	75-135	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-4	**15-02-1923-1-A**	**02/25/15 09:35**	**Solid**	**GC/MS R**	**02/25/15**	**02/26/15 22:33**	**150226L025**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.2	1.00	
Bromobenzene	ND	5.2	1.00	
Bromochloromethane	ND	5.2	1.00	
Bromodichloromethane	ND	5.2	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	52	1.00	
n-Butylbenzene	ND	5.2	1.00	
sec-Butylbenzene	ND	5.2	1.00	
tert-Butylbenzene	ND	5.2	1.00	
Carbon Disulfide	ND	52	1.00	
Carbon Tetrachloride	ND	5.2	1.00	
Chlorobenzene	ND	5.2	1.00	
Chloroethane	ND	5.2	1.00	
Chloroform	ND	5.2	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.2	1.00	
4-Chlorotoluene	ND	5.2	1.00	
Dibromochloromethane	ND	5.2	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.2	1.00	
Dibromomethane	ND	5.2	1.00	
1,2-Dichlorobenzene	ND	5.2	1.00	
1,3-Dichlorobenzene	ND	5.2	1.00	
1,4-Dichlorobenzene	ND	5.2	1.00	
Dichlorodifluoromethane	ND	5.2	1.00	
1,1-Dichloroethane	ND	5.2	1.00	
1,2-Dichloroethane	ND	5.2	1.00	
1,1-Dichloroethene	ND	5.2	1.00	
c-1,2-Dichloroethene	ND	5.2	1.00	
t-1,2-Dichloroethene	ND	5.2	1.00	
1,2-Dichloropropane	ND	5.2	1.00	
1,3-Dichloropropane	ND	5.2	1.00	
2,2-Dichloropropane	ND	5.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	02/25/15
550 West C Street, Suite 1200	Work Order:	15-02-1923
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: SDGE Line 49-17		Page 2 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.2	1.00	
c-1,3-Dichloropropene	ND	5.2	1.00	
t-1,3-Dichloropropene	ND	5.2	1.00	
Ethylbenzene	ND	5.2	1.00	
2-Hexanone	ND	52	1.00	
Isopropylbenzene	ND	5.2	1.00	
p-Isopropyltoluene	ND	5.2	1.00	
Methylene Chloride	ND	52	1.00	
4-Methyl-2-Pentanone	ND	52	1.00	
Naphthalene	ND	52	1.00	
n-Propylbenzene	ND	5.2	1.00	
Styrene	ND	5.2	1.00	
1,1,1,2-Tetrachloroethane	ND	5.2	1.00	
1,1,2,2-Tetrachloroethane	ND	5.2	1.00	
Tetrachloroethene	ND	5.2	1.00	
Toluene	ND	5.2	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.2	1.00	
1,1,1-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	52	1.00	
Trichloroethene	ND	5.2	1.00	
1,2,3-Trichloropropane	ND	5.2	1.00	
1,2,4-Trimethylbenzene	ND	5.2	1.00	
Trichlorofluoromethane	ND	52	1.00	
1,3,5-Trimethylbenzene	ND	5.2	1.00	
Vinyl Acetate	ND	52	1.00	
Vinyl Chloride	ND	5.2	1.00	
p/m-Xylene	ND	5.2	1.00	
o-Xylene	ND	5.2	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	100	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-8	**15-02-1923-2-A**	**02/25/15 09:50**	**Solid**	**GC/MS R**	**02/25/15**	**02/26/15 23:01**	**150226L025**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	02/25/15
550 West C Street, Suite 1200	Work Order:	15-02-1923
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: SDGE Line 49-17		Page 4 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	60-132	
Dibromofluoromethane	98	63-141	
1,2-Dichloroethane-d4	95	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: SDGE Line 49-17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9438**	**N/A**	**Solid**	**GC/MS R**	**02/26/15**	**02/26/15 17:31**	**150226L025**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Kleinfelder, Inc.	Date Received:	02/25/15
550 West C Street, Suite 1200	Work Order:	15-02-1923
San Diego, CA 92101-3509	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/kg
Project: SDGE Line 49-17		Page 6 of 6

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	60-132	
Dibromofluoromethane	98	63-141	
1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SDGE Line 49-17			Page 1 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-1933-10	**Sample**	**Solid**	**GC 45**	**02/26/15**	**02/26/15 17:55**	**150226S04**
15-02-1933-10	**Matrix Spike**	**Solid**	**GC 45**	**02/26/15**	**02/26/15 14:46**	**150226S04**
15-02-1933-10	**Matrix Spike Duplicate**	**Solid**	**GC 45**	**02/26/15**	**02/26/15 15:05**	**150226S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	399.7	100	352.2	88	64-130	13	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 2 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-0577-2	**Sample**	**Solid**	**ICP 7300**	**02/27/15**	**02/27/15 16:07**	**150227S01**
15-02-0577-2	**Matrix Spike**	**Solid**	**ICP 7300**	**02/27/15**	**02/27/15 16:08**	**150227S01**
15-02-0577-2	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**02/27/15**	**02/27/15 16:09**	**150227S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	9.428	38	8.459	34	50-115	11	0-20	3
Arsenic	5.234	25.00	33.99	115	30.80	102	75-125	10	0-20	
Barium	95.63	25.00	115.5	79	111.0	61	75-125	4	0-20	3
Beryllium	0.2783	25.00	26.08	103	25.73	102	75-125	1	0-20	
Cadmium	ND	25.00	25.11	100	25.11	100	75-125	0	0-20	
Chromium	15.28	25.00	42.18	108	40.87	102	75-125	3	0-20	
Cobalt	8.353	25.00	34.43	104	33.87	102	75-125	2	0-20	
Copper	17.28	25.00	43.95	107	42.29	100	75-125	4	0-20	
Lead	89.07	25.00	93.59	18	93.49	18	75-125	0	0-20	3
Molybdenum	ND	25.00	24.21	97	24.00	96	75-125	1	0-20	
Nickel	13.72	25.00	40.46	107	38.77	100	75-125	4	0-20	
Selenium	ND	25.00	23.91	96	23.79	95	75-125	1	0-20	
Silver	ND	12.50	11.58	93	11.00	88	75-125	5	0-20	
Thallium	ND	25.00	7.045	28	4.728	19	75-125	39	0-20	3,4
Vanadium	26.68	25.00	57.04	121	51.11	98	75-125	11	0-20	
Zinc	73.05	25.00	97.57	98	91.48	74	75-125	6	0-20	3

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 3 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-1849-5	**Sample**	**Aqueous**	**ICP 7300**	**02/26/15**	**03/02/15 17:07**	**150226SA3**
15-02-1849-5	**Matrix Spike**	**Aqueous**	**ICP 7300**	**02/26/15**	**03/02/15 17:08**	**150226SA3**
15-02-1849-5	**Matrix Spike Duplicate**	**Aqueous**	**ICP 7300**	**02/26/15**	**03/02/15 17:09**	**150226SA3**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	0.5000	0.5261	105	0.5120	102	80-120	3	0-20	
Arsenic	ND	0.5000	0.5076	102	0.5080	102	80-120	0	0-20	
Barium	0.08633	0.5000	0.5815	99	0.5695	97	80-120	2	0-20	
Beryllium	ND	0.5000	0.5023	100	0.4900	98	80-120	2	0-20	
Cadmium	ND	0.5000	0.4984	100	0.4852	97	80-120	3	0-20	
Chromium	ND	0.5000	0.5389	108	0.5290	106	80-120	2	0-20	
Cobalt	ND	0.5000	0.4725	94	0.4581	92	80-120	3	0-20	
Copper	ND	0.5000	0.5162	103	0.5011	100	80-120	3	0-20	
Lead	ND	0.5000	0.4998	100	0.4856	97	80-120	3	0-20	
Molybdenum	ND	0.5000	0.4993	100	0.4890	98	80-120	2	0-20	
Nickel	ND	0.5000	0.4955	99	0.4818	96	80-120	3	0-20	
Selenium	ND	0.5000	0.5075	101	0.4987	100	80-120	2	0-20	
Silver	ND	0.2500	0.2447	98	0.2384	95	80-120	3	0-20	
Thallium	ND	0.5000	0.4849	97	0.4666	93	80-120	4	0-20	
Vanadium	ND	0.5000	0.4982	100	0.4869	97	80-120	2	0-20	
Zinc	0.01442	0.5000	0.5339	104	0.5156	100	80-120	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: SDGE Line 49-17			Page 4 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-2146-1	**Sample**	**Aqueous**	**Mercury 04**	**03/04/15**	**03/04/15 15:36**	**150304S03**
15-02-2146-1	**Matrix Spike**	**Aqueous**	**Mercury 04**	**03/04/15**	**03/04/15 15:38**	**150304S03**
15-02-2146-1	**Matrix Spike Duplicate**	**Aqueous**	**Mercury 04**	**03/04/15**	**03/04/15 15:40**	**150304S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.005289	53	0.005358	54	80-120	1	0-14	3

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: SDGE Line 49-17			Page 5 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-1933-10	**Sample**	**Solid**	**Mercury 05**	**03/02/15**	**03/02/15 18:23**	**150302S08**
15-02-1933-10	**Matrix Spike**	**Solid**	**Mercury 05**	**03/02/15**	**03/02/15 18:25**	**150302S08**
15-02-1933-10	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**03/02/15**	**03/02/15 18:28**	**150302S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	1.061	127	1.097	131	71-137	3	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: SDGE Line 49-17			Page 6 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-1952-1	**Sample**	**Solid**	**GC 51**	**02/27/15**	**03/02/15 14:47**	**150227S06**
15-02-1952-1	**Matrix Spike**	**Solid**	**GC 51**	**02/27/15**	**03/02/15 14:18**	**150227S06**
15-02-1952-1	**Matrix Spike Duplicate**	**Solid**	**GC 51**	**02/27/15**	**03/02/15 14:33**	**150227S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.86	79	19.63	79	50-135	1	0-25	
Alpha-BHC	ND	25.00	19.38	78	18.45	74	50-135	5	0-25	
Beta-BHC	ND	25.00	0	0	17.58	70	50-135	0	0-25	3
4,4'-DDD	ND	25.00	171.4	686	83.92	336	50-135	69	0-25	3,4
4,4'-DDE	ND	25.00	23.55	94	23.45	94	50-135	0	0-25	
4,4'-DDT	ND	25.00	10.06	40	12.95	52	50-135	25	0-25	3
Delta-BHC	ND	25.00	17.95	72	17.41	70	50-135	3	0-25	
Dieldrin	ND	25.00	20.79	83	26.22	105	50-135	23	0-25	
Endosulfan I	ND	25.00	18.86	75	19.68	79	50-135	4	0-25	
Endosulfan II	ND	25.00	18.35	73	18.90	76	50-135	3	0-25	
Endosulfan Sulfate	ND	25.00	63.91	256	48.42	194	50-135	28	0-25	3,4
Endrin	ND	25.00	16.02	64	19.63	79	50-135	20	0-25	
Endrin Aldehyde	ND	25.00	19.13	77	19.16	77	50-135	0	0-25	
Gamma-BHC	ND	25.00	18.50	74	18.00	72	50-135	3	0-25	
Heptachlor	ND	25.00	19.34	77	19.46	78	50-135	1	0-25	
Heptachlor Epoxide	ND	25.00	18.94	76	18.30	73	50-135	3	0-25	
Methoxychlor	ND	25.00	12.96	52	17.58	70	50-135	30	0-25	4

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8082
Project: SDGE Line 49-17			Page 7 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-1952-1	**Sample**	**Solid**	**GC 58**	**02/27/15**	**02/27/15 22:23**	**150227S02**
15-02-1952-1	**Matrix Spike**	**Solid**	**GC 58**	**02/27/15**	**02/27/15 21:47**	**150227S02**
15-02-1952-1	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**02/27/15**	**02/27/15 22:05**	**150227S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	85.78	86	123.3	123	50-135	36	0-20	4
Aroclor-1260	ND	100.0	101.8	102	107.0	107	50-135	5	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
Project: SDGE Line 49-17			Page 8 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-1469-2	**Sample**	**Solid**	**GC/MS EEE**	**02/26/15**	**03/02/15 13:08**	**150226S17**
15-02-1469-2	**Matrix Spike**	**Solid**	**GC/MS EEE**	**02/26/15**	**03/02/15 11:47**	**150226S17**
15-02-1469-2	**Matrix Spike Duplicate**	**Solid**	**GC/MS EEE**	**02/26/15**	**03/02/15 12:07**	**150226S17**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Naphthalene	ND	0.2000	0.1840	92	0.1719	86	20-150	7	0-33	
2-Methylnaphthalene	ND	0.2000	0.1832	92	0.1684	84	29-137	8	0-31	
1-Methylnaphthalene	ND	0.2000	0.1731	87	0.1582	79	34-136	9	0-29	
Acenaphthylene	ND	0.2000	0.2026	101	0.1774	89	29-131	13	0-32	
Acenaphthene	ND	0.2000	0.2121	106	0.1905	95	29-137	11	0-28	
Fluorene	ND	0.2000	0.2019	101	0.1779	89	36-132	13	0-27	
Phenanthrene	0.02472	0.2000	0.2333	104	0.2277	101	20-144	2	0-27	
Anthracene	ND	0.2000	0.1857	93	0.1762	88	26-134	5	0-27	
Fluoranthene	0.1089	0.2000	0.3234	107	0.2873	89	20-151	12	0-26	
Pyrene	0.1968	0.2000	0.4117	107	0.3885	96	20-150	6	0-32	
Benzo (a) Anthracene	0.2314	0.2000	0.3776	73	0.3291	49	24-150	14	0-24	
Chrysene	0.3920	0.2000	0.5181	63	0.4680	38	25-145	10	0-28	
Benzo (k) Fluoranthene	0.2811	0.2000	0.4153	67	0.3711	45	28-148	11	0-26	
Benzo (b) Fluoranthene	0.4822	0.2000	0.5758	47	0.5267	22	21-153	9	0-26	
Benzo (a) Pyrene	0.4798	0.2000	0.5613	41	0.5091	15	29-149	10	0-22	3
Indeno (1,2,3-c,d) Pyrene	0.3112	0.2000	0.4209	55	0.3881	38	20-154	8	0-25	
Dibenz (a,h) Anthracene	0.1668	0.2000	0.3084	71	0.2795	56	20-132	10	0-26	
Benzo (g,h,i) Perylene	0.3826	0.2000	0.4890	53	0.4395	28	20-148	11	0-27	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3510C
		Method:	EPA 8270C SIM PAHs
Project: SDGE Line 49-17			Page 9 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-1681-1	**Sample**	**Aqueous**	**GC/MS AAA**	**02/27/15**	**03/02/15 12:49**	**150227S07**
15-02-1681-1	**Matrix Spike**	**Aqueous**	**GC/MS AAA**	**02/27/15**	**03/02/15 13:51**	**150227S07**
15-02-1681-1	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS AAA**	**02/27/15**	**03/02/15 14:11**	**150227S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Naphthalene	0.2613	2.000	1.810	77	1.869	80	21-133	3	0-25	
2-Methylnaphthalene	ND	2.000	1.577	79	1.635	82	21-140	4	0-25	
1-Methylnaphthalene	ND	2.000	1.589	79	1.646	82	20-140	4	0-25	
Acenaphthylene	ND	2.000	1.877	94	1.932	97	33-145	3	0-25	
Acenaphthene	ND	2.000	2.006	100	2.100	105	49-121	5	0-25	
Fluorene	ND	2.000	2.000	100	2.075	104	59-121	4	0-25	
Phenanthrene	ND	2.000	1.935	97	1.982	99	54-120	2	0-25	
Anthracene	ND	2.000	1.834	92	1.884	94	27-133	3	0-25	
Fluoranthene	ND	2.000	1.756	88	1.850	92	26-137	5	0-25	
Pyrene	ND	2.000	2.088	104	1.919	96	18-168	8	0-25	
Benzo (a) Anthracene	ND	2.000	1.754	88	1.768	88	33-143	1	0-25	
Chrysene	ND	2.000	1.921	96	1.878	94	17-168	2	0-25	
Benzo (k) Fluoranthene	ND	2.000	1.437	72	1.556	78	24-159	8	0-25	
Benzo (b) Fluoranthene	ND	2.000	1.473	74	1.529	76	24-159	4	0-25	
Benzo (a) Pyrene	ND	2.000	1.680	84	1.712	86	17-163	2	0-25	
Indeno (1,2,3-c,d) Pyrene	ND	2.000	2.124	106	2.091	105	10-171	2	0-25	
Dibenz (a,h) Anthracene	ND	2.000	2.235	112	2.193	110	10-219	2	0-25	
Benzo (g,h,i) Perylene	ND	2.000	2.230	112	2.178	109	10-227	2	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 10 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-5-Water	**Sample**	**Aqueous**	**GC/MS JJ**	**02/26/15**	**02/26/15 17:34**	**150226S007**
B-5-Water	**Matrix Spike**	**Aqueous**	**GC/MS JJ**	**02/26/15**	**02/26/15 18:02**	**150226S007**
B-5-Water	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS JJ**	**02/26/15**	**02/26/15 18:30**	**150226S007**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	47.26	95	48.48	97	74-122	3	0-21	
Carbon Tetrachloride	ND	50.00	55.66	111	56.28	113	60-144	1	0-21	
Chlorobenzene	ND	50.00	50.47	101	51.05	102	73-120	1	0-22	
1,2-Dibromoethane	ND	50.00	50.78	102	51.95	104	80-122	2	0-20	
1,2-Dichlorobenzene	ND	50.00	50.67	101	50.79	102	70-120	0	0-26	
1,2-Dichloroethane	ND	50.00	53.80	108	53.79	108	64-142	0	0-20	
1,1-Dichloroethene	ND	50.00	51.63	103	53.10	106	52-136	3	0-21	
Ethylbenzene	ND	50.00	51.53	103	52.21	104	77-125	1	0-24	
Toluene	ND	50.00	49.33	99	50.18	100	72-126	2	0-23	
Trichloroethene	ND	50.00	47.97	96	49.01	98	74-128	2	0-22	
Vinyl Chloride	ND	50.00	40.82	82	44.34	89	67-133	8	0-20	
p/m-Xylene	ND	100.0	108.4	108	109.0	109	63-129	1	0-25	
o-Xylene	ND	50.00	56.32	113	57.16	114	62-128	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	40.78	82	45.04	90	68-134	10	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 11 of 11

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-1897-1	**Sample**	**Concrete**	**GC/MS R**	**02/25/15**	**02/26/15 18:26**	**150226S016**
15-02-1897-1	**Matrix Spike**	**Concrete**	**GC/MS R**	**02/25/15**	**02/26/15 18:53**	**150226S016**
15-02-1897-1	**Matrix Spike Duplicate**	**Concrete**	**GC/MS R**	**02/25/15**	**02/26/15 19:21**	**150226S016**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.70	97	48.00	96	61-127	1	0-20	
Carbon Tetrachloride	ND	50.00	50.28	101	49.23	98	51-135	2	0-29	
Chlorobenzene	ND	50.00	50.70	101	48.89	98	57-123	4	0-20	
1,2-Dibromoethane	ND	50.00	47.65	95	48.28	97	64-124	1	0-20	
1,2-Dichlorobenzene	ND	50.00	50.59	101	49.06	98	35-131	3	0-25	
1,2-Dichloroethane	ND	50.00	48.53	97	46.15	92	80-120	5	0-20	
1,1-Dichloroethene	ND	50.00	55.60	111	58.48	117	47-143	5	0-25	
Ethylbenzene	ND	50.00	50.20	100	49.16	98	57-129	2	0-22	
Toluene	ND	50.00	49.24	98	48.10	96	63-123	2	0-20	
Trichloroethene	ND	50.00	87.88	176	86.76	174	44-158	1	0-20	3
Vinyl Chloride	ND	50.00	44.74	89	48.26	97	49-139	8	0-47	
p/m-Xylene	ND	100.0	106.9	107	105.5	105	70-130	1	0-30	
o-Xylene	ND	50.00	56.47	113	54.87	110	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	43.95	88	43.12	86	57-123	2	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - PDS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
15-02-1849-5	**Sample**	**Aqueous**	**ICP 7300**	**02/26/15 00:00**	**03/02/15 17:07**	**150226SA3**
15-02-1849-5	**PDS**	**Aqueous**	**ICP 7300**	**02/26/15 00:00**	**03/02/15 17:10**	**150226SA3**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Antimony	ND	0.5000	0.5261	105	75-125	
Arsenic	ND	0.5000	0.4888	98	75-125	
Barium	0.08633	0.5000	0.5815	99	75-125	
Beryllium	ND	0.5000	0.5023	100	75-125	
Cadmium	ND	0.5000	0.4984	100	75-125	
Chromium	ND	0.5000	0.5274	105	75-125	
Cobalt	ND	0.5000	0.4725	94	75-125	
Copper	ND	0.5000	0.5162	103	75-125	
Lead	ND	0.5000	0.4998	100	75-125	
Molybdenum	ND	0.5000	0.4993	100	75-125	
Nickel	ND	0.5000	0.4955	99	75-125	
Selenium	ND	0.5000	0.5075	101	75-125	
Silver	ND	0.2500	0.2447	98	75-125	
Thallium	ND	0.5000	0.4849	97	75-125	
Vanadium	ND	0.5000	0.4982	100	75-125	
Zinc	0.01442	0.5000	0.5243	102	75-125	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - PDS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: SDGE Line 49-17			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
15-02-2146-1	**Sample**	**Aqueous**	**Mercury 04**	**03/04/15 00:00**	**03/04/15 15:36**	**150304S03**
15-02-2146-1	**PDS**	**Aqueous**	**Mercury 04**	**03/04/15 00:00**	**03/04/15 15:42**	**150304S03**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	%Rec. CL	Qualifiers
Mercury	ND	0.01000	0.005486	55	75-125	5

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.	Date Received: 02/25/15
550 West C Street, Suite 1200	Work Order: 15-02-1923
San Diego, CA 92101-3509	Preparation: EPA 3510C
	Method: EPA 8015B (M)
Project: SDGE Line 49-17	Page 1 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-472-365	**LCS**	**Aqueous**	**GC 48**	**02/26/15**	**02/26/15 17:08**	**150226B01A**
099-15-472-365	**LCSD**	**Aqueous**	**GC 48**	**02/26/15**	**02/26/15 17:25**	**150226B01A**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	2035	102	1978	99	75-117	3	0-13	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: SDGE Line 49-17			Page 2 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1456	**LCS**	**Solid**	**GC 45**	**02/26/15**	**02/26/15 14:27**	**150226B04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	451.3	113	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 3 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-20476	**LCS**	**Solid**	**ICP 7300**	**02/27/15**	**02/27/15 16:05**	**150227L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	23.76	95	80-120	73-127	
Arsenic	25.00	24.54	98	80-120	73-127	
Barium	25.00	24.93	100	80-120	73-127	
Beryllium	25.00	23.83	95	80-120	73-127	
Cadmium	25.00	24.66	99	80-120	73-127	
Chromium	25.00	25.45	102	80-120	73-127	
Cobalt	25.00	25.92	104	80-120	73-127	
Copper	25.00	24.17	97	80-120	73-127	
Lead	25.00	24.79	99	80-120	73-127	
Molybdenum	25.00	24.39	98	80-120	73-127	
Nickel	25.00	26.11	104	80-120	73-127	
Selenium	25.00	24.06	96	80-120	73-127	
Silver	12.50	11.32	91	80-120	73-127	
Thallium	25.00	25.43	102	80-120	73-127	
Vanadium	25.00	24.58	98	80-120	73-127	
Zinc	25.00	24.92	100	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3010A Total
		Method:	EPA 6010B
Project: SDGE Line 49-17			Page 4 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-003-14905	**LCS**	**Aqueous**	**ICP 7300**	**02/26/15**	**03/04/15 13:22**	**150226LA3A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	0.5000	0.4674	93	80-120	73-127	
Arsenic	0.5000	0.4359	87	80-120	73-127	
Barium	0.5000	0.4589	92	80-120	73-127	
Beryllium	0.5000	0.4585	92	80-120	73-127	
Cadmium	0.5000	0.4832	97	80-120	73-127	
Chromium	0.5000	0.4892	98	80-120	73-127	
Cobalt	0.5000	0.4783	96	80-120	73-127	
Copper	0.5000	0.5088	102	80-120	73-127	
Lead	0.5000	0.4823	96	80-120	73-127	
Molybdenum	0.5000	0.4695	94	80-120	73-127	
Nickel	0.5000	0.4982	100	80-120	73-127	
Selenium	0.5000	0.4460	89	80-120	73-127	
Silver	0.2500	0.2223	89	80-120	73-127	
Thallium	0.5000	0.4776	96	80-120	73-127	
Vanadium	0.5000	0.4665	93	80-120	73-127	
Zinc	0.5000	0.4856	97	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: SDGE Line 49-17			Page 5 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-04-008-7342	**LCS**	**Aqueous**	**Mercury 04**	**03/04/15**	**03/04/15 15:33**	**150304L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.01000	0.01043	104	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: SDGE Line 49-17			Page 6 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-1026	**LCS**	**Solid**	**Mercury 05**	**03/02/15**	**03/02/15 19:19**	**150302L08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8960	107	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: SDGE Line 49-17			Page 7 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2044	**LCS**	**Solid**	**GC 51**	**02/27/15**	**03/02/15 16:36**	**150227L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	26.07	104	50-135	36-149	
Alpha-BHC	25.00	24.87	99	50-135	36-149	
Beta-BHC	25.00	29.62	118	50-135	36-149	
4,4'-DDD	25.00	25.46	102	50-135	36-149	
4,4'-DDE	25.00	26.52	106	50-135	36-149	
4,4'-DDT	25.00	25.80	103	50-135	36-149	
Delta-BHC	25.00	25.88	104	50-135	36-149	
Dieldrin	25.00	26.53	106	50-135	36-149	
Endosulfan I	25.00	24.94	100	50-135	36-149	
Endosulfan II	25.00	24.62	98	50-135	36-149	
Endosulfan Sulfate	25.00	24.79	99	50-135	36-149	
Endrin	25.00	29.17	117	50-135	36-149	
Endrin Aldehyde	25.00	21.94	88	50-135	36-149	
Gamma-BHC	25.00	26.04	104	50-135	36-149	
Heptachlor	25.00	27.71	111	50-135	36-149	
Heptachlor Epoxide	25.00	25.16	101	50-135	36-149	
Methoxychlor	25.00	26.17	105	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3510C
Method: EPA 8081A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-529-784	**LCS**	**Aqueous**	**GC 44**	**03/03/15**	**03/04/15 19:10**	**150303L01**
099-12-529-784	**LCSD**	**Aqueous**	**GC 44**	**03/03/15**	**03/04/15 19:24**	**150303L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	0.4536	91	0.5060	101	50-135	36-149	11	0-25	
Gamma-BHC	0.5000	0.4695	94	0.5225	105	50-135	36-149	11	0-25	
Beta-BHC	0.5000	0.5026	101	0.5478	110	50-135	36-149	9	0-25	
Heptachlor	0.5000	0.4843	97	0.5313	106	50-135	36-149	9	0-25	
Delta-BHC	0.5000	0.4971	99	0.5461	109	50-135	36-149	9	0-25	
Aldrin	0.5000	0.4524	90	0.4989	100	50-135	36-149	10	0-25	
Heptachlor Epoxide	0.5000	0.4699	94	0.5121	102	50-135	36-149	9	0-25	
Endosulfan I	0.5000	0.4509	90	0.4937	99	50-135	36-149	9	0-25	
Dieldrin	0.5000	0.4676	94	0.5104	102	50-135	36-149	9	0-25	
4,4'-DDE	0.5000	0.4797	96	0.5224	104	50-135	36-149	9	0-25	
Endrin	0.5000	0.4917	98	0.5384	108	50-135	36-149	9	0-25	
Endrin Aldehyde	0.5000	0.4592	92	0.4925	98	50-135	36-149	7	0-25	
4,4'-DDD	0.5000	0.4947	99	0.5342	107	50-135	36-149	8	0-25	
Endosulfan II	0.5000	0.4725	95	0.5156	103	50-135	36-149	9	0-25	
4,4'-DDT	0.5000	0.4746	95	0.5310	106	50-135	36-149	11	0-25	
Endosulfan Sulfate	0.5000	0.4613	92	0.5058	101	50-135	36-149	9	0-25	
Methoxychlor	0.5000	0.5117	102	0.5708	114	50-135	36-149	11	0-25	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8082
Project: SDGE Line 49-17			Page 9 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3092	**LCS**	**Solid**	**GC 58**	**02/27/15**	**02/27/15 20:35**	**150227L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	86.86	87	50-135	
Aroclor-1260	100.0	87.40	87	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Kleinfelder, Inc.
550 West C Street, Suite 1200
San Diego, CA 92101-3509

Project: SDGE Line 49-17

Date Received: 02/25/15
Work Order: 15-02-1923
Preparation: EPA 3510C
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-533-1010	**LCS**	**Aqueous**	**GC 58**	**03/03/15**	**03/04/15 14:29**	**150303L02**
099-12-533-1010	**LCSD**	**Aqueous**	**GC 58**	**03/03/15**	**03/04/15 14:47**	**150303L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	2.000	2.064	103	2.031	102	50-135	2	0-25	
Aroclor-1260	2.000	2.144	107	2.076	104	50-135	3	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
Project: SDGE Line 49-17			Page 11 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-06-010-2329	**LCS**	**Solid**	**GC/MS EEE**	**02/26/15**	**03/02/15 11:27**	**150226L17**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Naphthalene	0.2000	0.1867	93	51-129	38-142	
2-Methylnaphthalene	0.2000	0.1837	92	50-127	37-140	
1-Methylnaphthalene	0.2000	0.1765	88	54-132	41-145	
Acenaphthylene	0.2000	0.1947	97	50-123	38-135	
Acenaphthene	0.2000	0.2094	105	53-125	41-137	
Fluorene	0.2000	0.2028	101	55-127	43-139	
Phenanthrene	0.2000	0.2056	103	50-122	38-134	
Anthracene	0.2000	0.1816	91	50-132	36-146	
Fluoranthene	0.2000	0.1953	98	55-127	43-139	
Pyrene	0.2000	0.1937	97	50-134	36-148	
Benzo (a) Anthracene	0.2000	0.1798	90	50-133	36-147	
Chrysene	0.2000	0.2031	102	51-129	38-142	
Benzo (k) Fluoranthene	0.2000	0.1910	95	49-150	32-167	
Benzo (b) Fluoranthene	0.2000	0.1798	90	50-142	35-157	
Benzo (a) Pyrene	0.2000	0.1755	88	50-134	36-148	
Indeno (1,2,3-c,d) Pyrene	0.2000	0.1819	91	50-148	34-164	
Dibenz (a,h) Anthracene	0.2000	0.1867	93	50-133	36-147	
Benzo (g,h,i) Perylene	0.2000	0.1872	94	50-130	37-143	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 3510C
		Method:	EPA 8270C SIM PAHs
Project: SDGE Line 49-17			Page 12 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-06-008-783	**LCS**	**Aqueous**	**GC/MS AAA**	**02/27/15**	**03/02/15 11:49**	**150227L07B**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Naphthalene	2.000	1.634	82	21-133	2-152	
2-Methylnaphthalene	2.000	1.649	82	21-140	1-160	
1-Methylnaphthalene	2.000	1.551	78	20-140	0-160	
Acenaphthylene	2.000	1.898	95	33-145	14-164	
Acenaphthene	2.000	1.907	95	55-121	44-132	
Fluorene	2.000	1.956	98	59-121	49-131	
Phenanthrene	2.000	1.797	90	54-120	43-131	
Anthracene	2.000	1.805	90	27-133	9-151	
Fluoranthene	2.000	1.776	89	26-137	8-156	
Pyrene	2.000	1.673	84	45-129	31-143	
Benzo (a) Anthracene	2.000	1.649	82	33-143	15-161	
Chrysene	2.000	1.794	90	17-168	0-193	
Benzo (k) Fluoranthene	2.000	1.669	83	24-159	2-182	
Benzo (b) Fluoranthene	2.000	1.473	74	24-159	2-182	
Benzo (a) Pyrene	2.000	1.567	78	17-163	0-187	
Indeno (1,2,3-c,d) Pyrene	2.000	1.754	88	25-175	0-200	
Dibenz (a,h) Anthracene	2.000	1.839	92	25-175	0-200	
Benzo (g,h,i) Perylene	2.000	1.797	90	25-157	3-179	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 13 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-001-16495	**LCS**	**Aqueous**	**GC/MS JJ**	**02/26/15**	**02/26/15 15:43**	**150226L014**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.81	98	80-120	73-127	
Carbon Tetrachloride	50.00	54.20	108	67-139	55-151	
Chlorobenzene	50.00	51.46	103	78-120	71-127	
1,2-Dibromoethane	50.00	51.20	102	80-120	73-127	
1,2-Dichlorobenzene	50.00	51.55	103	63-129	52-140	
1,2-Dichloroethane	50.00	52.71	105	70-130	60-140	
1,1-Dichloroethene	50.00	52.93	106	66-126	56-136	
Ethylbenzene	50.00	52.01	104	80-123	73-130	
Toluene	50.00	49.84	100	80-120	73-127	
Trichloroethene	50.00	50.09	100	80-122	73-129	
Vinyl Chloride	50.00	42.98	86	70-130	60-140	
p/m-Xylene	100.0	107.9	108	75-123	67-131	
o-Xylene	50.00	56.66	113	74-122	66-130	
Methyl-t-Butyl Ether (MTBE)	50.00	45.94	92	69-129	59-139	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Kleinfelder, Inc.		Date Received:	02/25/15
550 West C Street, Suite 1200		Work Order:	15-02-1923
San Diego, CA 92101-3509		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: SDGE Line 49-17			Page 14 of 14

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9438	**LCS**	**Solid**	**GC/MS R**	**02/26/15**	**02/26/15 14:55**	**150226L025**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	52.05	104	78-120	71-127	
Carbon Tetrachloride	50.00	55.16	110	49-139	34-154	
Chlorobenzene	50.00	51.64	103	79-120	72-127	
1,2-Dibromoethane	50.00	49.31	99	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.86	102	75-120	68-128	
1,2-Dichloroethane	50.00	47.61	95	80-120	73-127	
1,1-Dichloroethene	50.00	59.36	119	74-122	66-130	
Ethylbenzene	50.00	55.13	110	76-120	69-127	
Toluene	50.00	52.76	106	77-120	70-127	
Trichloroethene	50.00	54.40	109	80-120	73-127	
Vinyl Chloride	50.00	64.14	128	68-122	59-131	ME
p/m-Xylene	100.0	113.1	113	75-125	67-133	
o-Xylene	50.00	55.38	111	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	47.88	96	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-02-1923 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3010A Total	935	ICP 7300	1
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 7470A	EPA 7470A Total	915	Mercury 04	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B (M)	EPA 3510C	682	GC 48	1
EPA 8015B (M)	EPA 3550B	682	GC 45	1
EPA 8081A	EPA 3545	669	GC 51	1
EPA 8081A	EPA 3510C	669	GC 44	1
EPA 8082	EPA 3545	669	GC 58	1
EPA 8082	EPA 3510C	669	GC 58	1
EPA 8260B	EPA 5030C	867	GC/MS R	2
EPA 8260B	EPA 5030C	959	GC/MS JJ	2
EPA 8270C SIM PAHs	EPA 3545	966	GC/MS EEE	1
EPA 8270C SIM PAHs	EPA 3510C	262	GC/MS AAA	1

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Glossary of Terms and Qualifiers

Work Order: 15-02-1923 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

DATE: 2/25/15
PAGE: 1 OF 1

WO NO. / LAB USE ONLY: **15-02-1923**

LABORATORY CLIENT: Kleinfelder
ADDRESS: 550 W C St
CITY: San Diego STATE: CA ZIP: 92101
TEL: 951 536 7138 E-MAIL: tmeier@kleinfelder.com

CLIENT PROJECT NAME / NO.: SDGE Line 49-17
P.O. NO.:
PROJECT CONTACT: Travis Meier 951 536 7138
LAB CONTACT OR QUOTE NO.:
GLOBAL ID:
LOG CODE:
SAMPLER(S): (PRINT) Bill Bergeron

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS: ** Hold trip blank samples unless VOCs encountered in soil samples

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH EPA 8015M	BTEX / MTBE ☐ 8260	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081A)	PCBs (8082)	PAHs ☑ 8270 C 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6		Asbestos		
1	B-5-4	2/25/15	0935	Soil	2	X						X	X	X				X	X	X	X			X		
2	B-5-8	2/25/15	0950	↓	1	X						X	X	X				X	X	X	X					
3 **	TripBlank-2-25-15	↓	1035	Water	2		X					HOLD														
4	B-5-Water	↓	1200	↓	8	X	X					U		P				U	U	U	P					

RB 2/25/15

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] ECI	2/25/15	1435
[signature]	[signature] ECI	2/25/15	1800

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WORK ORDER #: 15-02-1923

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KLEINFELDER DATE: 02/25/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.6 °C + 0.2 °C (CF) = 1.8 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Checked by: 671

CUSTODY SEALS INTACT:

☑ Cooler ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: 671

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present Checked by: 972

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☑4ozCGJ ☑8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOA**h** (3) ☐VOA**na₂** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB (3) ☐1AGB**na₂** ☐1AGB**s**

☐500AGB ☑500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☑250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na₂** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 150211B Labeled/Checked by: 972

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope Reviewed by: 689

Preservative: **h:** HCL **n:** HNO_3 **na₂:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered Scanned by: 689

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Subcontractor Analysis Report

Work Order: 15-02-1923 Page 1 of 1

One or more samples in this work order have tests that were subcontracted. The subcontract report(s) follows.

For subcontracted tests, please reference the laboratory information noted below.

1. EMSL - LA Testing - San Leandro,CA
   Asbestos

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EMSL Analytical, Inc
464 McCormick Street, San Leandro, CA 94577
Phone/Fax: (510) 895-3675 / (510) 895-3680
http://www.EMSL.com sanleandrolab@emsl.com

EMSL Order: 091502969
CustomerID: 32CALS51
CustomerPO: 15-02-1923
ProjectID:

Attn: **Richard Villafania**
Eurofins Calscience, Inc.
7440 Lincoln Way

Garden Grove, CA 92841

Project: **15-02-1923**

Phone: (714) 895-5494
Fax: (714) 894-7501
Received: 02/27/15 9:45 AM
Analysis Date: 3/3/2015
Collected: 2/25/2015

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling). Level B for 0.1% Target Analytical Sensitivity

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
B-5-4 *091502969-0001*		Brown Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	**None Detected**

Analyst(s)

Matthew Batongbacal (1)

Chris Dojlidko, Laboratory Manager
or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations. Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less then the limit of detection undergo additional analysis via TEM. Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial report from 03/04/2015 12:28:14

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OrderID: 091502969

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№ 0 9 1 5 0 2 9 6 9

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us

TO: EMSL Analytical, Inc.
2235 Polvorosa Ave,Suite 230
San Leandro, CA 94577
P: (510) 895-3675

CHAIN OF CUSTODY RECORD

DATE: 02/26/15

PAGE: 1 OF 1

LABORATORY CLIENT: EUROFINS CALSCIENCE, INC.

ADDRESS: 7440 LINCOLN WAY

CITY: GARDEN GROVE STATE: CA ZIP: 92841-1432

TEL: (714) 895-5494 E-MAIL: RichardVillafania@EurofinsUS.com

CLIENT PROJECT NAME / NUMBER: 15-02-1923

P.O. NO.:

PROJECT CONTACT: Richard Villafania

SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
x STANDARD o 24 HR o 48 HR o 72 HR o 5 DAYS

☐ COELT EDF

GLOBAL ID.:

LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PLM CARB 435 Level B (reporting limit to 0.1%)	CONTAINER TYPE
	B-5-4	02/25/15	9:35	S	1	X			X	4oz jar

Relinquished by: (Signature)	Received by: (Signature/Affiliation) GSO B 527079974	Date 2/26/15	Time 1620
Relinquished by: (Signature)	Received by: (Signature/Affiliation) FA	Date 2-27-15	Time 9:45am Courier
Relinquished by (Signature)	Received by: (Signature/Affiliation)	Date.	Time.

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COUNTY OF SAN DIEGO CUPA
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
PHONE: (858) 505-6990; FAX: (858) 505-6786; EMAIL: hmdutych@sdcounty.ca.gov

CERS ACCESS/I.D. REQUEST FORM

All Certified Unified Program Agency (CUPA) regulated businesses are required by law (Assembly Bill 2286) to submit business information electronically through the California Environmental Reporting System (CERS). This includes information related to your:

- Unified Program Facility Permit
- Hazardous Materials Business Plan
- Hazardous Waste
- Hazardous Waste Onsite Treatment
- Hazardous Waste Tank Closures
- Remote Waste Consolidation
- Recyclable Materials Reports
- Underground Storage Tanks
- Aboveground petroleum storage over 1,320 gallons
- Medical Waste**

A CERS I.D. is required in order to obtain or maintain a valid Unified Program Facility Permit. Please send your completed form to the County of San Diego Hazardous Materials Division (address above). When your CERS account is established, your designated lead users will receive an email with directions to begin electronic reporting.

** In San Diego County, Medical Waste Generators are required to report in CERS in order to receive a valid permit

☐ **Change of Owner (C/O):** a business is sold to a new owner.
☐ **Relocation:** a business moves to a new address and owner remains the same.
☒ **New Business:** a business opens in a vacant or newly constructed building.
☐ **CERS Assistance Requested:** none of the above are applicable. I need access to my CERS account.

PERMIT/RECORD NUMBER: ~~B48-053~~ 2017- 003941
CERS ID NUMBER: 10742332

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)*: BH-SD Rx, LLC dba 4Front Pharmacy
BUSINESS PHONE*:
SITE ADDRESS*: 7200 Parkway Drive
SUITE NUMBER*: 104
CITY*: La Mesa
ZIP*: CA 91942
DATE ASSUMED OWNERSHIP*:
BUSINESS ORGANIZATION, CORPORATE NAME, LLC, or OWNER FIRST AND LAST NAME*: BH-SD Rx, LLC
BUSINESS OWNER PHONE*: 858-254-2510

II. PREVIOUS ADDRESS (IF APPLICABLE)

PREVIOUS SITE ADDRESS:
PREVIOUS PERMIT/RECORD NUMBER:
PREVIOUS CITY:
ZIP: CA
PREVIOUS CERS ID:

III. CERS LEAD USERS

–PRIMARY–	–SECONDARY–
NAME*: Chad Engbrecht	NAME: Patrick Ziemer
TITLE*: CFO	TITLE: CEO
BUSINESS PHONE*: 858-254-2510	BUSINESS PHONE: 619-667-6062
E-MAIL:*: cengbrecht@apibhs.com	E-MAIL: pziemer@apibhs.com

*Required

I authorize the Hazardous Materials Division to create my CERS ID. I understand that I am responsible for completing and maintaining my facility information in CERS as required by law. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this form and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER OR OPERATOR:
DATE*: 8/15/17
NAME OF SIGNER (print)*: Chad Engbrecht
TITLE OF SIGNER*: CFO

OFFICE USE ONLY

☐ Plan Check (*HHMBP#:* _____) Last Inspection date: _____
☐ Processed C/O (*date:* _____) ☐ Added Lead Users (*date:* _____)
Received by (*date initials:* _____) Completed by (*initials:* _____)

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT

FACILITY NAME: **BH-SD Rx, LLC dba 4 FRONT RX**
ADDRESS: **7200 PARKWAY DR 104**
CITY/ZIP: **LA MESA** /**91942-1534**

INSPECTION DATE: **04/20/2018** PAGE **1** OF **4**
RECORD ID #: **DEH2017-HUPFP-003941**
TIME START: **11:30 AM** END: **12:25 PM**
SPECIALIST: **Donelle Griffin**
INSPECTION CONTACT: **Robert Menzer**
TITLE: **Pharmacy Technician**
PHONE: **(619) 383-3572**
E-MAIL: **mdelarosa@apibhs.com**

On the above date, the County inspected your facility under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **This report serves as a Notice to Comply (H&SC 25187.8 & 25404.1.2) for any minor violations as defined in H&SC 25404 and 25117.6.** This report may contain both minor and more significant (Class II) violations. Minor violations do not include repeat violations or violations remaining uncorrected for more than 30 days (or as specified below). Minor violations do not include knowing, willful, intentional, or chronic violations; nor do they include violations showing a pattern of neglect or disregard. The remarks below are intended to provide guidance to correct any violations indicated on the attached violation report. You must submit a written response to this report within 30 days (or as specified below) demonstrating that all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. Prompt correction can protect you from penalties for a "minor violation". Penalties can be imposed for each day in violation for all other violations even if they are corrected promptly. However, correction within 30 days (or as specified below) will make a penalty less likely.

NOTE: Reinspection fees will be charged if additional inspections are required to determine compliance.

Yes	N/A		Yes	N/A	
☐	☐	Unified Program Facility Permit Current	☐	☒	Contingency Plan Available ☐ LQG ☐ SQG
☐	☒	Hazardous Materials Business Plan Available	☐	☒	Employee Training Records Available
☒	☐	Employee Training is Adequate	☒	☐	Universal Waste Managed Properly
☐	☒	Waste Disposal Records Available for Review	☒	☐	Waste Containers ☒ Closed ☒ Labeled
☒	☐	Emergency Contacts Current ☐ Updated today	☒	☐	Waste Containers in Good Condition
☒	☐	Chemical Inventory/Map Current ☐ Updated today			Permit Expires On 10/14/2017

CONSENT TO CONDUCT INSPECTION GRANTED BY: Robert Menzer TITLE: Pharmacy Technician

INTRODUCTION:
The Hazardous Materials Division (HMD) is the Certified Unified Program Agency (CUPA) for the County of San Diego and acts as the local enforcement agency for the Medical Waste Management Act (MWMA).

Initial inspection for compliance with the Medical Waste Management Act. BH-SD Rx is doing business as 4 Front Rx. Facility is a small quantity medical waste generator that expects to generate ~50 lbs. of sharps waste per year. On site at the time of this inspection 1 x 5 lb sharps container (empty). No medical waste has been generated to date. Open date fo this phamacy was 4/9/2018.

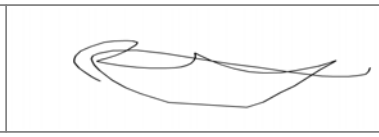
Please update CERS to include facility phone number - 619-383-3572 and update the largest container to 5 lbs, largest qty on site at one time to 5 lbs and average amount on site to 2.5 lbs. Please contact Donelle Griffin@ 858-260-1898 if myou have any questions.

INSPECTION REMARKS:
Helpful Websites:
• For guidance documents on hazardous materials-related topics,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_publications.html
• For information on the California Environmental Reporting System (CERS),
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat/hmd_cers.html
• If you have questions on: permit fees, business plan requirements, or hazardous waste regulations,
go to: http://www.sandiegocounty.gov/content/sdc/deh/hazmat.html
• To find out the latest San Diego County News and receive updates, subscribe to our govdelivery emails:
https://public.govdelivery.com/accounts/CASAND/subscriber/new

If you have any questions regarding this inspection, please contact Donelle Griffin ,858-260-1898, Donelle.Griffin@sdcounty.ca.gov

INSPECTION PHOTOS
None

All regulated businesses are required by law to submit their Unified Program-related information and business updates online through the California Environmental Reporting System (CERS). For additional information about CERS, go to: http://www.sandiegocounty.gov/deh/hazmat/hmd_cers.html

PRINTED NAME OF FACILITY REPRESENTATIVE **Robert Menzer**	SIGNATURE		DATE SIGNED **04/20/2018**
TITLE OF FACILITY REPRESENTATIVE **Pharmacy Technician**			

COUNTY OF SAN DIEGO

COMPLIANCE INSPECTION REPORT
Medical Waste Generators

FACILITY NAME: *BH-SD Rx, LLC dba 4 FRONT RX

ADDRESS: * 7200 PARKWAY DR 104 CITY/ZIP: *LA MESA 91942-1534

Each violation checked below is for the section(s) of the California health and Safety Code (HSC), California Code of Regulation (CCR), or the San Diego County Code (SDCC) indicated in italics. All violations must be corrected. Submit documentation of return to compliance to your Specialist. You may use the Corrective Action Form (HM-926) to document your return to compliance. Please call (858) 505-6880 or your Specialist if you have any questions. UPF = Unified Program Facility; MW = Medical Waste; USPS = United States Postal Service; DOT = Department of Transportation

MEDICAL WASTE GENERATORS

STORAGE AND LABELING

#	VIOLATION DESCRIPTION
☐ HMD4201	UPF Permit not obtained. HSC 117705; SDCC 68.905, 68.906, 68.1202
☐ HMD4216	Failed to submit or report in CERS chemical inventory information for hazardous waste and/or medical waste, and keep up to date. SDCC 68.904(a)(2)
☐ HMD4202	Medical waste (MW) not separated from other waste at the point of origin. HSC 118275
☐ HMD4203	Enclosure or designated accumulation area for MW containers not secured. HSC 118307, 118310
☐ HMD4204	MW designated accumulation area not posted with an approved, legible biohazardous waste "warning sign" in English & Spanish or in another language, in addition to English which can be read from a distance of at least 25 feet. HSC 118310
☐ HMD4205	Medical SOLID WASTE not secured to deny access to unauthorized persons. SDCC 68.1211
☐ HMD4206	Leak or spill of MW not properly decontaminated. HSC 118300
☐ HMD4207	Sharps not stored in approved container or labeled with the words "sharps waste" or with the international biohazard symbol and the word "BIOHAZARD". HSC 118285(a) & (d)
☐ HMD4208	Full sharps container not taped closed or tightly-lidded to preclude loss of contents. HSC 118285(b)
☐ HMD4209	Primary containers accumulating MW not labeled with an electronic tracking system label or a label with generator's name, address and phone number. SDCC 68.1205
☐ HMD4210	Medical waste not stored in approved and properly marked biohazard bags. HSC 118275(a)
☐ HMD4211	Biohazard bags not tied off to prevent leakage or expulsion of contents during storage and handling. HSC 118280(a)
☐ HMD4212	Biohazardous bags not containerized in rigid, leak resistant, and covered containers or bins when placed for storage, handling, or transport. HSC 118280(c)
☐ HMD4213	Waste container or bin not labeled with the words "Biohazardous Waste" or with the international biohazard symbol and the word "BIOHAZARD" on the lid and sides. HSC 118280(c)
☐ HMD4214	Reusable containers or bins for MW storage not thoroughly washed and decontaminated and maintained in a clean and sanitary manner. HSC 118295, 118305
☐ HMD4215	Frozen (0°C/32°F) biohazardous waste stored for not more than 90 days. HSC 118280(e)(2)
☐ HMD4306	Full sharps container stored not more than 30 days at >0°C. HSC 118285(c)
☐ HMD4307	Biohazard bag waste stored not more than 7 days at >0°C (for generators of 20 or more pounds a month). HSC 118280(e)(1)(A)
☐ HMD4308	Biohazard bag waste stored >30 days at >0°C (for generators of <20lbs/month). HSC 118280(e)(1)(B)
☐ HMD4219	MW interim storage area not marked with warning signs or international biohazard symbol legible from a distance of 5 feet. HSC 118307, 118310
☐ HMD4220	MW interim storage area not properly secured. HSC 118307

TREATMENT AND DISPOSAL

#	VIOLATION DESCRIPTION
☐ HMD4251	MW treated by unapproved method/procedure. HSC 118215
☐ HMD4252	Standard written operating procedures for steam sterilization not established. HSC 118215(a)(2)(A)
☐ HMD4253	Recording thermometer not calibrated annually. HSC 118215(a)(2)(B)
☐ HMD4254	No records of annual thermometer calibration checks onsite for at least the past 2 years. HSC 118215(a)(2)(B)
☐ HMD4255	Heat-sensitive tape or other approved method not used for each load treated onsite. HSC 118215(a)(2)(C)
☐ HMD4256	Monthly biological indicator or other approved indicator not used to confirm proper sterilization. HSC 118215(a)(2)(D)
☐ HMD4257	Onsite steam sterilization did not reach 121° C (250° F) for at least 30 minutes. HSC 118215(a)(2)(B)
☐ HMD4258	Treatment records or logs of dates, time, and temperature not maintained for at least 2 years. HSC 118215(a)(2)(E)
☐ HMD4259	Disposal of untreated MW to an unauthorized point. HSC 118340

TRANSPORTATION REQUIREMENTS

#	VIOLATION DESCRIPTION
☐ HMD4260	Transportation of MW without State Hauler Registration, USPS or requirements of the DOT "Materials of Trade Exceptions." HSC 118025
☐ HMD4311	Medical waste tracking documents or logs not in vehicle transporting medical waste. HSC 118040(a)
☐ HMD4313	Medical waste tracking documents or logs not complete. HSC 118040(b)

SMALL QUANTITY GENERATORS ONLY

(<200 POUNDS OF MEDICAL WASTE GENERATED PER MONTH)

#	VIOLATION DESCRIPTION
☐ HMD4301	Medical Waste Management Plan (MWMP) not submitted to HMD (initial/updates), if onsite treatment. HSC 117935
☐ HMD4302	Did not maintain and show proof of "onsite" medical waste treatment records for 3 years. HSC 117943
☐ HMD4303	Did not maintain on file disposal receipts, tracking or shipping documents for medical waste shipped offsite for at least 3 years. HSC 117945
☐ HMD4309	MWMP or equivalent information not onsite (only for SQG doing onsite treatment or comply with pharmaceutical waste hauling exemption). HSC 117935, 118032

☐	HMD4310	Did not meet the requirements of the pharmaceutical waste hauling exemption. HSC 118032

LARGE QUANTITY GENERATORS ONLY

(>= 200 POUNDS OF MEDICAL WASTE GENERATED PER MONTH)

#		VIOLATION DESCRIPTION
☐	HMD4351	MWMP not submitted to HMD (initial/updates) or incomplete. HSC 117960, 117970
☐	HMD4352	Records of medical waste treatment not available for 2 years. HSC 117975, 118215(a)(2)(E)
☐	HMD4353	Did not make available disposal receipts, tracking or shipping documents for at least 2 years for medical waste shipped offsite. HSC 117975

LQG MW ONSITE TREATMENT FACILITY

(>= 200 POUNDS OF MEDICAL WASTE GENERATED PER MONTH)

#		VIOLATION DESCRIPTION
☐	HMD4501	Onsite MW treatment permit not obtained or renewed. HSC 117950, 118130; CCR 65620, 65623
☐	HMD4502	Current copy of the MW treatment permit not available. HSC 118165, 118180; CCR 65621(f), 65623
☐	HMD4503	Condition(s) of the MW treatment permit violated. CCR 65623
☐	HMD4504	Operators who treat medical waste not trained in proper equipment use, proper protective equipment to wear and if necessary, proper cleanup of spills. HSC 117967(a)
☐	HMD4505	Initial and/or annual training for operators that treat medical waste not provided. HSC 117967(b)
☐	HMD4506	Initial and/or annual training documentation for operators that treat medical waste not available for two years. HSC 117967(c)

CHEMOTHERAPY, PATHOLOGY, PHARMACEUTICAL HAZARDOUS & UNIVERSAL WASTES

#		VIOLATION DESCRIPTION
☐	HMD4401	Trace chemotherapy waste not segregated from other MW. HSC 118275(a)(4)
☐	HMD4402	Trace chemotherapy waste container not labeled "Chemotherapy Waste" or "CHEMO" on the lid and the sides. HSC 118275(a)(4)
☐	HMD4403	Illegal disposal of chemotherapy waste. HSC 118340
☐	HMD4411	Pathology waste not segregated from other MW. HSC 118275(a)(5)
☐	HMD4412	Pathology waste container not labeled "Pathology Waste" or "PATH" on the lid and the sides. HSC 118275(a)(5)
☐	HMD4413	Illegal disposal of pathology waste. HSC 118340
☐	HMD4421	Pharmaceutical waste not segregated from other MW. HSC 118275(a)(6)
☐	HMD4422	Pharmaceutical waste not labeled "HIGH HEAT" or "INCINERATION ONLY" on the lid and the sides. HSC 118275(a)(6)
☐	HMD4423	Pharmaceutical waste stored more than 90 days when container is full, or stored longer than one year (maximum allowable time). HSC 118280(f)
☐	HMD4432	Illegal disposal of pharmaceutical waste. HSC 118340, 118222(b)
☐	HMD4441	Disposal of photo/hazwaste to an unauthorized point. HSC 25189.5
☐	HMD0147	Failed to keep records of offsite Universal Waste shipment(s) available for inspection for 3 years. 22 CCR 66273.39(c),(d)(2)
☐	HMD0307	Disposal of universal waste (UW) to an unauthorized point. HSC 25189.5(a), 25189(c),(d); 25189.2(c); 22 CCR 66273.31(a), 66273.8(b)

HAZARDOUS MATERIALS MANAGEMENT UNIT
ABANDONED UNDERGROUND TANK REPORT

EST. # H02651
P.C. # AT 1124

[X] YES FIRE AGENCY [ ] NO
FIRE AGENCY PERMIT # _____
JURISDICTION _____
PHONE _____
C.G.I. 1% LEL

OF TANKS TO BE ABANDONED FOUR PHONE _____
SITE NAME/ADDRESS LA MESA RV 7601 ALVARADO RD ZIP 92041
CONTRACTOR BOB ALM PHONE 561-6048

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
1. Tank ID #					
2. U/L #					
3. Capacity (Gallons)	550 G	550 G	550 G	2000 G	
4. Material Stored	W.O.	NEW OIL	NEW OIL	REG LEADED	GAS
5. Decontamination:	YES	→	→	→	
Manifest Available?	YES	→	→	→	
6. Tank Inerting: (CGIRDS)	YES	→	→	→	
Dry Ice/Nitrogen (Qty)	10 lbs	→	→	30 lbs	
7. Tank Condition (Holes)	HOLES BOTTOM	HOLES BOTTOM	HOLES	HOLES	
8. Condition of Back Fill & Type	SAND/SOIL DISCOLORED	→	→	SAND/SOIL DARK/GAS	ODOR
9. Condition of Native Soil/Type	CLAY COBBLES	→	→	→	
10. Odors From Excavation?	NONE	→	→	GAS	
11. Ponded Product?	NOT	OBSERVED	→	→	
12. Ground Water Contamination	SLIGHT ?	→	→	→	
13. Tank Closure in Place	NO	NO	NO	NO	
14. Pipeline Leak Evident?	NO	NO	NO	NO	
15. Reinspection Required?	NO	→	→	→	
16. Reinspection Receipt Available?	N/A	N/A	N/A	N/A	

REMARKS:
1) TANKS CLEANED BY TRIAD - TAKEN TO NELCO.
2) GROUND WATER OBSERVED AT ≈ 7' IN TANK HOLES.
3) OIL TANKS ALL HAD NUMEROUS HOLES ON THE BOTTOM
4) TANKS TO GO TO PACIFIC STEEL.
5) GAS TANK HAD MANY HOLES ON BOTTOM.

NOTICE: *You are hereby notified that on* 2/22/88, DOUG LIPERA, Hazardous Materials Specialist of County Department of Health Services, conducted an inspection for the removal and/or abandonment of underground storage tanks of hazardous substances. A summary of conditions found is noted as follows: FOUR

[ ] No indication of soil or groundwater contamination apparent this date. Excavation may be backfilled.

[X] The conditions noted below must be reported and corrected in accordance with Chapters 6.5 and 6.7 of the *California Health and Safety Code and Chapters 9 and 10 of the San Diego County Code.*

[ ] Hazardous substance/waste is ponded in the excavation. Immediately take steps to remove the ponded hazardous liquid from the excavation. This liquid is a hazardous waste that shall be properly transported, under manifest, by a licensed hazardous waste hauler to a licensed recycling or disposal facility.

[X] *Contaminated soil and/or contaminated groundwater is suspected in the excavation. Determining the* extent and impact of this contamination and completing any required clean-up is the responsibility of the tank owner/operator. Within 5 work days, the tank owner/operator or his agent must submit a written UNAUTHORIZED RELEASE REPORT to the Department of Health Services including all of the following information that is known at the time of filing the report:

a. Describe the type, quantity and concentration of the hazardous substance released.
b. Provide the results of all investigations completed at this time to determine the extent of soil, groundwater, or surface water contamination due to the release.
c. Describe the method of cleanup implemented to date, proposed cleanup actions, and approximate costs of actions taken to date.
d. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water. (If any contaminated soil/water is hauled off-site, include copies of the hazard waste manifests).
e. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of proposed activity schedule.

Subsequent mitigation actions will be discussed upon review of the submitted Report and consultation with other appropriate agencies.

- REFER TO REVERSE SIDE FOR ADDITIONAL INFORMATION/REQUIREMENTS -

Received by [signature]
Phone # 561-6048

[signature] Hazardous Materials Specialist Signature

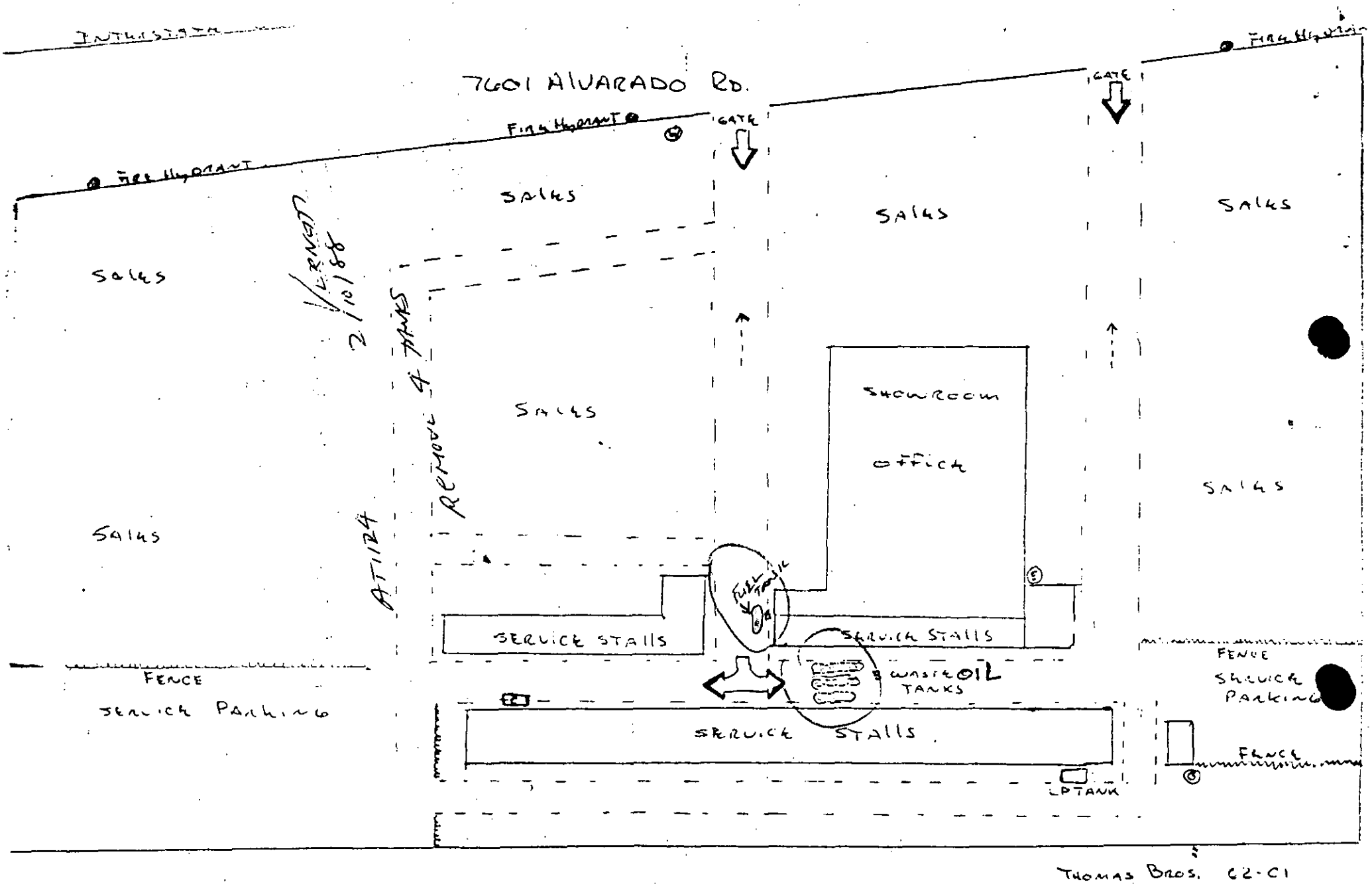
County of San Diego
Department of Health Services
HMMU - 1700 Pacific Highway
San Diego, CA 92101-2489
(619) 236-2222

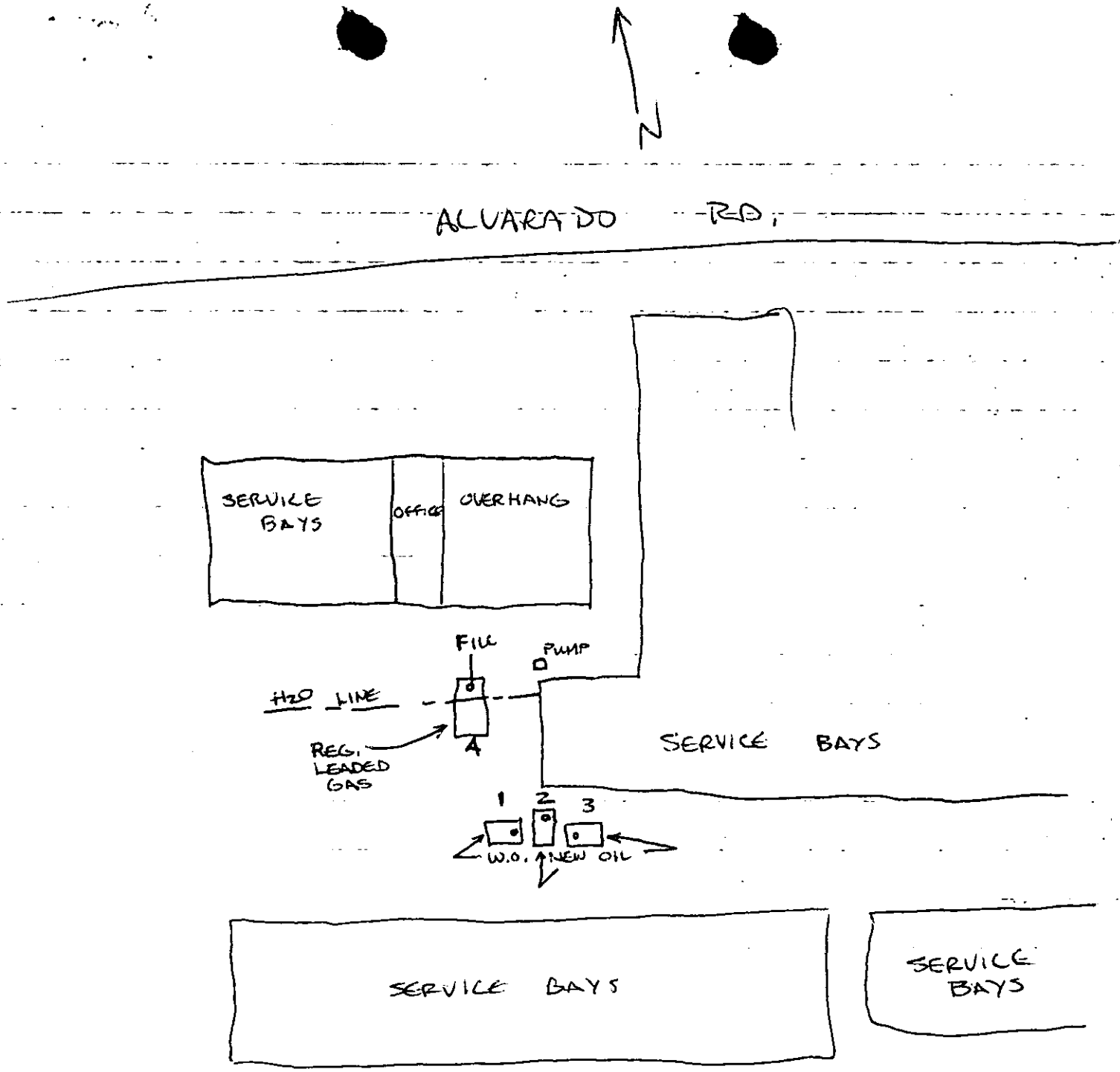
DHS:HM-9160 (11/86)

Field Observations and Notes:

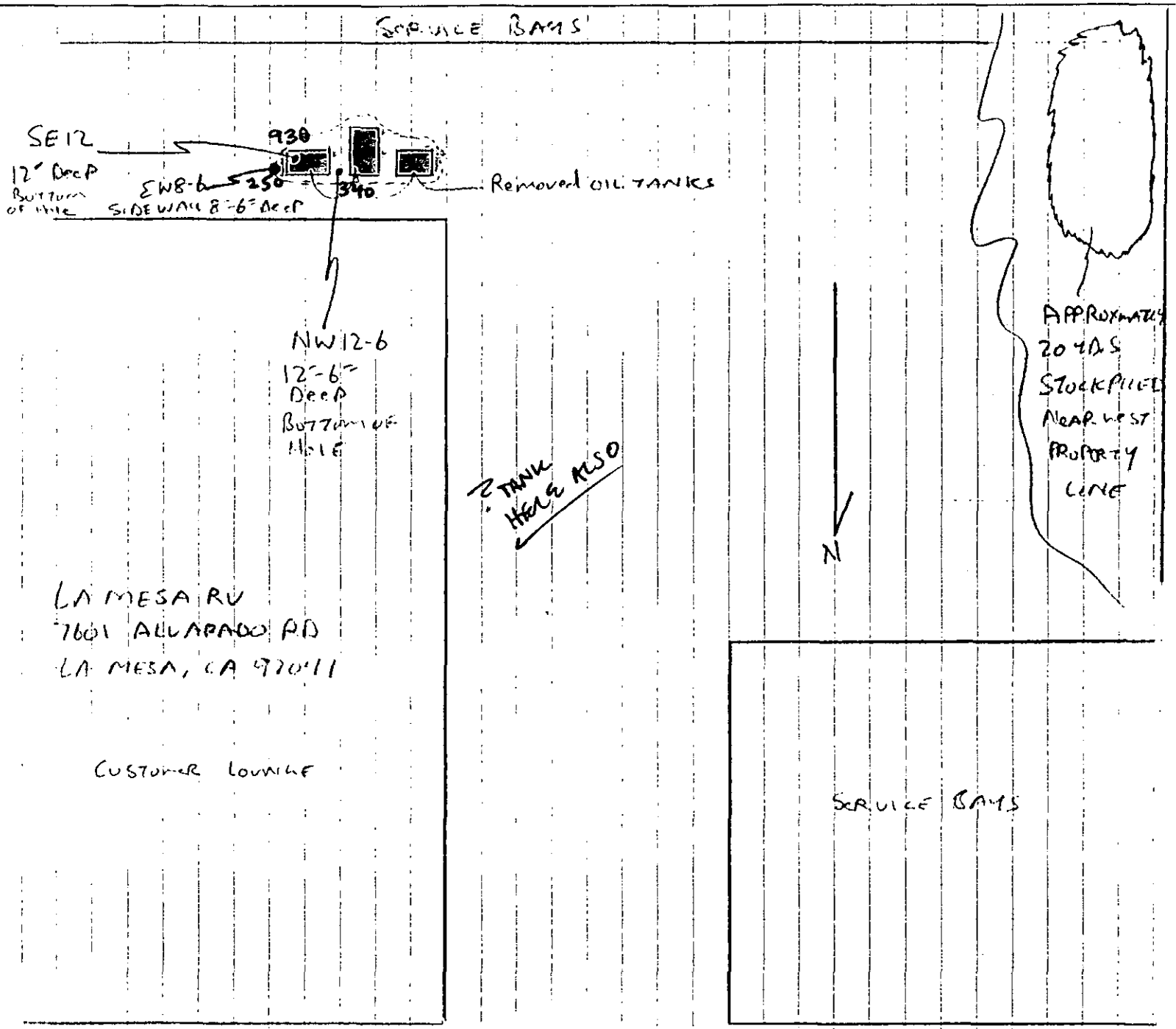
1. Type of hazardous substance released: GASOLINE, W.O., PROD. OIL
2. Is hazardous substance ponded? NOT APPARENT Estimated amount _____
3. Is amount of hazardous substance release known? NO Estimated amount _____
4. Estimated depth to groundwater ≈ 7'
5. Is there an existing or potential beneficial use of the groundwater identified in the Basin Plan? YES
6. Soil conditions:
   a. Is backfill discolored? YES Estimated amount _____
   b. Is backfill saturated? NO Estimated amount _____
   c. Is native soil discolored? SOMEWHAT Estimated amount _____
   d. Is native soil saturated? NO Estimated amount _____
   e. Type of native soil (sandy, clay, etc.) CLAY W/ COBBLES
7. Description of odors from excavation MODERATE GAS
8. Condition of tank (holes, corrosion, deteriorated wrapping, etc.) _____
   ALL TANKS HEAVILY CORRODED WITH MANY HOLES ON THE BOTTOM FROM PINHOLES TO 1/2" - 3/4" IN DIA.
9. Pipeline leak evident? NO
10. Nearby underground vaults or utilities or basements? (Specify) _____
11. Nearby water wells or surface waters? NO
12. Other comments/observations: _____
    SEE ATTACHED DRAWING.

DHS:HM-916 (3/87)


7601 ALVARADO RD.
INTERSTATE
FIRE HYDRANT
GATE
SALES
SALES
SALES

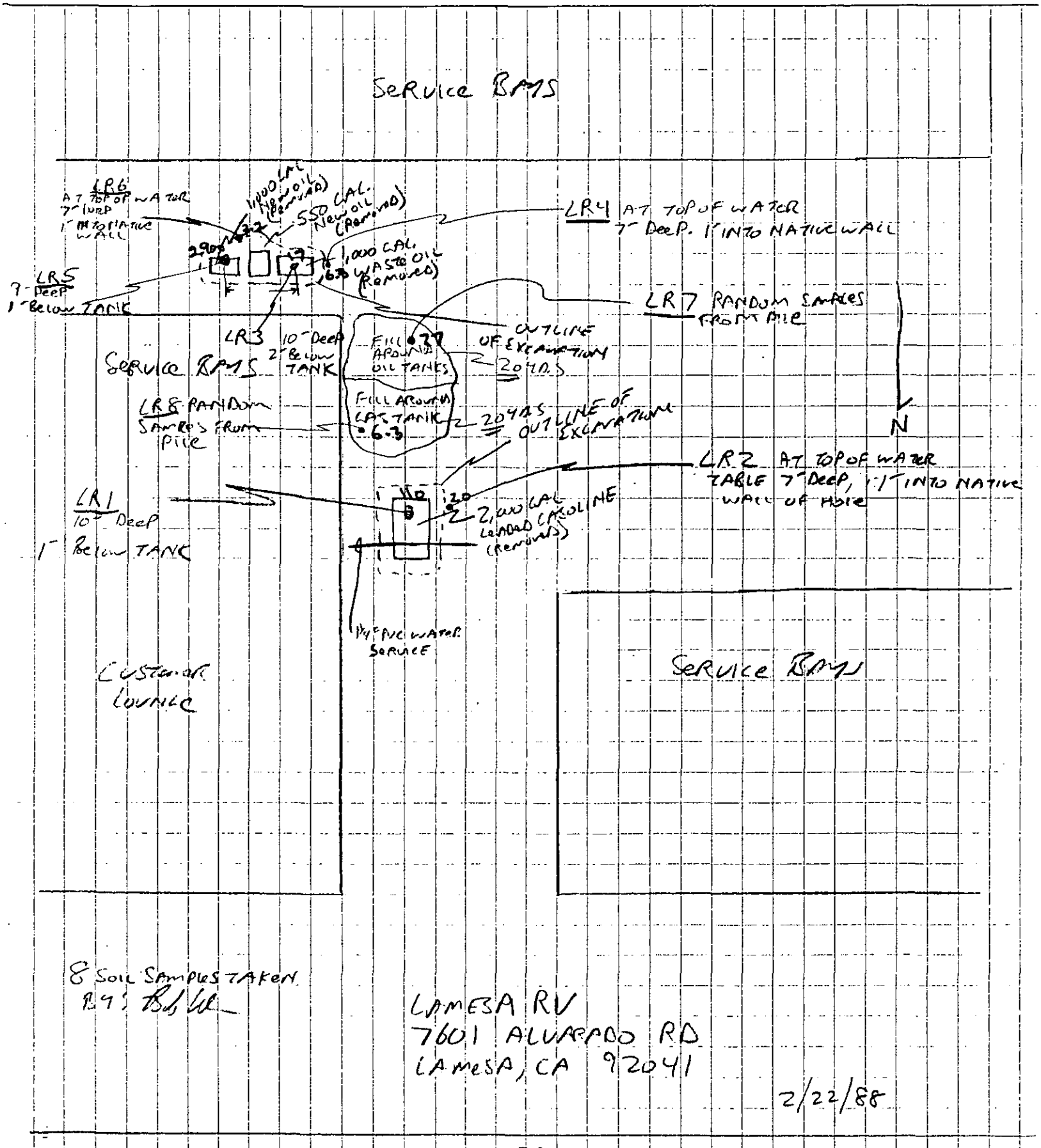

N
ALVARADO RD.
SERVICE BAYS
OFFICE
OVERHANG
FILL
PUMP
H2O LINE
REG. LEADED GAS
4
SERVICE BAYS
1
2
3
W.O.
NEW OIL
SERVICE BAYS
SERVICE BAYS

ALM SERVICES
P. O. BOX 2354
LAKESIDE, CALIFORNIA 92040
619 - 561-6048



SITE PLAN SHOWING SOIL SAMPLE LOCATIONS
SAMPLE DATE 5/14/88
BY: B. AL—

ALM SERVICES
P. O. BOX 2354
LAKESIDE, CALIFORNIA 92040
619 - 561-6048



QUALITY ASSURANCE LABORATORY
CHAIN OF CUSTODY

COMPANY: ALM Services

PROJECT NAME/NUMBER: LA MESA-RV 7601 ALVARADO RD LA MESA, CA 92041

Q.A. LOG NUMBER: 2003-88 TO 2010-88

SAMPLE ID	DATE OF SAMPLE	SAMPLE LOCATION	CONT TYPE	SAMPLE TYPE	ANALYSIS REQUIRED	COMMENTS
LR1	2/22/88	GAS 10'	GLASS	Soil	will phone in	TEH (mod 8015) ON 6/K SAMPLES
LR2		GAS, 7'				BTX, (8020) on highest
LR3		OIL 10'				
LR4		OIL 7'				418.1 on oil samples
LR5		OIL 9'				BTX, 8010, PCB on
LR6		OIL 7'				highest sample
LR7		OIL PILE				
LR8		GAS PILE				

SEND RESULTS TO ATTN: BOB

PHONE #: 561-6048

MAIL TO: 8778 BURKSHIRE PL.
LAKESIDE, CA 92040

RELINQUISHED BY	DATE/TIME	RECEIVED BY
[signature]	2/22/88 12:30PM	[signature]
RELINQUISHED BY	DATE/TIME	RECEIVED BY
RELINQUISHED BY	DATE/TIME	RECEIVED BY

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PERMIT APPLICATION

PART I

GENERAL PROJECT INFORMATION

FOR HMMU USE:
Plan Check # AT1124
Date Received 2/4/88
Fee Paid 2/4/88
Plan Approval 2/10/88
Estab # H02651
Hydro Unit 71
Benef. Use 963

A. SITE ADDRESS: 7601 Alvarado Rd. (Street) La Mesa (City) 92041 (Zip Code)

B. PROPERTY OWNER:
Company La Mesa RV Center Contact Jim Buckner
Mailing Address 7601 Alvarado Rd. City La Mesa Zip 92041
Phone (619) 462-5660
24 Hr. Emergency Contact Jim Buckner Phone ( ) 462-5660

C. TANK OPERATOR:
Company La Mesa RV Center Contact Jim Buckner
Mailing Address 7601 Alvarado Rd. City La Mesa Zip 92041
Phone ( ) 462-5660
24 Hr. Emergency Contact Jim Buckner Phone ( ) 462-5660

D. CONTRACTOR:
Primary Contractor ALM SERVICES Contact Bob Alm
Mailing Address 8778 Burkshire Pl City Lakeside Zip 92040
Phone (619) 561-6048
State Contractor License No. 464087
Worker's Compensation Insurance Company Travelers Phone (619) 443-9181
Check Here if Owner/Builder: ☐

E. APPLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUANCE, AND REQUIRED INSPECTIONS:

Submit three (3) copies of this application package, including plan drawings, with the required fee to the Department of Health Services, Hazardous Materials Management Unit, Room 311, 1700 Pacific Highway, San Diego, CA 92101. Checks should be made payable to the County of San Diego.

A permit will be issued by the Department of Health Services (DHS) upon review and approval of the application and plans. The required fees must be submitted with the application package. Information in addition to that presented in this application package may be needed in order to obtain final approval. No work is to begin on the proposed project until a permit has been issued. The required inspections cannot be scheduled until a permit has been issued.

Once the permit has been issued, it is the permittee's responsibility to notify the DHS at least two (2) working days in advance to schedule each required inspection.

Construction stages at which inspections are required are indicated in each subpart of this application form (i.e., Part II, III and IV).

F. Indicate the Company/Person you wish to have our plan check comments directed to by circling the appropriate section letter above or if different enter below.

G. PROJECT WORK TO BE COMPLETED: Check Applicable Box	COMPLETE APPLICATION PARTS	FEE CODE (TABLE H.)	CODES FOR OFFICE USE ONLY
[ ] Installation/Construction of new tank(s) only (without removing/abandoning any existing tanks.)	I & II	1	NT
[ ] Removal/Destruction of existing tanks with installation of new tanks (tank replacement).	I, II & III	1 & 2	NR
[X] Removal/Destruction of existing tank(s) with no new tank installation.	I & III	2	AT
[ ] Removal only of one tank less than 1000 gallon with no new tank installation.	I & III	4	AT
[ ] Repiping of an existing tank facility.	I & II (Sections E thru N Only)	3	NM
[ ] Interior coating of an existing tank facility.	I & IV	1	NM

H. FEES: The fees shown below cover plan review and approval and the required field inspections. Use the appropriate Fee Code as determined in Section G above.

Fee Code

[1] Base fee for one tank ($372) Fee: $ _____

Fee for additional tanks ($102 each) Fee: $ _____

[2] Fee to abandon 1 tank ($156) Fee: $ 156.-

Fee for additional abandoned tanks ($78 each) Fee: $ 234.-

[3] Fee per Facility ($312) (Repipe Only) Fee: $ _____

[4] Fee to remove only one tank less than 1000 gallons ($65) Fee: $ _____

TOTAL FEE: $ 390.-

CASH _____ CHECK # 2821

I. PERMITS REQUIRED BY OTHER AGENCIES:

Application #'s:
Fire Dept. ✓ APCD _____ Bldg. Dept. _____ Cal OSHA _____ Other _____

Provide copies of approved applications from other agencies requiring permits for this project.

- END OF PART I -

County of San Diego
Department of Health Services

UNDERGROUND HAZARDOUS MATERIALS STORAGE TANK FACILITY

PART III

APPLICATION FOR PERMIT TO ABANDON

Complete all sections of Part III. If information is not known or applicable please indicate on application.

A. Total number of tanks to be abandoned 4

B. Tank Information - Complete the following information for each tank to be abandoned. Attach additional sheets as necessary.

Tank Number (Label tanks on plot plan to correspond to application)		1	2	3	4
Tank Capacity (gallons)		2000 gas	550 waste oil	550 waste oil	550 waste oil
Date Tank Installed		unknown	unknown	unknown	unknown
Tank Composition (Steel, Fiberglass, Fiberglass Coated Steel, Concrete, etc.)		steel	steel	steel	steel
Tank Manufacturer		unknown	unknown	unknown	unknown
Tank Presently in Use? (Yes-No)		no	yes	yes	yes
Materials Stored in Tank	Material: dates:	GAS ? to	w/o ? to 88	w/o ? to 88	w/o ? to 88
	Material: dates:	to	to	to	to
Has Tank System Leaked? (Yes, No, Not Known)	Tank	unknown	unknown	unknown	unknown
	Piping	"	"	"	"
Basis of determination (Inventory records, tank system testing/monitoring, environmental monitoring)			FAILED PRESISION TESTS ON 11/18/86		
Is any part of the system cathodically protected? (Yes-No-Not Known)					
	Tank	no	no	no	no
	Piping Lines	"	"	"	"
Piping materials					

C. PREVIOUS OWNERS AND [redacted]RS OF THE TANK(S):

Dates	[redacted]ner/Operator

D. Approximate depth to groundwater: unknown

Basis of Determination: _____

E. Proposed method of abandonment: |XX| Removal |___| Destruction in place

NOTE: Removal of the tank(s) is the preferred method of abandonment. Destruction of the tank in place, for example, by filling with an inert substance, will only be considered in special cases upon submittal of additional information to determine the risks and hazards of contamination. Additional information required includes recent tank testing results, soils data, special site characteristics and approval from the local Fire Department.

F. Future use/disposal site of tank: scrap

G. ATTACH A PLOT PLAN ON 8-1/2" x 11" paper showing the following:

1. Property Lines, Site Address, Scale, North Arrow
2. Location of 100 year flood plain, if applicable
3. Location of all existing and proposed structures
4. Location of all existing and proposed underground storage tank facilities
5. Location of underground tank(s) to be abandoned (number tanks to correspond to application)
6. Location of underground utility lines and vaults

H. REQUIRED INSPECTION - PERMIT TO ABANDON

A representative of the Department of Health Services (DHS) must be on site at the time the tank(s) is removed from the ground to evaluate the condition of the tank and the surrounding soil and/or groundwater. Any evidence of an unauthorized release of a hazardous material from the tank will require the submittal of additional information by the permittee to the DHS.

When a permit has been issued by the DHS to destroy a tank in place, the DHS will inspect to verify that the tank has been properly emptied and purged of all hazardous materials immediately prior to filling with an approved inert substance.

I. I declare that to the best of my knowledge and belief the statements and information provided are correct and true. I understand that information in addition to that provided above may be needed in order to obtain final approval by the Department of Health Services.

I understand that tests and procedures that may be required by other departments and agencies to demonstrate adequate site safety or suitability for future development (e.g., soil compaction testing) are in addition to the requirements of the Department of Health Services.

I will notify the Department of Health Services at least two working days (48 hours) before work is to begin in order to schedule the required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of San Diego.

Signature & Title [signature] OPERATIONS MGR

Print Name MARK CRAIG

Telephone ( ) 561-6048 Date 2-9-88

C. S.

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

July 26, 1996

Fredna Gustavson
1100 Westwood Rd
Santa Cruz, CA 95060

Dear Ms. Gustavson:

UNDERGROUND STORAGE TANK (UST) CASE
LA MESA RV CENTER, 7601 ALVARADO ROAD, LA MESA, CA 92041
UNAUTHORIZED RELEASE #H02651-001

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e). If a change in land use is proposed, the owner must promptly notify this agency.

Please telephone Carol Spangenberg at (619)338-2257 if you have any questions regarding this matter.

Sincerely,

CHUCK PRYATEL, Chief
Site Assessment and Mitigation Division

CP:ac

Enclosure

cc: Regional Water Quality Control Board
State Water Resources Control Board, Underground Tanks Program
Barry Pulver, Environmental Business Solutions, Inc.

WP/H02651A

C.S.

County of San Diego

DANIEL J. AVERA
DIRECTOR

LARRY T. AKER
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

July 26, 1996

Mr. Jim Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

UNDERGROUND STORAGE TANK (UST) CASE
LA MESA RV CENTER, 7601 ALVARADO ROAD, LA MESA, CA 92041
UNAUTHORIZED RELEASE #H02651-001

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

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Sincerely,

CHUCK PRYATEL, Chief
Site Assessment and Mitigation Division

CP:ac

Enclosure

cc: Regional Water Quality Control Board
State Water Resources Control Board, Underground Tanks Program
Barry S. Pulver, CEG, Environmental Business Solutions, Inc.

WP/H02651B

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: July 3, 1996

Agency Name: County of San Diego, Environmental Health, SAM	Address: PO Box 85261
City/State/ZIP: San Diego, CA 92186-5261	Phone: (619) 338-2222 Fax: (619) 338-2377
Responsible Staff Person: Carol Spangenberg	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: La Mesa RV Center		
Site Facility Address: 7601 Alvarado Road, La Mesa, CA 92041		
RB LUSTIS Case No: N/A	Local Case No: H02651-001	LOP Case No: N/A
URF Filing Date:	SWEEPS No: N/A	
Responsible Parties	Addresses	Phone Number
Fredna Gustavson	1100 Westwood Rd, Santa Cruz, CA 95060	
La Mesa RV Center, c/o Jim Buckner	7601 Alvarado Rd. La Mesa, CA 91941	(619) 462-5660

Tank No.	Size in Gal.	Contents	Closed in Place/Removed?	Date
1	550	Used Oil	Removed	2/22/88
2	550	product motor oil	Removed	2/22/88
3	550	product motor oil	Removed	2/22/88
4	2000	leaded gasoline	Removed	2/22/88

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Numerous holes were noted in the underground storage tanks at removal.			
Site Characterization complete? Yes	Date Approved By Oversight Agency: June 13, 1996		
Monitoring Wells Installed? Yes	Number: 3	Proper Screened Interval? Yes	
Highest GW Depth Below Ground Surface: 4.18 feet	Lowest Depth: 8.71 feet	Flow Direction: West	
Most Sensitive Current Use: Municipal			
Are Drinking Water Wells Affected? No	Aquifer Name: Mission San Diego of Lower San Diego HA		
Is Surface Water Affected? No	Nearest SW name: Alvarado Creek		
Off-Site Beneficial Use Impacts (addresses/locations): None			
Report(s) on file? Yes	Where is Report(s) Filed? County of San Diego, Environmental Health		

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	Four	Tanks were cleaned and taken to Nelco, San Diego	2/22/88
Piping	All associated piping	Disposed at Nelco, San Diego, CA	2/22/88
Free Product	None		
Soil	400 cubic yards	Southwest Disposal, Highway 95, Somerton, AZ 85350	5/20/92
Groundwater	purge water from groundwater monitoring events	San Diego Metropolitan Wastewater Department	
Barrels	None		

Case Closure Summa
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- BEFORE AND AFTER CLEANUP

Contaminant	Soil(ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	980	174	<.5	<.5	Xylene	1.455	1.455	.0125	<.0005
TPH (Diesel)	271	271	<.5	<.5	Ethylbenzene	<1	.712	.002	<.0005
Benzene	<1	<.05	<.0005	<.0005	Oil & Grease	27,000	9,140	1.000	<.500
Toluene	<1	<.05	.0329	<.0005	Heavy Metals	Pb 26.7	Pb 26.7		
Other: EPA 8080	< detection				Other: EPA 8010	<detection			
Organic Pb	1.5	1.5	<5	<.6	MTBE			.0007	<0.0006

Comments (Depth of Remediation, etc.): Petroleum contaminated soil was excavated from the area of the tanks to 15 feet below grade surface.

There remains residual petroleum contaminated soil, approximately 1212 cubic yards, on site. Based on the Total Petroleum Hydrocarbon (TPH) analyses and the Total Recoverable Petroleum Hydrocarbons (TRPH) analyses performed, 99% is in the motor oil carbon range.

Based on the conclusions of the consultant, Environmental Business Solution, Inc., and the groundwater monitoring data which shows that the residual levels of petroleum contaminants in groundwater are below Drinking Water Maximum Contaminant Levels, it is concluded that the petroleum contamination levels remaining in groundwater and soil do not pose a threat to public health.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes

Site Management Requirements: None

Should corrective action be reviewed if land use changes? Yes

Monitoring Wells Decommissioned: None | Number Decommissioned: 0 | Number Retained: 3

List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility

List Enforcement Actions Rescinded: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Chuck Pryatel | Title: Division Manager, Site Assessment and Mitigation

Signature: | Date: 7-25-96

Hydrogeologist Concurrence: Kevin Heaton | Date: June 13, 1996 7/25/96

VI. RWQCB NOTIFICATION

Date Submitted to RB: June 24, 1996 | RB Response: Agrees to no further action (closure) at this time.

RWQCB Staff Name: Marisela Humphries | Title: Water Resources Control Engineer | Date: June 28, 1996

VII. ADDITIONAL COMMENTS, DATA, ETC.

The geology at the site is Stadium conglomerate, silty gravel and clayey sand.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: June 24, 1996

Agency Name: County of San Diego, Environmental Health, SAM	Address: PO Box 85261
City/State/ZIP: San Diego, CA 92186-5261	Phone: (619) 338-2222 Fax: (619) 338-2377
Responsible Staff Person: Carol Spangenberg	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: La Mesa RV Center

Site Facility Address: 7601 Alvarado Road, La Mesa, CA 92041

RB LUSTIS Case No: N/A	Local Case No: H02651-001	LOP Case No: N/A
URF Filing Date:	SWEEPS No: N/A	
Responsible Parties	Addresses	Phone Number
Fredna Gustavson	1100 Westwood Rd, Santa Cruz, CA 95060	
La Mesa RV Center, c/o Jim Buckner	7601 Alvarado Rd. La Mesa, CA 91941	(619) 462-5660

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III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Numerous holes were noted in the underground storage tanks at removal.

Site Characterization complete? Yes	Date Approved By Oversight Agency: June 13, 1996		
Monitoring Wells Installed? Yes	Number: 3	Proper Screened Interval? Yes	
Highest GW Depth Below Ground Surface: 4.18 feet	Lowest Depth: 8.71 feet	Flow Direction: West	
Most Sensitive Current Use: Municipal			
Are Drinking Water Wells Affected? No	Aquifer Name: Mission San Diego of Lower San Diego HA		
Is Surface Water Affected? No	Nearest SW name: Alvarado Creek		
Off-Site Beneficial Use Impacts (addresses/locations): None			
Report(s) on file? Yes	Where is Report(s) Filed? County of San Diego, Environmental Health		

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	Four	Tanks were cleaned and taken to Nelco, San Diego	2/22/88
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Free Product	None		
Soil	400 cubic yards	Southwest Disposal, Highway 95, Somerton, AZ 85350	5/20/92
Groundwater	purge water from groundwater monitoring events	San Diego Metropolitan Wastewater Department	
Barrels	None		

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- BEFORE AND AFTER CLEANUP

Contaminant	Soil(ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	980	174	<.5	<.5	Xylene	1.455	1.455	.0125	<.0005
TPH (Diesel)	271	271	<.5	<.5	Ethylbenzene	<1	.712	.002	<.0005
Benzene	<1	<.05	<.0005	<.0005	Oil & Grease	27,000	9,140	1.000	<.500
Toluene	<1	<.05	.0329	<.0005	Heavy Metals	Pb 26.7	Pb 26.7		
Other: EPA 8080	< detection				Other: EPA 8010	<detection			
Organic Pb	1.5	1.5	<5	<.6	MTBE			.0007	<0.0006

Comments (Depth of Remediation, etc.): Petroleum contaminated soil was excavated from the area of the tanks to 15 feet below grade surface.

There remains residual petroleum contaminated soil, approximately 1212 cubic yards, on site. Based on the Total Petroleum Hydrocarbon (TPH) analyses and the Total Recoverable Petroleum Hydrocarbons (TRPH) analyses performed, 99% is in the motor oil carbon range.

Based on the conclusions of the consultant, Environmental Business Solution, Inc., and the groundwater monitoring data which shows that the residual levels of petroleum contaminants in groundwater are below Drinking Water Maximum Contaminant Levels, it is concluded that the petroleum contamination levels remaining in groundwater and soil do not pose a threat to public health.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes

Site Management Requirements: None

Should corrective action be reviewed if land use changes? Yes

Monitoring Wells Decommissioned: None | Number Decommissioned: 0 | Number Retained: 3

List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility

List Enforcement Actions Rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Chuck Pryatel | Title: Division Manager, Site Assessment and Mitigation

Signature: | Date:

Hydrogeologist Concurrence: Kevin Heaton | Date: June 13, 1996

VI. RWQCB NOTIFICATION

Date Submitted to RB: | RB Response:

RWQCB Staff Name: Marisela Humphries | Title: Water Resources Control Engineer | Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

The geology at the site is Stadium conglomerate, silty gravel and clayey sand.

This document and the related CASE CLOSURE LETTER, shall be retained by the lead agency as part of the official site file.

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101
JAMES A. FORDE, Director

FOR HMMU USE
COMPLAINT # 70427
PC # _____
EST. _____

To: California Water Resources Control Board, San Diego Region
From: Hazardous Materials Management Unit (HMMU)
Re: Unauthorized Release of Hazardous Material from an Underground Storage Tank

Date: 11/21/86

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address: LA MESA RV CENTER (Street) LA MESA (City) 92041 (Zip Code)

Property Owner: LA MESA RV CENTER (Name)
7601 ALVARADO RD (Street) LA MESA (City) 92041 (Zip Code)
Telephone 462-5660

Tank Operator: LA MESA RV CENTER (Name) 462-5660 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s): TANKS

Amount Released: UNK (Gallons) UNK (Time Period)

Release Detected By:

- ✓ Routine Tank Testing
- ___ Test of Piping
- ___ Inventory Audit
- ___ Monitoring Device/Well
- ___ Evidence of Soil Contamination Detected During Tank Removal
- ___ Evidence of Leaky Tank Detected During Tank Removal
- ___ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). 3 550 GALLON WASTE OIL TANKS FAILED PRECISION TEST

Date Release Reported to or Detected by HMMU: 11/21/86
Contact With Other Agencies: _____
Additional Comments:

Please call the HMMU at 236-2222 if you have questions or comments regarding the above

HMMU Staff: MIKE VERNOTT

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101

HAZARDOUS MATERIALS
MANAGEMENT UNIT
236-2222

OFFICIAL NOTICE

PC # _____

EST # _____

UR # T0427

HYDROGRAPHIC UNIT 7.1

ESTABLISHMENT NAME LA MESA R.V. CENTER DATE 11/21/86

SITE ADDRESS 7601 ALVARADO RD CITY LA MESA ZIP 92041

OPERATOR LA MESA R.V. CENTER TITLE _____

TELEPHONE (619) 462-5660

PROPERTY OWNER LA MESA R.V. CENTER ATT: JOHN MICHAUD

ADDRESS 7601 ALVARADO RD CITY LA MESA ZIP 92041

TELEPHONE (619) 462-5260

You are hereby notified that it is our information that the underground hazardous substance storage facility located at (address) 7601 ALVARADO RD (city) LA MESA (zip) 92041 has experienced an Unauthorized Release (leak). This information was provided to this Department by WESTERN PUMP.

The conditions created by the Unauthorized Release must be reported and corrected in accordance with Chapter 6.7 of the California Health and Safety Code and Title 23, Chapter 3, Subchapter 16 of the California Administrative Code.

It is the responsibility of the tank owner or operator to determine the extent and impact of the Unauthorized Release and to complete any required clean-up.

Within five working days of receipt of this Official Notice, the tank owner/operator or his agent must submit a written Unauthorized Release Report to the Hazardous Materials Management that includes all of the following information that is known at the time of filing the report:

a. List of type, quantity, and concentration of hazardous substance released.

b. The extent of the soil or groundwater or surface water contamination due to the release based on the results of all investigations completed at the time the report is submitted.

c. Method of clean-up implemented to date and proposed clean-up actions.

d. Method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water.

Subsequent mitigation actions will be discussed upon review of the submitted report and consultation with other responsible agencies.

IMPORTANT NOTES:

1. Notify the local Fire Department immediately if a fire or explosion hazard is present.

2. Notify the Regional Water Quality Control Board (265-5114) with 24 hours regarding this Unauthorized Release.

3. Until the clean-up is complete, the owner or operator shall submit a status report to the Hazardous Materials Management Unit (HMMU) every 3 months or at a more frequent interval specified by the HMMU.

4. It is the responsibility of the tank owner/operator or his agent to maintain the site in a safe and secure manner.

5. Any contaminated soil/liquid removed from the site must be handled, transported and disposed of or recycled as a hazardous waste.

6. Copies of all manifests used to haul and dispose of contaminated soils, groundwater, or materials from the site must be submitted to the HMMU.

7. It shall be unlawful for a person to construct, install, modify, operate, maintain, remove or destroy an underground storage tank used for the storage of hazardous substances without first obtaining a permit as specified in Ordinance No. 7023, Chapter 10, Division 8, Title 6 of the San Diego County Code.

Date 11/21/86

Received By /

Hazardous Materials Specialist MIKE VERNOTT

Copy to be Sent to: RWQCB SCOTT HUGENBERGER

T0427

PRECISION TEST FAILURE

DATE ~~10/27/86~~ 11/21/86 our file

EST # _____

SITE STREET ADDRESS 7601 ALVARADO RD. CITY LAMESA ZIP 92041

CONTACT PERSON JOHN MICHAUD PHONE = ( ) 462-5660

MAILING STREET ADDRESS _____ CITY _____ ZIP _____

PROPERTY OWNER LAMESA RV CENTER MAILING ADDRESS _____

PRECISION TEST: FAILED X PASSED _____

TEST TYPE _____ RESULTS "A LOT" GPH >16PH

CONTRACTOR/TESTER WESTERN PUMP PRODUCT _____ CAPACITY _____

INITIAL TEST DATE 11/18/86 RETEST RESULTS _____

REMARKS (3) 550 GAL Waste Oil 3 TANKS Same

POSSIBLE REASON/LOCATION OF FAILURE:

____ PRODUCT LINE

X TANK Assoc. w/TANK.

____ VENT/VAPOR LINE

____ VAPOR POCKET

____ OTHER _____

WAS THE TANK ISOLATED FROM LINES DURING TESTING? YES ____ NO ____ UNKNOWN ____

IF YES, IS FAILURE ASSOCIATED WITH THE TANK? YES ____ NO ____ UNKNOWN ____

DOES THE REPORTING PERSON HAVE A COPY OF THE REGULATIONS? YES ____ NO ____ UNKNOWN ____

CONTACT [ ] RWQCB 265-5114

[ ] FIRE DISTRICT (PHONE #/CONTACT)

[ ] HMMU NOTICE

[ ] OTHER –

D.G.H.S. DIV. OF E.H.P. HAZ. 7/1 UNIT

HAZARDOUS MATERIALS SPECIALIST V. [signature]

DHS:HM-979 (5/86)

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P O BOX 85261
SAN DIEGO CA 92138-5261
(619) 236-2222

OFFICIAL NOTICE

March 21, 1988
Jim Buchanan
La Mesa RV Center
7601 Alvarado Road
La Mesa, CA 92041

RE: UNAUTHORIZED RELEASE #T 1H02651
7601 Alvarado Road La Mesa, CA

Dear Mr. Buchanan:

Information provided to this Department by inspector during Tank Removal indicates that the underground hazardous substance storage facility at the location referenced above has experienced an Unauthorized Release (leak).

The conditions created by the Unauthorized Release must be reported and corrected in accordance with Sections 25295 and 25297 of Chapter 6.7 of the California Health and Safety Code (H&SC) and Section 2652, Subchapter 16, Chapter 3, Title 23 of the California Administrative Code (CAC), and Chapter 6.5 of the H&SC and Title 22 of the CAC.

As the owner/operator of the underground storage tank, it is your responsibility to:

1. Take immediate action to prevent further unauthorized release;
2. Determine the extent and impact of the unauthorized release;
3. Submit a written Unauthorized Release Report to this Department within five workdays of receipt of this Notice;
4. Complete and distribute within five workdays the enclosed State Water Resources Control Board's "Underground Storage Tank Unauthorized Release(Leak)/Contamination Site Report";
5. Submit supplemental report as required to update the initial report; and,
6. Complete any site mitigation (cleanup) required.

The Unauthorized Release Report must address all six Elements listed on the reverse side of this Official Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Please note Item G concerning responsibility for payment for staff time expended on the investigation.

Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

Please call me at (619) 236-2222 if you have any questions regarding this Official Notice.

Sincerely,

Hazardous Materials Specialist

Enclosure

cc: RWQCB

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101

DIVISION OF ENVIRONMENTAL HEALTH PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

DATE: March 21, 1988

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Unit (HMMU)

SUBJECT: UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T# 1402651

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address: 7601 Alvarado Rd. (Street) | La Mesa (City) | 92041 (Zip Code)

Property Owner: La Mesa RV Center (Jim Bucknes) (Name)

Per Permit: 7601 Alvarado Rd. (Street) | La Mesa (City) | 92041 (Zip Code)

Telephone (619) 462-5660

Tank Operator: La Mesa RV Center (Name) | 462-5660 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s) Leaking Tank System

Amount Released unk (Gallons) unk (Time Period)

Release Detected By:

- ___ Routine Tank Testing
- ___ Test of Piping
- ___ Inventory Audit
- ___ Monitoring Device/Well
- ✓ Evidence of Soil Contamination Detected During Tank Removal
- ___ Evidence of Leaky Tank Detected During Tank Removal
- ___ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). 3-550 gallon steel - Waste oil and 1 2000 gallon steel gasoline Tank.

Date Release Reported to or Detected by HMMU 3/22/88

Contact With Other Agencies _____

Additional Comments:

GW @ 7'

All Tanks w/ holes

Please call the HMMU at 236-2222 if you have questions or comments regarding the above.

HMMU Staff Darryl Fowler

DHS:HM-9010 (12/86)

MV

H02651-001

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 236-2222

OFFICIAL NOTICE

January 21, 1988

John Michand
La Mesa R. V. Center
7601 Alvarado Road
La Mesa, CA 92041

RE: UNAUTHORIZED RELEASE #T0427/H02651
7601 ALAVARDO ROAD, LA MESA

Dear Mr. Michand:

Your written supplemental report to update the Unauthorized Release Report for the site referenced above is PAST DUE. You are required to submit this report every two weeks to update the progress of activities at that site, in accordance with the provisions of the California Administrative Code, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652. The report was due November 1, 1986.

Please submit your written supplemental report to update the Unauthorized Release Report to this Department within five work days of receipt of this Notice.

If you have any questions on this matter, please contact me at (619) 236-2222.

Sincerely,

Mike Vernetti

MIKE VERNETTI
Hazardous Materials Specialist

MV:bfb

MEETING/PHONE/PEER REVIEW

RECORD

HO 2651-001
DATE: 12/3/91
TIME: 8:42
PAGE 1 OF 1
SPEC: MO. Lahsaie

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 462-5660 x250
Name: Jim Buckner

[] Peer Review — Name: La Mesa RV

TOPIC: Further S/A Work requirements

SUMMARY: A check w/ Mr. Buckner whether Mr. D. Eminhizer from Halliburton-NUS Co (451-2131) has been hired by La Mesa RV. To work on S/A because HMMD time on this case is chargable time Mr. Buckner confirmed w/ me that D. Eminhizer is working on this job. Next I called Dave Eminhizer & discussed the site history w/ him

12-6-91 at 9 AM Called Mr. Eminhizer & left a Ph. Message.

12-26-91 At 11 AM called Mr. Eminhizer 451-2131 & Discussed continuation S/AM activities at this site!!

12-27-91 Left a message for Mr. Jim Buckner at 9 AM

1-3-92 at 9 AM I called Mr. Jim Buckner & discussed S/AM requirements for this site. He is collecting bids for SB 2004 He has collected 2 & need one more He wanted to have meeting w/ HMMD & RWQCB The meeting was arranged for 1-10-92 at 11 AM

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING

☒ TELEPHONE CONVERSATION

DATE 9-17-91 TIME 1:30 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. ( ) 558-6100

☒ PERSON CALLING/CALLED Robert Johnston

☒ AGENCY REPRESENTED GeoCon

CONVERSATION/MINUTES** Left a Message for Mr. Johnston

9-18-91 at 11:05 Anita Broughton from GeoCon Called. I left a Message that she is in charge of this project & [redacted] She has Proposed drilling of 3 MWs at this site However the client is still seeking for financial help from state clean up fund.

9-20-91 Chris Tomlin from Horizon Company 444-9116 Called and informed me that He is working w/ GeoCon to do S/A work However if GeoCon doesn't start Soon? RP will Contract the Job to some other Consultant ? Dave Eminhizer Used to work w/ GeoCon on this Project He is No longer w/ GeoCon.

11-5-91 at 10:18 AM Mr. Dave Eminhizer From Halliburton-NUS Co. called to inform HMMD about their SAIM work for this site & we exchanged certain information in regard to this site 451-2131

NAME Mo. Lahsaie SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING

☐ TELEPHONE CONVERSATION

DATE 7-24-91 TIME 10:12 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. (619) 488-1455 / 558-6100

☐ PERSON CALLING/CALLED Robert Johnston

☒ AGENCY REPRESENTED GeoCon

CONVERSATION/MINUTES** Left Message for Mr. Johnston

7-29-91 @ 8:30 Left a message for Mr. Johnston

7-30-91 @ 3PM called Annita Broughton (returned her Ph. call) She asked HMMD requirement & some basic questions regarding SA/M Activities.

8-16-91 Ph. Conv. w, Jim Buckner (RP): wants to know what is involved if G.H2O has been impacted & 9 Also gave him Phone # for UST Cleanup Fund & low interest rate loan

NAME: Mo. Lahsaie SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

** A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

*** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

MEETING/PHONE/PEER REVIEW

RECORD

H 02651-001	
DATE: 6/12/91	
TIME: 1:12 PM	
PAGE 1 OF 1	
SPEC: MD.L	

(Check One)

☐ Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

☒ Telephone Conversation — Phone: (___) 462-5660
Name: Jim Buckner

☐ Peer Review — Name: La Mesa R.V.

TOPIC: Returned Jim's phone call & left a message

SUMMARY: Jim Buckner called @ 1:42 to inform me that Chris Tomlin is handling this site thru Geocon and They will start drilling the Borehole on 1st half of July.

Tifill

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

May 23, 1991

Mr. J. Buckner
La Mesa RV Center
7601 Alvarado Road
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
7601 ALVARADO ROAD, LA MESA, CA 92041

A review of the Hazardous Materials Management Division's (HMMD) files indicates that the unauthorized release issue associated with an underground storage tank at this site has not been resolved. The last activity on this site appears to be greater than three (3) months ago.

The California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Section 2652 (d) states that until cleanup is complete, reports shall be submitted to the local agency and the Regional Water Quality Control Board (RWQCB) every three months or at a more frequent interval if specified.

Within thirty (30) days of receipt of this letter, submit a written update report to the HMMD and the RWQCB summarizing the site activities and the proposal for any further work. Submit the updates at the frequency previously specified by the HMMD, not to exceed the minimum of every three months (October 15th, January 15th, April 15th, July 15th). Updates must be submitted until which time the unauthorized release is resolved.

Please be reminded that the State Water Resources Control Board (SWRCB) will bill the responsible party for all local agency time expended on the unauthorized release investigation. Site assessments and remediation activities completed in a comprehensive and timely manner may minimize the amounts billed by the SWRCB.

Please contact Mo Lahsaie, Hazardous Materials Specialist, at (619) 338-2256, if you have questions regarding this matter.

Sincerely,

Darryl Fowler

DARRYL FOWLER, Hazardous Materials Specialist
Hazardous Materials Management Division

DF:cmc

cc: James Munch-RWQCB
Mo Lahsaie-HMMD

WP\T0427

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING

☒ TELEPHONE CONVERSATION

DATE 4-10-91 TIME 10:30 LOCATION _____

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. (619) 292-8030

☒ PERSON CALLING/CALLED Steve Kwik

☐ AGENCY REPRESENTED Leighton & Associates

CONVERSATION/MINUTES** Steve said that La Mesa R.V. still has not decided whether to keep Leighton as their consultant. and He will submit their proposal to R.V. Center by next week. I told Steve that HMMD Generally Agrees w/ his proposal (dated April 9, 1991) about the location of Borings. However HMMD doesn't Agree w/ the 3rd paragraph until we see a complete site Assessment for this site & reminded him to Apply for Boring/well Permits

5-6-91 I called Steve Kwik to Follow up on 4-10-91 Phone Conversation " & left a message @ 11:18

@ 12:19 Steve left a Message for me & @ 3:18 I tried to call him back: Steve mentioned that He has not received any response from client However. He will call them and will Notify me later

@ 4:12 Steve called to say that the client is still awaiting for 2nd bid and will decide shortly whether they choose Leighton or not.

NAME M.O. Lahsaie SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX.

☐ MINUTES OF MEETING

☐ TELEPHONE CONVERSATION

DATE 2-8-91 TIME 2:00-2:18 LOCATION HQ

ATTENDEES/AGENCIES REPRESENTED* _____

PHONE NO. (619) 462-5660

☐ PERSON CALLING/CALLED Jim Buckner

☐ AGENCY REPRESENTED La Mesa RV center

CONVERSATION/MINUTES** Told him that HMMD have Not received any investigative report from him & he Needs to do SA/M process. He has not have any Consultant up to this date. I told him that I will send him the S/A checklist & list of consultant.

3-6-91 Steve Quick From Layton & Associates called to gather some info regarding this site (292-8030) ← Steve's #

3-14-91 Chris Tomlin ~~444-9116 Horizon voice company~~ called to see if he can help Jim Buckner. I told him that Chris is a contractor and the SA/M work needs to be done by someone that has registered Geologist/Profession He agreed and said that he will call Buckner and discuss it w/ him.

NAME M.O. Lahsaie SIGNED _____

AGENCY - COUNTY OF SAN DIEGO DEPARTMENT OF HEALTH SERVICES; ENVIRONMENTAL HEALTH SERVICES; HAZARDOUS MATERIALS MANAGEMENT DIVISION

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

DHS:HM-9047 (1/90)

MEETING SIGN-IN SHEET

DATE: 1-10-92 SUBJECT: LA Mesa RV H02651-001

NAME	AGENCY REPRESENTING	PHONE NUMBER
Mo. Lahsaie	HMMD	338-2256
Jim Buckner	LA MESA RV	462-5660
Dave Eminhizer	HALLIBURTON NUS	451-2131
Darryl J Fowler	HMMD	338-2371
Jim Munch	CRWQCB-SDR	

LA MESA RV CENTER
World's Largest RV Dealer.

JIM BUCKNER
Director of
Fixed Operations

Bus: (619) 462-5660
7601 Alvarado Road at
Hwy. I-8 & Fletcher Parkway
P.O. Box 1670
La Mesa, CA 92044-0325

HALLIBURTON NUS
Environmental Corporation

DAVID A. EMINHIZER
SITE MANAGER
WESTERN REGION

16885 WEST BERNARDO DRIVE
SUITE 100
SAN DIEGO, CALIFORNIA 92127
(619) 451-2131
(619) 451-1770 FAX

Environmental
Technologies Group

DHS:HM-9048 (1/90)

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

August 5, 1992

OFFICIAL NOTICE

James Buckner 462-5660
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER
7601 ALVARADO RD., LA MESA, CA 92041

A review of the Hazardous Materials Management Division's (HMMD) files indicates that there has been no site assessment report submitted since the tanks were removed February 22, 1988. As the responsible party, you are required to take corrective action in response to an unauthorized release in accordance with the California Health and Safety Code, Chapter 6.75, Article 4, Section 25299.37 (a-c).

The HMMD letter to you dated January 16, 1992 states that the work plan you submitted was approved. The HMMD has not received any update reports that document completed or projected site assessment and mitigation activities. Your update report is **PAST DUE.**

In the HMMD letter to you dated May 23, 1991 you were instructed to submit update reports at a minimum of every 90 days. Until such time as the HMMD considers this case resolved, the HMMD will require that you submit an update report every 30 days in accordance with the provisions of the California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652 (d).

Additionally, you can not use the information from the old stockpiled soil data to characterize conditions on site. The disposal of the old stockpiled soil does not constitute significant progress towards defining the extent of contamination on-site. You

are required to perform a complete site assessment and any required remediation in order to protect the public health and the environment.

Please submit your written update report describing current and anticipated site activities. The report must contain conclusions and recommendations based on current site conditions. If further site assessment or remediation activities are necessary, you must submit a work plan outlining those activities. The update report is due within ten working days of receipt of this notice.

If you have any questions on this matter, please contact me at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:cl

cc: James Munch, RWQCB

WP\LAMESA.RV1

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

July 24, 1992

NOTICE OF REIMBURSEMENT RESPONSIBILITY

Fredna Gustavson
c/o: La Mesa RV Center
7601 Alvarado Rd.
La Mesa, Ca 91941

Dear Ms Gustavson:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 91941

This letter is to notify you of the billing procedure for the unauthorized release (leak) investigation at the above referenced underground storage tank site. The County of San Diego is under contract with the State Water Resources Control Board (SWRCB) to oversee the investigation and remediation (clean-up) of unauthorized releases. All costs incurred on this case by the Hazardous Materials Management Division (HMMD) are being invoiced to the SWRCB who will bill you.

A previous reimbursement notification may have been sent regarding this site. If this case is resolved, please retain this letter with your records. Active cases should be resolved in a prompt and effective manner to help minimize the amount billed by the SWRCB.

The HMMD has identified the following party(ies) as being responsible for the implementation of the environmental investigation and cleanup of this Unauthorized Release:

Fredna Gustavson 1100 Westwood Rd. Santa Cruz, CA 95060	La Mesa RV Ctr 7601 Alvarado Rd. La Mesa, CA 91941	Fredna Gustavson c/o: La Mesa RV Ctr. 7601 Alvardo Rd La Mesa, CA 91941

The California Health and Safety Code (HS&C) Chapters 6.7 and 6.75 requires the tank owner, tank operator, property owner or other responsible parties to take corrective action in response to an Unauthorized Release. The California Code of Regulations (CCR), Title 23, Division 3, Chapter 16, Underground Storage Tank Regulations provides the release reporting and initial abatement requirements.

With regard to the contract, the SWRCB requires the HMMD notify you of the following:

> *"Whereas the federal Petroleum Leaking Underground Storage Tank Trust Fund provides funding to pay the local agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the*

cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the federal Trust Fund; and Whereas the above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the Health and Safety Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board the following:

FOR all direct and indirect costs incurred by any and all state and local agencies while overseeing the cleanup of the above referenced underground storage tank site (prior to January 1, 1991); FOR not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site (beginning January 1, 1991); and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board."

The Underground Storage Tank (UST) Cleanup Fund provides funding to eligible responsible parties for corrective action and third party liability costs resulting from the unauthorized release of petroleum hydrocarbons. For more information on the UST Cleanup Fund, please contact the SWRCB at (916) 739-2475.

If you have any questions concerning this Notice, please contact the undersigned at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Hazardous Materials Management Division

LS:hd

cc: Sandra L. Malos, State Water Resources Control Board
James Munch, San Diego Regional Water Quality Control Board

CURRENT CASE STATUS: ☐ RESOLVED ON ☑ ACTIVE

MONTH/ YEAR

WP\T0427

MEETING/PHONE/PEER REVIEW

RECORD

H02651-001	
DATE: 4/1/92	
TIME: 8:42	AM TO 10:00 AM
PAGE 1 OF 1	
SPEC: Mo.L	

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 451-2131
Name: Dave Eminhizer

[] Peer Review — Name: La Mesa RV

TOPIC: Stockpile Analysis update

SUMMARY: There are four St. Piles that generated

① old pile = 20 y^3 4 yrs old covered & is on asphalt Pave cons from gas tank Excavation 3 samples All N.D.

② Overburden soil & soil between Two Excavation 70 y^3 4 samples 418.1 156, 82, 73, 312 This pile was from upgradient from gas tank

③ 90 y^3 From gas tank Excav. From old Excav. which went back to the original place were clean Fill 4 samples ND, ND, ND, 153.2

a. → ½ pile 6' Ht ½ is 3' Ht BTXE → B=1190 ppb E=1390 T=410
Sample from Excav had 980 ppm TPH B=ND, T=ND

④ From W. oil Excava 160–200 y^3 8 Samples collected Ht=7' (418.1) 2360, 4580, 2150, 2570, 4580, 1840, 2470, 156 8010, 8080, Metals can't go to class III,

one sample from oil Excavation 16000 PPM Metals
Methylene 492, TCE=256 PPB, 4DCB = 71

T83

MEETING/PHONE/PEER REVIEW

RECORD

HO 2651-001	
DATE: 3/16/92	
TIME: 3 : 42	PM
PAGE 1 OF 1	
SPEC: Mo. Labs	

(Check One)

[ ] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (619) 451-2131
Name: Dave Eminhizer

[ ] Peer Review — Name: Halliburton Nus

TOPIC: La Mesa RV SIA Update

SUMMARY: Dave called & update me on his SIA activities. He apparently has excavated the cont. soil in both Gasoline and W. end area & has removed 250 y^3 soil & even soil below H_2O table the G-H_2O looks impacted. Three St. Piles were generated Gasoline Pile, overburden & waste oil. He is planning to characterize all 3 piles before Disposal can be approved by HMMD. Two Excavation were connected & cross Contamination could have happen between both. we talked about remediation options & soil Lab analysis - He said one side wall Sample right above G-H_2O table had TPH = 980 PPM [redacted]. He said that his client wants to get rid of the stockpile as soon as possible.

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

January 16, 1992

Mr. James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
7601 ALVARADO RD., LA MESA, CA 92041

The proposed workplan for additional site assessment and remediation submitted by Halliburten Nus dated December 11, 1991 regarding the referenced site has been reviewed.

Based on the information within the workplan, this Department and the Regional Water Quality Control Board (RWQCB) finds the proposed scope of work acceptable.

Further site characterization and mitigation actions will be determined following evaluation of the written report and consultation with the RWQCB and other appropriate regulatory agencies.

If you have further questions, please call me at (619) 338-2256.

Sincerely,

M.A. Lahsaizadeh

MO LAHSAIE, Hazardous Materials Specialist
Hazardous Materials Management Division

ML:eas

cc: James Munch-RWQCB
David Eminhizer-Halliburton Nus

WP/T0427

MEETING/PHONE/PEER REVIEW

RECORD

H 02651 - 001
DATE: 1 / 15 / 92
TIME: 11 : 00
PAGE 1 OF 1
SPEC: MD. L

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 451-2131
Name: David Eminhizer

[] Peer Review — Name: Halliburton NUS

TOPIC: Work plan dated 12/11/91

SUMMARY: left a message for Dave Eminhizer. Dave called at 1:30 PM & I told him that the indicated items on Page 5 of his work plan must be included in the S/A work which is EPA 8080 & Metals For waste oil analysis and organic lead for gasoline contaminated soil must be added to their analysis

L.S.

ROBERT K. ROSS, M.D.
DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
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Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

December 9, 1993

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

The staff of the Site Assessment and Mitigation Division (SAM) have reviewed this case. This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the workplan dated November 24, 1993.

The workplan prepared by Dan Johnson/Environmental Business Solutions (EBS) covers one of the following phases of corrective action:

Interim Remedial Action	( )
Preliminary Site Assessment	(X)
Soil and Water Investigation	( )
Corrective Action Plan Implementation	( )
Verification Monitoring	( )

The workplan proposing to continue the soil and ground water investigation has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(X) approved with the following changes or conditions:

- The soil sample with the highest result for total petroleum hydrocarbons (TPH) must also be analyzed for volatiles by method 8020, and organic lead.

  The final report must include cross-sections of the soil contamination that depict the delineation achieved.

- The location proposed for MW-3 may not allow for accurate calculation of the ground water flow direction, based on the locations of wells MW-1 and 2 and the suspected local gradient to the north/northwest. It is recommended that well MW-3 be relocated to the east of sample points OES-15 and OES-6, approximately ten feet east of the edge of the previous excavation. This will also allow for lateral delineation of soil contamination in this area.

  However, there is still a requirement for lateral delineation of soil contamination in the vicinity of the previous location proposed for MW-3, i.e., to the south of OES-9 and OES-12. It is recommended that a soil boring, rather than a well, be placed at this location, in order to define the horizontal limits of soil contamination in this direction.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Chapter 6.75, Article 6).

Please submit a report describing the results of the activities described in the workplan to SAM and the Regional Water Quality Control Board (RWQCB) by January 30, 1994.

Please call me at (619) 338-2396, if you have any questions.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

LS:gl

cc: Vincente Rodríguez, RWQCB
Dan Johnson, EBS
Stephen Marsh, Luce, Forward, Hamilton, & Scripps

sam
ehs

November 29, 1993

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

LAMESA. RV 2

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427 / H02651-001
LA MESA RV CENTER
7601 ALVARADO RD., LA MESA, CA 92041

The staff of Site Assessment and Mitigation (SA/M) have reviewed this case. This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the workplan dated November 24, 1993.

The workplan prepared by Dan Johnson/Environmental Business Solutions (EBS) covers one of the following phases of corrective action:

Interim Remedial Action	( )
Preliminary Site Assessment	(X)
Soil and Water Investigation	( )
Corrective Action Plan Implementation	( )
Verification Monitoring	( )

The workplan proposing to continue the soil and ground water investigation has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(X) approved with the following changes or conditions:

The soil sample with the highest result for total petroleum hydrocarbons (TPH) must also be analyzed for volatiles by method 8020, and organic lead.

The final report must include cross-sections of the soil contamination that depict the delineation achieved.

p1642XScripps

ROBERT K. ROSS, M.D.
DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
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SITE ASSESSMENT AND MITIGATION DIVISION
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SAN DIEGO, CA 92186-5261
(619) 338-2222

October 26, 1993

OFFICIAL NOTICE

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER
7601 ALVARADO RD., LA MESA, CA 92041

Your written update report for the site referenced above is **PAST DUE**. You are required to submit this report in accordance with the provisions of the California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652 (d). The report should contain a brief summary of completed and projected site assessment and mitigation activities. You are required to submit an update report every 30 days.

As a reminder, in order to qualify for SB 2004 funds you must be in compliance with all underground tank laws. Your lack of compliance can affect your eligibility to receive SB 2004 funds.

As a responsible party, you are required to complete the investigation to define the horizontal and vertical extent of contamination at this site. You are required to complete this additional investigation as part of corrective actions in accordance with the provisions of the California Health and Safety Code, Chapter 6.75, Article 4, section 25299.37 (a-c).

The Site Assessment and Mitigation Division (SAM) requires that a work plan be submitted for approval of all additional activities at the site. You were previously requested to submit a workplan in the letter to you dated June 2, 1993; the workplan was due July 5, 1993.

Please submit your written update report and a workplan for the next phase of work on this site no later than November 29, 1993. Failure to do so may result in the initiation of enforcement action.

If you have any questions on this matter, please contact me at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

LS:cl

cc: Joe McWalters, RWQCB
Diana Romero, SWRCB

J. WILLIAM COX, M.D., Ph.D
DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

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SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

June 2, 1993

OFFICIAL NOTICE

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001/LA MESA RV CENTER
7601 ALVARADO ROAD, LA MESA, CA 92041

Site Assessment and Mitigation (SA/M) staff have reviewed the Halliburton NUS report, dated August 28, 1992. Based on the information contained in the report, the extent of contamination of soil and groundwater has not been adequately defined. SA/M and the Regional Water Quality Control Board (RWQCB) require additional delineation of the soil and groundwater contamination. Please submit a proposed work plan for further site assessment activities. The work plan should specifically address the following:

- Investigate soil contamination in all areas, horizontally and vertically. Future sampling must follow SA/M guidelines for supplementary tests on waste oil-impacted samples. All additional samples must be analyzed for both Total Petroleum Hydrocarbons (TPH) and Total Recoverable Petroleum Hydrocarbons (TRPH).

- Provide a chain-of-custody for all of the samples designated "LMRV-OES", as well as copies of summary tables II and III, which were missing from the report. Please account for the discrepancy in total yards of soil stockpiled, versus the estimated number of yards of soil disposed of off-site, for which receipts have been provided.

- Describe the extent of ground water impact. Please refer to the SA/M manual for guidance on groundwater monitoring well

siting, design, installation, and sampling. You must provide a geologic explanation for the contaminant distribution in light of site geology, groundwater gradient, and contaminant source.

Please submit a work plan addressing the above points by July 5, 1993.

If you have any questions on this matter, please contact me at (619) 338-2396.

Sincerely,

L. Skinner

LARS SKINNER,Hazardous Materials Specialist
Site Assessment and Mitigation Division

cc: Joe McWalters, RWQCB

1993

Lars Skinner's file review notes

6/3 H02651-001 FILE REVIEW.

- 5-DAY RPT. RECVD., RWQCB NOTICE SENT.
- BENEF.-USE.
- NUMEROUS HOLES
- GW @ ~7' BG.

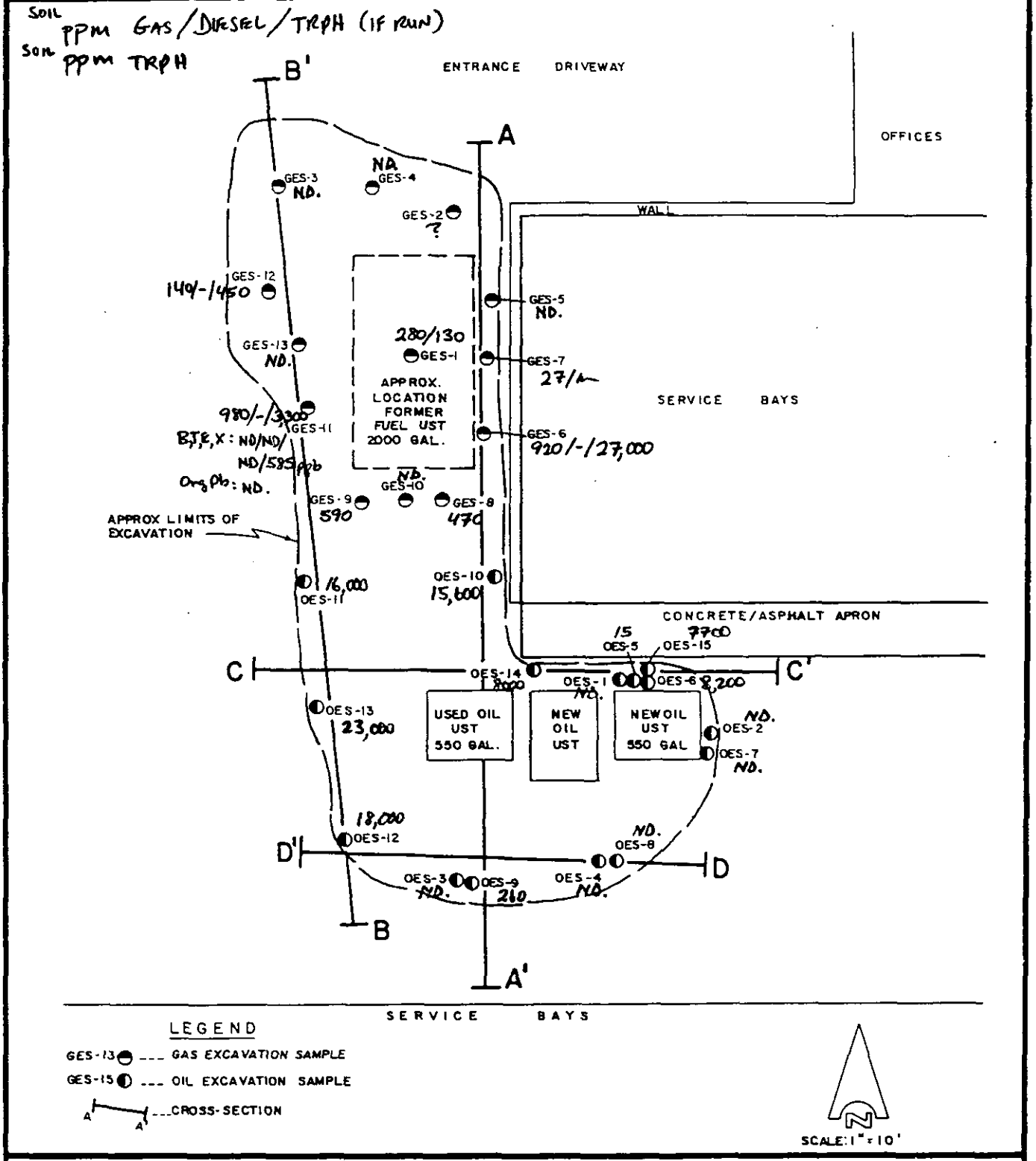
* SEE SITE MAP & PULL (DTD. 2/22/88) 1 2K GAS 3 550g. W.O.

- ALM SERVICES DID SAMPLING... POOR SAMPLING TECH., SAMPLE PRESERVATION. NO QA/QC.

- HMMD LTR 1-21-88 SENT: PAST DUE NOTICE.
- 6-3-88 ALM SERVICES LTR. TO HMMD.
  - EXCAVATED 20yds. ——→ DISPOSAL? - STOCKPILED.
  - "3 SAMPLES PER PLOT PLAN"? → SE-12 930, NW-12-6 340, EW-8-6 250] PP-TRPH
  - BACKFILLED W/ CLEAN FILL - RECEIPT?
- 2-8-91 Ph.Con: MO w/ JIM BUCKNER 462-5660 → DO SA-1
- 4-9-91 LEIGHTON & ASSOC. PROPOSAL → CALL & DISCUSS W/ CONSULTANT.
- 8-23-91 HMMD PAST DUE LTR.
- 8-28-91 MO. - SITE VISIT - TANKS BACKFILLED, COVERED W/ CONCRETE.
- 1-10-92 MEETING w/ RP., CON. (HALLIBURTON: DAVE EMINHIZER) 451-2131
- 12-11-91 HALLIBURTON PROPOSAL - IN GENERAL, LOOKS OK. (w/ MO'S Δ'S) EXCEPT - MUST ADDRESS GW.
- 3-6-92 Ph.Con. w/ D.Emmo.
  - 3 STOCKPILES GAS, W.O., OVERBURDEN?
  - POSSIBLE CROSS-CONTAMINATION BETWEEN 2 EXC.'S?
  - GW. LOOKS IMPACTED.
- 4-1-92 Ph.Con. w/ D.Emmo.
  - 4 STOCKPILES (NOT 3).
    1. OLD PILE (w/ 4yds OLD) - 20 yds. (ALL ND)
    2. OVERBURDEN, ETC. - 70 yds. (156, 82, 73, 312)
    3. GAS TANK EXC. - 90 yds. (153.2, 3 ND)
    4. W. OIL EXC. - 200 yds. (8 SAMPLES, ALL TOO HIGH).

+ APRIL '92 STOCKPILES RPT.
- DATA CHECKED ⇒ CALL CON. ⇒ JM - SIGN-OFF?

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 3



SITE EXCAVATION PLAN

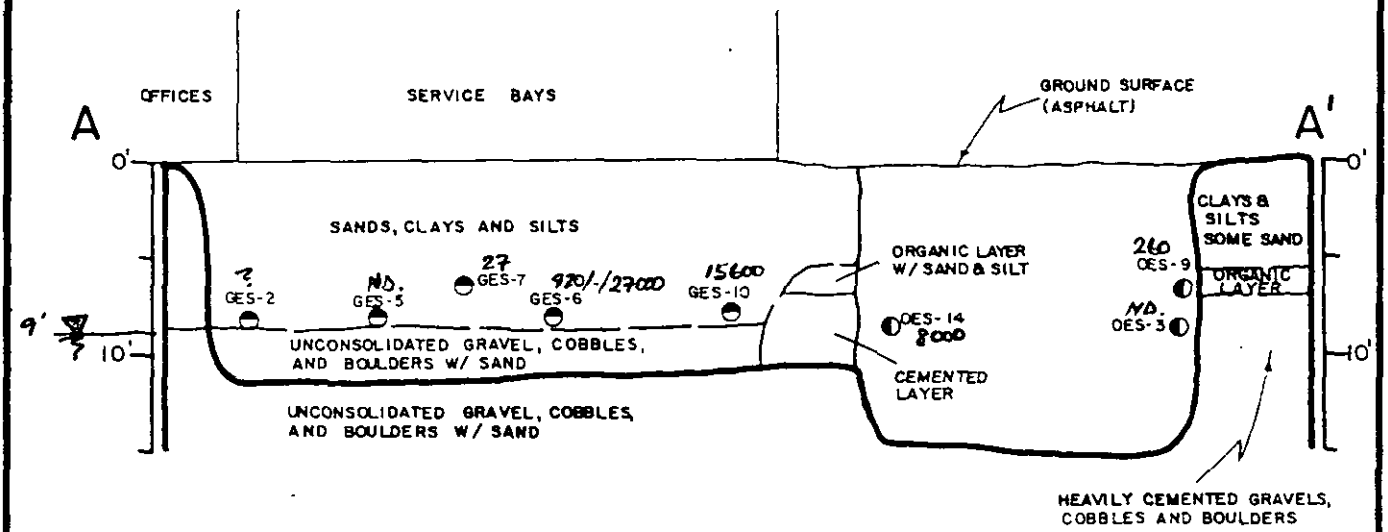
LA MESA RV CENTER

LA MESA, CALIF

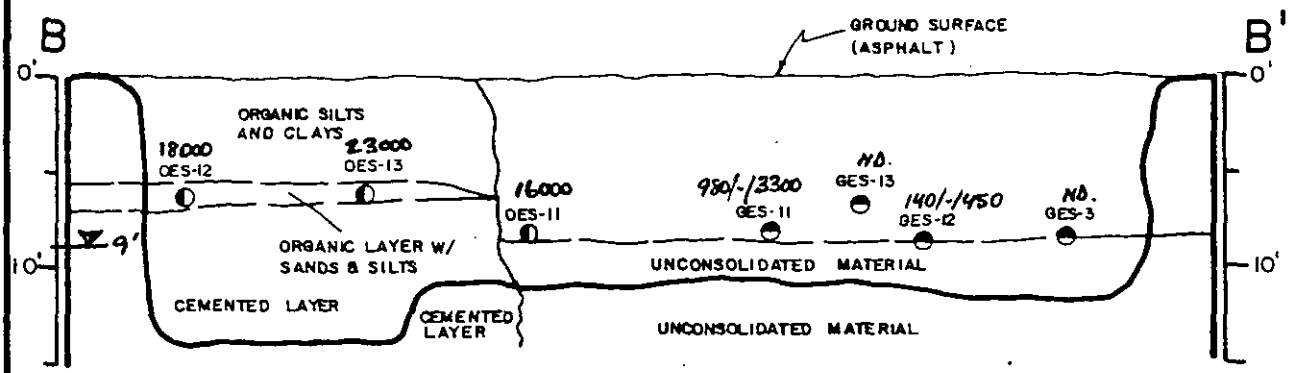
HALLIBURTON NUS

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 4

ppm TPH G/D / TRPH
ppm TRPH



CROSS-SECTION A-A'
(VIEW LOOKING EAST)



CROSS-SECTION B-B'
(VIEW LOOKING WEST)

FOR LEGEND SEE FIGURE 3

SCALE: 1" = 10' (HORIZ. = VERT.)

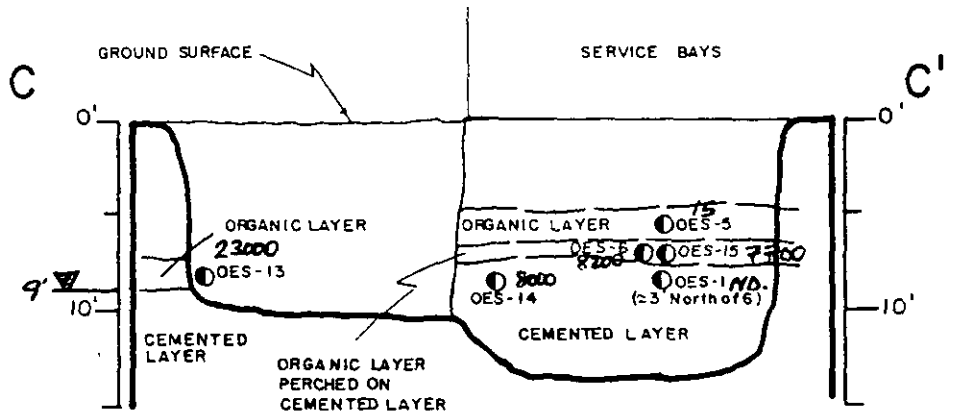
LA MESA RV CENTER

LA MESA, CALIF.

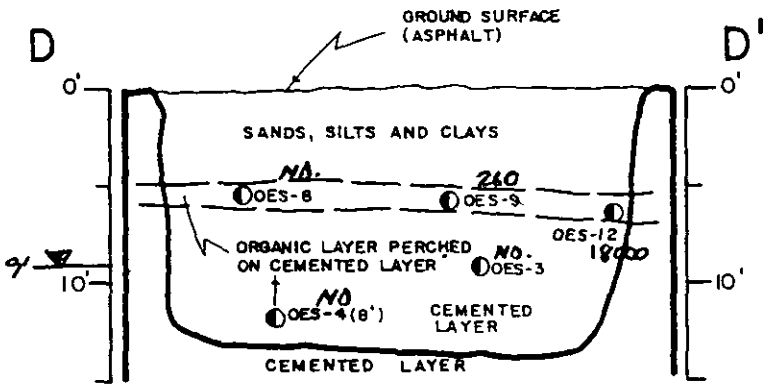
HALLIBURTON NUS

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 5

ppm TRPH



CROSS-SECTION C-C'
(VIEW LOOKING NORTH)



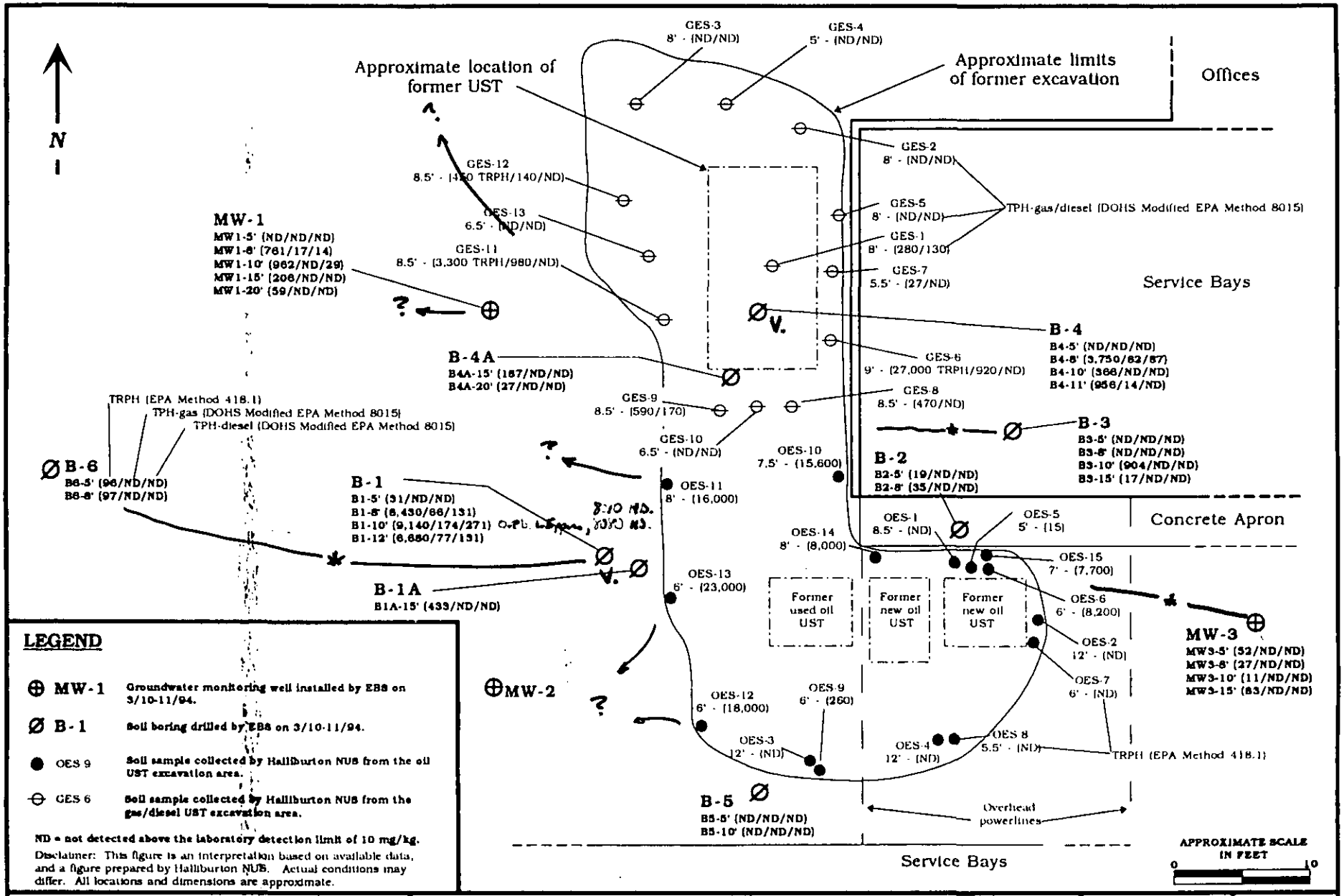
CROSS-SECTION D-D'
(VIEW LOOKING SOUTH)

FOR LEGEND SEE FIGURE 3

SCALE: 1" = 10' (HORIZ = VERT.)

LA MESA RV CENTER

LA MESA, CALIF.



LEGEND

- ⊕ MW-1 — Groundwater monitoring well installed by EBS on 3/10-11/94.
- Ø B-1 — Soil boring drilled by EBS on 3/10-11/94.
- ● OES 9 — Soil sample collected by Halliburton NUS from the oil UST excavation area.
- ⊖ GES 6 — Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.

ND = not detected above the laboratory detection limit of 10 mg/kg.

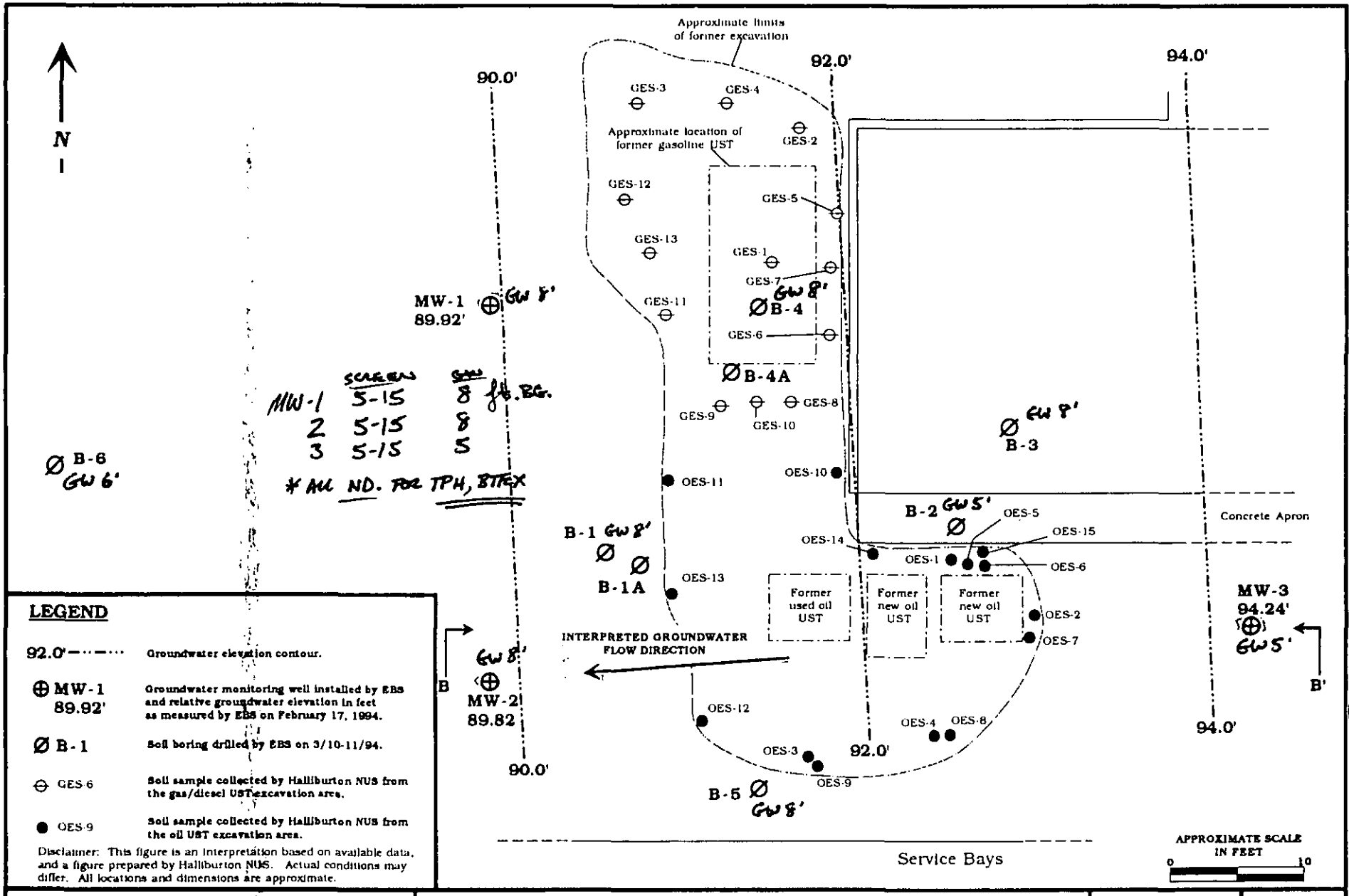
Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

? ADDNL. DELIN.

-*- NEED EST. OF $\bar{X}$, MAX., Vol. IN-PLACE

V. ADDNL. DELIN. VERTICAL

Environmental Business Solutions, Inc.	Soil Sample Test Results La Mesa R.V. Center 7601 Alvarado Road La Mesa, California	Project No. 93E1163.1	Figure 5



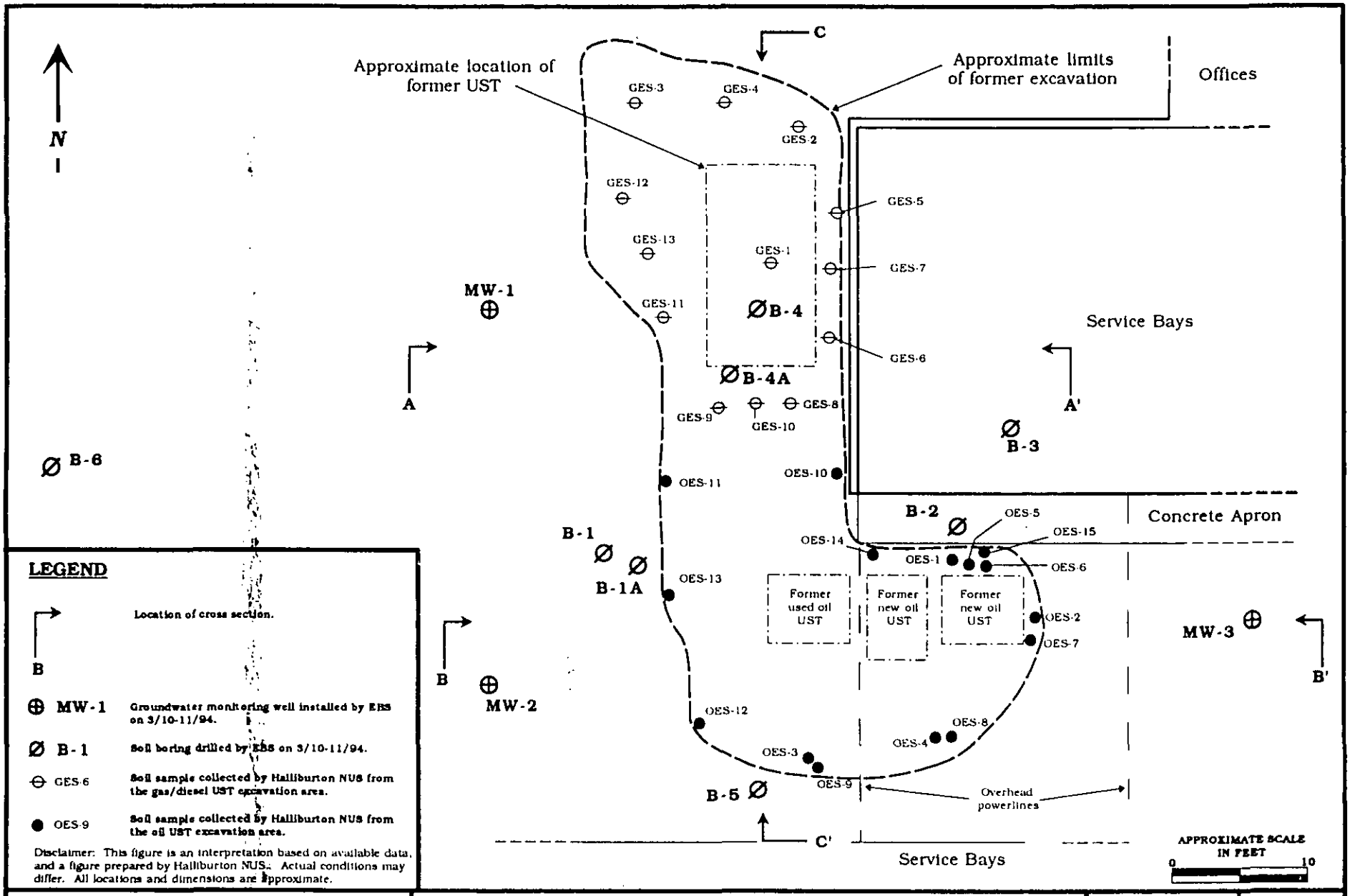
MW-1 SCREEN 5-15 SAND 8 ft. BG.
2 5-15 8
3 5-15 5
* ALL ND. FOR TPH, BTEX

LEGEND

92.0'	Groundwater elevation contour.
⊕ MW-1 89.92'	Groundwater monitoring well installed by EBS and relative groundwater elevation in feet as measured by EBS on February 17, 1994.
Ø B-1	Soil boring drilled by EBS on 3/10-11/94.
⊖ GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
● OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Groundwater Gradient Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 3



LEGEND

- Location of cross section.
- MW-1 — Groundwater monitoring well installed by EBS on 3/10-11/94.
- B-1 — Soil boring drilled by EBS on 3/10-11/94.
- GES-6 — Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
- OES-9 — Soil sample collected by Halliburton NUS from the oil UST excavation area.

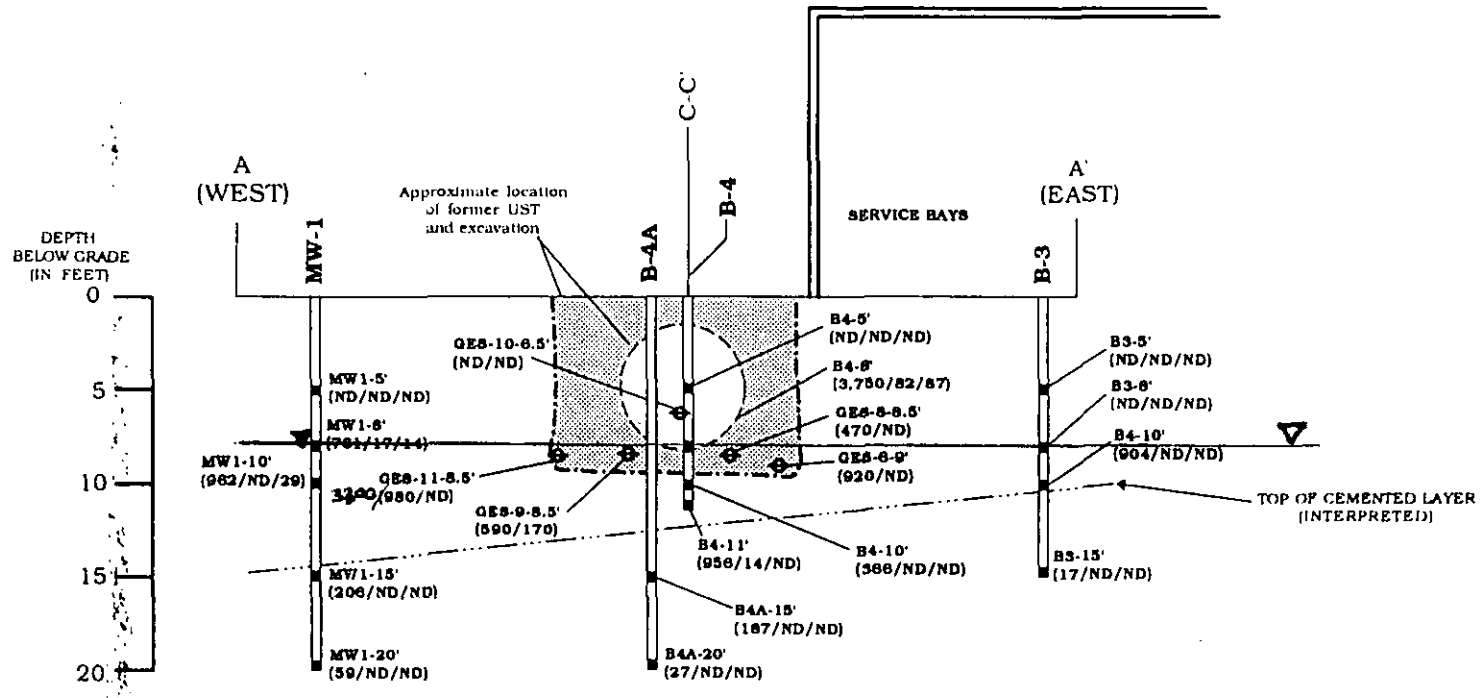
Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.

Site Plan with Cross Section Locations

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.	Figure
93E1163.1	6



LEGEND

MW1-8' (761/17/14) — Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

GES-6-9' (920/ND) — Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

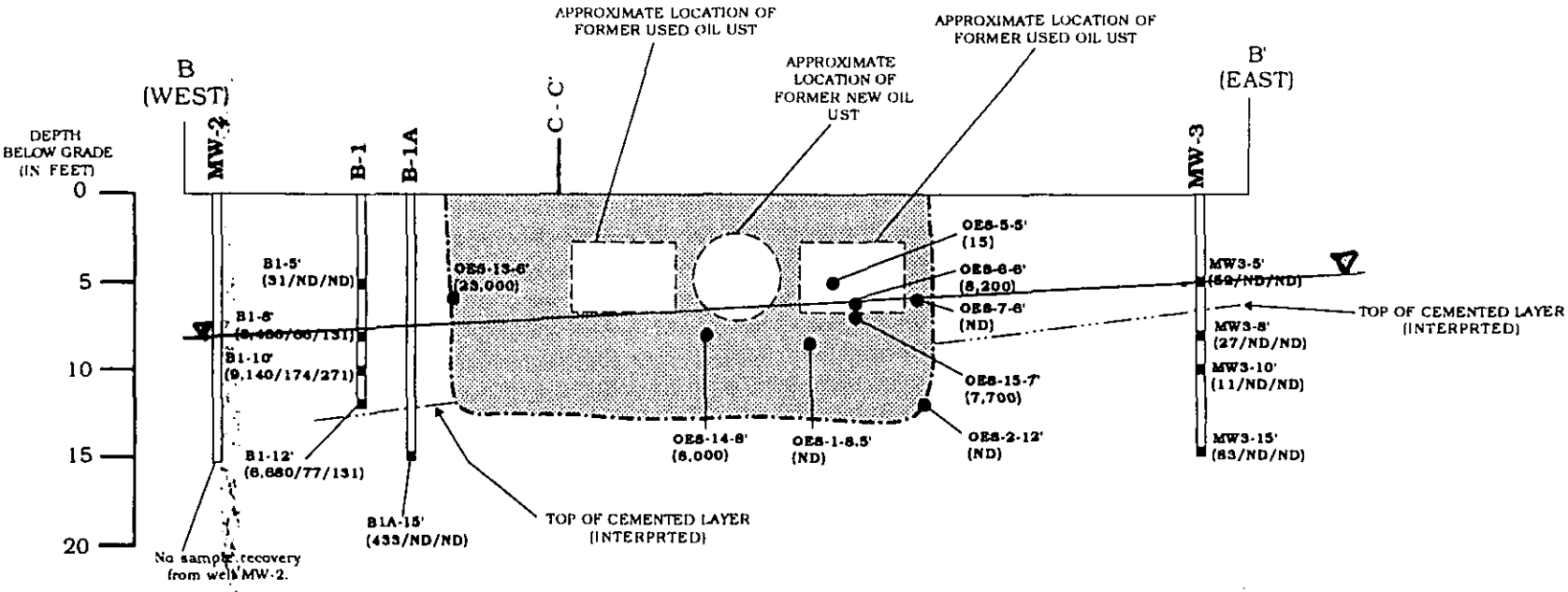
Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Cross Section A - A'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 7



LEGEND

MW1-8' (761/17/14) — Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

OES-6 (920/ND) — Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

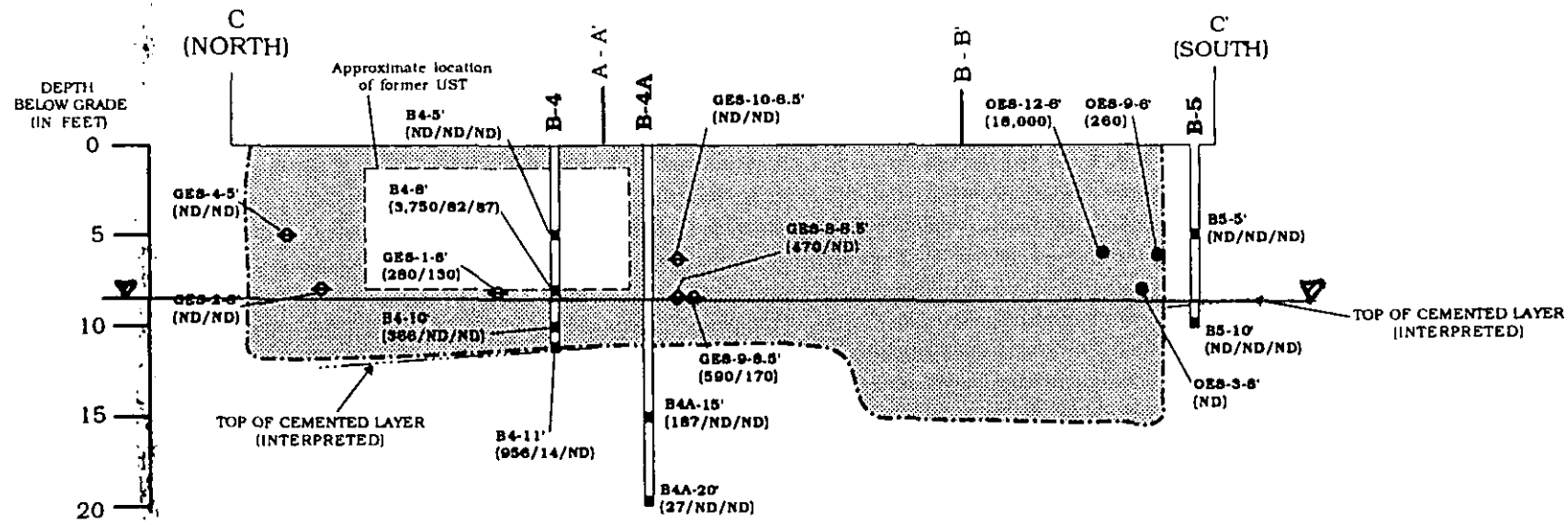
Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Cross Section B - B'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 8



LEGEND

MW1-5'
(761/17/14)
Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

GES-6
(920/ND)
Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

GES-9
6' - (260)
Soil sample collected by Halliburton NUS during UST removal from the oil UST excavation area. Indicates sample number, depth in feet below grade and TRPH concentration in ppm. ND = not detected above laboratory detection limits.

Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Cross Section C - C'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 9

County of San Diego

GARY R. STEPHANY
DIRECTOR

DANIEL J. AVERA
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

June 19, 1995

Mr. James Buckner
La Mesa RV Center, Inc.
c/o Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 W. Broadway, Suite #2600
San Diego, CA 92101

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the Quarterly Groundwater Monitoring Report for the First Quarter 1995 and Workplan Describing Additional Site Assessment Activities (Workplan) dated May 1, 1995.

The Workplan prepared by Environmental Business Solutions, Inc. proposes to drill four soil borings to provide additional information on the horizontal and vertical spread of petroleum hydrocarbon contamination.

The Workplan has been approved with the following changes or conditions:

The Workplan proposes to use a pre-existing boring (B4A) to provide confirmation of the vertical extent of contamination at B4. This is acceptable if the registered professional can demonstrate that the soil samples collected at B4A are representative, ie; soil classification at both locations is the same and soil sample collection protocol was appropriate for collecting the soil samples at B4A.

Please include EPA 8240 or EPA 8010 to the analyses required for the next groundwater monitoring. The 1995 SAM manual requires that the groundwater monitoring wells be screened, at least once, for the presence of volatile organic compounds.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Division 20, Chapter 6.75, Article 6).

The need for further site characterization and mitigation actions will be determined following evaluation of the written report and consultation with the San Diego Regional Water Quality Control Board (RWQCB) .

If you have any questions, please call me at (619) 338-2257.

Sincerely,

Carol Spangenberg

CAROL SPANGENBERG, Hazardous Materials Specialist
Site Assessment and Mitigation Division

CS:lf

cc: John Odermatt, RWQCB
Steve W. Blanchard, Environmental Business Solutions, Inc.

WP\H02651D

MEETING SIGN-IN SHEET

DATE: June 6, 1995 SUBJECT: La Mesa RV H02651

NAME	AGENCY REPRESENTING	PHONE NUMBER
MIKE HABIB		670-9508 or 460-6600
Kenneth Feasell		660 6079 "
Carol Spangenberg		338-2257
Tom Stahl		460-1311
Discussed site in general, ground water data and its significance including the recent groundwater monitoring event, referred to Feb. 1995 letter and the workplan I have reviewed and I necessity to send in a comprehensive report I also stressed that a lot would depend on what the groundwater showed.		

DHS:HM-9048 (1/90)

Return to: Industrial Waste Program
9192 Topaz Way
San Diego, CA 92123-1119
Phone (619) 654-4100
Fax (619) 654-4110

CITY OF SAN DIEGO
METROPOLITAN WASTEWATER DEPARTMENT
Industrial Waste Pretreatment Program

Groundwater Batch Discharge Authorization Request

Mailing Information

Attention: Stephen Blanchard
Company: Environmental Business Solutions
Street: 8799 Balboa Ave; Suite 290
City: San Diego State: CA Zip: 92123

APPROVED BY
THE INDUSTRIAL WASTE PROGRAM
DATE 4/24/95

Facility Information

Facility Contact: Stephen Blanchard Title: Staff Geologist
Phone: 571-5500 Fax: 571-5357
Facility Name: La Mesa RV Center
Facility Address: 7601 Alvarado Rd., La Mesa, CA 92041
Billing Address (if different): —

Wastewater Information

Describe process generating wastewater: Purged groundwater from three groundwater monitoring wells
List known and suspected contaminants: petroleum hydrocarbons (used oil, gasoline)
Describe any wastewater pretreatment methods used: N/A
Volume of wastewater to be discharged: ~50 gallons Flow: N/A
Description of discharge point, include address and map as needed: sewer hookup used for recreational vehicle sewage holding tank clean out; La Mesa RV.
Proposed Date(s) of Discharge: 5/1/95 Time: 9 am

Lab Analysis

*Attach a copy of lab analysis. For hydrocarbon only contaminated sites, analysis must include: Oil & Grease (or TPH), Total Lead, Benzene, and Flash Point. For sites with contamination other than hydrocarbons, please contact the Industrial Waste Program for guidance prior to having the analysis performed. **Samples used for analysis must be representative of the wastewater to be discharged.***

Approval does not relieve the discharger of obligations regarding compliance with any and all applicable local, State, and Federal pretreatment standards or hazardous waste disposal requirements including any such standards or requirements that may become effective after the issuance of approval.

Signature [signature] Date 4/20/95
Print Name Stephen Blanchard

County of San Diego

GARY R. STEPHANY
DIRECTOR

DANIEL J. AVERA
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

February 7, 1995

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

Staff of the Site Assessment and Mitigation Division (SAM) have reviewed the Environmental Business Solutions (EBS) report dated March 30, 1994. The report describes the second phase of soil and ground water investigation at this site.

Based on the information contained in the report, additional work should address the following points:

- Additional soil delineation is required in the following areas: west/northwest of GES-11 and MW-1, west of OES-11, southwest of OES-12 and 13, and vertically below B-4 and B-1. If soil data from MW-3, B-3 and B-6 are intended to provide lateral delineation of contamination, additional information must be provided as to the estimated mean and maximum concentrations and volumes of contaminated soil still in-place. This information must also be provided for all areas of the site as a whole. As part of this, please provide in the next report a contour map of soil contamination. In addition, to better clarify the differential distribution of waste oil versus gasoline, include a plot plan of sample results using a ratio of TPH to TRPH data.

- The apparent distribution of waste oil contamination at the site (versus gasoline contamination) is much broader than usual for such a contaminant, particularly in view of where the tanks were located. Please provide an explanation of contaminant distribution and migration based on site lithology and hydrogeology.

- The report stated that a number of samples were obtained using an air percussion drill rig. Please indicate what the protocol was to minimize excessive aeration of samples obtained in such a way.

- The report indicates that significant soil contamination was/is in close proximity to and below the water table at this site. It is somewhat unexpected that the monitoring wells did not show any resulting contamination. In addition, decisions on ground water contamination are made based on at least several rounds of sampling and the last samples were obtained some time ago. Consequently, SAM will require at least one to two additional rounds of quarterly sampling of the wells on-site.

Quarterly monitoring shall include collection of groundwater samples from all wells using acceptable purging and sampling procedures. Laboratory analysis for ground water samples must include Total Petroleum Hydrocarbons (DHS TPH Method), Total Recoverable Petroleum Hydrocarbons (TRPH), and Benzene, Toluene, Ethylbenzene, Xylene, and methyl tertiary-butyl ether (MTBE) (EPA Method 8020). For at least the next quarter, any samples that are not non-detect for TRPH should also be analyzed by method 8310 or 8270 for polyaromatic hydrocarbons (PAHs) to help characterize the more mobile constituents in the waste oil. Groundwater levels should be measured, and any free product detected should be removed on a weekly basis, or more or less frequently as conditions may warrant. This information shall be submitted in a report to SAM.

Quarterly sampling and reporting should be done according to the following schedule:

Sampling Period	Report Due Date
January, February, March	April 30
April, May, June	July 30
July, August, September	October 30
October, November, December	January 30

You should initiate your sampling/reporting program in the current quarter (January-March), and the report will be due to SAM by April 30, 1995. Based on the quarterly monitoring schedule you will be adhering to, it is not necessary to have your attorney continue to provide 30 or 90-day update reports.

Please submit a workplan for the next phase of work on this site no later than March 20, 1995. Due to administrative changes, this file has been transferred to Ms. Carol Spangenberg, to whom you should direct all future inquiries. She can be reached at (619) 338-2257, if you have any questions on this matter. If you have

any questions regarding the previous handling of this case, please contact me at (619) 338-2396.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

LS:gl

cc: John Odermatt, RWQCB
Stephen Marsh
Barry Pulver, EBS

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☐ MINUTES OF MEETING H# 02651-001

☒ TELEPHONE CONVERSATION

DATE 7/1/96 TIME _____ LOCATION LA MESA RV

ATTENDEES/AGENCIES REPRESENTED * _____

PHONE NO. ( ) 460-1311

☐ PERSON CALLING/CALLED Tom Stall

☐ AGENCY REPRESENTED _____

CONVERSATION/MINUTES ** RWQCB had approved closure.

No Charge

NAME Carol Spangenberg

SIGNED Carol Spangenberg

AGENCY - COUNTY OF SAN DIEGO, DEPARTMENT OF ENVIRONMENTAL HEALTH

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

RECORD OF MEETING/TELEPHONE CONVERSATION

CHECK APPROPRIATE BOX:

☒ MINUTES OF MEETING H# 02651-001

☐ TELEPHONE CONVERSATION

DATE 6/13/96 TIME _____ LOCATION La Mesa RV

ATTENDEES/AGENCIES REPRESENTED * _____

PHONE NO. ( ) _____

☐ PERSON CALLING/CALLED _____

☐ AGENCY REPRESENTED _____

CONVERSATION/MINUTES ** Kevin Heaton

Review for closure

OK to close

Must review w/ Marcela RWQCB

INPUT ESTIMATION OF RESIDUAL CONTAM (MOTOR OIL)

Low values in groundwater are not a concern and don't need to be sampled again because they are way below MCLs.

NAME _____

SIGNED _____

AGENCY - COUNTY OF SAN DIEGO, DEPARTMENT OF ENVIRONMENTAL HEALTH

* A sign-in sheet (HM-9048) should be passed around at the beginning of the meeting, allowing all representatives to sign their name, list the agency they are representing, and telephone number.

** Brief summary of subject, agreements, directions, and/or instructions and anything else pertinent. Use extra sheets as necessary.

MEETING/PHONE/PEER REVIEW

RECORD

H	2651-001
DATE:	1/9 96
TIME:	:
PAGE	___ OF ___
SPEC:	

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (____) ____ - ____
Name: _____

[] Peer Review — Name: Marisela Humphries

TOPIC: La Mesa RV — Nuevado Rd

SUMMARY: Marisela confirmed 7.11 - beneficial use basin HSA.

5-23-96 Note: site is now in "non-sensitive" area

ALM SERVICES
SERVICE STATION CONTRACTOR
P.O. BOX 2354
LAKESIDE, CALIFORNIA 92040

"HMMU"

LICENSE NO. 464087
TELEPHONE (619) 561-6048

MAR 21 10 58 AM '88

H0 2657
T0427

March 21, 1988

County of San Diego
Haz Mat Attn: Vicki Church
1700 Pacific Highway
San Diego, Ca 92101-2489

Subject: Suspect soil contamination at La Mesa RV 7601 Alvarado Rd La Mesa. AT1124

Dear Vicki Church:

After the tanks were removed from the excavation Alm Services took soil samples in several locations to determine the presence or degree of contamination.

The 8 soil samples were gathered in glass jars and placed in a cooler with ice. They were taken the same day (2/22/88) to QA Laboratoryfor analysis.

Please review the attatched lab report, plot plan and chain of custody.

I am told a few of the tanks have not stored product for several years. Please contact Jim Buckner with La Mesa RV 462-5660 for a more exact history of the site to make your determination.

Sincerely,

Robert Alm

cc: Jim Buckner

Clay w/cobble
Shallow GW
possibly 8 FT

Hotspot w. O. tank
possible Minor excavation
Need 418.1, 8010

QUALITY ASSURANCE LABORATORY

ALM SERVICES
ATT: BOB ALM
8778 BURKSHIRE PLACE
LAKESIDE, CA 92040

DATE OF REPORT	MARCH 7, 1988
DATE RECEIVED	FEBRUARY 22, 1988
DATE OF SAMPLE	FEBRUARY 22, 1988
DATE COMPLETED	MARCH 4, 1988
ANALYZED BY	RB EM LF EA
SAMPLE TYPE	8 SOIL
PROJECT NAME	LA MESA RV

ANALYSES RESULTS MG/KG

LOG NUMBER	SAMPLE ID	TEH *	BENZENE	TOLUENE	XYLENE	TOTAL PCB	ORG. LEAD	TPH
2003-88	LR 1	110	<0.5	1.4	19		<0.5	
2004-88	LR 2	20						
2005-88	LR 3							17
2006-88	LR 4							6.3
2007-88	LR 5		7.7	44	82	<0.065		<2900>
2008-88	LR 6							3.2
2009-88	LR 7							77
2010-88	LR 8	6.3						

TEH - TOTAL EXTRACTABLE HYDROCARBONS

TEH - ANALYZED BY MODIFIED 8015, EXTRACTED BY METHOD 5020

TPH - TOTAL PETROLEUM HYDROCARBONS

TPH - ANALYZED BY EPA METHOD 418.1

BTX - ANALYZED BY MODIFIED 8020, EXTRACTED BY METHOD 5020

ORG.PB - ANALYZED BY METHOD 7420

TOTAL PCB - ANALYZED BY METHOD 8080

* CONTAMINATION: WEATHERED GASOLINE CALCULATED: KEROSENE CURVE

PETER T.L. SHEN
LABORATORY DIRECTOR

Mailing Address:
P.O. Box 22567
San Diego, CA 92122

San Diego
6555 Nancy Ridge Dr., Suite 300
San Diego, CA 92121
(619) 566-1060
Fax: (619) 458-9093

Arizona
(602) 468-0691
Orange County
(714) 261-7242

2-5-88 Mike Vernetti: for your file

ALM SERVICES

SERVICE STATION CONTRACTOR
P.O. BOX 2354
LAKESIDE, CALIFORNIA 92040

LICENSE NO. 464087
TELEPHONE (619) 561-6048

C0164
H02651

Feb. 4, 1988

La Mesa RV Center
7601 Alvarado Rd.
La Mesa, Ca. 92041
Attn: Jim Buckner

Subject: Quotation for the removal of (4) underground fuel tanks.

Alm Services will perform the following work to remove your tanks;

- Pull all permits required
- Uncover (1) 2,000 gallon gas tank and (3) 550 gallon waste oil tanks. Assist the tank cleaner (hired by La Mesa RV), demo concrete and A/C over tanks on a Saturday to be determined.
- Remove the tanks on the following Monday during the scheduled inspection with the HMMD and S.D. Fire Dept.. Assuming there is no soil contamination, we will backfill and compact the soil to open the area for traffic.
- Patch tank hole areas with 3" A/C on a weekday of your choice.
- Haul away tanks, A/C, and concrete for disposal.
- Removal of contaminated soil or soil sampling is not included.

Total Cost $7,700.

Work could begin Feb. 20, 1988

Payment terms will be;

10%	Before pulling permits	$770
84%	After tank removal and backfill	$6468
6%	After paving	$462

Invoices will be due upon receipt, delinquent after 10 days. A late charge of 1½% per month on past due amounts.

Submitted by: [signature]

Title : Owner

Date : 2/4/88

Accepted by: [signature]

Title: Dir. of Fixed Operations

Date : 2-5-88

ALM SERVICES
SERVICE STATION CONTRACTOR
P.O. BOX 2354
LAKESIDE, CALIFORNIA 92040

LICENSE NO. 464087
TELEPHONE (619) 561-6048

"HMMU"

JUN 6 4 24 PM '88

June 3, 1988

County of San Diego- Health Services
1700 Pacific Coast Hwy.
P.O. Box 85261
San Diego, CA. 92138-5261

Attn: Vicki Church- HAZMAT

Subject: Soil sampling at La Mesa RV, 7601 Alverado Rd., La Mesa
Plan check AT1124, EST #H02651.

Dear Vicki Church:

In order to resolve the high levels of TPH at the location of the old oil tanks, we have performed the following work:

- Excavated approximately 20 yds. of discolored and oily soil.
- Gathered 3 soil samples per plot plan.
- Backfilled hole with clean fill.
- Stockpiled oil soil at back of lot.

The samples were gathered in glass jars and placed in a cooler, on Saturday May 14th. They were stored in a refrigerator over the weekend and taken to QA Lab on Monday morning per chain of custody report.

The samples were taken in the native material. It was mostly clay with rocks roughly 3" round. No ground water was encountered.

Please review the attached lab results.

Contact myself or Jim Buckner at La Mesa RV with questions on the site.

Sincerely,

Robert Alm
owner

RA/dp
enclosure

cc: Jim Buckner
Water Quality Review Board

QUALITY ASSURANCE LABORATORY

ALM SERVICES
ATTN: BOB ALM
8778 BURKSHIRE PLACE
LAKESIDE, CA 92040

DATE OF REPORT	MAY 27, 1988
DATE RECEIVED	MAY 16, 1988
DATE OF SAMPLE	MAY 14, 1988
DATE COMPLETED	MAY 27, 1988
ANALYZED BY	RB EM DW PN BW
SAMPLE TYPE	3 SOIL
PROJECT NAME	LA MESA RV

ANALYSES RESULTS

ANALYSIS	METHOD	UNITS	LOG NUMBER: 5166-88 SAMPLE ID: SE 12	5167-88 NW 12-6	5168-88 EW 8-6
TPH	EPA 418.1	MG/KG	930	340	250
BENZENE	MOD 8020,EXT 5020	MG/KG		<0.5	
TOLUENE	MOD 8020,EXT 5020	MG/KG		<0.5	
XYLENE	MOD 8020,EXT 5020	MG/KG		<0.5	
ORG. LEAD	7420	MG/KG		<0.50	

TPH - TOTAL PETROLEUM HYDROCARBONS

Dana Walker
DANA WALKER
LABORATORY DIRECTOR

Mailing Address:
P.O. Box 22567
San Diego, CA 92122

San Diego
6555 Nancy Ridge Dr., Suite 300
San Diego, CA 92121
(619) 566-1060
Fax: (619) 458-9093

Arizona
(602) 468-0691
Orange County
(714) 261-7242

MAY 27, 1988

ALM SERVICES
EPA METHOD 8010
PURGEABLE HALOCARBONS
SAMPLE TYPE - SOIL

ANALYSES	DETECTION LIMIT ug/kg	5167-88 NW 12-6 ug/kg
BROMODICHLOROMETHANE	2.5	ND
BROMOFORM	5.0	ND
BROMOMETHANE	30	ND
CARBONTETRACHLORIDE	3.0	ND
CHLOROBENZENE	6.3	ND
CHLOROETHANE	13	ND
2-CHLOROETHYLVINYL ETHER	3.3	ND
CHLOROFORM	1.3	ND
CHLOROMETHANE	2.0	ND
DIBROMOCHLOROMETHANE	2.3	ND
1,2-DICHLOROBENZENE	3.8	ND
1,3-DICHLOROBENZENE	8.0	ND
1,4-DICHLOROBENZENE	6.0	ND
1,1-DICHLOROETHANE	1.8	ND
1,2-DICHLOROETHANE	0.8	ND
1,1-DICHLOROETHENE	3.3	ND
trans-1,2-DICHLOROETHENE	2.5	ND
DICHLOROFLUOROMETHANE	45	ND
1,2-DICHLOROPROPANE	1.0	ND
cis-1,3-DICHLOROPROPENE	8.5	ND
trans-1,3-DICHLOROPROPENE	5.0	ND
METHYLENE CHLORIDE	6.3	ND
1,1,2,2-TETRACHLOROETHANE	0.8	ND
TETRACHLOROETHENE	0.8	ND
1,1,1-TRICHLOROETHANE	0.8	ND
1,1,2-TRICHLOROETHANE	0.5	ND
TRICHLOROETHENE	3	ND
TRICHLOROFLUOROMETHANE	13	ND
VINYL CHLORIDE	4.5	ND

ND = NONE DETECTED

Dana Walker

DANA WALKER
LABORATORY DIRECTOR

QUALITY ASSURANCE LABORATORY
CHAIN OF CUSTODY

COMPANY: ALM SERVICES

PROJECT NAME/NUMBER: La Mesa RV

Q.A. LOG NUMBER 5166 TO 5168

SAMPLE ID	DATE OF SAMPLE	SAMPLE LOCATION	CONT TYPE	SAMPLE TYPE	ANALYSIS REQUIRED	COMMENTS
SE 12	5-14-88	SE	JAR	SOIL	~~[illegible]~~ 418.1 TPH ~~8015 [illegible]~~ OIL	
NW 12-6	5-14-88	NW	"	SOIL	418.1 ORG. LEAD, BTX, SOLVENTS ~~[illegible]~~ TEH OIL 8010 → 601	highest level
EW 8-6	5-14-88	EW	"	SOIL	418.1 TPH DW ~~8015 [illegible]~~ OIL TEH	
					* Customer informed oil not pick up	
					in mod 8015	
					on phone Mark change	analysis to 418.1
					BW	

SEND RESULTS TO ATTN: Bob Alm

PHONE #: 561-6048

MAIL TO

RELINQUISHED BY	DATE/TIME	RECEIVED BY
[signature]	5-16-88 12:55	[signature]
RELINQUISHED BY	DATE/TIME	RECEIVED BY
RELINQUISHED BY	DATE/TIME	RECEIVED BY

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO — HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE.
SIGNED _____ DATE _____

REPORT DATE: 04/04/88 — CASE #: T0945 1H02651

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: J. Buckner — PHONE: (619) 462-5660 — SIGNATURE:
REPRESENTING ☒ ~~OWNER~~/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____ — COMPANY OR AGENCY NAME: La Mesa RV Center
ADDRESS: 7601 Alvarado Rd (STREET) — La Mesa (CITY) — CA (STATE) — 92041 (ZIP)

RESPONSIBLE PARTY
NAME: Above ☐ UNKNOWN — CONTACT PERSON: _____ — PHONE: ( )
ADDRESS: _____ (STREET) _____ (CITY) _____ (STATE) _____ (ZIP)

SITE LOCATION
FACILITY NAME (IF APPLICABLE): _____ — OPERATOR: _____ — PHONE: ( )
ADDRESS: Above (STREET) _____ (CITY) _____ (COUNTY) _____ (ZIP)
CROSS STREET: Fletcher Park Way
TYPE OF AREA ☒ COMMERCIAL ☐ INDUSTRIAL ☐ RURAL ☐ RESIDENTIAL ☐ OTHER _____
TYPE OF BUSINESS ☐ RETAIL FUEL STATION ☐ FARM ☒ OTHER RV Sales + Service

IMPLEMENTING AGENCIES
LOCAL AGENCY — AGENCY NAME: 2 Dept of Health Services — CONTACT PERSON: Vickie Church / Darryl Fowler — PHONE: (619) 236-2222
REGIONAL BOARD — 2 Regional Water Quality Control Board — CONTACT PERSON: Scott Huygenbaye — PHONE: (619) 265-5114

SUBSTANCES INVOLVED
(1) NAME: Used Engine Oil — QUANTITY LOST (GALLONS): _____ ☒ UNKNOWN
(2) _____ ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 11/24/86 — HOW DISCOVERED ☐ ~~INVENTORY CONTROL~~ ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☒ TANK TEST ☒ TANK REMOVAL 02-22-88 ☐ OTHER _____
DATE DISCHARGE BEGAN: _____ ☒ UNKNOWN
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ REMOVE CONTENTS ☐ REPLACE TANK ☒ CLOSE TANK 11-24-86 ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE
HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE: 11/24/86 ☒ OTHER Remove Tank

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☒ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER
TANKS ONLY/CAPACITY: 3-600 GAL. each — AGE 20+ YRS ☐ UNKNOWN
MATERIAL: ☐ FIBERGLASS ☒ STEEL ☐ OTHER _____
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☒ CORROSION ☐ UNKNOWN ☐ SPILL ☐ OTHER _____

CASE TYPE
CHECK ONE ONLY: ☐ UNDETERMINED ☐ SOIL ONLY ☒ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY: ☒ SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) ☐ CLEANUP IN PROGRESS ☐ SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) ☐ NO ACTION TAKEN ☐ POST CLEANUP MONITORING IN PROGRESS ☐ NO FUNDS AVAILABLE TO PROCEED ☐ EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ TREATMENT AT HOOKUP (HU) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT) _____

COMMENTS
Removal of Tanks and Tests cost over $10,000. The contamination soil is to be removed and sent to a hazardous dump site. Amount and cost unknown at this time. Contractor is ALM Services PO Box 2354 Lakeside Cal. 92040 (Bob ALM)

HSC 05 (4/87)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Provide details on tank age; capacity and material if known. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which actions have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.
SIGNATURE - Sign the form in the space provided.
DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies in tact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Water Quality, Underground Tank Program, P. O. Box 100, Sacramento, CA 95801
3. Regional Water Quality Control Board
4. County Board of Supervisors or designee to receive Proposition 65 notifications.
5. Owner/responsible party.

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite [illegible] pitch typewriter).

Department of Health Service
Toxic Substances Control Divisio
Sacramento, Californi

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD981576655 — Manifest Document No.: 05234

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: [illegible] CAMASA, CA

4. Generator's Phone: [illegible]

A. State Manifest Document Number: 87102481

B. State Generator's ID:

5. Transporter 1 Company Name: Triad Marine & Ind'l Cleaning

6. US EPA ID Number: CAD981965734

C. State Transporter's ID: 808013

D. Transporter's Phone: (619) 234-2024

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address: Nelco Oil Refining Corp. 600 West 12th Street National City CA 92050

10. US EPA ID Number: CAD008352890

G. State Facility's ID:

H. Facility's Phone: (619) 474-7511

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 No.
a. Waste Flammable Liquid NOS Waste Gasoline UN1203	001	TT	00750	G	State 213 / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
Gasoline 1% - 5%
Waste Oil 5% - 10%
Waste Water 99% - 90%

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
Gloves / Face Shield

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: [illegible] — Signature: [illegible] — Month Day Year: [illegible]

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Gabino Morales — Signature: Gabino Morales — Month Day Year: 02 20 88

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: — Signature: — Month Day Year:

GENERATOR — TRANSPORTER — FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

1-10-92

December 11, 1991

Mr. James Buckner
La Mesa RV Center
7601 Alvarado Road
La Mesa, California 92041

Attention: Mr. James Buckner

Subject: Environmental Engineering Services
Relating to Unauthorized Release
Case Number T0427/H02651-001
HALLIBURTON NUS Proposal No. P9111053

Dear Mr. Buckner:

In response to your request, HALLIBURTON NUS Environmental Corporation (HALLIBURTON NUS) is pleased to submit this proposal to provide environmental engineering services relating to the unauthorized release (UAR) at the La Mesa RV Center. La Mesa RV is located at 7601 Alvarado Road in La Mesa, California.

The information presented below summarizes our understanding of the circumstances associated with the UAR at the site and proposes a scope of work to address these circumstances.

TECHNICAL UNDERSTANDING AND APPROACH

A representative of HALLIBURTON NUS previously visited the subject site with Mr. Chris Tomlin of Horizon Hoist Company of San Diego. During the survey of the site, Mr. Tomlin indicated that Alm Services, a local tank removal contractor, had removed four underground storage tanks (UST) from the site on February 22, 1988. The four UST's consisted of one 550 gallon used oil tank, two 550 gallon new oil tanks, and one 2000 gallon regular leaded gasoline tank.

While surveying the site, a concrete patch was observed at the location of the former gasoline UST at the southwest corner of the north service garage. In addition, an asphalt patch was observed at the location of the former oil UST on the south side of the southwest corner of the north service garage. An extensive asphalt parking and driveway complex surrounds the service

December 11, 1991
Proposal No. P9111053

and sales buildings. The former UST locations are situated in areas that could potentially disrupt the activities of the dealership during proposed excavation activities.

A survey of areas adjacent to the dealership indicate the site is bordered to the ~~south~~ North by Alvarado Road and Interstate 8, to the west and south by commercial properties and to the east by a residential property. Located immediately east of the residential property is the site of a former gasoline service station that is currently undergoing investigation and remediation activities associated with an unauthorized release at the site.

Review of Correspondence and Laboratory Data

A review of the "Abandoned Underground Tank Report", prepared by Mr. Donn Lipera of the San Diego County Department of Health Services-Hazardous Materials Management Division (DHS-HMMD) confirms that four UST's were removed from the site on February 22, 1988. The report further indicates that all of the tanks possessed holes ranging from pinhole size to three quarters of an inch in diameter. Odors within the excavation were indicated to be slight with some soil discoloration. Groundwater impact was not noted, although groundwater was observed within the excavation at a depth of seven feet below ground surface.

Correspondence from Mr. Bob Alm to Ms. Vicki Church of the DHS-HMMD, dated March 21, 1988 indicates that Alm Services obtained a total of six soil samples from the bottom of the two excavations. Four of the soil samples were obtained from the excavation, formerly containing the used oil tank and the two new oil tanks. A review of the laboratory results of these four soil samples indicates that total recoverable petroleum hydrocarbon (TRPH) concentrations (EPA Test Method 418.1) in the samples ranged from 32 to 2900 milligrams/kilogram (mg/kg). Benzene, toluene, and xylene concentrations (EPA Test Method modified 8020) in one sample were 7.7, 44, and 82 mg/kg , respectively. Two soil samples were obtained from the second excavation, formerly containing a regular leaded gasoline tank. A review of the laboratory results indicates that total petroleum hydrocarbon (TPH) concentrations (EPA Test Method modified 8015) in the samples was 20 and 100 mg/kg. Benzene, toluene, and xylene concentrations in one sample were <0.5, 1.4, and 19 mg/kg (EPA Test Method modified 8020), respectively. Two additional soil samples were obtained from two soil stockpiles generated from the excavation and removal of the four tanks. One soil sample obtained from a 20 cubic yard soil stockpile originating from the oil tank excavation possessed a TRPH concentration of 77 mg/kg. The other soil sample obtained from a 20 cubic yard soil stockpile originating from the gasoline tank excavation possessed a TPH concentration of 20 mg/kg.

ACCURATE Summary

December 11, 1991
Proposal No. P9111053

On May 14, 1988, Mr. Alm reportedly obtained three additional soil samples from the oil tank excavation. A review of the laboratory data for these three soil samples indicates that TRPH concentrations were 250, 340, and <930 mg/kg. Benzene, toluene, xylene and solvent concentrations were below detection limits.

Based on the information summarized above, it is the understanding of HALLIBURTON NUS that the client's objective is to obtain regulatory site closure of the UAR reported for the site. In accordance with current regulatory guidelines, the horizontal and vertical extent of hydrocarbon impacts to the soil at the site must be estimated and potential impacts to groundwater must be addressed. In the event that hydrocarbon impacts in excess of cleanup standards established by regulatory agencies are encountered, mitigation of this impact may be required by regulatory officials. HALLIBURTON NUS would recommend methods for the mitigation and could provide the necessary equipment and expertise to accomplish any required cleanup.

SCOPE OF SERVICES

Based on our understanding of your requirements as conveyed above, we propose to provide environmental engineering services on behalf of La Mesa RV for the purpose of obtaining regulatory closure of the UAR for the subject site. The scope of services proposed is designed to provide a cost effective approach to attempt to satisfy the goal of site closure. However, following regulatory review of the results of the first phase of services, the performance of additional services may be required.

- Provide consultation including a review of the proposed workplan with the appropriate representatives of the DHS-HMMD and the San Diego Regional Water Quality Control Board (RWQCB) prior to the commencement of the field activities. - Estimated man hours = 2 HALLIBURTON NUS

- Prepare a Health and Safety Plan that would identify potential health and safety hazards anticipated during the performance of the excavation activities. The plan would be prepared prior to the commencement of field activities and would be reviewed by all field personnel. - Estimated man hours = 2 HALLIBURTON NUS

- Obtain the services of an underground utility locating service and review available client "As Built" drawings in an effort to identify the presence of underground utilities in proximity to the proposed excavations. - Estimated man hours = 2 HALLIBURTON NUS and 3 contractor

- Notify Underground Service Alert as required by law and obtain a "Ticket Number" at least 48 hours prior to the commencement of excavation activities. - Estimated man hours = 1 HALIBURTON NUS

- Sawcut asphalt and concrete in the areas designated for excavation of the trenches. Estimated man hours = 1 HALLIBUTON NUS and 4 contractor



- Excavate trenches perpendicular to the perimeter of the excavation sidewalls in an attempt to identify the contact between the fill and formational soils. Based on the information obtained during the excavation of the perpendicular trenches, perimeter trenches would be excavated parallel to each sidewall, where possible. Soil samples would be collected at various depths as necessary to aid in the estimation of the extent of possible hydrocarbon impact to the soil. Based on available information, it is estimated that the trenches would extend to the depth of groundwater or a depth of approximately 13 feet below the ground surface, whichever is less. - Estimated man hours = 18 HALLIBURTON NUS and 18 contractor

- Provide site security either with barricades or trench plates. - Estimated man hours = 2 HALLIBURTON NUS

- Perform vapor headspace surveys on soil samples collected from the trenches at each former UST location. An organic vapor analyzer (OVA) would be used to attempt to obtain indicators of the presence of petroleum hydrocarbons. It should be noted that use of the headspace survey is generally more effective on soil impacted by gasoline than on soils containing used oil. - Hours required to perform this task are included as part of the excavation activities as referenced above.

- Obtain soil samples. Soil samples obtained throughout the performance of the field activities would be subjected to analysis by an on-site California Department of Health Services certified mobile laboratory. The results of the laboratory analysis would be used to guide additional trenching activities and provide analytical confirmation of the possible extent of hydrocarbon impact to the soil.

December 11, 1991
Proposal No. P9111053

It is anticipated that approximately 12 soil samples would be obtained and analyzed for the presence of TRPH using EPA Method 418.1. Approximately 12 additional soil samples would be obtained and analyzed for the presence of total petroleum hydrocarbons (TPH) using EPA Method DHS-8015. One soil sample from the used oil trenching would be analyzed for solvents by EPA Test Method 8010 while a soil sample from the gasoline UST trenching would be analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE) by EPA Test Method 8020-modified. Analysis using EPA Test Methods 418.1 and DHS-8015 cost approximately $80 per sample while EPA Test Methods 8010 and 8020-modified cost approximately $100 per sample.

Quality assurance/control procedures would be followed during all excavation and soil sampling activities. Soil samples would be placed in laboratory prepared containers and transported to an on site mobile laboratory for analytical testing. Chain-of-custody documentation would be provided for all soil samples. - Hours required to perform this task are included as part of the excavation activity.

- Segregate soil. Soil excavated during the trenching activities at each former UST location according to origin and by estimates of TRPH and TPH concentrations. The soil would be stockpiled on-site and placed on, and covered with, visqueen in accordance with regulatory protocol. The client would be responsible for disposition of the stockpiled soil. Estimated man hours = 2 HALLIBURTON NUS. At The client's request, HALLIBURTON NUS can assist in arranging with third parties for transportation and disposal of the stockpiled soil. Fees for this service will be additional.

- Provide health and safety monitoring during all trenching/excavation activities. The hours required to perform this task are included as part of the excavation activities.

- Fill trenches with rock/gravel and replace asphalt and concrete at ground surface, whichever is appropriate. The cost for this item is not included in the proposal as the amount of rock/gravel and concrete and asphalt required cannot be determined at this time.

- Prepare a report summarizing the results of the field activities and provide recommendations for additional environmental services, if required. Estimated man hours = 20 HALLIBURTON NUS

- Provide consultation with the client and representatives of the regulatory agencies following completion of the field activities. The purpose of the consultation would be to present the results obtained during the performance of the field activities. - Estimated man hours = 4 HALLIBURTON NUS

Very important to remember

It should be noted that the scope of services referenced above is for a first phase exploration of the possible horizontal and vertical extent of the hydrocarbon impacts to the soil at the site. Based on discussions with regulatory representatives, additional services, consisting of monitoring of the groundwater will be required by regulatory agencies. The nature of the groundwater monitoring activities will be dependent upon the results obtained from the first phase of the exploration activities. HALLIBURTON NUS would keep the client apprised of work progress and the possible need for additional services. No additional services would be performed without the client's consent.

TERMS AND CONDITIONS

The terms and conditions of this agreement are specified in the "Master Environmental Services Agreement" attached as Exhibit "A".

PROJECT STAFFING

This project will be managed by Mr. David Eminhizer, an environmental scientist/geologist with more than 8 years experience as a science professional and more than 6 years as a consultant and site manager in San Diego County.

PROJECT SCHEDULE

HALLIBURTON NUS can begin to provide these services upon contract award and authorization. Based upon the above-referenced Scope of Services, it is anticipated that a report regarding the site trenching activities could be completed within four weeks of the completion of the field activities.

Site visit 8:30 - 9:30 8-28-91

7601 Alvarado Rd La Mesa H02651-001 (T83)

Met w/ Jim Buckner He showed me the locations of former tank pits which were covered w/ concrete & Asphalt patch



Former Exc. Area

H02651-001 Mo. Lahsaie
7601 Alvarado Rd La Mesa
Site visit 8-28-91



Former tank pit

H02651-001 Mo. Lahsaie
7601 Alvarado Rd. La Mesa
Site visit 8-28-91

7601 Alvarado Road / Post Office Box 1670 / La Mesa, CA 92041-0325 / (619) 462-5660

LA MESA RV CENTERS
World's Largest RV Dealer

RECEIVED
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ENVIRONMENTAL
HEALTH SERVICES

June 12, 1991

REVIEWED 6/18/91
HMMD

Hazardous Materials Management Division
County of San Diego
P. O. Box 85261
San Diego, CA 92186-5261

Attn: Darryl Fowler
Hazardous Materials Specialist

RE: Your Letter of May 23, 1991
Unauthorized Release #T0427/H02651-001
7601 Alvarado Road, La Mesa, CA 92041

Dear Mr. Fowler:

We were unaware of California Code of Regulations Title 23, Chapter 3, Subchapter 16, Section 2652 (d) prior to your letter.

We have been obtaining estimates from Leighton and Associates, Geotechnical and Environmental Engineering Consultants and Geocon, Environment Consultants, subconsultants to Horizon Hoists Company.

We have reached an agreement with Chris Tomlin of Horizon Hoists and signed a work order for Geocon. They will begin within the first two weeks of July 1991.

If you need more specific information please contact Chris Tomlin care of Horizon Hoist Co., 1991 Arnheim Court, El Cajon, CA 92021 (619) 444-9166.

Sincerely,

Jim Buckner
Director of Fixed Operations

JB:b

cc: RWQCB

HALLIBURTON NUS
Environmental Corporation

16885 WEST BERNARDO DRIVE • SUITE 100 • SAN DIEGO, CALIFORNIA 92127 (619) 451-2131

RECEIVED
Nov 10 7 13 AM '92
ENVIRONMENTAL
HEALTH SERVICES

November 9, 1992

County of San Diego
Hazardous Materials Management Division
P.O. Box 85261
San Diego, CA 92138-5261

Attention: Mr. Lars Skinner

Subject: La Mesa RV Center
7601 Alvarado Road, La Mesa, California
UAR Case No. T0427/H02651-001
Interim Report on Soil Assessment and Mitigation, Dated August 28, 1992

Mr. Skinner:

At the request of Mr. James Buckner, representing La Mesa RV Center, the above-referenced report is released by HALLIBURTON NUS and is provided for your review and comment. A duplicate copy of this report has also been sent to the local office of the RWQCB.

(4 months)

The release of this report was delayed for administrative reasons and should not be interpreted as negligence on the part of La Mesa RV to comply with state and county reporting requirements. Although we recognize that some inconveniences have likely occurred, we hope that they have not impaired the progress of this project.

If you have any questions regarding the information provided, please call the undersigned. Your cooperation on issues regarding this project have been appreciated.

Sincerely,

Colin P. Young, CIH
Manager, San Diego District
Southwest Region

cc.: Mr. James Buckner, La Mesa RV Center
Mr. Corey Walsh, RWQCB-San Diego

INTERIM REPORT ON SOIL

ASSESSMENT AND MITIGATION FOR

LA MESA RV CENTER

7601 ALVARADO ROAD

SAN DIEGO, CALIFORNIA

H02651-001

PREPARED FOR

LA MESA RV CENTER

LA MESA, CALIFORNIA

5-10-93 START REVIEW (1.0, 232)

5-11-93 CONTD.. (.7, 232)

CONTD .. (.7, 232)

PREPARED BY HALLIBURTON NUS ENVIRONMENTAL CORPORATION
16885 West Bernardo Drive, Suite 100
San Diego, California 92127

AUGUST 1992

HALLIBURTON NUS
Environmental Corporation

16885 WEST BERNARDO DRIVE • SUITE 100 • SAN DIEGO, CALIFORNIA 92127 • (619) 451-2131

August 28, 1992
Project No. 2N60

La Mesa RV Center
7601 Alvarado Road
La Mesa, California

Attention: Mr. James Buckner

Subject: La Mesa RV Center
7601 Alvarado Road, La Mesa, California
Unauthorized Release Case No. T0427/H02651-001
Interim Report on Soil Assessment and Mitigation

Gentlemen:

On behalf of La Mesa RV Center and in accordance with the "Proposal" dated December 11, 1992, HALLIBURTON NUS Environmental Corporation (HALLIBURTON NUS) has performed assessment and mitigation services for the subject site located at 7601 Alvarado Road in La Mesa, California.

During 1988, La Mesa RV Center removed four underground storage tanks from the subject property. In December 1991, representatives of La Mesa RV Center retained HALLIBURTON NUS to attempt to assess and mitigate potential hydrocarbon impacts to the soil at the site. The attached "Interim Report" presents a synopsis of the efforts of HALLIBURTON NUS to accomplish those tasks and provide recommendations for additional services.

If there are any questions concerning the contents of this report, please contact the undersigned at your convenience.

Sincerely,

David A. Eminhizer
Site Manager

Peter M. Stang
Registered Geologist RG 5219

REGISTERED GEOLOGIST
PETER M. STANG
NO. 5219
Expires: 6/94
STATE OF CALIFORNIA

(2) Addressee
(1) Hazardous Materials Management Division
Attn: Mr. Lars Skinner
(1) Regional Water Quality Control Board
Attn: Mr. James Munch

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Appendix A, Abandoned Underground Tank Report
Unauthorized Release Report Form
UST Cleanup Fund Claim Application Form
Appendix B, Workplan
Appendix C, Excavation Laboratory Data
Appendix D, Stockpile Laboratory Data
Appendix E, Soil Disposal Manifests and Receipts

August 28, 1992
Project No. 2N60

INTERIM REPORT ON SOIL ASSESSMENT AND MITIGATION

SECTION ONE: INTRODUCTION AND BACKGROUND

INTRODUCTION

This report presents the results of a soil assessment and mitigation efforts conducted for the unauthorized release (UAR No. T0427/H02651-001) reported for a group of four underground storage tanks (USTs) formerly located at 7601 Alvarado Road in La Mesa, California. La Mesa RV Center operated the USTs at the site at the time of the reported UAR and remain the current occupants of the site. The Assessor's Parcel Number for the property is 469-021-02.

Site Location

The subject site, currently occupied by La Mesa RV Center is located at 7601 Alvarado Road in La Mesa, California. The business is engaged in the sale and maintenance of recreation vehicles. The site is located adjacent to, and on the south side of Alvarado Road. Alvarado Creek (a concrete lined channel) bounds Alvarado Road to the north and Interstate 8 bounds Alvarado Creek to the north. Motel "6" bounds the subject property to the east; a steep bank and residential housing bound the subject property to the south; and a drainage channel and mobile home and trailer park bound the site to the west. A gasoline service station, reportedly the site of a UAR, was formerly located several hundred yards to the east of the subject property. The approximate location of the site is presented on the Vicinity Map, Figure No. 1.

Site Improvements

Located on the site are several office, sales, storage, and service/maintenance structures. These facilities are contained in four separate structures, generally constructed of concrete blocks. Most of the subject site has been paved with asphaltic concrete with areas of soil and grass surfaces only along the south and western boundaries of the property and ranging as a strip with

a width generally ranging between 15 and 30 feet. A chain-link fence bounds the property to the east, south, and west. A wrought-iron fence bounds the property to the north with two gates providing access to the site. Most of the site is under surveillance with video cameras to monitoring site security. The Site Plan, presented on Figure 2, presents an approximate depiction of the site.

BACKGROUND

Preliminary Site Visit

A representative of HALLIBURTON NUS previously visited the subject site with Mr. Chris Tomlin of Horizon Hoist Company of San Diego. During the survey of the site, Mr. Tomlin indicated that Alm Services, a local tank removal contractor, had removed four underground storage tanks (UST) from the site on February 22, 1988. The four USTs consisted of one 550 gallon used oil tank, two 550 gallon new oil tanks, and one 2000 gallon regular leaded gasoline tank.

While surveying the site, a concrete patch was observed at the location of the former gasoline UST at the southwest corner of the north service garage. In addition, an asphalt patch was observed at the location of the former oil UST on the south side of the southwest corner of the north service garage. An extensive asphalt parking and driveway complex surrounds the service and sales buildings.

Review of Correspondence and Laboratory Data

A review of the "Abandoned Underground Tank Report", prepared by Mr. Donn Lipera of the San Diego County Department of Health Services-Hazardous Materials Management Division (DHS-HMMD) confirms that four UST's were removed from the site on February 22, 1988. The report further indicates that all of the tanks possessed holes ranging from pinhole size to three-quarters of an inch in diameter. Odors within the excavation were indicated to be slight

with some soil discoloration. Groundwater impact was not noted, although groundwater was observed within the excavation at a depth of seven feet below ground surface. Following the removal of the USTs from the site, La Mesa RV Center submitted an "Unauthorized Release Report" with the HMMD. Copies of the "Abandoned Underground Tank Report", the "Unauthorized Release Report", and the responsible party's UST Cleanup Fund Claim Form are provided in Appendix A.

Correspondence from Mr. Bob Alm to Ms. Vicki Church of the DHS-HMMD, dated March 21, 1988 indicates that Alm Services obtained a total of six soil samples from the bottom of the two excavations. Four of the soil samples were obtained from the excavation, formerly containing the used oil tank and the two new oil tanks. A review of the laboratory results of these four soil samples indicates that total recoverable petroleum hydrocarbon (TRPH) concentrations (EPA Test Method 418.1) in the samples ranged from 3.2 to 2900 milligrams/kilogram (mg/kg). Benzene, toluene, and xylene concentrations (EPA Test Method modified 8020) in one sample were 7.7, 44, and 82 mg/kg , respectively. Two soil samples were obtained from the second excavation, formerly containing a regular leaded gasoline tank. A review of the laboratory results indicates that total petroleum hydrocarbon (TPH) concentrations (EPA Test Method modified 8015) in the samples was 20 and 100 mg/kg. Benzene, toluene, and xylene concentrations in one sample were <0.5, 1.4, and 19 mg/kg (EPA Test Method modified 8020), respectively. Two additional soil samples were obtained from two soil stockpiles generated from the excavation and removal of the four tanks. One soil sample obtained from a 20 cubic yard soil stockpile originating from the oil tank excavation possessed a TRPH concentration of 77 mg/kg. The other soil sample obtained from a 20 cubic yard soil stockpile originating from the gasoline tank excavation possessed a TPH concentration of 20 mg/kg.

3 MONTHS LATER

On May 14, 1988, Mr. Alm reportedly obtained three additional soil samples from the oil tank excavation. A review of the laboratory data for these three soil samples indicates that TRPH concentrations were 250, 340, and 930 mg/kg. Benzene, toluene, and xylene concentrations

(using EPA Method 8020) and solvent concentrations (using EPA Method 8010) were below detection limits.

Based on the information summarized above, it is the understanding of HALLIBURTON NUS that the client's objective is to obtain regulatory site closure of the UAR reported for the site. In accordance with current regulatory guidelines, the horizontal and vertical extent of hydrocarbon impacts to the soil at the site must be estimated and potential impacts to groundwater must be addressed. In the event that hydrocarbon impacts in excess of cleanup standards established by regulatory agencies are encountered, mitigation of this impact may be required by regulatory officials. HALLIBURTON NUS would recommend methods for the mitigation and could provide the necessary equipment and expertise to accomplish any required cleanup.

SECTION TWO: SCOPE OF SERVICES

BACKGROUND

On January 10, 1992, a meeting was conducted at the office of the HMMD for the purpose of obtaining regulatory input concerning a proposed scope of services presented in a "Workplan for Site Assessment and Mitigation" for the La Mesa RV site by HALLIBURTON NUS. Present at the meeting were Mo Lahsaie and Darryl Fowler of the HMMD, James Munch of the RWQCB, James Buckner of La Mesa RV Center, and David Eminhizer of HALLIBURTON NUS. Based on our understanding of the regulatory requirements and La Mesa RV's desire to pursue assessment and eventual closure of the UAR reported for the site, HALLIBURTON NUS proposed and performed the following scope of services.

SCOPE OF SERVICES

- Provided consultation including a review of the proposed workplan with the appropriate representatives of the DHS-HMMD and the San Diego Regional Water Quality Control Board (RWQCB) prior to the commencement of the field activities.

- Prepared a Health and Safety Plan that identified potential health and safety hazards anticipated during the performance of the excavation activities. The plan, prepared prior to the commencement of field activities, was reviewed by all field personnel.

- Reviewed available client "As Built" drawings in an effort to identify the presence of underground utilities in proximity to the proposed excavations.

- Notified Underground Service Alert as required by law and obtained a "Ticket Number" at least 48 hours prior to the commencement of excavation activities.

- Attempted to excavate trenches perpendicular to the perimeter of the excavation sidewalls for the purpose of identifying the contact between the fill and formational soils. Based on the information obtained during the excavation of the perpendicular trenches, perimeter trenches were to be excavated parallel to each sidewall, where possible. Soil samples were to be collected at various depths as necessary to aid in the estimation of the extent of possible hydrocarbon impact to the soil. Based on available information, it was estimated that the trenches would extend to the depth of groundwater or a depth of approximately 13 feet below the ground surface, whichever was less.

- Provided site security with barricades.

- Performed vapor headspace surveys on soil samples collected from the excavations at each former UST location. An organic vapor analyzer (OVA) was used to attempt to obtain indicators of the presence of petroleum hydrocarbons. It should be noted that use of the headspace survey is generally more effective on soil impacted by gasoline than on soils containing used oil.

- Obtained soil samples throughout the performance of the field activities. The soil samples were subjected to analysis by an on-site California Department of Health Services certified mobile laboratory. The results of the laboratory analysis were used to guide additional excavation activities and provide analytical confirmation of the possible extent of hydrocarbon impact to the soil. It was anticipated that approximately 12 soil samples would be obtained and analyzed for the presence of TRPH using EPA Method 418.1. Approximately 12 additional soil samples would be obtained and analyzed for the presence of total petroleum hydrocarbons (TPH) using EPA Method DHS-8015. One soil sample from the used oil excavation soils was analyzed for solvents by EPA Test Method 8010 while a soil sample from the gasoline UST trenching was analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE) by EPA Test Method 8020-modified.

  Quality assurance/control procedures were followed during all excavation and soil sampling activities. Soil samples were placed in laboratory prepared containers and transported to an on site mobile laboratory for analytical testing. Chain-of-custody documentation was provided for the soil samples. Sampling equipment was washed with an Alconox and tap water solution and rinsed with tap water before each sample was collected.

- Segregated soil excavated during the trenching activities at each former UST location according to origin and by estimates of TRPH and TPH concentrations. The soil was stockpiled on-site and placed on, and covered with, visqueen in

accordance with regulatory protocol. The client was responsible for disposition of the stockpiled soil.

- Provided health and safety monitoring during all trenching/excavation activities.
- Filled excavations with rock/gravel and replaced asphalt at the ground surface, as appropriate.
- Prepared this report summarizing the results of the field activities and provided recommendations for additional environmental services, as necessary.
- Provided consultation with the client and representatives of the regulatory agencies following completion of the field activities.

It should be noted that the scope of services referenced above was for a first phase exploration of the possible horizontal and vertical extent of the hydrocarbon impacts to the soil at the site. Based on discussions with regulatory representatives, additional services, consisting of monitoring of the groundwater will likely be required by regulatory agencies.

SECTION THREE: ASSESSMENT AND MITIGATION

PRE-FIELD ACTIVITIES

Review of Background Information

Information relating to the former UST located on the subject site, and the associated UAR reported for the site, was provided to HALLIBURTON NUS by Mr. Chris Tomlin of Horizon Hoist Company and Mr. James Buckner of La Mesa RV Center. The information reviewed was as follows:

- "Abandoned Underground Tank Report" prepared by Mr. Donn Lipera of the HMMD.

- Field notes prepared by Mr. Bob Alm of Alms Services, the underground storage tank removal contractor who removed the four USTs at the site.

- Laboratory data sheets prepared by Quality Assurance Laboratory of San Diego, California.

In addition to the review of this information, HALLIBURTON NUS surveyed the site and conducted informal interviews with a few of the employees at La Mesa RV Center.

Preparation of a Workplan

A "Workplan for Site Assessment and Mitigation" was prepared and submitted to the HMMD and the RWQCB on January 10, 1992 by HALLIBURTON NUS. The plan was prepared after reviewing the above referenced information and the guidelines presented in the HMMD's "Site Assessment and Mitigation Manual". During the meeting with the regulatory representatives on January 10, 1992, comments offered by the regulatory representatives were incorporated into the workplan.

Preparation of a Health and Safety Plan

A "Health and Safety Plan For La Mesa RV Center, La Mesa, California", was prepared by HALLIBURTON NUS prior to the performance of the field activities. Potential health hazards were addressed and action levels for ambient air monitoring in the field were established. These action levels identified situations in which levels of personal health protection are upgraded or field activities are terminated, pending a review of the potential health risks.

The personal protective equipment recommended in the Health and Safety Plan and utilized during field activities included Level D protection consisting of limited dermal protection including hardhats, steel-toed rubber boots, and chemically protective gloves.

FIELD ACTIVITIES/SOIL EXCAVATION

Introduction

Following completion of the pre-field activities, preparations were made to begin the trenching activities at the site during the week of March 9, 1992. Underground Dig Alert was notified of the intent to excavate at the site, with representatives of the various affected utilities visiting the site on Tuesday, March 10, 1992 and Wednesday, March 11, 1992. No commercial utilities were identified in the areas to be excavated, however, a sewer line was identified to the west of the excavation locations.

With concurrence from the HMMD and the RWQCB, and in accordance with the proposed "Workplan", excavation of soil at the site began on Wednesday, March 11, 1992. A copy of the "Workplan is provided in Appendix B. For the ease of presentation and understanding of the progression of the soil excavation field activities, details of the soil assessment and mitigation effort are presented in chronological order.

Completion of Field Activities/Soil Excavation

Wednesday, March 11, 1992. Following a survey of the site by representatives of potentially affected utilities in the area, and confirmation by these representatives as to the location of utilities in the area, removal of concrete and asphalt from the parking lot area adjacent to the west end of the service bays began by mid-morning. This area is identified on the Site Plan, Figure No. 2, as the former fuel tank location. After the asphalt was removed, a trench was excavated in the approximate center of the former UST location. At this time a

PVC water line connecting the service bays was encountered and cut by the backhoe. The existence of the water line was unknown prior to the initiation of the field activities. The water was shut off and the line repaired prior to continuing with the work with the release of approximately 10 gallons of water during the entire event.

The original "Workplan" called for trenching through the center and around the perimeter of each former UST location, however, upon initial excavation of soil from the area of the former location of the fuel UST, it became apparent that soil impacted with petroleum hydrocarbons had been placed back into the excavation following removal of the UST some three years earlier. The first excavation soil sample (LMRV-GES-1) was obtained from the capillary zone at a depth of approximately eight feet Below Ground Surface (BGS) from the center of the former location of the fuel UST. An analysis of the soil sample for total petroleum hydrocarbons (TPH) by an on-site DHS certified mobile laboratory indicated that the soil sample possessed a TPH concentration of 280 milligrams per kilogram (mg/kg) of gasoline and 130 mg/kg of diesel fuel. While only gasoline was reportedly stored in the fuel UST, the presence of diesel fuel suggests that either the fuel UST or the used oil UST had contained diesel fuel at one time.

Since concentrations of TPH exceeding the cleanup level of 100 mg/kg were encountered upon initial excavation of soil at the site, the client was consulted regarding whether he wished to pursue the trenching only or if he wished to removed soil potentially impacted with petroleum hydrocarbons above the cleanup level established for soil at the site. The client opted for soil removal and instructed HALLIBURTON NUS to proceed with soil removal in the area of the former location of the fuel UST.

Thursday, March 12, 1992. Excavation and removal of soil from the area of the former location of the fuel UST resumed in the morning with soil excavated from an area approximately ten foot square by approximately nine feet BGS, approximately one foot below the groundwater surface. Three soil samples were obtained from the north sidewall of the excavation. Soil sample LMRV-GES-2 was obtained at the east end of the north sidewall, from the capillary zone, at a depth of approximately eight feet BGS. Soil sample LMRV-GES-3 was obtained from

the west end of the north sidewall, from the capillary zone, from a depth of approximately eight feet BGS. Soil sample LMRV-GES-4 was obtained from the center of the north sidewall at a depth of approximately 5.5 feet BGS. The spacing between the samples was approximately six feet. An analysis of the three soil samples for TPH indicated that concentrations of TPH were not measured above the detection limit of the laboratory equipment and methods used.

Soil was removed from the excavation to the west end of the service bays with a vertical wall cut flush with the foundation of the building. Further excavation to the east was not possible without undermining the building. Three soil samples were obtained from the east sidewall of the excavation. Soil sample LMRV-GES-5 was obtained from the north end of the east sidewall, approximately five feet south of soil sample LMRV-GES-2 at a depth of approximately 8.5 feet BGS (the capillary zone). Soil sample LMRV-GES-6 was obtained at the south end of the east sidewall, approximately nine feet south of soil sample LMRV-GES-5 at a depth of approximately nine feet BGS (the capillary zone). Soil sample LMRV-GES-7 was obtained from the center of the east sidewall at a depth of approximately 5.5 feet BGS.

An analysis of soil sample LMRV-GES-5 for TPH indicated that concentrations of TPH were not measured above the detection limit of the equipment and methods used. An analysis of soil sample LMRV-GES-6 for TPH indicated a TPH concentration of 920 mg/kg. Odors indicative of oil were detected in the sample, therefore, this soil sample was also analyzed for total recoverable petroleum hydrocarbons (TRPH) using EPA Method 418.1. A review of the laboratory results indicated a TRPH concentration of 27,000 mg/kg. Soil sample LMRV-GES-7 was analyzed for TPH with a concentration of 27 mg/kg detected.

Three soil samples were obtained from the south sidewall of the excavation. Soil sample LMRV-GES-8 was obtained at the east end of the south sidewall, approximately six feet west of soil sample LMRV-GES- 6 at a depth of approximately 8.5 feet BGS (the capillary zone). Soil sample LMRV-GES-9 was obtained from the west end of the south sidewall, approximately six feet west of soil sample LMRV-GES-8, at a depth of approximately 8.5 feet BGS (the

capillary zone). Soil sample LMRV-GES-10 was obtained from the center of the south sidewall at a depth of approximately 6.5 feet BGS.

An analysis of the soil samples indicated that soil sample LMRV-GES-8 possessed a TPH concentration of 470 mg/kg; soil sample LMRV-GES-9 possessed a TPH concentration of 590 mg/kg; and soil sample LMRV-GES-10 did not possess a TPH concentration above the detection limit of the laboratory equipment and methods used.

The excavation was extended to the west several feet where a sewer pipe was encountered running in a north-south direction and bounding the excavation on the west side. The pipe was estimated to be buried at a depth of approximately five to six feet BGS. The existence of the sewer pipe was not identified by the representative of the responsible sewer authority. No further excavation was attempted to the west to avoid causing damage to the pipe.

Three soil samples were obtained from the west sidewall. Soil sample LMRV-GES-11 was obtained from the south end of the west sidewall, approximately six feet north of soil sample LMRV-GES-9, at a depth of approximately 8.5 feet BGS (the capillary zone). Soil sample LMRV-GES-12 was obtained from the north end of the west sidewall, approximately six feet north of soil sample LMRV-GES-11, at a depth of approximately 8.5 feet BGS (the capillary zone). Soil sample LMRV-GES-13 was obtained from the center of the west sidewall at a depth of approximately 6.5 feet BGS.

An analysis of the three soil samples for TPH indicated that soil sample LMRV-GES-11 possessed a TPH concentration of 980 mg/kg; soil sample LMRV-GES-12 possessed a TPH concentration of 140 mg/kg; and soil sample LMRV-GES-13 did not possess TPH at a concentration above the detection limit of the laboratory equipment and methods used.

Soil samples LMRV-GES-11 and LMRV-GES-12 were also analyzed for TRPH by EPA Method 418.1 with 3,300 mg/kg and 450 mg/kg detected, respectively.

The TPH laboratory results are presented on "Table I, Summary of Laboratory Test Results, Fuel Tank Excavation". The TRPH laboratory test results are presented on Table II, Summary of Laboratory Test Results, Fuel Tank Excavation".

The locations of the soil samples are presented on the Site Excavation Plan, Figure No. 3 and on the excavation cross-sections presented on Figure Nos. 4 and 5. The laboratory test results are presented in Appendix C, Excavation Laboratory Results.

Further excavation of soil from the area of the former location of the fuel UST was terminated at this time pending excavation of soil from the area of the former location of the three oil USTs and further analysis of the results obtained from the completed excavation activities.

After stopping any further soil removal from the first excavation at about noon, the excavation contractor moved to the former location of the oil USTs and proceeded to excavate a trench in the center of the former excavation. Within fifteen minutes, it became apparent that soil impacted with petroleum hydrocarbons had been placed into the excavation following the removal of the three 550 gallon tanks some three years earlier. It was decided by the client that soil removal in this area should be performed the same as in the first excavation.

Starting at around noon, soil was removed from the area formerly containing the three oil USTs. The excavation measured approximately ten feet north-south and 20 feet east-west, and extended to a depth of approximately 13 feet BGS. These dimensions appeared to roughly correspond to the dimensions and location of the original excavation created by the tank removal contractor when the tanks were removed. At about 1800 hours the soil removal was stopped pending the results of soil sampling to be performed on Saturday.

Friday, March 13, 1992. The excavation contractor moved the soil from the fuel UST excavation and stockpiled the soil on asphalt at the southwest corner of the property. This stockpile, identified as Soil Stockpile No. 3 on Figure No. 6, Soil Stockpiles, consisted of approximately 100 cubic yards of soil.

Saturday, March 14, 1992. As a result of logistical constraints, the client decided to have the fuel UST excavation backfilled before proceeding with additional excavation activities. The excavation contractor lined the bottom of the excavation with Typar filter fabric and placed three-quarter inch gravel on the filter fabric to a depth of approximately six to seven feet BGS. Typar filter fabric was placed on top of the gravel and the remaining excavation was backfilled to the ground surface with clean imported fill soil.

While backfilling of the fuel UST was being completed, the bottom of the oil UST excavation was being mucked out in preparation for soil sampling. Between thursday night and Saturday morning, groundwater accumulated in the bottom of the excavation and measured a depth of approximately two feet. While the surface of the water was approximately 11 feet BGS, it was apparent that the source of the water was a perched groundwater zone observed on the top of a heavily cemented zone of gravels, cobbles and boulders, encountered at a depth of approximately 6.5 feet BGS. An approximate one foot thick layer of organic soil was observed on top of the cemented zone with water seeping from this organic layer. No water was observed to be flowing from anywhere in the cemented layer.

Following removal of soil that had sloughed into the excavation, three-quarter inch gravel was placed into the excavation to a depth of approximately ten feet BGS to prevent any further sloughing of soil into the water.

The collection of soil samples started on the north sidewall with soil sample LMRV-OES-1 obtained from the east end of the north sidewall, approximately six feet west of the east end of the excavation, at a depth of approximately eight feet BGS, the depth estimated to be the capillary zone from the work performed in the previous excavation. In this excavation, however, this depth was approximately 1.5 feet below the surface of the cemented zone, and no water was observed in this area. Collection of the soil samples from the cemented layer was extremely difficult as penetration with any mechanical means met with great resistance.

Soil sample LMRV-OES-2 was obtained from the center of the east sidewall, approximately five feet south of soil sample LMRV-OES-1, at a depth of approximately eight feet BGS, from the cemented layer. Two soil samples were obtained from the south sidewall, both at a depth of approximately eight feet BGS, from the cemented layer. Soil sample LMRV-OES-3 was obtained approximately six feet west of soil sample LMRV-OES-2 and soil sample LMRV-OES-4 was obtained approximately thirteen feet west of soil sample LMRV-OES-3.

Analysis of these four soil samples for TRPH using EPA Method 418.1 indicated that these soil samples did not possess TRPH concentrations above the detection limit for the laboratory equipment and methods used. These results were not unexpected due to the high degree of cementation observed in this layer.

Based on observations of the excavation, such as groundwater seeping along the horizontal surface of the cemented zone, and a review of the laboratory data it became evident that the organic layer on the horizontal surface (contact) of the cemented zone was the likely location to observe the potential worst case impact created by the petroleum hydrocarbons in the area of this excavation. Some organic soil was observed in the north sidewall at a depth ranging from four to 6.5 feet, with a concentration of organic material observed between 5.5 and 6.5 feet. Soil sample LMRV-OES-5 was obtained from the north sidewall at a depth of approximately five feet BGS, directly above soil sample LMRV-OES-1. An analysis of this sample for TRPH indicated a concentration of 15 mg/kg. Soil sample LMRV-OES-6 was obtained between soil samples LMRV-OES-1 and LMRV-OES-5, at a depth of slightly more than six feet BGS. This soil sample was obtained from the organic layer, directly on top of the cemented layer. An analysis of this soil sample indicated a TRPH concentration of 8,200 mg/kg, supporting the hypothesis that the petroleum hydrocarbons had flowed along the upper surface of the cemented layer.

Following confirmation of the presence of petroleum hydrocarbons on the surface of the cemented layer, soil sample LMRV-OES-7 was obtained from the center of the east sidewall at a depth of slightly more than 5.5 feet BGS. An analysis of this sample indicated that the sample

did not possess concentrations TRPH above the detection limit of the laboratory equipment or methods used.

Soil samples LMRV-OES-8 and LMRV-OES-9 were obtained from the south sidewall at depth of approximately 5.5 feet BGS, from the organic layer on top of the cemented layer. Soil sample LMRV-OES-8 was obtained from a location directly above the location of soil sample LMRV-OES-3 and soil sample LMRV-OES-9 was obtained from an area directly above soil sample LMRV-OES-4. An analysis of the two soil samples indicated that soil sample LMRV-OES-8 did not possess concentrations of TRPH above the detection limit for the laboratory equipment and methods used and that soil sample LMRV-OES-9 possessed a TRPH concentration of 260 mg/kg.

At this time the excavation was extended around the corner of the service bays in the direction of the former location of the fuel UST. It appeared that the petroleum hydrocarbon impact extended to the south end of the previous excavation, therefore it was decided to connect the oil UST excavation with the now backfilled fuel UST location. Figure No. 3, Site Excavation Plan depicts the locations of the excavations and the connection that was made between the two.

From observations made during the collection and analysis of the soil samples, it was decided to remove the overburden soil from between the two excavations to a depth of approximately five feet and treat the soil as potentially clean. This approximate 80 cubic yards of soil was transported to the southwestern corner of the property and placed into a stockpile designated Soil Stockpile No. 2. The location of the stockpile is presented on the Stockpile Location Map, Figure No. 6. Following removal of the overburden soil, potentially impacted soil was removed to a depth of approximately 10 feet BGS. This soil was placed, along with soil from the oil UST location, on a stockpile located at the southwestern corner of the property. The total volume of this stockpile, designated Soil Stockpile No. 4 was estimated to be approximately 200 cubic yards.

Following removal of the soil to below the depth of the groundwater, soil sample LMRV-OES-10 was obtained from the east sidewall, approximately eight feet BGS, directly beneath the foundation of the service bays. An analysis of this soil sample indicated a TRPH concentration of 15,600 mg/kg. Further excavation in this direction was not possible at this time without undermining the service bay structure.

Soil sample LMRV-OES-11 was obtained from the west sidewall at a location approximately across from the location of soil sample LMRV-OES-10. The soil sample was obtained from a depth of approximately eight feet BGS (the capillary zone). An analysis of the sample indicated a TRPH concentration of 16,000 mg/kg.

Soil sample LMRV-OES-12 was obtained from the west sidewall, approximately nine feet west of soil sample LMRV-OES-9, at a depth of approximately eight feet (the capillary zone). An analysis of this sample indicated a TRPH concentration of 18,000 mg/kg.

Soil sample LMRV-OES-13 was obtained from the west sidewall, approximately nine feet north of soil sample LMRV-OES- 12, at a depth of approximately eight feet BGS (the capillary zone). An analysis of this soil sample indicated a TRPH concentration of 23,000 mg/kg.

Further excavation to the west was not attempted at this time due to the presence of a sewer pipeline.

The last excavating to be performed at the site in this phase was completed on the north sidewall of the oil UST excavation. Approximately three feet of the sidewall was removed in an attempt to estimate the possible extent of the TRPH impact on the surface of the cemented layer in that area. Soil sample LMRV-OES-14 was obtained from the north sidewall, approximately six feet east of the corner of the service bay structure, at a depth of approximately six feet. An analysis of this sample indicated a TRPH concentration of 8,000 mg/kg, relatively consistent with the concentration observed in soil sample LMRV-OES-6, previously obtained from this sidewall.

Soil sample LMRV-OES-15 was obtained from the north sidewall, approximately six feet east of soil sample LMRV-OES-14, from a depth of approximately six feet BGS. An analysis of this soil sample indicated a TRPH concentration of 7,700 mg/kg.

Further excavation in the direction of the service bays was not attempted at this time due to the risk of undermining the structure.

The TRPH laboratory results are presented on "Table III, Summary of Laboratory Test Results, Oil Tank Excavation".

The locations of the soil samples are presented on the Site Excavation Plan, Figure No. 3 and on the excavation cross-sections presented on Figure Nos. 4 and 5. The laboratory test results are presented in Appendix C, Excavation Laboratory Results.

Sunday, March 15, 1992. After completing the excavation and soil sampling activities at approximately 2130 hours the night before, the client opted to have the oil UST excavation backfilled to the ground surface with gravel and clean fill soil and pave the excavations at the surface with asphaltic concrete. The excavation contractor placed gravel to a depth of approximately eight to ten feet BGS and placed Typar filter fabric on top of the gravel. Clean fill soil was then placed and compacted into the excavation and the entire excavated area was paved over with asphaltic concrete. These services were completed by the end of the day with normal operations resuming at the facility the following day.

SUMMARY OF FIELD ACTIVITIES AND LABORATORY RESULTS

Soil Excavation

Overburden and hydrocarbon impacted soil was removed at the site from March 11, 1992 through March 15, 1992. Pre-excavation plans were to excavate trench through the center and around the perimeter of each former UST location, however, conditions encountered at the site necessitated the excavation and removal of soil from each of the former UST locations. The presence of the service bay structure and a sewer pipeline limited the extent to which soil could be excavated. In general, where possible, soil was removed until TPH or TRPH concentrations below the cleanup level were encountered.

Soil samples obtained from the north sidewall of the former location of the fuel UST indicate that the extent of the hydrocarbon impact to the soil in that direction had been reached during the excavation activities. Soil samples obtained from the east and south sidewall of the former location of the oil USTs indicates that in general the excavation approached the limit of the hydrocarbon impact in those directions.

Soil samples obtained from the east excavation sidewall along the service bay structure and along the north excavation sidewall of the former location of the oil USTs indicate that both TPH and TRPH concentrations above the cleanup level exist under the corner of the service bay structure. The zone of this impact appears to be generally limited to the capillary zone, a thickness of approximately one foot on the east sidewall and to a zone approximately one half to one foot thick on top of the cemented layer, at a depth of approximately 5.5 to 6.5 feet BGS. The dip of the cemented layer trends in the area of the former oil USTs towards the northwest, in the direction of the former location of the fuel UST.

Soil samples obtained from the west sidewall of both excavations indicate that both TPH and TRPH concentrations in the capillary fringe along that sidewall exceed the cleanup level established for the site. Additional excavation in that direction would have been performed a had a sewer pipeline not bounded the excavation on that side.

Both excavations were backfilled with gravel, Typar filter fabric, and clean import soil. Following completion of the backfilling, the entire excavation area was paved with asphaltic concrete.

Stockpile Disposition

During May 1988, four underground storage tanks (USTs) were excavated and removed from the subject site. Excavation work performed by the contractor generated a soil stockpile of approximately 30 cubic yard capacity from the former gasoline UST location. This soil was stockpiled on-site in the southwest corner of the property. This stockpile was designated as Soil Stockpile #1.

During the performance of the soil assessment and mitigation activities by HALLIBURTON NUS, three soil stockpiles were generated as the result of the excavation of soil from the former fuel tank excavation, a former used and new oil tank excavation (originally containing three tanks), and the area between the two tanks excavations. The approximately 80 cubic yards of soil excavated from the vadose zone between the two former UST locations was identified as Soil Stockpile No. 2. Approximately 100 cubic yards of soil excavated from the former fuel UST location is identified as Soil Stockpile No. 3. Soil Stockpile No. 4, comprising approximately 200 cubic yards of soil was generated from the excavation of soil from the former used and new oil UST location. The soil stockpiled at the site was placed on an asphalt surface and covered with visqueen pending its disposal following regulatory guidelines. The approximate location of the soil stockpiles is depicted on the Stockpile Location Map, Figure 6.

On March 24, 1992, HALLIBURTON NUS personnel obtained 19 soil samples from the four soil stockpiles. The soil samples were randomly selected from the stockpiles following the soil sampling protocol as outlined in the County of San Diego 1992 SA/M Manual, Soil Sampling, Section 3, pages 3 through 7. Three soil samples were obtained from Stockpile No. 1, containing approximately 20 cubic yards of soil (see Figure 6). Four soil samples were obtained from Soil Stockpile No. 2, containing approximately 80 cubic yards of soil and four soil samples were obtained from Soil Stockpile No. 3, containing approximately 100 cubic yards of soil (see Figure No. 6). Eight soil samples were obtained from Soil Stockpile No. 4, containing approximately 200 cubic yards of soil (see Figure No. 6). The soil samples were obtained using an Alconox washed and tap water rinsed stainless steel hand auger, placed in laboratory supplied glassware, and delivered to an on-site California certified mobile laboratory.

Review of laboratory analyses. The soil samples from Soil Stockpile No. 1 were analyzed for total petroleum hydrocarbons (TPH) by the DHS Method. A review of the results indicates that all three samples did not possess TPH concentrations above the laboratory detection limit of 10 milligrams/kilogram (mg/kg). The soil samples from Soil Stockpile No. 2 were analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1 A review of the laboratory results for these samples indicated TRPH concentrations of 156 mg/kg, 82 mg/kg, 73 mg/kg, and 312 mg/kg. The soil samples from Soil Stockpile No. 3 were analyzed for TPH by the DHS Method. A review of the laboratory results indicated that three of the samples possessed TPH concentrations of less than the laboratory detection limit of 10 mg/kg while one sample possessed a TPH concentration of 153.2 mg/kg. The sample possessing the TPH concentration of 153.2 mg/kg was analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE). A review of the laboratory results indicates concentrations of BTXE of 1.190 mg/kg, .410 mg/kg, 1.390 mg/kg, and 1.180 mg/kg, respectively (EPA Method 8020, modified for DHS).

The soil samples from Soil Stockpile No. 4 were analyzed for TRPH by EPA Method 418.1. A review of the laboratory results indicates TRPH concentrations ranging from 156 mg/kg to 24,700 mg/kg. The soil sample possessing a TRPH concentration of 24,700 mg/kg was

analyzed for Title 22 Metals, purgeable halocarbons (EPA Method 8010), total PCBs (EPA Method 8080), cyanide, and flashpoint. For potential disposal purposes, an additional soil sample was obtained on March 31, 1992 from the location of the highest measured TRPH concentration. This sample was analyzed for pH and sulfide. Copies of the laboratory data sheets are provided in Appendix D.

Please note that in addition to the analyses performed on the soil stockpile samples, one soil sample from the gasoline tank excavation was analyzed for BTXE and organic lead. This sample, possessing the highest measured TPH concentration of the soil samples analyzed from the excavation or the stockpiles, possessed a TPH concentration of 980 mg/kg. A review of the laboratory results indicates BTE concentrations of less than the laboratory detection limit of 1.0 ug/kg and a xylene concentration of 585 ug/kg. The organic lead concentration was less than the laboratory detection limit of 0.5 mg/kg (DHS Method). Copies of these laboratory data sheets are provided in Appendix D.

The TRPH laboratory data for the soil stockpiles is provided on Table IV, Summary of Laboratory Test Results, Soil Stockpile. BTXE laboratory results for a soil sample from the fuel tank excavation and from Soil Stockpile No. 2 are provided on Table V, Summary of Laboratory Test Results, Fuel Tank Excavation and soil Stockpile. Laboratory test results for Title 22 metals on a soil stockpile sample are presented on Table VI, Summary of Laboratory Test Results, Soil Stockpile. Miscellaneous laboratory tests required for soil disposal are presented on Table VII, Summary of Laboratory Test Results, Soil Stockpile.

Stockpile statistics. Statistical analysis performed on the three soil stockpiles indicated that Stockpile Nos. 1, 2, and 3 were suitable for disposal at a Class III Landfill while Stockpile No. 4 was not suitable for Class III Landfill disposal.

Based on the results of the analysis of the soil samples obtained from the four soil stockpiles located on the subject site, La Mesa RV Center requested Hazardous Materials Management Division (HMMD) and Regional Water Quality Control Board (RWQCB) approval for the

disposal of Soil Stockpile Nos. 1, 2, and 3, totaling an estimated 200 cubic yards, at the County of San Diego Class III Landfill at Sycamore Canyon. A "Request for Class III Landfill Disposal of Hydrocarbon Contaminated Soil for 7601 Alvarado Road, La Mesa, California" was prepared and submitted to the HMMD and RWQCB on April 27, 1992.

Following an extended period of time in which La Mesa RV Center waited for permission to dispose of the three soil stockpiles at the Sycamore Canyon Class III Landfill, La Mesa RV Center elected to transport all four soil stockpiles to the Class II Landfill located at the Southwest Disposal facility in Somerton, Arizona. On May 25, 1992, the soil in all four stockpiles was transported and recycled at the Southwest Disposal facility. Copies of the Non-hazardous Waste Data Forms and the receipts for disposal are provided in Appendix E.

SITE GEOLOGY AND HYDROGEOLOGY

Geology

The subject site is located in Mission Valley, adjacent to Alvarado Creek. Located at an elevation of approximately 430 feet mean sea level (MSL), the site has been mapped in "Bulletin 200, Geology of the San Diego Area, California" as consisting of soils of the Poway Group, specifically the Stadium Conglomerate Formation. This formation, consisting mostly of non-marine sandstone and coarse cobble conglomerate is characterized by a cobble conglomerate with a dark yellowish brown coarse-grained sandstone matrix. Dispersed lenses of fossiliferous crossbedded sandstone are present as is general cementation of the soil matrix.

Soil encountered during the performance of the assessment and mitigation effort generally consisted of three to five of feet soils ranging from sandy to clayey in character. In the area of the former location of the oil USTs, this soil was underlain by organic soils possessing a silty fine sand matrix. This organic layer was observed to contain visible pieces of decomposed stems and leaves. This organic layer, generally one foot in thickness was underlain by heavily cemented gravels, cobbles, and boulders. Their appeared to be a general dip of the cemented

layer in a northwesterly direction. The cemented layer was generally encountered at a depth of approximately 6.5 feet BGS and extended to the maximum depth explored, approximately 13 feet BGS.

The area between the two excavations was characterized by what appeared to be a bisection of the previously described soil layers. Erosion of the formational material appeared to occur in an east-west trending direction, the general direction of flow of Alvarado Creek. The channel created by the erosion of the formational materials was then apparently filled with unconsolidated alluvial material consisting generally of coarse sand, gravel, cobbles, and boulders. This material was present from a depth of approximately five feet BGS to the maximum depth explored, approximately ten feet BGS.

The area of the former location of the fuel UST was characterized by a continuation of the channel and unconsolidated material observed in the areas between the two excavations.

The soils discussed in this report are depicted on the profiles of the locations of the soil samples. These profiles are provided on Cross-Sections (A-A' and B-B'), Figure No. 4; and on Cross-Sections (C-C' and D-D'), Figure No. 5.

Hydrogeology

A review of the "Comprehensive Water Quality Control Plan, Basin 9", indicates that the subject site is located in the Lower Sweetwater hydrographic subunit of the San Diego hydrographic unit. This RWQCB document dated 1975, designates the groundwater in this area as having beneficial uses for municipal and domestic supply, agricultural supply, and industrial uses. Potentially beneficial uses of this water are for industrial process water and for groundwater recharge.

General cleanup levels for soil and groundwater in beneficial groundwater use areas have been established by the RWQCB. The cleanup level for TPH in soil is generally 100 mg/kg, and 1.0

ug/l for benzene in groundwater. While these are general guidelines, each case is site specific and other levels may be established by the RWQCB.

Groundwater was generally encountered in the area of the former location of the oil USTs in a perched condition, generally seeping along the surface of the cemented layer. Groundwater was not generally observed in the cemented layer.

Groundwater in the area of the former location of the fuel UST was encountered at a depth of approximately 8.5 to 9 feet BGS. The capillary zone was generally observed at a depth ranging between 8 and 9 feet BGS. Soil of the capillary zone was generally characterized by unconsolidated materials consisting of coarse sands, gravel, cobbles, and scattered boulders.

Groundwater level measurements suggesting a general groundwater flow could not be estimated with the available data; however a general flow of groundwater to the northwest towards Alvarado Creek would be anticipated. The presence on cemented conglomerate material and the observation of groundwater at different depths would suggest the area of the site generally possesses areas of perched groundwater at different depths.

CONCLUSIONS

1. Soil and groundwater at the site was impacted by the release of petroleum hydrocarbons (gasoline, diesel, and new and used oil) on the site. Vadose and capillary zone soils were impacted as the hydrocarbons migrated vertically until they reached the groundwater surface. Soil impacted with petroleum hydrocarbons remain beneath the service bays and to the capillary soils to the west of the excavation.

2. Soil possessing TPH and TRPH concentrations above the cleanup level of 100 mg/kg were encountered and removed at the site with the exception of the two areas mentioned in item No. 1. The remaining volume of hydrocarbon impacted soil in these areas is unknown at this time.

3. Groundwater in the area of the excavations appears to have been impacted with petroleum hydrocarbons. The degree of this impact is unknown at this time.

4. Soil totaling approximately 400 cubic yards was excavated and stockpile on-site. Following regulatory protocol, the soil was statistically characterized and eventually transported off-site under non-hazardous waste data forms to the Southwest Disposal facility in Somerton, Arizona. The soils are reportedly being landfarmed and recycled.

5. The excavations created during the soil assessment and mitigation activities were backfilled with gravel and clean fill and paved over at the ground surface with asphaltic concrete.

RECOMMENDATIONS

1. Conduct a meeting with the appropriate regulatory representatives and discuss the results of the mitigation effort and additional work required at the site to complete the mitigation effort. Prepare and present a workplan to regulatory specialists that details the remaining services to be performed.

2. Perform an additional assessment of the extent of petroleum hydrocarbon impact to the soil and the groundwater at the site. This assessment would likely consist of the excavation of backhoe pits and the collection of soil samples to the west of the previously performed excavation activities. In general, this type of soil sampling will be necessary as a result of the cemented soil conditions and the presence of the hydrocarbon impact in a fairly thin capillary zone. Groundwater samples will likely be obtained through the installation of shallow temporary groundwater monitoring wells. The type of drillrig used to advance these wells must be capable of penetrating difficult soils comprised of cemented gravels, cobbles, and boulders.

3. Soil and groundwater samples should be analyzed for TPH, BTXE, and TRPH.

4. Prepare a final report summarizing the results of the additional assessment services performed following the submission of this report, as appropriate.

REPORT LIMITATIONS

This interim report has been prepared for the use of the La Mesa RV Center and for review by Mr. James Munch of the San Diego Regional Water Quality Control Board and Mr. Lars Skinner of the San Diego County Hazardous Materials Management Division.

The client should recognize that the assessment and mitigation effort including soil excavation and limited sampling and laboratory testing described in this report should not be interpreted as a characterization and statistical evaluation of the entire site but is intended to provide confirmation of the effort to assess and mitigate the hydrocarbon impact to the soil at the site created by the release of petroleum hydrocarbons from the USTs formerly located on the site. The assessment and mitigation of hydrocarbon impacts in the area of the former location of the USTs does not preclude the possibility of the presence of hazardous materials in other areas of the site.

The information obtained in assessing and mitigating the hydrocarbon impacts at the site can vary at different times and different locations and the interpolation or extrapolation of such data results in some degree of uncertainty. Additionally, the client should recognize that regulatory agencies possess the final authority relative to site closures and may require the performance of additional services beyond those proposed or performed and described in this report.

Therefore, the conclusions and recommendations presented in this report should only be considered conclusive with respect to the information contained herein. No guarantee of the results presented in this report is implied or intended. All services performed were conducted in accordance with the local standard of care in the geographic region at the time the services were rendered.

APPENDIX C

EXCAVATION LABORATORY DATA

MOBILE ONE LABORATORIES INC.

REPORT SUMMARY

To: Halliburton NUS, Dave Eminhizer

Project: 2N60

Location: La Mesa RV Center
7601 Alvarado Rd., La Mesa, CA

TOTAL PETROLEUM HYDROCARBONS ANALYSIS
(CA DOHS Method)

Date Received: March 12, 1992
Date Extracted/Analyzed: March 12, 1992
Analyst: R. Johnson

Sample Matrix: soil

Field Number	Amount Found (mg/kg)		Detection Limit (mg/kg)	Carbon Range
LMRV-GES-1	280	gasoline	10	C_6 - C_{12}
	130	diesel	10	C_{12} - C_{22}
LMRV-GES-2	nd		10	
LMRV-GES-3	nd		10	
LMRV-GES-4	nd		10	
LMRV-GES-5	nd		10	
LMRV-GES-6	920	gasoline	10	C_6 - C_{12}
LMRV-GES-7	27	gasoline	10	

HN4RPT

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE/ONE
LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

TPH analysis continued

Field Number	Amount Found (mg/kg)		Detection Limit (mg/kg)	Carbon Range
LMRV-GES-8	470	gasoline	10	C_6 - C_{12}
LMRV-GES-9	590	gasoline	10	C_6 - C_{12}
	170	diesel	10	C_{14} - C_{20}
LMRV-GES-10	nd		10	
LMRV-GES-11	980	gasoline	10	C_6 - C_{12}
LMRV-GES-12	140	gasoline	10	C_6 - C_{12}
LMRV-GES-13	nd		10	

J Pick 3/25/92
Reviewed by: J. Picker/date
HN4RPT

nd = not found above the detection limit

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE ONE LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

418.1 ANALYSIS

Date Received:	March 12, 1992
Date Extracted/Analyzed:	March 13, 1992
Analyst:	R. Johnson
Sample Matrix:	soil

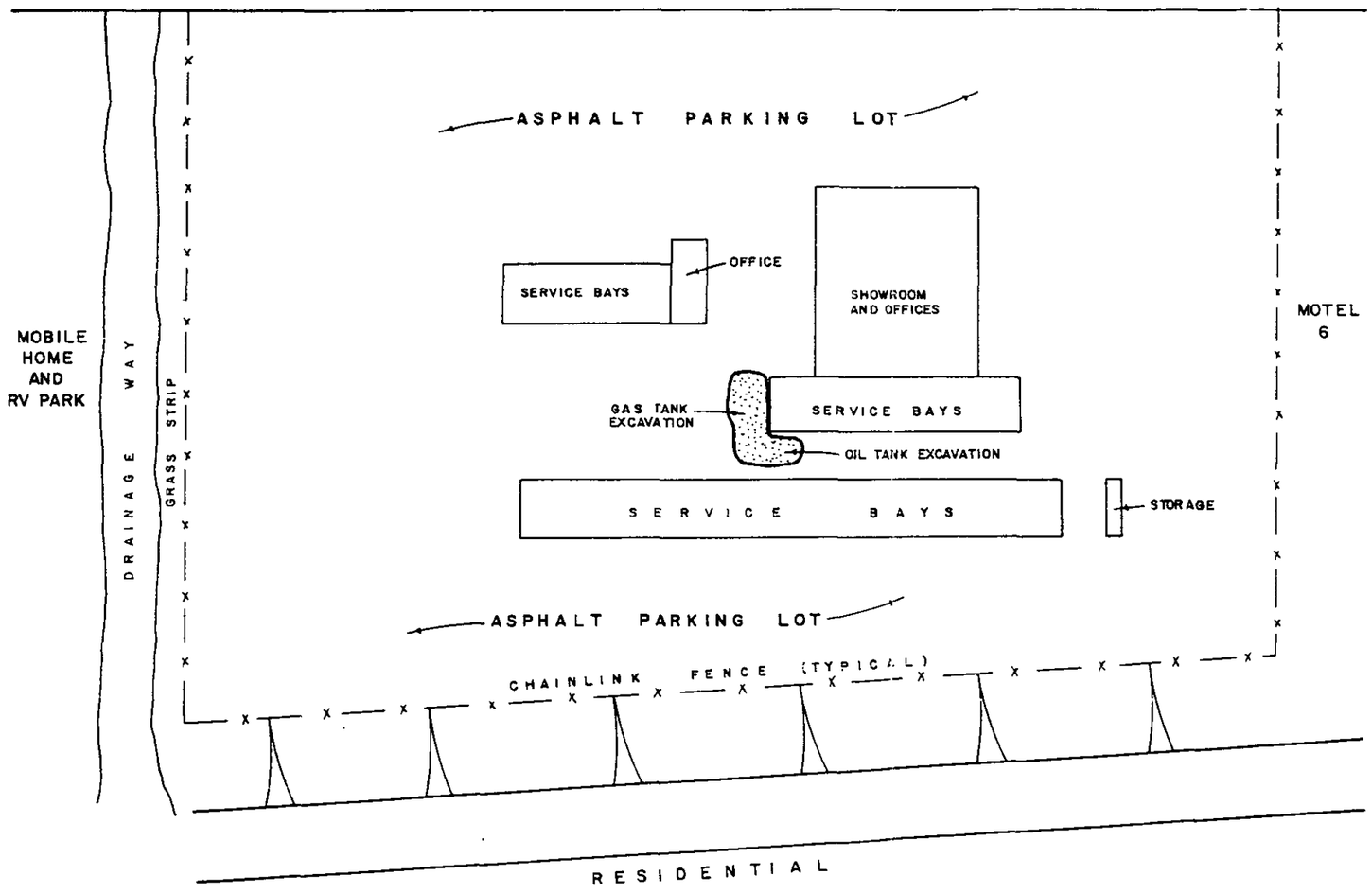
Field Number	Amount Found (mg/kg)	Detection Limit (mg/kg)
LMRV-GES-6	27,000	10
LMRV-GES-11	3,300	10
LMRV-GES-12	450	10

J Picker 3/25/92

Reviewed by: J. Picker/date
HN4RPT

nd = not found above the detection limit

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233



SCALE: 1" = 80'

NOTE MEASUREMENTS ARE APPROXIMATE

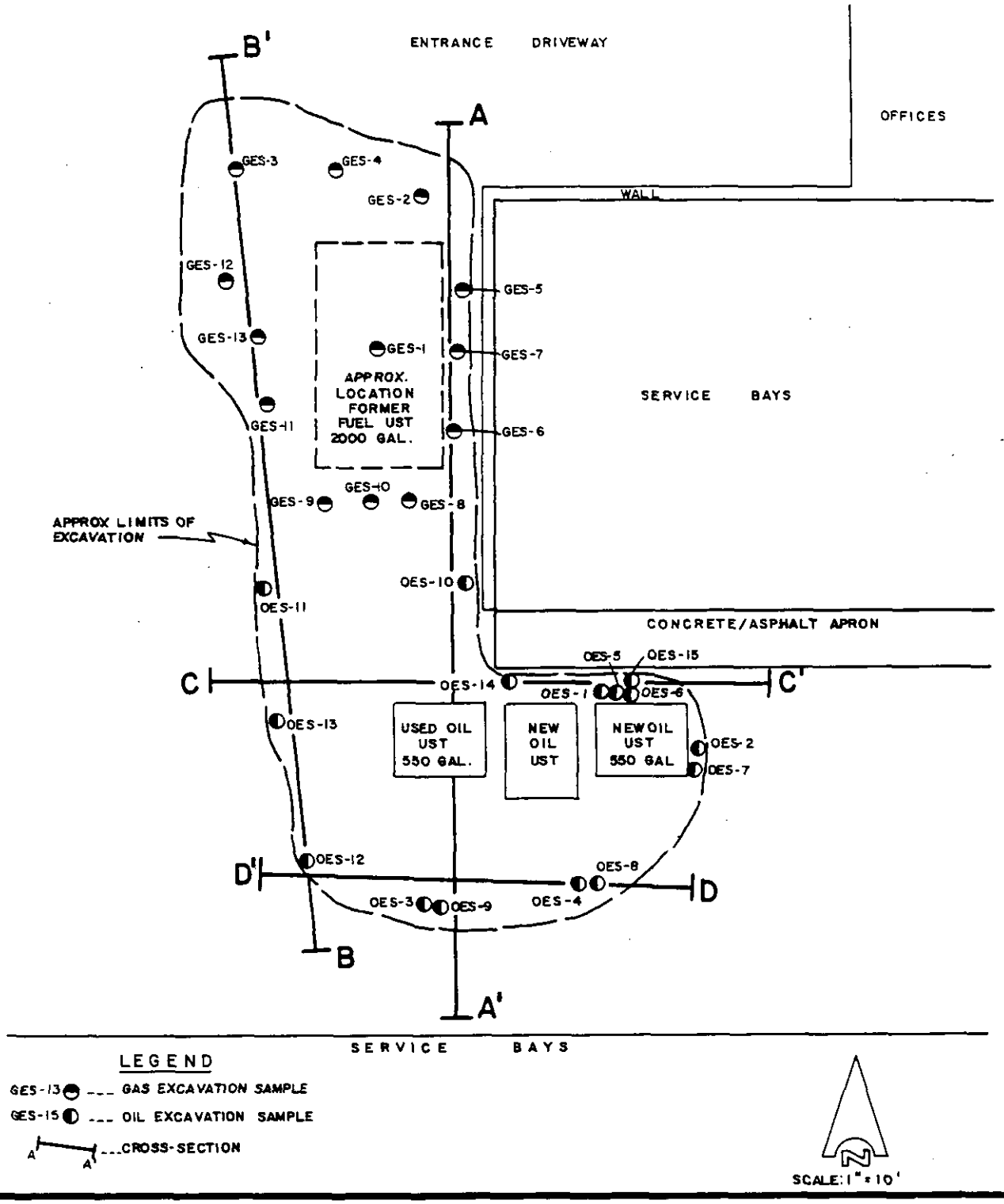
SITE PLAN

LA MESA RV CENTER
LA MESA, CALIF.

PROJECT NO. 2N60
AUGUST 1992 | FIG. NO. 2

HALLIBURTON NUS
Environmental Corporation
16885 WEST BERNARDO DRIVE
SUITE 100
SAN DIEGO, CALIFORNIA 92127

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 3



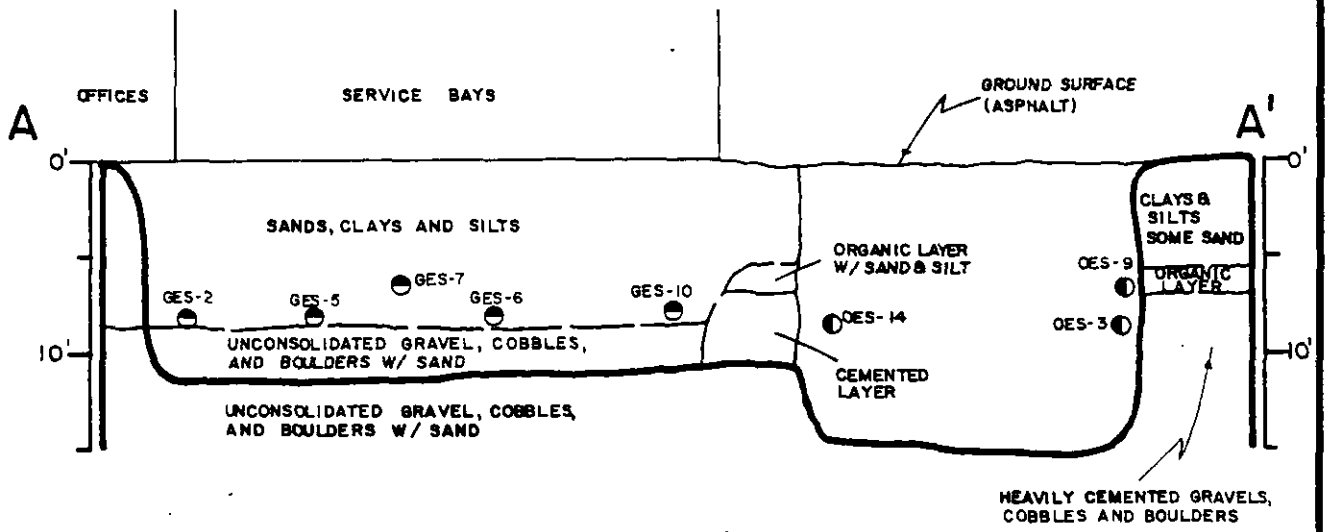
SITE EXCAVATION PLAN

LA MESA RV CENTER

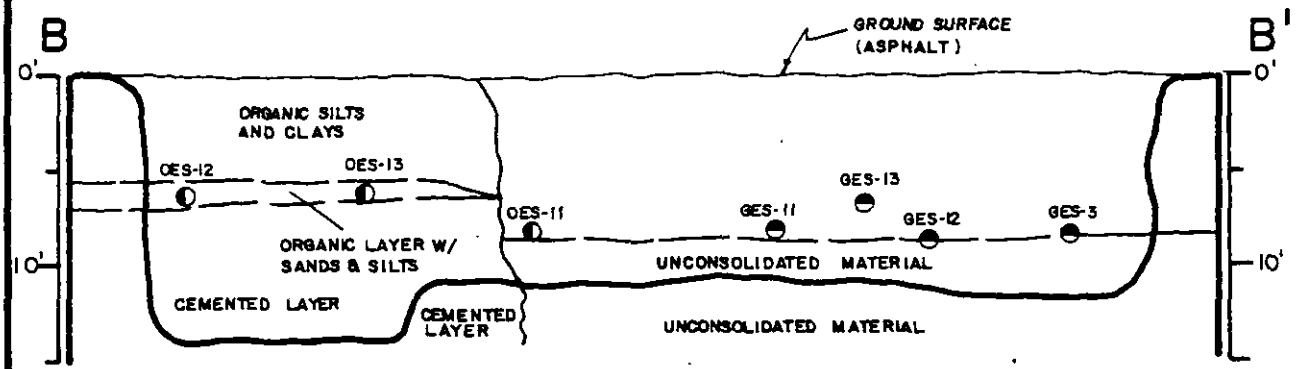
LA MESA, CALIF

HALLIBURTON NUS

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 4



CROSS-SECTION A-A'
(VIEW LOOKING EAST)



CROSS-SECTION B-B'
(VIEW LOOKING WEST)

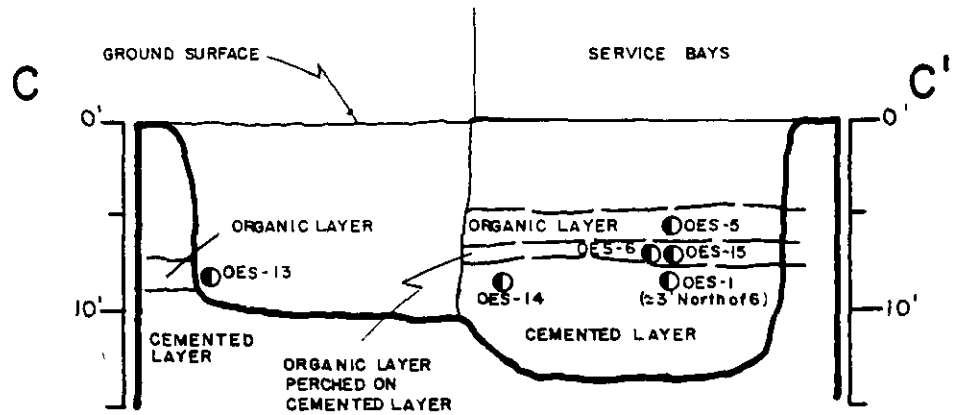
FOR LEGEND SEE FIGURE 3

SCALE: 1" = 10' (HORIZ. = VERT.)

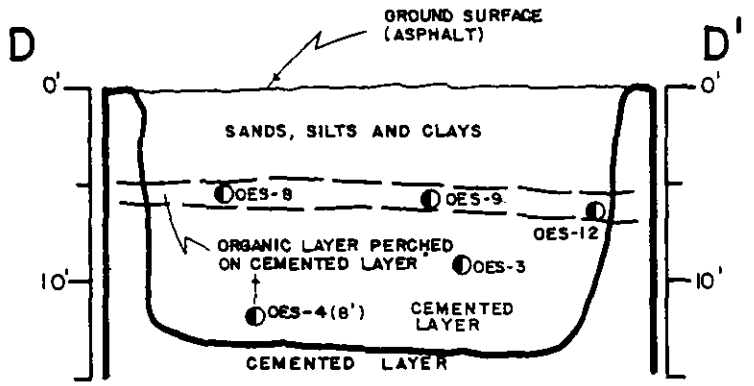
LA MESA RV CENTER
LA MESA, CALIF.

HALLIBURTON NUS

DATE AUGUST 1992	PROJECT NO. 2N60	FIGURE NO. 5



CROSS-SECTION C-C'
(VIEW LOOKING NORTH)



CROSS-SECTION D-D'
(VIEW LOOKING SOUTH)

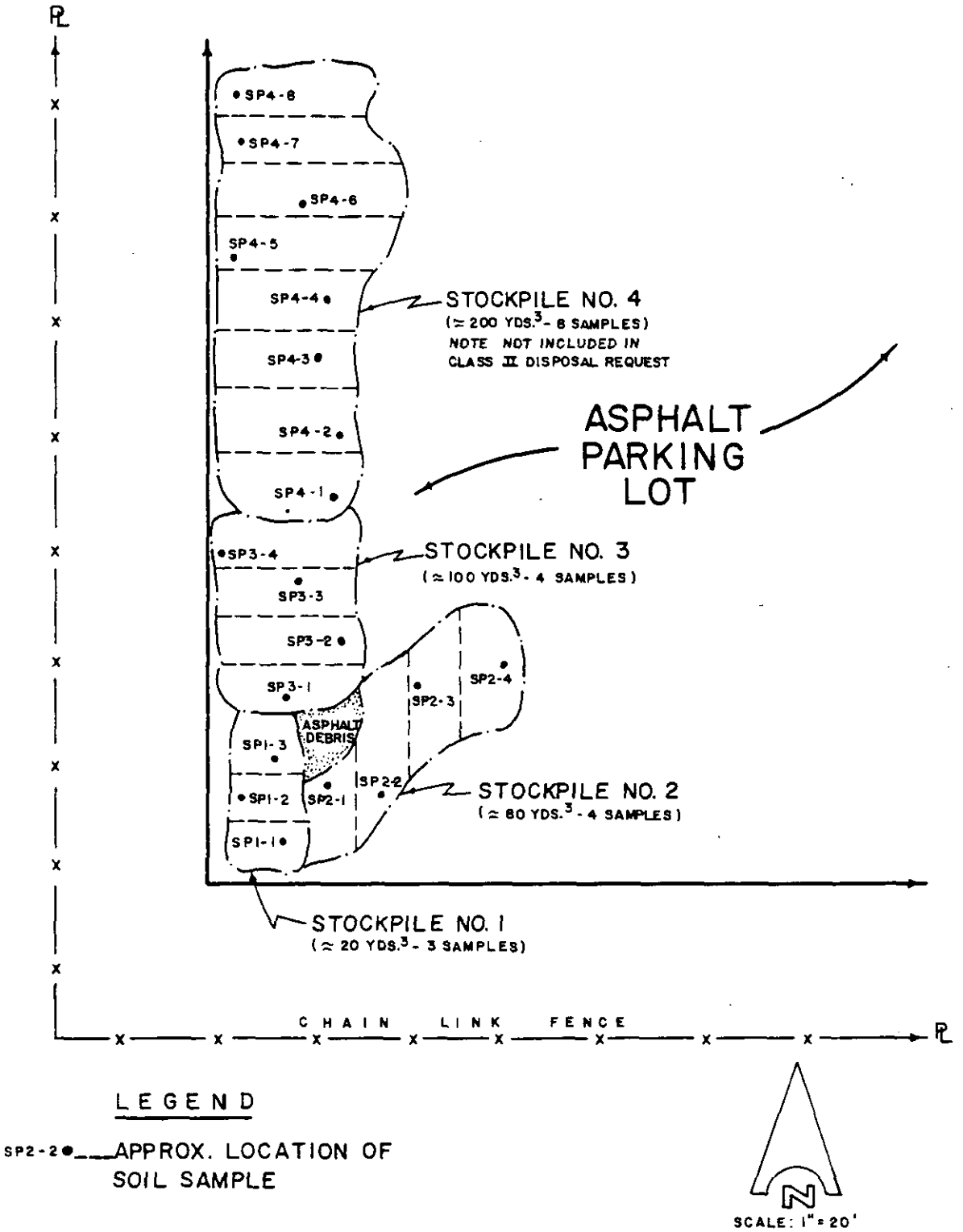
FOR LEGEND SEE FIGURE 3

SCALE: 1" = 10' (HORIZ.=VERT.)

LA MESA RV CENTER

LA MESA, CALIF.

DATE: APRIL 1992 (REV. 1.)	PROJECT NO. 2N60	FIGURE NO. 6



STOCKPILE LOCATION MAP

LA MESA RV CENTER

LA MESA, CALIF.

HALLIBURTON NUS

TABLE I

SUMMARY OF LABORATORY TEST RESULTS
Fuel Tank Excavation
(DHS-TPH Method)

SAMPLE IDENTIFICATION	DEPTH (BGS)[1]	GASOLINE (MG/KG[2])	DIESEL (MG/KG)
LMRV-GES-1	8	280	130
LMRV-GES-2	8	< 10[3] ?	< 10
LMRV-GES-3	8	< 10	< 10
LMRV-GES-4	5	< 10	< 10
LMRV-GES-5	8	< 10	< 10
LMRV-GES-6	9	920	< 10
LMRV-GES-7	5.5	27	< 10
LMRV-GES-8	8.5	470	< 10
LMRV-GES-9	8.5	590	170
LMRV-GES-10	6.5	< 10	< 10
LMRV-GES-11	8.5	980	< 10
LMRV-GES-12	8.5	140	< 10
LMRV-GES-13	6.5	< 10	< 10

TRPH
27,000
3,300
450

1 BGS - Feet Below Ground Surface
2 MG/KG - Milligrams per kilogram
3 < 10 - Concentration not found above the detection limit

Note: < 10 represents equipment/procedure detection limits.

II, III?

TABLE IV

SUMMARY OF LABORATORY TEST RESULTS
Soil Stockpile
(Test Method EPA 418.1)

SAMPLE IDENTIFICATION	DEPTH (BGS[1])	CONCENTRATION (MG/KG[2])	DF[3]
LMRV-SP1-1	2.0	< 10[4]	
LMRV-SP1-2	2.5	< 10	
LMRV-SP1-3	2.5	< 10	
LMRV-SP2-1	2.5	156	
LMRV-SP2-2	2.0	82	
LMRV-SP2-3	2.0	73	
LMRV-SP2-4	1.5	312	
LMRV-SP3-1	1.5	< 10	
LMRV-SP3-2	3.5	< 10	
LMRV-SP3-3	3.0	< 10	
LMRV-SP3-4	2.0	153.2	
LMRV-SP4-1	1.5	2,360	25
LMRV-SP4-2	5.0	4,580	50
LMRV-SP4-3	3.0	2,150	25
LMRV-SP4-4	5.0	2,570	25
LMRV-SP4-5	5.0	4,580	50
LMRV-SP4-6	5.0	1,840	25
LMRV-SP4-7	1.5	24,700	500
LMRV-SP4-8	1.5	156	

1 BGS - Feet Below Ground Surface
2 MG/KG - Milligrams per Kilograms
3 DF - Dilution Factor. The detection limits and analyses results were corrected accordingly.
4 < 10 - Concentration not found above the detection limit

Note: < 10 represents equipment/procedure detection limits.

TABLE V

SUMMARY OF LABORATORY TEST RESULTS
Fuel Tank Excavation and Soil Stockpile
(EPA Test Method 8020)

TARGET COMPOUND	UNITS	SAMPLE[1] LMRV-GES-11	SAMPLE[2] LMRV-SP3-4
BENZENE	ug/kg	<1.0[3]	1,190
TOLUENE	ug/kg	<1.0	410
ETHYLBENZENE	ug/kg	<1.0	1,390
XYLENE	ug/kg	585	1,800
ORG. LEAD[4]	MG/KG	<0.5	N/A

1 Dilution Factor for 8020 analysis method was 10, and the analyses results were corrected accordingly

2 Dilution Factor for 8020 analysis method was 50, and the analyses results were corrected accordingly

3 <1.0 - Concentration not found above the detection limit

4 DHS Analysis Method was utilized - Recommended procedure from "Leaking Underground Fuel Tank Field Manual, May 1988.

N/A Not Analyzed

Note: <1.0 represents equipment/procedure detection limits.

TABLE VI

SUMMARY OF LABORATORY TEST RESULTS
Soil Stockpile Sample LMRV-SP4-7
CCR Title 22 Metals (TTLC)

ANALYSIS	LMRV-SP4-7 (MG/KG[1])
Antimony	<2.50[2]
Arsenic	5.45
Barium	42.9
Beryllium	0.151
Cadmium	<0.400
Chromium	7.30
Cobalt	2.91
Copper	8.47
Lead	26.7
Mercury[3]	<0.050
Molybdenum	0.644
Nickel	1.78
Selenium	<2.50
Silver	<0.200
Thallium	<2.5
Vanadium	33.3
Zinc	52.8

1 MG/KG - Milligrams per Kilogram

2 <2.50 - compound tested for not detected above the analytical method detection limit of 2.50 MG/KG

3 Analysis Method 7471

Note: Test Method 6010 was utilized except were noted

TABLE VII

SUMMARY OF LABORATORY TEST RESULTS
Soil Stockpile

SAMPLE IDENTIFICATION	TARGET COMPOUND	PREP/ANALYSIS	UNITS	RESULT
LMRV-SP4-7	CYANIDE	SW846-9010	MG/KG[1]	0.011
	FLASHPOINT	SW846-1010	DEGREES F°	>212
	TOTAL PCB	3550/8080	MG/KG	<0.05[2]
LMRV-SP4-7A	Ph	SW846-9045		7.33
	SULFIDE	*	MG/KG	0.8

[1] MG/KG - Milligrams per Kilogram

[2] <0.05 - Concentration not found above the detection limit

Note: <0.05 represents equipment/procedure detection limits.

* MOD AOAC 1.013 / STD 4500-C

APPENDIX A

ABANDONED UNDERGROUND TANK REPORT

UNAUTHORIZED RELEASE REPORT FORM

UST CLEANUP FUND CLAIM APPLICATION FORM

HAZARDOUS MATERIALS MANAGEMENT UN..
ABANDONED UNDERGROUND TANK REPORT

EST. # H02651
P.C. # AT 1124

[X] YES FIRE AGENCY [ ] NO

FIRE AGENCY PERMIT # _____

JURISDICTION _____

OF TANKS TO BE ABANDONED FOUR PHONE _____

PHONE _____

SITE NAME/ADDRESS LA MESA RV 7601 ALVARADO RD ZIP 92041

C.G.I. 19 LCL

CONTRACTOR BOB ALM PHONE 561-6048

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
1. Tank ID #					
2. UL #					
3. Capacity (Gallons)	550G	550G	550G	2000G	
4. Material Stored	W.O.	NEW OIL	NEW OIL	REG LEADED GAS	
5. Decontamination:	YES	→	→	→	
Manifest Available?	YES	→	→	→	
6. Tank Inerting: (CGIRDS)	YES	→	→	→	
Dry Ice/Nitrogen (Qty)	10 lbs	→	→	30 lbs	
7. Tank Condition (Holes)	HOLES BOTTOM	HOLES BOTTOM	HOLES	HOLES	
8. Condition of Back Fill & Type	SAND/SOIL DISCOLORED	→	→	SAND/SOIL BACKFILL/GAS ODOR	
9. Condition of Native Soil/Type	CLAY COBBLES	→	→	→	
10. Odors From Excavation?	NONE	→	→	GAS	
11. Ponded Product?	NOT OBSERVED	→	→	→	
12. Ground Water Contamination	SLIGHT ?	→	→	→	
13. Tank Closure In Place	NO	NO	NO	NO	
14. Pipeline Leak Evident?	NO	NO	NO	NO	
15. Reinspection Required?	NO	→	→	→	
16. Reinspection Receipt Available?	N/A	N/A	N/A	N/A	

REMARKS:

1) TANKS CLEANED BY TRIAD - TAKEN TO NRCLD.
2) GROUND WATER OBSERVED AT ≈ 7' IN TANK HOLES.
3) OIL TANKS ALL HAD NUMEROUS HOLES ON THE BOTTOM
4) TANKS TO GO TO PACIFIC STEEL.
5) GAS TANK HAD MANY HOLES IN BOTTOM.

NOTICE: You are hereby notified that on 2/23/88, [illegible] Hazardous Materials Specialist of County Department of Health Services, conducted an inspection for the removal and/or abandonment of FOUR underground storage tanks of hazardous substances. A summary of conditions found is noted as follows:

[ ] No indication of soil or groundwater contamination apparent this date. Excavation may be backfilled.

[X] The conditions noted below must be reported and corrected in accordance with Chapters 6.5 and 6.7 of the California Health and Safety Code and Chapters 9 and 10 of the San Diego County Code.

[ ] Hazardous substance/waste is ponded in the excavation. Immediately take steps to remove the ponded hazardous liquid from the excavation. This liquid is a hazardous waste that shall be properly transported, under manifest, by a licensed hazardous waste hauler to a licensed recycling or disposal facility.

[X] Contaminated soil and/or contaminated groundwater is suspected in the excavation. Determining the extent and impact of this contamination and completing any required clean-up is the responsibility of the tank owner/operator. Within 5 work days, the tank owner/operator or his agent must submit a written UNAUTHORIZED RELEASE REPORT to the Department of Health Services including all of the following information that is known at the time of filing the report:

a. Describe the type, quantity and concentration of the hazardous substance released.
b. Provide the results of all investigations completed at this time to determine the extent of soil, groundwater, or surface water contamination due to the release.
c. Describe the method of cleanup implemented to date, proposed cleanup actions, and approximate costs of actions taken to date.
d. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water. (If any contaminated soil/water is hauled off-site, include copies of the hazard waste manifests).
e. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of proposed activity schedule.

Subsequent mitigation actions will be discussed upon review of the submitted Report and consultation with other appropriate agencies.

- REFER TO REVERSE SIDE FOR ADDITIONAL INFORMATION/REQUIREMENTS -

Received by _____ Hazardous Materials Specialist Signature

Phone # 561-6048

County of San Diego
Department of Health Services
HMMU - 1700 [illegible]
San Diego, CA. 92101-2489
(619) 236-2222

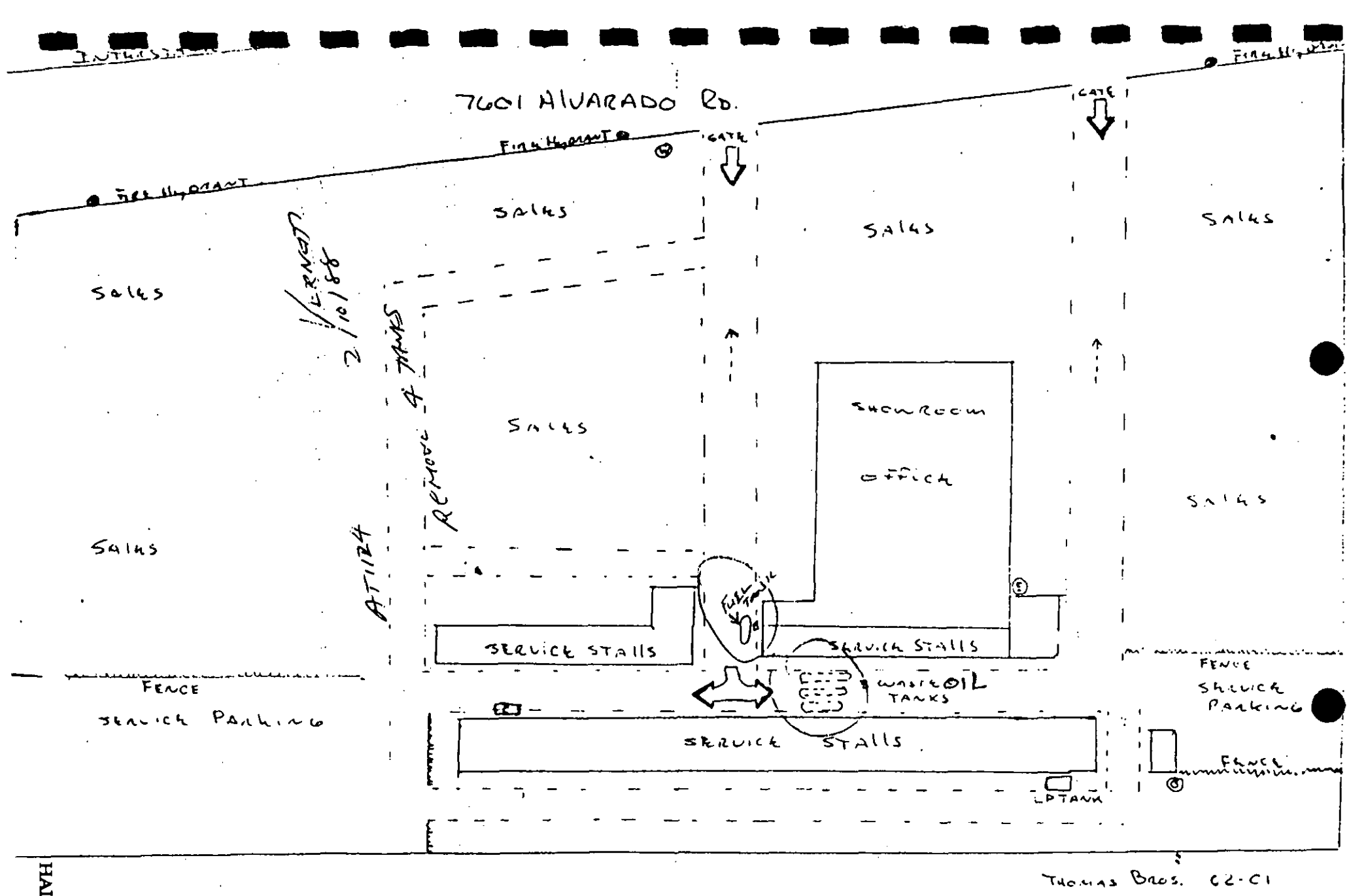
HALLIBURTON NUS

DHS:HM-9160 (11/86)

Field Observations and Notes:

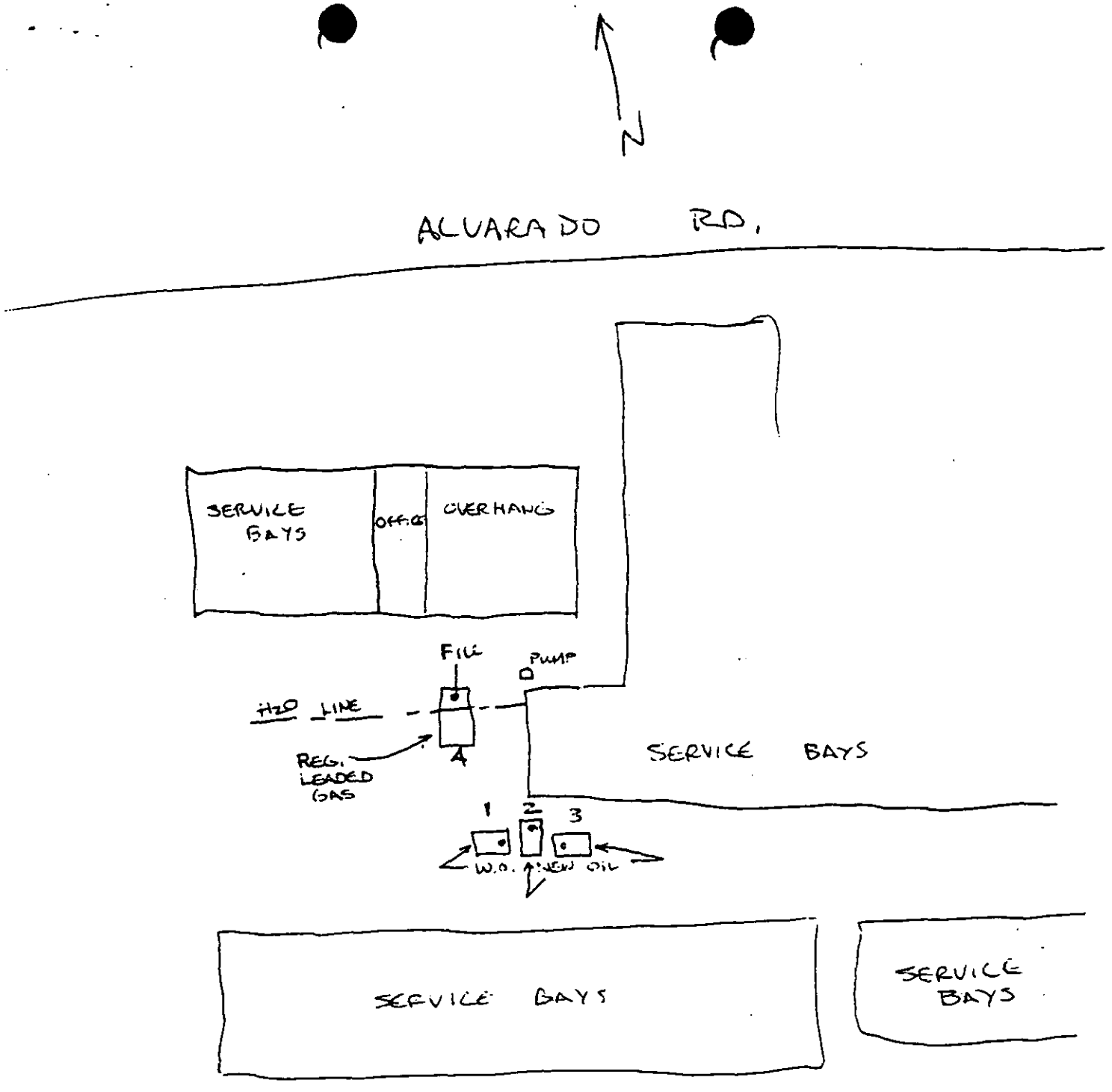
1. Type of hazardous substance released: GASOLINE, W.O., PROD. OIL
2. Is hazardous substance ponded? NOT APPARENT Estimated amount _____
3. Is amount of hazardous substance release known? NO Estimated amount _____
4. Estimated depth to groundwater ≈ 7'
5. Is there an existing or potential beneficial use of the groundwater identified in the Basin Plan? YES
6. Soil conditions:
   a. Is backfill discolored? YES Estimated amount _____
   b. Is backfill saturated? NO Estimated amount _____
   c. Is native soil discolored? SOMEWHAT Estimated amount _____
   d. Is native soil saturated? NO Estimated amount _____
   e. Type of native soil (sandy, clay, etc.) CLAY W/ COBBLES
7. Description of odors from excavation MODERATE GAS
8. Condition of tank (holes, corrosion, deteriorated wrapping, etc.) _____
   ALL TANKS HEAVILY CORRODED WITH MANY HOLES ON THE BOTTOM FROM PINHOLES TO 1/2" - 3/4" IN DIA.
9. Pipeline leak evident? NO
10. Nearby underground vaults or utilities or basements? (Specify) _____
11. Nearby water wells or surface waters? NO
12. Other comments/observations: _____
    SEE ATTACHED DRAWING.

DHS:HM-916 (3/87)



THOMAS BROS. 62-C1

HALLIBURTON NUS


N
ALVARADO RD.
SERVICE BAYS
OFFICE
OVERHANG
FILL
PUMP
H2O LINE
REG. LEADED GAS
4
SERVICE BAYS
1
2
3
W.O.
NEW OIL
SERVICE BAYS
SERVICE BAYS

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO — HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY: I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.

SIGNED _____ DATE _____

REPORT DATE: 04/04/95 — CASE #: T0945-1HQ2651

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: J. BUCKNER — PHONE: (619) 462-5160 — SIGNATURE: [signature]

REPRESENTING: ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____ — COMPANY OR AGENCY NAME: LA MESA RV CENTER

ADDRESS: 2601 ALAMARACHE RD (STREET) — LA MESA (CITY) — CA (STATE) — 92041 (ZIP)

RESPONSIBLE PARTY

NAME: Above ☐ UNKNOWN — CONTACT PERSON: _____ — PHONE: ( )

ADDRESS: Above (STREET) — _____ (CITY) — _____ (STATE) — _____ (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): _____ — OPERATOR: _____ — PHONE: ( )

ADDRESS: Above (STREET) — _____ (CITY) — _____ (COUNTY) — _____ (ZIP)

CROSS STREET: FLETCHER PARKWAY — TYPE OF AREA: ☒ COMMERCIAL ☐ INDUSTRIAL ☐ RURAL ☐ RESIDENTIAL ☐ OTHER _____ — TYPE OF BUSINESS: ☐ RETAIL FUEL STATION ☐ FARM ☒ OTHER RV SALES & SERVICE

IMPLEMENTING AGENCIES

LOCAL AGENCY: - ? City of La Mesa — AGENCY NAME: _____ — CONTACT PERSON: Vickie Church — PHONE: (619) 465-2211

REGIONAL BOARD: - ? Regional Water Quality Control Board — CONTACT PERSON: Dazyl Lawler — PHONE: (619) 265-5114

SUBSTANCE(S) INVOLVED

(1) NAME: Used Engine Oil — QUANTITY LOST (GALLONS): _____ ☐ UNKNOWN

(2) NAME: _____ — QUANTITY LOST (GALLONS): _____ ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 11/24/95 — HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☒ TANK TEST ☒ TANK REMOVAL 2-22-95 ☐ OTHER _____

DATE DISCHARGE BEGAN: _____ ☒ UNKNOWN — METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ REMOVE CONTENTS ☐ REPLACE TANK ☒ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☒ OTHER REMOVE TANK

HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 11/24/95

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☒ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER

TANK(S) ONLY/CAPACITY: 2-600 GAL — AGE 20+ YRS ☐ UNKNOWN

MATERIAL: ☐ FIBERGLASS ☒ STEEL ☐ OTHER _____

CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☒ CORROSION ☐ UNKNOWN ☐ SPILL ☐ OTHER _____

CASE TYPE

CHECK ONE ONLY: ☐ UNDETERMINED ☐ SOIL ONLY ☒ GROUNDWATER ☐ DRINKING WATER (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY: ☒ SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) ☐ CLEANUP IN PROGRESS ☐ SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) ☐ NO ACTION TAKEN ☐ POST CLEANUP MONITORING IN PROGRESS ☐ NO FUNDS AVAILABLE TO PROCEED ☐ EVALUATING CLEANUP ALTERNATIVES

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)

☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ TREATMENT AT HOOKUP (HU) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT) _____

COMMENTS

REMOVAL OF TANKS AND TESTS COST WITH $4,000. THE CONTAMINATED SOIL IS TO BE REMOVED AND SENT FOR HAZARDOUS WASTE SITE. AMOUNT AND COST UNKNOWN AT THIS TIME. CONTRACTOR IS ALAS SERVICES PO BOX 2350 ENCINITAS CA 92046 (760 ALAS)

HSC 05 (5/97)

HALLIBURTON NUS

STATE WATER RESOURCES CONTROL BOARD
Division of Clean Water Programs
Underground Storage Tank Cleanup Fund Program
2014 T Street, Suite 130
Mail: P. O. Box 944212
Sacramento, CA 94244-2120

STATE USE ONLY: (Nov. 1991)

CLAIM NO.	
DATE REC'D	
PRIORITY	REGION

Underground Storage Tank Cleanup Fund
CLAIM APPLICATION

This application provides the required information for placement on the UST Cleanup Fund Priority List. Complete and submit this Application with all required attachments to the address in the above left corner. Only one application is to be submitted per cost. Type or print legibly the required information in the applicable sections below. Refer to the application instructions. Attach additional pages as necessary to explain responses.

I. CLAIMANT IDENTIFICATION

A. CLAIMANT NAME: LA MESA RV CENTER
MAILING ADDRESS: PO BOX 1670
CITY, STATE: LA MESA, CA
ZIP CODE: 91944-1670
TELEPHONE NO.: (619-462-5660

B. CLAIMANT STATUS (CHECK ONE)
[ ] INDIVIDUAL [ ] LOCAL AGENCY
[ ] PARTNERSHIP [XX] CORPORATION
[ ] JOINT VENTURE [ ] OTHER:

C. TAX IDENTIFICATION NO.: 95-2781974
D. CONTACT PERSON: JIM BUCKNER
TELEPHONE NO.: 619,462-5660,X-250

E. IDENTIFY WHETHER CLAIMANT IS FILING AS:
(1) [ ] OWNER OF THE TANK(S) (2) [X] OPERATOR OF THE TANK(S) (3) [ ] BOTH THE OWNER AND OPERATOR OF THE TANK(S)

F. IF FILING AS THE OWNER OR OWNER AND OPERATOR OF THE TANK(S):
DATE SITE WAS ACQUIRED:
DATE SOLD (IF APPLICABLE):
PERSON(S) SOLD TO:
PERSON(S) SITE ACQUIRED FROM (IF AFTER 1/1/84):

NAME:	ADDRESS:	PHONE #:

G. IF FILING AS THE OPERATOR (BUT NOT THE OWNER) OF THE TANK(S):
DATES OF OPERATION: 3-30-71 TO 2-22-88
PERSON(S) THAT OWNED TANK(S) DURING PERIOD OF OPERATION

FROM:	TO:	NAME	ADDRESS:	PHONE #:

H. IDENTIFY TANK OWNER AND OPERATOR AT TIME OF DISCOVERY OF RELEASE

1. NAME OF OWNER: FREDNA L. GUSTAVSON
MAILING ADDRESS: 110 WESTWOOD RD.
CITY, STATE, ZIP CODE: SANTA CRUZ, CA 95060
TELEPHONE NUMBER: ( ) 408-423-6439
2. NAME OF OPERATOR: LA MESA RV CENTER
MAILING ADDRESS: PO BOX 1670
CITY, STATE, ZIP CODE: LA MESA, CA 91944-1670
TELEPHONE NUMBER: (619-462-5660

I. IDENTIFY CURRENT TANK OWNER AND OPERATOR

1. NAME OF OWNER: SAME
MAILING ADDRESS:
CITY, STATE, ZIP CODE:
TELEPHONE NUMBER: ( )
2. NAME OF OPERATOR: SAME
MAILING ADDRESS:
CITY, STATE, ZIP CODE:
TELEPHONE NUMBER: ( )

II. STATEMENT OF COSTS

A. ELIGIBLE CORRECTIVE ACTION COSTS INCURRED TO DATE FOR COMPLETED WORK: (1) $ 3,810.00

B. ESTIMATED ELIGIBLE CORRECTIVE ACTION COSTS TO COMPLETE WORK CURRENTLY UNDERWAY: (2) $ 20,000.00
INDICATE PHASE: (1) [ ] PHASE I (2) [X] PHASE II (3) [ ] PHASE III (4) [ ] PHASE IV

C. ESTIMATED ELIGIBLE CORRECTIVE ACTION COSTS TO COMPLETE NEXT PHASE: (3) $ 50,000.00
INDICATE PHASE: (5) [ ] PHASE I (6) [ ] PHASE II (7) [X] PHASE III (8) [ ] PHASE IV

D. THIRD PARTY COMPENSATION COSTS FOR PERSONAL INJURY/PROPERTY DAMAGE: (4) $
(Submit certified copy of settlement, final judgement, or arbitration award)

E. SUBTOTAL: $ 73,810.00

F. DEDUCTIBLE: $ (10,000)

G. TOTAL COSTS BEING CLAIMED: (5) $ 63,810.00

- HAVE ESTIMATED COSTS BEEN BID? [ ] YES [X] NO

IF NO, IN WHAT MANNER WERE COSTS DERIVED: Consultants assistance on best estimate on initial site investigation (Phase 1)

HALLIBURTON NUS

APPENDIX B

WORKPLAN

December 11, 1991

Mr. James Buckner
La Mesa RV Center
7601 Alvarado Road
La Mesa, California 92041

Attention: Mr. James Buckner

Subject: Environmental Engineering Services
Relating to Unauthorized Release
Case Number T0427/H02651-001
Workplan

Dear Mr. Buckner:

In response to your request, HALLIBURTON NUS Environmental Corporation (HALLIBURTON NUS) is pleased to submit this Workplan proposing environmental engineering services relating to the unauthorized release (UAR) at the La Mesa RV Center. La Mesa RV is located at 7601 Alvarado Road in La Mesa, California.

The information presented below summarizes our understanding of the circumstances associated with the UAR at the site and proposes a scope of work to address these circumstances.

TECHNICAL UNDERSTANDING AND APPROACH

A representative of HALLIBURTON NUS previously visited the subject site with Mr. Chris Tomlin of Horizon Hoist Company of San Diego. During the survey of the site, Mr. Tomlin indicated that Alm Services, a local tank removal contractor, had removed four underground storage tanks (UST) from the site on February 22, 1988. The four UST's consisted of one 550 gallon used oil tank, two 550 gallon new oil tanks, and one 2000 gallon regular leaded gasoline tank.

While surveying the site, a concrete patch was observed at the location of the former gasoline UST at the southwest corner of the north service garage. In addition, an asphalt patch was observed at the location of the former oil UST on the south side of the southwest corner of the north service garage. An extensive asphalt parking and driveway complex surrounds the service

Quality assurance/control procedures would be followed during all excavation and soil sampling activities. Soil samples would be placed in laboratory prepared containers and transported to an on site mobile laboratory for analytical testing. Chain-of-custody documentation would be provided for all soil samples. - Hours required to perform this task are included as part of the excavation activity.

- Segregate soil. Soil excavated during the trenching activities at each former UST location according to origin and by estimates of TRPH and TPH concentrations. The soil would be stockpiled on-site and placed on, and covered with, visqueen in accordance with regulatory protocol. The client would be responsible for disposition of the stockpiled soil.

- Provide health and safety monitoring during all trenching/excavation activities.

- Fill trenches with rock/gravel and replace asphalt and concrete at ground surface, whichever is appropriate.

- Prepare a report summarizing the results of the field activities and provide recommendations for additional environmental services, if required.

- Provide consultation with the client and representatives of the regulatory agencies following completion of the field activities. The purpose of the consultation would be to present the results obtained during the performance of the field activities.

It should be noted that the scope of services referenced above is for a first phase exploration of the possible horizontal and vertical extent of the hydrocarbon impacts to the soil at the site. Based on discussions with regulatory representatives, additional services, consisting of monitoring of the groundwater will be required by regulatory agencies. The nature of the groundwater monitoring activities will be dependent upon the results obtained from the first phase of the exploration activities, consent.

- Notify Underground Service Alert as required by law and obtain a "Ticket Number" at least 48 hours prior to the commencement of excavation activities.

- Sawcut asphalt and concrete in the areas designated for excavation of the trenches.

- Excavate trenches perpendicular to the perimeter of the excavation sidewalls in an attempt to identify the contact between the fill and formational soils. Based on the information obtained during the excavation of the perpendicular trenches, perimeter trenches would be excavated parallel to each sidewall, where possible. Soil samples would be collected at various depths as necessary to aid in the estimation of the extent of possible hydrocarbon impact to the soil. Based on available information, it is estimated that the trenches would extend to the depth of groundwater or a depth of approximately 13 feet below the ground surface, whichever is less.

- Provide site security either with barricades or trench plates.

- Perform vapor headspace surveys on soil samples collected from the trenches at each former UST location. An organic vapor analyzer (OVA) would be used to attempt to obtain indicators of the presence of petroleum hydrocarbons. It should be noted that use of the headspace survey is generally more effective on soil impacted by gasoline than on soils containing used oil. - Hours required to perform this task are included as part of the excavation activities as referenced above.

- Obtain soil samples. Soil samples obtained throughout the performance of the field activities would be subjected to analysis by an on-site California Department of Health Services certified mobile laboratory. The results of the laboratory analysis would be used to guide additional trenching activities and provide analytical confirmation of the possible extent of hydrocarbon impact to the soil. It is anticipated that approximately 12 soil samples would be obtained and analyzed for the presence of TRPH using EPA Method 418.1. Approximately 12 additional soil samples would be obtained and analyzed for the presence of total petroleum hydrocarbons (TPH) using EPA Method DHS-8015. One soil sample from the used oil trenching would be analyzed for solvents by EPA Test Method 8010 while a soil sample from the gasoline UST trenching would be analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE) by EPA Test Method 8020-modified.

On May 14, 1988, Mr. Alm reportedly obtained three additional soil samples from the oil tank excavation. A review of the laboratory data for these three soil samples indicates that TRPH concentrations were 250, 340, and 930 mg/kg. Benzene, toluene, xylene and solvent concentrations were below detection limits.

Based on the information summarized above, it is the understanding of HALLIBURTON NUS that the client's objective is to obtain regulatory site closure of the UAR reported for the site. In accordance with current regulatory guidelines, the horizontal and vertical extent of hydrocarbon impacts to the soil at the site must be estimated and potential impacts to groundwater must be addressed. In the event that hydrocarbon impacts in excess of cleanup standards established by regulatory agencies are encountered, mitigation of this impact may be required by regulatory officials. HALLIBURTON NUS would recommend methods for the mitigation and could provide the necessary equipment and expertise to accomplish any required cleanup.

SCOPE OF SERVICES

Based on our understanding of your requirements as conveyed above, we propose to provide environmental engineering services on behalf of La Mesa RV for the purpose of obtaining regulatory closure of the UAR for the subject site. The scope of services proposed is designed to provide a cost effective approach to attempt to satisfy the goal of site closure. However, following regulatory review of the results of the first phase of services, the performance of additional services may be required.

- Provide consultation including a review of the proposed workplan with the appropriate representatives of the DHS-HMMD and the San Diego Regional Water Quality Control Board (RWQCB) prior to the commencement of the field activities.

- Prepare a Health and Safety Plan that would identify potential health and safety hazards anticipated during the performance of the excavation activities. The plan would be prepared prior to the commencement of field activities and would be reviewed by all field personnel.

- Obtain the services of an underground utility locating service and review available client "As Built" drawings in an effort to identify the presence of underground utilities in proximity to the proposed excavations.

MOBILE/ONE LABORATORIES/INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

418.1 ANALYSIS

Date Received:	March 14, 1992
Date Extracted/Analyzed:	March 14, 1992
Analyst:	R. Johnson
Sample Matrix:	soil

Field Number	Amount Found (mg/kg)	Detection Limit (mg/kg)
LMRV-OES-1	nd	10
LMRV-OES-2	nd	10
LMRV-OES-3	nd	10
LMRV-OES-4	nd	10
LMRV-OES-5	15	10
LMRV-OES-6	8,200	10
LMRV-OES-7	nd	10
LMRV-OES-8	nd	10
LMRV-OES-9	260	10
LMRV-OES-10	15,600	10

HN4RPT

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE ONE LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

418.1 analysis continued

Field Number	Amount Found (mg/kg)	Detection Limit (mg/kg)
LMRV-OES-11	16,000	10
LMRV-OES-12	18,000	10
LMRV-OES-13	23,000	10
LMRV-OES-14	8,000	10
LMRV-OES-15	7,700	10

J Picker 3/25/9~

Reviewed by: J. Picker/date
HN4RPT

nd = not found above the detection limit

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE/ONE LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

TPH ANALYSIS - QC Summary

SPIKED RECOVERIES

Date Analyzed: 03/12/92 Sample size: 10 g F.V.: 10 ml
Sample Matrix: soil

COMPOUND	M3T0312 Found (ppm)	D3T0312 Found (ppm)	Spiked (ppm)	Ave %Rec	QC Limits	%D.	QC Limits
Gasoline	68	75	74	97	(60-130)	9.8	< 15%

Calibration verification was within acceptable limits.

No contamination was found in method blanks at detectable levels.

HN4RPT

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE/ONE LABORATORIES INC.

To: Halliburton NUS, D. Eminhizer
Project: 2N60

Total Recoverable Hydrocarbon Analysis

418.1 - QC Summary

SPIKED RECOVERIES

Date Analyzed: 03/13/92 Sample size: 5 g F.V.: 20 mL
Sample Matrix: soil

Compound	M240313 Found (ppm)	D240313 Found (ppm)	Spiked (ppm)	Ave %Rec	QC Limits	%D	QC Limits
TRPH	105	103	108	96	(60-130)	1.9	< 20%

Calibration verification was within acceptable limits.

No contamination was found in method blanks at detectable levels.

HN4RPT

19964 ELFIN FOREST LN. • ESCONDIDO, CA 92029 Phone/Fax (619) 591-3666 Mobile (619) 980-9233

MOBILE ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 3/11/92 page 1 of 1

Client: Halliburton NUS
~~Address~~: site: La Mesa RV Center
7601 Alvarado Rd.
La Mesa CA
Project: 2N60
Sampler (signature):

Sample No.	Date	Time	Location	Analysis Requested: TPH	Analysis Requested: 418.1	Analysis Requested:	Analysis Requested:	Analysis Requested:	Analysis Requested:	No. of containers	Comments
LMRV-GES-1	3/11/92	1610		X						1	
LMRV-GES-2	3/12/92	1005								1	
LMRV-GES-3		1010								1	
LMRV-GES-4		1015								1	
LMRV-GES-5		1045								1	
LMRV-GES-6		1105			X					1	
LMRV-GES-7		1108								1	
LMRV-GES-8		1125								1	
LMRV-GES-9		1134								1	
LMRV-GES-10		1138								1	

Storage/Shipping Info.: 10 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: David A. Eminhizer	Signature: Becky Johnson	Signature: Becky Johnson	Signature: David A. Eminhizer	Signature:	Signature:
Printed Name: Halliburton NUS	Printed Name: MobileOne Labs	Printed Name: MobileOne Labs	Printed Name: Halliburton NUS	Printed Name:	Printed Name:
Company:	Company:	Company:	Company:	Company:	Company:
Date: 3/12/92 Time: 1715	Date: 3/12/92 Time: 1715	Date: 3/14/92 Time: 2120	Date: 3/14/92 Time: 2120	Date: Time:	Date: Time:

HALLIBURTON NUS
9964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

MOBILE/ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 3/12/92 page 2 of 2

Client: Halliburton NUS
~~Address:~~ Site LaMesa RV Center
7601 Alvarado Rd.
LaMesa CA
Project: 2N60
Sampler (signature):

Sample No.	Date	Time	Location	TPH	418.1					No. of containers	Comments
LMRV-GES-11	3/12/92	1240		X	X					1	
LMRV-GES-12	↓	1245		X	X					1	
LMRV-GES-13	↓	1250		X						1	

Storage/Shipping Info.:

3 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: David A. Emmitzer	Signature: R Johnson	Signature: R Johnson	Signature: David A. Emmitzer	Signature:	Signature:
Printed Name: DAVID A. EMMITZER	Printed Name: Becky Johnson	Printed Name: Becky Johnson	Printed Name: DAVID A. EMMITZER	Printed Name:	Printed Name:
Company: HALLIBURTON NUS	Company: MobileOne labs	Company: MobileOne labs	Company: HALLIBURTON NUS	Company:	Company:
Date: 3/12/92 Time: 1715	Date: 3/12/92 Time: 1715	Date: 3/12/92 Time: 2120	Date: 3/14/92 Time: 2120	Date: Time:	Date: Time:

HALLIBURTON NUS
19964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	MARCH 31, 1992
DATE RECEIVED	MARCH 18, 1992
SAMPLING DATE	MARCH 12, 1992
DATE OF FINAL REVIEW	MARCH 31, 1992
ANALYZED BY	SW MV
SAMPLE TYPE	1 SOIL
PROJECT NUMBER	2N60

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 4963-92C SAMPLE ID: LMRV-GES-11	DF
BENZENE	5030/8020	UG/KG	<1.0	10
TOLUENE	5030/8020	UG/KG	<1.0	10
ETHYLBENZENE	5030/8020	UG/KG	<1.0	10
XYLENE	5030/8020	UG/KG	585	10
ORG. LEAD	DHS	MG/KG	<0.5	2

DHS - RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD MANUAL, MAY 1988

OTHER HEAVIER MOLECULAR WEIGHT HYDROCARBONS DETECTED, NOT QUANTIFIABLE BY METHOD.

DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSES RESULTS WERE CORRECTED ACCORDINGLY.

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

MARCH 30, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #4963-92C THROUGH 4965-92C

DATE EXTRACTED: MARCH 27, 1992 - ORGANIC LEAD

DATE ANALYZED: MARCH 27, 1992 - ORGANIC LEAD

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
ORGANIC LEAD	DHS	108%	118%	0%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL SAMPLE. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
MARCH 30, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #4963-92C THROUGH 4965-92C

DATE ANALYZED: MARCH 24, 1992

EXTRACTION METHOD: 5030
ANALYSIS METHOD: 8020
Concentrations were calculated using a 4 point curve of concentrations 2.5, 5, 10 and 20 ppb.

LABORATORY CONTROL STANDARD
A 15 ppb standard verification was run in the sample set up.

METHOD BLANK
NO TARGET ANALYTES WERE DETECTED IN METHOD BLANK.

COMPOUND	%RECOVERY
Benzene	89%
Toluene	97%
Ethylbenzene	99%
Xylenes	108%

SPIKE DATA
QAL Log #5522-92C was spiked in duplicate with 15 ppb 8020 standard.

COMPOUND	SPIKE % RECOVERY	RELATIVE % DIFFERENCE
Benzene	105%	3%
Toluene	115%	2%
Ethylbenzene	118%	5%
Xylenes	128%*	7%

* LABORATORY-ESTABLISHED CONTROL LIMITS FOR XYLENES:
SPIKE RECOVERY: 70% - 155%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL SAMPLE. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

MOBILE/ONE LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 3/12/92 page 2 of 21

Client: Halliburton NUS
~~Address:~~ Site LaMesa RV Center
7601 Alvarado Rd.
LaMesa CA
Project: 2N60
Sampler (signature):

Sample No.	Date	Time	Location	TPH	418.1	BTEX ONLY	ONHOLD ONLY			No. of containers	Comments
LMRV-GES-11	3/12/92	1240		X	X	X				1	4963-92C } 418.1 + TPH
LMRV-GES-12	↓	1245		X	X		X			1	4964 } already
LMRV-GES-13	↓	1250		X			X			1	4965 } run

Storage/Shipping Info.:

3 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
David A. Eminhizer	R Johnson	R Johnson	David A. Eminhizer	David A. Eminhizer	April Collier
Signature	Signature	Signature	Signature	Signature	Signature
DAVID A. EMINHIZER	Becky Johnson	Becky Johnson	DAVID A. EMINHIZER	DAVID A. EMINHIZER	APRIL COLLIER
Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
HALLIBURTON NUS	Mobile One Labs	Mobile One Labs	HALLIBURTON NUS	HALLIBURTON NUS	QAL
Company	Company	Company	Company	Company	Company
3/12/92 1715	3/12/92 1715	3/12/92 2120	3/14/92 2120	3/18/92 1120	03/18/92 @11:21
Date Time	Date Time	Date Time	Date Time	Date Time	Date Time

RECEIVED 3 18 A11:21

HALLIBURTON NUS

19964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

APPENDIX D

STOCKPILE LABORATORY DATA

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	APRIL 9, 1992
DATE RECEIVED	MARCH 31, 1992
SAMPLING DATE	MARCH 31, 1992
DATE OF FINAL REVIEW	APRIL 8, 1992
ANALYZED BY	MM SC
SAMPLE TYPE	1 SOIL
PROJECT NAME	LA MESA RV 2N60

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 5936-92C SAMPLE ID: LMRV-SP4-7A
PH	SW846-9045	UNITS	7.33
SULFIDE	*	MG/KG	0.8

* MOD AOAC 1.013 / STD 4500-C

PETER SHEN
LABORATORY DIRECTOR

PS/ft

2334

Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 3/31/92 Page 1 of 1

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: HALLIBURTON NUS	PROJECT NAME/NUMBER: LAMESA RV 2N60
PROJECT MANAGER: DAVE ENINNIZER	BILLING INFORMATION
ADDRESS: 16855 West Bernardo DR Suite 100, San Diego, CA	BILL TO: SAME
PHONE: (619) 487-8272	ADDRESS:
	PHONE: PO #:

ANALYSIS REQUEST: 7 DAY

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	pH	Sulfide
5936-92C	LMRV-SP4-7A	3/31/92	1435	SOIL		1	X	X

RECEIVED 31 P4 50

SAMPLE INTEGRITY

HOLDING TIME

CORRECT CONTAINER Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:
SIGNATURE: [signature]	3/31/92	SIGNATURE:		SIGNATURE:	
PRINTED NAME: DAVID A ENINNIZER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:
COMPANY: HALLIBURTON NUS	1645	COMPANY:		COMPANY:	
1. RECEIVED BY:	DATE:	**2. RECEIVED BY:**	DATE:	**3. RECEIVED BY:**	DATE:
SIGNATURE: [signature]	3/31/92	SIGNATURE:		SIGNATURE:	
PRINTED NAME: [signature]	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:
COMPANY: QA Lab	1650	COMPANY:		COMPANY:	

SAMPLE RECEIPT	SPECIAL INSTRUCTIONS
RECEIVED ON ICE YES / NO	
TAPE SEAL INTACT YES / NO / NA	
PRESERVATIVE YES / NO	
PRECAUTIONS:	
	TAT REQUESTED: NORMAL 7 DAYS FIRM

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

HALLIBURTON NUS

APRIL 9, 1992

HALLIBURTON NUS ENVIRONMENTAL
TITLE 22 - METALS TTLC
SAMPLE TYPE - SOIL

ANALYSIS	METHOD	LOG NUMBER: 5545-92C SAMPLE ID: LMRV-SP4-7 UNITS: MG/KG
ANTIMONY	6010	<2.50
ARSENIC	6010	5.45
BARIUM	6010	42.9
BERYLLIUM	6010	0.151
CADMIUM	6010	<0.400
CHROMIUM	6010	7.30
COBALT	6010	2.91
COPPER	6010	8.47
LEAD	6010	26.7
MERCURY	7471	<0.050
MOLYBDENUM	6010	0.644
NICKEL	6010	1.78
SELENIUM	6010	<2.50
SILVER	6010	<0.200
THALLIUM	6010	<2.50
VANADIUM	6010	33.3
ZINC	6010	52.8

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	APRIL 9, 1992
ADDITIONAL REQUEST	MARCH 27, 1992
DATE RECEIVED	MARCH 24, 1992
SAMPLING DATE	MARCH 24, 1992
DATE OF FINAL REVIEW	APRIL 8, 1992
ANALYZED BY	SC SW MC EA JM MV
SAMPLE TYPE	1 SOIL

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 5545-92C SAMPLE ID: LMRV-SP4-7
CYANIDE	SW846-9010	MG/KG	0.011
FLASHPOINT	SW846-1010	DEGREES F	>212
TOTAL PCB	3550/8080	MG/KG	<0.05

PETER SHEN
LABORATORY DIRECTOR

PS/ft

APRIL 9, 1992

HALLIBURTON NUS ENVIRONMENTAL
DATE OF EXTRACTION/ANALYSIS: 3/31/92
EXTRACTION METHOD: EPA METHOD 5030
ANALYSIS METHOD: EPA METHOD 8010
PURGEABLE HALOCARBONS
SAMPLE TYPE - SOIL

ANALYSIS	DETECTION LIMIT UG/KG	5545-92C LMRV-SP4-7 UG/KG
DICHLORODIFLUOROMETHANE	45.0	ND
CHLOROMETHANE	2.0	ND
VINYL CHLORIDE	4.5	ND
BROMOMETHANE	29.5	ND
CHLOROETHANE	13.0	ND
TRICHLOROFLUOROMETHANE	12.5	ND
1,1-DICHLOROETHENE	3.3	ND
METHYLENE CHLORIDE	6.0	ND
trans-1,2-DICHLOROETHENE	2.5	ND
1,1-DICHLOROETHANE	1.8	ND
CHLOROFORM	1.3	ND
1,1,1-TRICHLOROETHANE	0.8	ND
CARBONTETRACHLORIDE	3.0	ND
1,2-DICHLOROETHANE	0.8	ND
TRICHLOROETHENE	3.0	ND
1,2-DICHLOROPROPANE	1.0	ND
BROMODICHLOROMETHANE	2.3	ND
2-CHLOROETHYLVINYL ETHER	3.3	ND
cis-1,3-DICHLOROPROPENE	8.5	ND
trans-1,3-DICHLOROPROPENE	5.0	ND
1,1,2-TRICHLOROETHANE	0.5	ND
TETRACHLOROETHENE	0.8	13.0
DIBROMOCHLOROMETHANE	2.3	ND
CHLOROBENZENE	6.0	ND
BROMOFORM	5.0	ND
1,1,2,2-TETRACHLOROETHANE	0.8	ND
1,3-DICHLOROBENZENE	8.0	ND
1,4-DICHLOROBENZENE	6.0	ND
1,2-DICHLOROBENZENE	3.8	ND

SAMPLE DILUTED BY A FACTOR OF 5.
THE DETECTION LIMITS AND ANALYSIS RESULTS WERE CORRECTED ACCORDINGLY
OTHER HEAVIER MOLECULAR WEIGHT HYDROCARBONS DETECTED, NOT QUANTIFIABLE BY METHOD.

ND = NONE DETECTED

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

APRIL 8, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #5545-92C

DATE EXTRACTED: MARCH 30, 1992 - TITLE 22 METALS, PCB
DATE ANALYZED: MARCH 30, 1992 - CYANIDE
MARCH 31, 1992 - FLASHPOINT, MERCURY
APRIL 3, 1992 - PCB, TITLE 22 METALS

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
CYANIDE	SW846-9010	89%	98%	7%
FLASHPOINT	SW846-1010	98%		0%
PCB	3550/8080	105%	91%	6%
TITLE 22 METALS (TTLC)				
ANTIMONY	3050/6010	92%	58%	11%
ARSENIC	3050/6010	102%	78%	6%
BARIUM	3050/6010	91%	76%	17%
BERYLLIUM	3050/6010	94%	80%	12%
CADMIUM	3050/6010	90%	55%	8%
CHROMIUM	3050/6010	92%	60%	15%
COBALT	3050/6010	92%	64%	10%
COPPER	3050/6010	91%	83%	3%
LEAD	3050/6010	92%	40%	0%
MERCURY	7471	102%	88%	17%
MOLYBDENUM	3050/6010	95%	65%	9%
NICKEL	3050/6010	93%	63%	4%
SELENIUM	3050/6010	100%	118%	5%
SILVER	3050/6010	88%	68%	35%*
THALLIUM	3050/6010	90%	54%	21%
VANADIUM	3050/6010	92%	62%	13%
ZINC	3050/6010	92%	63%	1%

* SPIKE CONTAINED HIGH CONCENTRATIONS OF TARGET COMPOUNDS THEREFORE, THE SPIKE PERCENT RECOVERIES WERE HIGH.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
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ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
APRIL 8, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #5545-92C
DATE EXTRACTED: MARCH 31, 1992
DATE ANALYZED: MARCH 31, 1992

EXTRACTION METHOD: EPA 5030
ANALYSIS METHOD: EPA METHOD 8010
METHOD BLANK

NO TARGET ANALYTES WERE DETECTED IN THE METHOD BLANK.

COMPOUND	LABORATORY CONTROL SAMPLE % (15ppb)
CHLOROFORM	101%
TRICHLOROETHANE	100%
CARBONTETRACHLORIDE	103%
1,1-DICHLOROETHANE	73%
CHLOROBENZENE	99%
TETRACHLOROETHENE	103%

SPIKE DATA

Log #5555-92C was spiked in duplicate with a 20 ppb 8010 standard.

COMPOUND	SPIKE %RECOVERY	RELATIVE % DIFFERENCE
CHLOROBENZENE	100%	12%
TRICHLOROETHENE	95%	1%
TETRACHLOROETHENE	92%	17%
1,2-DICHLOROETHANE	96%	8%
CHLOROFORM	84%	11%

A complete list of compounds is available upon request.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

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[redacted] 660[redacted]ncy [redacted] Dr[redacted]
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 03[redacted]27[redacted] Page [redacted]

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: HALLIBURTON, NUS	PROJECT NAME/NUMBER: ADD REQ
PROJECT MANAGER: DAVE EMINHIZER	BILLING INFORMATION
ADDRESS: 16885 WEST BERNARDO DRIVE SD CA 92127	BILL TO: SAME
PHONE: (619) 451-2131	ADDRESS:
	PHONE: PO #:

ANALYSIS REQUEST

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	CN - (TOTAL)	FLASHPOINT	8010	PCB (8080)	TITLE 22/TTLC											
15-92	LMRV-SP4-7	03/24/92		SOIL	JAR	1	X	→	→	→	→											

RECEIVED 2 all 12

SAMPLE INTEGRITY

HOLDING TIME	✓	→	→	→	→	→														
CORRECT CONTAINER	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:	SAMPLE RECEIPT	SPECIAL INSTRUCTIONS
SIGNATURE: PHONE	3/27/92	SIGNATURE:		SIGNATURE:		RECEIVED ON ICE YES / NO	
PRINTED NAME: DAVE EMINHIZER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:	TAPE SEAL INTACT YES / NO / NA	
COMPANY: HALLIBURTON	11:12	COMPANY:		COMPANY:		PRESERVATIVE YES / NO	
1. RECEIVED BY:	DATE:	2. RECEIVED BY:	DATE:	3. RECEIVED BY:	DATE:	PRECAUTIONS:	
SIGNATURE: April Collier	3/27/92	SIGNATURE:		SIGNATURE:			
PRINTED NAME: APRIL COLLIER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:		
COMPANY: QAL	11:12	COMPANY:		COMPANY:			TAT REQUESTED: 7-DAY

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

HALLIBURTON NUS

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS
ATTN: DAVE EMINHIZER
16885 W. BERNARDO DR., STE. #100
SAN DIEGO, CA 92127

QUALITY ASSURANCE LABORATORY
MOBILE LAB

(619) 552-3638
6605 Nancy Ridge Drive,
San Diego, CA 92121

Analytical Results Summary

Client Name : Halliburton NUS
Date of Report : March 25, 1992
Sample Date : March 24, 1992
Analysis Date : March 24, 1992
Project Name : La Mesa RV
Sample Type(s) : Soil

Client Mailing Address:

16885 W. Bernardo Dr.
San Diego, CA. 92127
1 (619) 451-2131

Method: DHS Total Petroleum Hydrocarbons
Units: mg/Kg

Log #	Sample I.D.	Hydrocarbon Range - (C4 - C12)
M365-92C	LMRV-SP1-1	<10
M366-92C	LMRV-SP1-2	<10
M367-92C	LMRV-SP1-3	<10
M372-92C	LMRV-SP3-1	<10
M373-92C	LMRV-SP3-2	<10
M374-92C	LMRV-SP3-3	<10
M375-92C	LMRV-SP3-4	153.2

Quality Control Data:

LCS #1	200 ppm	179	89%
MS M372-92C	200 ppm	170	85%
MSD M372-92C	200 ppm	187	RSD=9.6%

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
MOBILE LAB

(619) 552-3636
6605 Nancy Ridge Drive
San Diego, CA 92121

Analytical Results Summary

Client Name : Halliburton NUS
Date of Report : March 25, 1992
Sample Date : March 24, 1992
Analysis Date : March 24, 1992
Project Name : La Mesa RV
Sample Type(s) : Soil

Client Mailing Address:

16885 W. Bernardo Dr.
Suite #100,
San Diego, CA. 92127
1 (619) 451-2131

Method: EPA 418.1
Units: mg/Kg

Log #	Sample I.D.	Total Recoverable Petroleum Hydrocarbons
M368-92C	LMRV-SP2-1	156.0
M369-92C	LMRV-SP2-2	82.0
M370-92C	LMRV-SP2-3	73.0
M371-92C	LMRV-SP2-4	312.0

Quality Control Data:

LCS #1 20 ppm	20.5	103%
LCS #2 20 ppm	21.5	RSD=5%

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE MOBILE LABORATORY
CHAIN OF CUSTODY

COMPANY: HALLIBURTON NUS	SITE CONTACT: DAVE EMINHIZER
PROJECT NAME/NUMBER: LMRV	SAMPLER: SAME

Q.A.LAB LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE LOCATION	CONT TYPE	SAMPLE TYPE	ANALYSIS REQUIRED
M365-92C	LMRV-SP1-1	3/24/92		GLASS	SOIL	TPH
M366-92C	LMRV-SP1-2	"		"	"	TPH
M367-92C	LMRV-SP1-3	"		"	"	TPH
M368-92C	LMRV-SP2-1	"		"	"	TRPH
M369-92C	LMRV-SP2-2	"		"	"	"
M370-92C	LMRV-SP2-3	"		"	"	"
M371-92C	LMRV-SP2-4	"		"	"	"
M372-92C	LMRV-SP3-1	"		"	"	TPH
M373-92C	LMRV-SP3-2	"		"	"	"
M374-92C	LMRV-SP3-3	"		"	"	"
M375-92C	LMRV-SP3-4	"		"	"	"

Lab Departure Time: 0715 Site Arrival: 0745

Site Departure: ____ Estimated Lab Arrival: —

MAIL RESULTS TO HALLIBURTON, NUS
COMPANY: 16885 W. BERNARDO DR.
ADDRESS: STE # 100
STATE: SAN DIEGO CA. ZIP: 92127
ATTN: DAVE EMINHIZER PHONE: 451-2131

RELINQUISHED BY	DATE/TIME	RECEIVED BY
	3/24/92 1645	
RELINQUISHED BY	DATE/TIME	RECEIVED BY

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	MARCH 26, 1992
DATE RECEIVED	MARCH 24, 1992
SAMPLING DATE	MARCH 24, 1992
DATE OF FINAL REVIEW	MARCH 25, 1992
ANALYZED BY	SW MC
SAMPLE TYPE	9 SOIL

MARCH 26, 1992

HALLIBURTON NUS ENVIRONMENTAL
ANALYSES RESULTS
SAMPLE TYPE - SOIL

		ANALYSIS:	TRPH		BENZENE		TOLUENE		ETHYLBENZENE		XYLENE	
		PREP/ANALYSIS	3550		5030		5030		5030		5030	
		METHOD:	EPA 418.1		EPA 8020		EPA 8020		EPA 8020		EPA 8020	
LOG NUMBER	SAMPLE ID	UNITS:	MG/KG	DF	UG/KG	DF	UG/KG	DF	UG/KG	DF	UG/KG	DF
5538-92C	LMRV-SP3-4				1,190	50	410	50	1,390	50	1,800	50
5539-92C	LMRV-SP4-1		2,360	25								
5540-92C	LMRV-SP4-2		4,580	50								
5541-92C	LMRV-SP4-3		2,150	25								
5542-92C	LMRV-SP4-4		2,570	25								
5543-92C	LMRV-SP4-5		4,580	50								
5544-92C	LMRV-SP4-6		1,840	25								
5545-92C	LMRV-SP4-7		24,700	500								
5546-92C	LMRV-SP4-8		156									

TRPH - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSES RESULTS WERE CORRECTED ACCORDINGLY.

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

MARCH 25, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #5538-92C THROUGH 5546-92C

DATE EXTRACTED: MARCH 25, 1992
DATE ANALYZED: MARCH 25, 1992

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
TRPH	3550/418.1	103%	80%	0%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTALBE RANGE IS 80%-120% RECOVERY.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS 75%-125% RECOVERY.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
MARCH 25, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #5538-92C THROUGH 5546-92C

DATE ANALYZED: MARCH 25, 1992

EXTRACTION METHOD: 5030
ANALYSIS METHOD: 8020
Concentrations were calculated using a 4 point curve of concentrations 2.5, 5, 10 and 20 ppb.

LABORATORY CONTROL STANDARD
A 15 ppb standard verification was run in the sample set up.

METHOD BLANK
NO TARGET ANALYTES WERE DETECTED IN METHOD BLANK.

COMPOUND	%RECOVERY
Benzene	80%
Toluene	85%
Ethylbenzene	96%
Xylenes	112%

SPIKE DATA
A QAL Method Blank was spiked in duplicate with 15 ppb 8020 standard.

COMPOUND	SPIKE % RECOVERY	RELATIVE % DIFFERENCE
Benzene	*	*
Toluene	97%	0%
Ethylbenzene	86%	4%
Xylenes	101%	8%

* Method Blank was not spiked with Benzene.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTALBE RANGE IS 80%-120% RECOVERY.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS 75%-125% RECOVERY.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 3/24/92 Page 1 of 1

CUSTOMER INFORMATION

COMPANY: HALLIBURTON, NUS
PROJECT MANAGER: DAVE EMINHIZER
ADDRESS: 16885 W. BERNARDO DR
SAN DIEGO, CA. 92127
PHONE: 619-451-2131
~~504-626-2487-8292~~

PROJECT INFORMATION

PROJECT NAME/NUMBER:

BILLING INFORMATION

BILL TO:
ADDRESS:
PHONE: PO #:

ANALYSIS REQUEST

B/N at Rabbit Lab Prices

24 HR

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	418.1	BTXE
5538 92	LMRV-SP3-4	3/24/92	1130	SOIL	GLASS	1		X
5539	LMRV-SP4-1	"	1548	"	"	1	X	
5540	LMRV-SP4-2	"	1555	"	"	1	X	
5541	LMRV-SP4-3	"	1605	"	"	1	X	
5542	LMRV-SP4-4	"	1610	"	"	1	X	
5543	LMRV-SP4-5	"	1618	"	"	1	X	
5544	LMRV-SP4-6	"	1622	"	"	1	X	
5545	LMRV-SP4-7	"	1628	"	"	1	X	
5546	LMRV-SP4-8	"	1634	"	"	1	X	

STOP ANALYSES IF SAMPLE RESULT IS GREATER THAN 3000 mg/kg - DAVE WILL CALL MIC MORRIS

SAMPLE INTEGRITY

HOLDING TIME
CORRECT CONTAINER

	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
HOLDING TIME	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
CORRECT CONTAINER	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY	DATE:	3. RELINQUISHED BY:	DATE:
SIGNATURE:	3/24/92	SIGNATURE:	3/24/92	SIGNATURE:	
PRINTED NAME: DAVID A. EMINHIZER	TIME: 1645	PRINTED NAME: TOM RICH	TIME: 1739	PRINTED NAME:	TIME:
COMPANY: HALLIBURTON NUS		COMPANY: QA LAB		COMPANY:	
1. RECEIVED BY:	DATE: 3/24/92	2. RECEIVED BY:	DATE: 3/24/92	3. RECEIVED BY:	DATE:
SIGNATURE:	TIME: 1645	SIGNATURE:	TIME: 1816	SIGNATURE:	TIME:
PRINTED NAME: TOM RICH		PRINTED NAME:		PRINTED NAME:	
COMPANY: QA LAB		COMPANY:		COMPANY:	

SAMPLE RECEIPT	
RECEIVED ON ICE	YES / NO
TAPE SEAL INTACT	YES / NO / N/A
PRESERVATIVE	YES / NO
PRECAUTIONS:	

SPECIAL INSTRUCTIONS

TAT REQUESTED: URGENT

HALLIBURTON NUS

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

APPENDIX E

SOIL DISPOSAL MANIFESTS AND RECEIPTS

SOUTHWEST DISPOSAL

RECEIPT OF SOILS AND LANDFARM COMMENCEMENT ADVISORY LETTER

May 28, 1992

To Whom It May Concern:

Soils received by Southwest Disposal on 5-21-92, from La Mesa R.V. Center at 7601 Alvarado Road in La Mesa CA are currently in the process of being landfarmed. Once these soils have reached below California non-hazardous levels (non-detect per STLC, TTLC) they will be used for cover material and roadbase, thus establishing them as a recycled and reused solid waste.

Test results of your soils current level can be made available upon your request. There is a $250.00 charge for testing. You may contact our Montebello office for information concerning testing of landfarmed soils at (213) 724-3918.

The aforementioned soils pertain to Non-Hazardous Data Form numbers: 11283, 11285, 11276, 11278, 11286, 11279, 11281, 11282, 11280, 11291, 11289, 11277.

Sincerely,

Harold A. Arsenian
Hazardous Waste Coordinator

1228 S. 14TH STREET • MONTEBELLO CA 90640 • (213)724-3918
PO BOX 967 • YUMA AZ 85366-0967 • (602)341-9123

NO. 11276

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa, Ca 91941

PHONE NO. 619 462-5600

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE — 5/20/92 DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt Trans.

ADDRESS 350 S. Maple Suite E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona, Ca. 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

HAL SLUNGER — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-21-92 DATE

TRUCK, UNIT, I.D. NO. 202-227

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy. 95 & County 15½

☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO 602-341-9123

DARREL EVANS — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-21-92 DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11277

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91941

PHONE NO. 619-462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE — 5/20/92 DATE

TRANSPORTER

NAME Hoyt Trans. EPA I.D. NO. [redacted]

ADDRESS 350 S. Maple Suite E SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona, Ca 91720 PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 61 62

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME Southwest Disposal EPA I.D. NO. [redacted]

ADDRESS Hwy 95 + County 15½ DISPOSAL METHOD

CITY, STATE, ZIP Somerton Az. 85350 ☐ LANDFILL ☑ OTHER Treatment

PHONE NO. 602-341-9123

DARREN EVANS — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-21-92 DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

HALLIBURTON NUS

#4

NO. 11278

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91941

PHONE NO. 619.462-5160

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt Trans.

ADDRESS 350 S. Maple Suite E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona, Ca. 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 5

ROBERT E. ATKINS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 & County 15½

☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO. 602-341-9123

ROB DARRIN EVANS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11279

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. 5W052192

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa, Ca. 91941

PHONE NO. 619-462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt Trans.

ADDRESS 350 S. Maple Suite E.

CITY, STATE, ZIP Corona, Ca 91720

SERVICE ORDER NO. _____

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 440

DON FARIS Don Faris 5/21/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

ADDRESS Hwy 95 + County 15½

CITY, STATE, ZIP Somerton, Az. 85350

PHONE NO. 602-341-9123

DISPOSAL METHOD

☐ LANDFILL ☑ OTHER Treatment

DARREN EVONS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

#9

NO. 11280

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME La Mesa RV Center — EPA I.D. NO. [redacted]

ADDRESS 7601 Alvarado Rd. — PROFILE NO. [redacted]

CITY, STATE, ZIP La Mesa Ca. 91944 — PHONE NO. 619, 462-5660

CONTAINERS: No. 1 — VOLUME _____ — WEIGHT 23tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil — GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead HIC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME Holt Trans. — EPA I.D. NO. [redacted]

ADDRESS 350 S. Maple Suite E. — SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca. 91720 — PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. T301 60TR — 5/21/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME Southwest Disposal — EPA I.D. NO. [redacted]

ADDRESS Hwy 95 & County 15½ — DISPOSAL METHOD: ☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO. 602-341-9123

DARREN EVANS — 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

#7

NO. 11281

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

ADDRESS 7601 Alvarado Rd.

PROFILE NO. [redacted]

CITY, STATE, ZIP La Mesa Ca. 91944

PHONE NO. 619 462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	7 pm 2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt. Trans.

ADDRESS 350 S. Maple Suite

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 50

Greg Lopez 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 + County 15 1/2

☐ LANDFILL ☑ OTHER _____

CITY, STATE, ZIP Somerton, Az. 85350

Treatment

PHONE NO. 602-341-9123

DARREN EVANS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11282

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91941

PHONE NO. 619-462-5160

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

James R. Kimbrell 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hoyt Trans.

ADDRESS 350 S. Maple Suite E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca. 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 40-

Traci A. Ballard 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy. 95 + County 15 1/2

☐ LANDFILL ☑ OTHER _____

CITY, STATE, ZIP Somerton Az 85350

Treatment

PHONE NO. 602-341-9123

Darren Evans 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11283

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91944

PHONE NO. 619-462-5601

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hart Trans.-Surrance

ADDRESS 350 S. Maple Suite E

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca. 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 556

Michael J Clay 5/21/92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

DISPOSAL METHOD

NAME Southwest Disposal

ADDRESS Hwy 95 + County 15 1/2

☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO 602-341-9123

Darren Evans 5-21-92
TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

HALLIBURTON NUS

NO. 11285

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

ADDRESS 7601 Alvarado Rd.

PROFILE NO. [redacted]

CITY, STATE, ZIP La Mesa Ca. 91944

PHONE NO. 619.462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hout Trans.

ADDRESS 350 S. Maple Suite E

SERVICE ORDER NO. 12781

CITY, STATE, ZIP Corona Ca. 91720

PICK UP DATE 5-21-92

PHONE NO. 714-734-3191

60-50T TRUCK, UNIT, I.D. NO. 307629

Frank Rodriguez [signature] 5/21/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 + County 15 1/2

☐ LANDFILL ☑ OTHER _____

CITY, STATE, ZIP Somerton Az. 85350

Treatment

PHONE NO. 602-341-9123

DARREN EVANS [signature] 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11286

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME La Mesa RV Center

PROFILE NO. [redacted]

ADDRESS 7601 Alvarado Rd.

CITY, STATE, ZIP La Mesa Ca. 91944

PHONE NO. 619.462-5600

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 tons

TYPE: ☐ TANK TRUCK ☑ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. Lead TTLC	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☑ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE — 5/20/92 DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME Hart. Trans.

ADDRESS 360 S. Maple Suite E

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona Ca. 91720

PICKUP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 10-10A

Peter Minetti — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-20-92 DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME Southwest Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 + County 15 1/2

☐ LANDFILL ☑ OTHER Treatment

CITY, STATE, ZIP Somerton Az. 85350

PHONE NO. 602-311-9173

Darren Evans — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-21-92 DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HW/DF NONE

DISCREPANCY

NO. 11289

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA CA 91944

PHONE NO. 619 462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA, CA 91720

PICK UP DATE 5-21-92

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 5-4

DUANE ULRICH Duane Ulrich 5/21/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS HWY 95 & COUNTY 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

DARLENE EVANS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HW/DF NONE

DISCREPANCY

HALLIBURTON NUS

NO. 11291

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619 462-5600

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HEIT TRANS.

ADDRESS 350 S. Maple Suite E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP Corona CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. CT3T12

Edward J Richardson 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS Hwy 95 & County 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

DARREN EVANS 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

SOUTHWEST DISPOSAL

RECEIPT OF SOILS
AND
LANDFARM COMMENCEMENT
ADVISORY LETTER

May 28, 1992

To Whom It May Concern:

Soils received by Southwest Disposal on 5-22-92, from La Mesa R.V. Center at 7601 Alvarado Road in La Mesa CA are currently in the process of being landfarmed. Once these soils have reached below California non-hazardous levels (non-detect per STLC, TTLC) they will be used for cover material and roadbase, thus establishing them as a recycled and reused solid waste.

Test results of your soils current level can be made available upon your request. There is a $250.00 charge for testing. You may contact our Montebello office for information concerning testing of landfarmed soils at (213) 724-3918.

The aforementioned soils pertain to Non-Hazardous Data Form numbers: 11292, 11295, 11296, 11299, 11297, 11298, 11293, 11294.

Sincerely,

Harold A. Arsenian
Hazardous Waste Coordinator

1228 S. 14TH STREET • MONTEBELLO CA 90640 • (213)724-3918
PO BOX 967 • YUMA AZ 85366-0967 • (602)341-9123

HALLIBURTON NUS

NO. 11292

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD.

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619,462-5260

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME HOYT TRANS.

EPA I.D. NO. [redacted]

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

CT-6 TRUCK, UNIT, I.D. NO. T-10

GREG KNOTH 5-21-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME SOUTHWEST DISPOSAL

EPA I.D. NO. [redacted]

ADDRESS HWY 95 & COUNTY 15 1/2

DISPOSAL METHOD

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP ~~[illegible]~~ SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

Melanie Davis 5/22/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3005

NO. 11293

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619-462-5600

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

James R. Kimbrell

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE

5/20/92 — DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 440

DON FARIS — TYPED OR PRINTED FULL NAME & SIGNATURE

Don Faris 5/22/92 — DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS Hwy 95 & County 15 1/2

☐ LANDFILL ☒ OTHER TREATMENT

CITY, STATE, ZIP Somerton, AZ 85350

PHONE NO. 602-341-9123

S. SCOTT MAGANA

TYPED OR PRINTED FULL NAME & SIGNATURE

22 MAY 92 — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3086

NO. 11294

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619.462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS.

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH _____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA, CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

HAL HULSINGER 5-22-92

TRUCK, UNIT, I.D. NO. 202-227

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS HWY 95 & COUNTY 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

S. SCOTT MANAGER

5-22-92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

HALLIBURTON NUS

NO. 11295

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

ADDRESS 7601 ALVARADO RD

PROFILE NO. [redacted]

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619,462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUTE E.

SERVICE ORDER NO. 12782

CITY, STATE, ZIP CORONA, CA 91720

PICK UP DATE 5-22-92

PHONE NO. 714-734-3191

60 SOT 307629 FRANK RODRIGUEZ 5-22-92

TRUCK, UNIT, I.D. NO. TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS Hwy 95 & County, 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON AZ. 85350

TREATMENT

PHONE NO. 602-341-9123 S. SCOTT MAGAÑA

22 MAY 92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3001

NO. 11296

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD.

CITY, STATE, ZIP LA MESA, CA 91941

PHONE NO. 619 462-5060

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA, CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 10-10A

PETER MINETTI 5-21-9

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS HWY 95 & COUNTY 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP SOMERTON, AZ. 85350

TREATMENT

PHONE NO. 602-341-9123

S. SCOTT MAGAÑA

TYPED OR PRINTED FULL NAME & SIGNATURE

21 MAY 92

DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3004

NO. 11297

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619,462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION CONTAMINATED SOIL GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE

5/20/92 — DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA CA 91720

PICK UP DATE _____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. #5 #3

ROBERT E. ATKINS — TYPED OR PRINTED FULL NAME & SIGNATURE

5-21-92 — DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST DISPOSAL

DISPOSAL METHOD

ADDRESS HWY 95 & COUNTY 15 1/2

☐ LANDFILL ☒ OTHER TREATMENT

CITY, STATE, ZIP SOMERTON, AZ. 85350

PHONE NO. 602-341-9123

S. SCOTT MACARO

TYPED OR PRINTED FULL NAME & SIGNATURE

MAR 92 — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3003

NO. 11298

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

EPA I.D. NO. [redacted]

NAME LA MESA RV CENTER

PROFILE NO. [redacted]

ADDRESS 7601 ALVARADO RD

CITY, STATE, ZIP LA MESA, CA 91944

PHONE NO. 619.462-5660

CONTAINERS: No. 1 VOLUME _____ WEIGHT 23 TONS.

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER _____

WASTE DESCRIPTION Contaminated Soil GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

EPA I.D. NO. [redacted]

NAME HOYT TRANS.

ADDRESS 350 S. MAPLE SUITE E.

SERVICE ORDER NO. _____

CITY, STATE, ZIP CORONA CA 91720

PICK UP DATE 5-22-92

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. S-4

DUANE W. RICH — 5-22-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

EPA I.D. NO. [redacted]

NAME SOUTHWEST Disposal

DISPOSAL METHOD

ADDRESS Hwy 95 & County 15 1/2

☐ LANDFILL ☒ OTHER _____

CITY, STATE, ZIP Somerton, AZ 85350

TREATMENT

PHONE NO. 602-341-9123

S. Scott MAGANN

22 MAY 92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

3002 Yellow

NO. 11299

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LA MESA RV CENTER — EPA I.D. NO. [redacted]

ADDRESS 7601 ALVARADO RD. — PROFILE NO. 5005292

CITY, STATE, ZIP LA MESA, CA 91941 — PHONE NO. 619,462-5060

CONTAINERS: No. 1 — VOLUME ____ — WEIGHT 23 TONS.

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER ____

WASTE DESCRIPTION Contaminated Soil — GENERATING PROCESS UST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ____

HANDLING INSTRUCTIONS: ____

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — TYPED OR PRINTED FULL NAME & SIGNATURE — 5/20/92 DATE

TRANSPORTER

NAME HOYT TRANS. — EPA I.D. NO. [redacted]

ADDRESS 350. S. MAPLE SUITE E. — SERVICE ORDER NO. ____

CITY, STATE, ZIP CORONA CA 91720 — PICK UP DATE ____

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 61 & 62 — Don Neva — TYPED OR PRINTED FULL NAME & SIGNATURE — 5-22-92 DATE

TSD FACILITY

NAME SOUTHWEST DISPOSAL — EPA I.D. NO. [redacted]

ADDRESS HWY 95 & COUNTY 15 1/2 — DISPOSAL METHOD: ☐ LANDFILL ☒ OTHER ____

CITY, STATE, ZIP SOMERTON AZ. 85350 — TREATMENT

PHONE NO. 602-341-9123 S. SCOTT MAGAÑA

TYPED OR PRINTED FULL NAME & SIGNATURE — 22 MAY 92 DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/O		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

SOUTHWEST DISPOSAL

RECEIPT OF SOILS
AND
LANDFARM COMMENCEMENT
ADVISORY LETTER

May 28, 1992

To Whom It May Concern:

Soils received by Southwest Disposal on 5-25-92, from La Mesa R.V. Center at 7601 Alvarado Road in La Mesa CA are currently in the process of being landfarmed. Once these soils have reached below California non-hazardous levels (non-detect per STLC, TTLC) they will be used for cover material and roadbase, thus establishing them as a recycled and reused solid waste.

Test results of your soils current level can be made available upon your request. There is a $250.00 charge for testing. You may contact our Montebello office for information concerning testing of landfarmed soils at (213) 724-3918.

The aforementioned soils pertain to Non-Hazardous Data Form numbers: 11300.

Sincerely,

Harold A. Arsenian
Hazardous Waste Coordinator

1228 S. 14TH STREET • MONTEBELLO CA 90640 • (213)724-3918
PO BOX 967 • YUMA AZ 85366-0967 • (602)341-9123

NO. 11300

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LA MESA RV CENTER — EPA I.D. NO. [redacted]

ADDRESS 7601 ALVARADO RD. — PROFILE NO. [redacted]

CITY, STATE, ZIP LA MESA, CA 91944 — PHONE NO. 619.462-5660

CONTAINERS: No. 1 — VOLUME — WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION CONTAMINATED Soil — GENERATING PROCESS VST Removal

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.009	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS:

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — 5/20/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME HOYT TRANS. — EPA I.D. NO. [redacted]

ADDRESS 350 S. MAPLE SUITE E. — SERVICE ORDER NO.

CITY, STATE, ZIP CORONA, CA 91720 — PICK UP DATE

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 30

Erica Lopez — Erica Lopez — 5-22-92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME SOUTHWEST DISPOSAL — EPA I.D. NO. [redacted]

ADDRESS Hwy 95 & County 15½ — DISPOSAL METHOD

CITY, STATE, ZIP Somerton Az 85350 — ☐ LANDFILL ☒ OTHER TREATMENT

PHONE NO. 602-341-9123

[illegible] — 5/25/92

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY

HALLIBURTON NUS

SOUTHWEST DISPOSAL

RECEIPT OF SOILS
AND
LANDFARM COMMENCEMENT
ADVISORY LETTER

May 28, 1992

To Whom It May Concern:

Soils received by Southwest Disposal on 5-23-92, from La Mesa R.V. Center at 7601 Alvarado Road in La Mesa CA are currently in the process of being landfarmed. Once these soils have reached below California non-hazardous levels (non-detect per STLC, TTLC) they will be used for cover material and roadbase, thus establishing them as a recycled and reused solid waste.

Test results of your soils current level can be made available upon your request. There is a $250.00 charge for testing. You may contact our Montebello office for information concerning testing of landfarmed soils at (213) 724-3918.

The aforementioned soils pertain to Non-Hazardous Data Form numbers: 11301.

Sincerely,

Harold A. Arsenian
Hazardous Waste Coordinator

1228 S. 14TH STREET • MONTEBELLO CA 90640 • (213)724-3918
PO BOX 967 • YUMA AZ 85366-0967 • (602)341-9123

NO. 11301

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME LA MESA RV CENTER — EPA I.D. NO. [redacted]

ADDRESS 7001 ALVARADO RD. — PROFILE NO. [redacted]

CITY, STATE, ZIP LA MESA CA 91944 — PHONE NO. 619 462-5060

CONTAINERS: No. 1 — VOLUME — WEIGHT 23 TONS

TYPE: ☐ TANK TRUCK ☒ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION CONTAMINATED SOIL — GENERATING PROCESS UST REMOVAL

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. TTLC LEAD	92	.0092	5.		
2. TRPH	2360	.236	6.		
3.			7.		
4.			8.		

PROPERTIES: pH ____ ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS:

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

JAMES R. KIMBRELL — 5/20/92
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

NAME HOYT TRANS. — EPA I.D. NO. [redacted]

ADDRESS 350 S. MAPLE SUITE E. — SERVICE ORDER NO.

CITY, STATE, ZIP CORONA CA 91720 — PICK UP DATE 5-22-92

PHONE NO. 714-734-3191

TRUCK, UNIT, I.D. NO. 80

Mike Hoyt — 5-22-92
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME SOUTHWEST DISPOSAL — EPA I.D. NO. [redacted]

ADDRESS HWY 95 & COUNTY 15 1/2 — DISPOSAL METHOD

CITY, STATE, ZIP SOMERTON AZ. 85350 — ☐ LANDFILL ☒ OTHER TREATMENT

PHONE NO. 602-341-9123

Melissa Mejia — 5/23/92
TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/Q		RT/CD	HWDF NONE	DISCREPANCY

HALLIBURTON NUS

RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

TICKET#: 2108 DATE: 08-23-92 TIME 17:08
CUSTOMER 0
FLOW# 2 JOB 0 PO#

GROSS 29.40TON
TARE 19.37TON

NET 10.03TON

RATE 1 $8.50 PER TON -MINIMUM DUE:
$0.00

CUSTOMER SIGNATURE:

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
T TKT#: 8151 DATE: 05-25-92 TIME 08:59
CUSTOMER 0
TRUCK# 1 JOB 0 PO#

GROSS 40.00TON
TARE 15.23TON

NET 24.77TON

RATE @ $8.50 PER TON -MINIMUM DUE:
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****
CEIVED AT:
OUTHERN SANITATION
MA ARIZONA
****
WT TKT#: 1 DATE: 05-21-92 TIME 23:36
STOMER C
UCK# 1 JOB 0 PO#

GEE 38.56TON
RE 16.34TON

22.22TON

TE @ $0.00 PER TON -AMOUNT DUE :
$0.00

STOMER SIGNATURE:
****

[redacted]

****

RECEIVED AT:
SOUTHERN SANITATION
[redacted] ARIZONA

****

[redacted] 3 DATE: 05-21-92 TIME 23:47
CUSTOMER 0

[redacted] 0 JOB 0 PO#

[redacted] 39.79TON
[redacted] 19.58TON

[redacted] 20.21TON

[redacted] $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:

****

****
RECEIVED AT:
NORTHERN SANITATION
YUMA ARIZONA

****
TKT#: 4 DATE: 05-21-92 TIME 23:54
CUSTOMER 0
LOG# 0 JOB 0 PO#

GROSS	36.10TON
TARE	15.12TON

NET	20.98TON

RATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
AT TKT#: 5 DATE: 05-21-92 TIME 23:57
CUSTOMER 0
TRUCK# A JOB 0 PO#

GOSS	38.00TON
TARE	15.32TON
NET	22.68TON

RATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****

RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****

WT TKT#: 2 DATE: 05-21-92 /TIME 23:42
CUSTOMER
TRUCK# 5 JOB 0 PO#

GROSS	38.85TON
TARE	14.64TON
NET	24.21TON

RATE 1 $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:

****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
T.T.T#: 12 DATE: 05-22-92 TIME 00:41
CUSTOMER 0
[illegible] 11 COS 0 PO#

GROSS	39.18TON
TARE	16.51TON
NET	22.67TON

RATE $ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

RECEIVED AT:
SOUTHERN SANITATION
[illegible] ARIZONA

TKT#: 5 DATE: 05-21-92 TIME 23:58
CUSTOMER 0
[illegible] 5 JOB 0 PO#

GROSS	36.29TON
TARE	17.72TON
NET	18.57TON

RATE 3 $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
MA ARIZONA

****
TKT#: 9 DATE: 05-22-92 TIME 00:36
CUSTOMER 0
[illegible] 9 JOB 0 PO#

[illegible]	39.75TON
[illegible]	15.06TON

[illegible]	24.69TON

[illegible]TE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****
ECEIVED AT:
OUTHERN SANITATION
UMA ARIZONA

****
T TKT#: 8 DATE: 08-22-92 TIME 00:34
USTOMER 0
RUCK# 7 JOB 0 PO#

ROSS 37.14TON
ARE 15.27TON

ET 21.87TON

ATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

USTOMER SIGNATURE:
****

HALLIBURTON NUS

****
EDEIVED AT:
SOUTHERN SANITATION
UMA ARIZONA

****
T TKT#: 7 DATE: 05-22-92 TIME 00:32
USTOMER 0
ROD # 8 JOB 0 PO#

ROSS	35.29TON
TARE	15.79TON

ET	19.50TON

ATE 8 $0.00 PER TON -AMOUNT DUE :
$0.00

USTOMER SIGNATURE:
****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
[illegible] DATE: 05-22-92 TIME 00:39
CUSTOMER 0
TRUCK# 12 JOB 0 PO#

GROSS	36.55TON
TARE	16.13TON
NET	20.42TON

RATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
[illegible]MA ARIZONA

****
[illegible] TKT#: 10 DATE: 05-22-92 TIME 00:37
[illegible]STOMER 0
[illegible] # 10 JOB 0 PO#

[illegible]OSS	37.65TON
[illegible]ARE	15.62TON

[illegible]	22.03TON

[illegible]ATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

[illegible]STOMER SIGNATURE:
********** **********

HALLIBURTON NUS

[redacted]

[redacted]
[redacted]
[redacted]

[redacted]
[redacted]
[redacted]

[redacted]

[redacted]

****
ECEIVED AT:
OUTHERN SANITATION
MA ARIZONA

****
T TKT#: 8033 DATE: 05-22-92 TIME 10:12
STOMER 0
OB# 3000 JOB 0 PO#

ROSS	35.52TON
TARE	15.29TON
T	20.23TON

ATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

USTOMER SIGNATURE:
****

****
EIVED AT:
ERN SANITATION
ARIZONA

****
T#: 3036 DATE: 05-22-91 TIME 11:03
MER 0
M 3001 JOB 0 PO#

35.57TON
14.64TON

20.93TON

3 $0.00 PER TON -AMOUNT DUE :
$0.00

OMER SIGNATURE:
****

HALLIBURTON NUS

****

VEL AT:
THERA SANITATION
ARIZONA

****

KT#: 5041 DATE: 05-22-92 TIME 11:14
MER 0
3102 JOB 0 PO#

37.99TON
16.28TON

21.71TON

@0.00 PER TON -AMOUNT DUE :
$0.00

OMER SIGNATURE:
****

HALLIBURTON

[redacted]

[redacted]

[redacted]

****
EIVED AT:
THERN SANITATION
A ARIZONA

****
TKT#: 8069 DATE: 05-22-92 TIME 13:02
STOMER 0
CK# 3000 JOB 0 PO#

EE	36.09TON
E	16.13TON

	19.96TON

E @ $0.00 PER TON -AMOUNT DUE :
$0.00

TOMER SIGNATURE:
****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YUMA ARIZONA

****
T TXT#: 5094 DATE: 05-22-92 TIME 14:20
USTOMER 0
TTLON# 3005 JOB 0 PO#

GROSS	38.93TON
TARE	17.79TON

NET	21.14TON

RATE @ $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS

****
RECEIVED AT:
SOUTHERN SANITATION
YMA ARIZONA

****
TNT#: 8096 DATE: 05-22-92 TIME 14:02
CUSTOMER 0
[illegible]

GROSS	33.33TON
TARE	15.37TON
	17.96TON

[illegible] $0.00 PER TON -AMOUNT DUE :
$0.00

CUSTOMER SIGNATURE:
****

HALLIBURTON NUS
Environmental Corporation

16885 WEST BERNARDO DRIVE • SUITE 100 • SAN DIEGO, CALIFORNIA 92127 • (619) 451-2131

April 27, 1992

County of San Diego
Department of Health Services
Environmental Health Services (HMMD)
1255 Imperial Avenue, 3rd Floor
San Diego, California 92101

Attention: Mr. Mo Lahsaieza

Subject: La Mesa RV Center
Assessment Case No. T0427/H02651-001
Request for Class III Landfill Disposal
of Hydrocarbon Contaminated Soil

Gentlemen:

At the request of Mr. James Buckner, on behalf of the owners of the La Mesa RV Center, HALLIBURTON NUS Environmental Corporation (HALLIBURTON NUS) has provided environmental engineering consultation services for the subject property. The property is located at 7601 Alvarado Road in La Mesa, California. The approximate location of the site is depicted on the Vicinity Map, Figure 1.

HALLIBURTON NUS is presently preparing a report that contains the results of site exploration activities that were performed by HALLIBURTON NUS during March 1992. The report will likely be completed in May 1992. The purpose of this letter is to request Class III landfill disposal of three soil stockpiles generated during tank rmoval activities (February 1988) and site assessment and mitigation activities performed during March 1992. In accordance with the County of San Diego "Site Assessment and Mitigation Manual", prepared by the Department of Health Services, Environmental Health Services in January 1992, HALLIBURTON NUS has provided those items listed in "Stockpile Soil Sampling Protocol", Section 3, page 6, item 6 for each of the three soil stockpiles.

April 27, 1992
Project No. 2N60

BACKGROUND

During May 1988, four underground storage tanks (UST's) were excavated and removed from the subject site. These included one gasoline tank and three tanks used for the storage of either new or used oil. Excavation work performed by the contractor generated a soil stockpile of approximately 20 cubic yard capacity from the former gasoline UST location. This soil was stockpiled on-site in the southwest corner of the property. For the purposes of this letter, this stockpile will be referred to as Soil Stockpile No. 1.

During the recent performance of soil assessment and mitigation activities by HALLIBURTON NUS, three additional soil stockpiles were generated as the result of the excavation of soil from the previously referenced gasoline tank excavation, the former used and new oil tank excavation (originally containing three tanks), and the vadose zone between the two excavations. Approximately 80 cubic yards of soil excavated from the vadose zone between the two former UST locations is identified in this letter as Soil Stockpile No. 2. Approximately 100 cubic yards of soil excavated from the former gasoline UST location is identified in this letter as Soil Stockpile No. 3. Soil Stockpile No. 4, comprising approximately 200 cubic yards of soil generated from the excavation of soil from the former used and new oil UST location, while mentioned in this letter, was not found suitable for Class III landfill disposal and is not included in this request for Class III landfill disposal. Each of the stockpiles at the site was placed on an asphalt surface and covered with visqueen pending its disposal following regulatory guidelines. The approximate location of the soil stockpiles is depicted on the Stockpile Location Map, Figure 2.

On March 24, 1992, HALLIBURTON NUS personnel obtained 19 soil samples from the four soil stockpiles. The soil samples were randomly selected from the stockpiles following the soil sampling protocol as outlined in the County of San Diego 1992 SA/M Manual, Soil Sampling, Section 3, pages 3 through 7. Three soil samples were obtained from Stockpile No. 1, containing approximately 20 cubic yards of soil (see Figure 2).

April 27, 1992
Project No. 2N60

Four soil samples were obtained from Soil Stockpile No. 2, containing approximately 80 cubic yards of soil and four soil samples were obtained from Soil Stockpile No. 3, containing approximately 100 cubic yards of soil (see Figure No. 2). Eight soil samples were obtained from Soil Stockpile No. 4, containing approximately 200 cubic yards of soil (see Figure No. 2). The soil samples were obtained using an Alconox washed and tap water rinsed stainless steel hand auger, placed in laboratory supplied glassware, and delivered to an on-site California Department of Health Services (CDHS) Certified mobile laboratory.

REVIEW OF LABORATORY ANALYSES

The soil samples from Soil Stockpile No. 1 were analyzed for total petroleum hydrocarbons (TPH) by the DHS Method. A review of the results indicates that all three samples did not possess TPH concentrations above the laboratory detection limit of 10 milligrams/kilogram (mg/kg). The soil samples from Soil Stockpile No. 2 were analyzed for total recoverable petroleum hydrocarbons (TRPH) using EPA Method 418.1 A review of the laboratory results for these samples indicates TRPH concentrations of 156 mg/kg, 82 mg/kg, 73 mg/kg, and 312 mg/kg. The soil samples from Soil Stockpile No. 3 were analyzed for TPH using CDHS Method 8015. A review of the laboratory results indicates that three of the four samples possessed TPH concentrations of less than the laboratory detection limit of 10 mg/kg while one sample possessed a TPH concentration of 153.2 mg/kg. The sample possessing the TPH concentration of 153.2 mg/kg was also analyzed for benzene, toluene, xylene, and ethylbenzene (BTXE) using EPA Method 8020, modified for CDHS. A review of the laboratory results indicates concentrations of BTXE of 1.190 mg/kg, .410 mg/kg, 1.390 mg/kg, and 1.180 mg/kg, respectively.

The soil samples from Soil Stockpile No. 4 were analyzed for TRPH using EPA Method 418.1. A review of the laboratory results indicates TRPH concentrations ranging from 156 mg/kg to 24,700 mg/kg. The soil sample possessing a TRPH concentration of 24,700 mg/kg was also analyzed for Title 22 Metals, purgeable halocarbons (EPA Method 8010), total PCB's (EPA Method 8080), cyanide, and flashpoint. For potential

disposal purposes, an additional soil sample was obtained on March 31, 1992 from the location of the highest measured TRPH concentration and analyzed for pH and sulfide. Copies of the laboratory data sheets are provided in Appendix A.

Mr. Mo Lahsaieza of the HMMD indicated that analysis of excavation soil samples for BTXE and organic lead would be useful in assisting in characterizing the soil stockpiles. Please note that in addition to the analyses performed on the soil stockpile samples, one soil sample from the gasoline tank excavation was analyzed for BTXE and organic lead. This sample, possessing the highest measured TPH concentration of the soil samples analyzed from the excavation or the stockpiles, possessed a TPH concentration of 980 mg/kg. A review of the laboratory results indicates BTE concentrations of less than the laboratory detection limit of 1.0 ug/kg and a xylene concentration of 585 ug/kg. The organic lead concentration was less than the laboratory detection limit of 0.5 mg/kg (DHS Method). Copies of these laboratory data sheets are provided in Appendix A.

STOCKPILE STATISTICS

Soil Stockpile No. 1. Since the TPH concentrations of soil samples obtained from Soil Stockpile No. 1 were not above the laboratory detection limits for the method employed, and the organic lead concentration from one excavation soil sample was not above laboratory detection limits, no further statistical analysis of Soil Stockpile No. 1 is likely necessary. Please note that due to the age of the soil stockpile, which is greater than four years, and that relatively low levels of BTXE were observed in the soil samples, analysis of any soil samples from this stockpile for BTXE was deemed unnecessary by Mr. Mo Lahsaieza of the County of San Diego Hazardous Materials Management Division (HMMD). Based on this information, La Mesa RV Center requests regulatory approval for disposal of Soil Stockpile No. 1 at the County of San Diego Class III Landfill at Sycamore Canyon. The "Request For Class III Landfill Disposal of Hydrocarbon Contaminated Soil" form for Soil Stockpile No. 1 is enclosed.

Soil Stockpile No. 2. A total of four soil samples were obtained from Soil Stockpile No. 2 and analyzed for TRPH. The sample mean was calculated to be 155.75, the sample variance at 12233.58, the sample standard deviation at 110.606, the degrees of freedom

at 3, and the standard error of the mean was 55.30. Please refer to the "Stockpile Statistics Worksheet" provided in Appendix B for the completed required calculations. Given that the generally accepted regulatory threshold for disposal of TRPH impacted soil at Class III Landfills is 2000 mg/kg, and soil from Soil Stockpile No. 2 is below this threshold, La Mesa RV Center requests regulatory approval for disposal of Soil Stockpile No. 2 at the County of San Diego Class III Landfill at Sycamore Canyon. The "Request For Class III Landfill Disposal of Hydrocarbon Contaminated Soil" form for Soil Stockpile No. 2 is enclosed.

Soil Stockpile No. 3. A total of four soil samples were obtained from Soil Stockpile No. 3 and analyzed for TPH. The sample mean was calculated to be 38.30, the sample variance at 5867.56, the standard deviation at 76.60, the degrees of freedom at 3, and the standard error of the mean at 38.30. Please refer to the "Stockpile Statistics Worksheet" provided in Appendix B for the completed required calculations. Given that the generally accepted regulatory threshold for disposal of TPH impacted soil at Class III Landfills is 100 mg/kg, and soil from Soil Stockpile No. 3 is below this threshold, La Mesa RV Center requests regulatory approval for disposal of Soil Stockpile No. 3 at the County of San Diego Class III Landfill at Sycamore Canyon. The "Request For Class III Landfill Disposal of Hydrocarbon Contaminated Soil" form for Soil Stockpile No. 2 is enclosed.

Soil Stockpile No. 4. A total of eight soil samples were obtained from Soil Stockpile No. 4 and analyzed for TRPH. A review of the laboratory results of these analyses indicates that the concentration of TRPH in this soil stockpile exceeds the threshold concentration allowed for the disposal of TRPH impacted soil at County Class III landfills. Based on these results, La Mesa RV Center is planning to dispose of this soil stockpile at an approved Class II landfill. Additional analyses were performed on the soil from this stockpile and the results were submitted to the In-koo-pah Indian Reservation for their acceptance of the soil for disposal at their facility. A representative of the La Mesa RV Center has indicated that the Indian Reservation has accepted the soil for disposal.

April 27,1992
Project No. 2N60

Based on the results of the analysis of the soil samples obtained from the four soil stockpiles located on the subject site, La Mesa RV Center requests HMMD and Regional Water Quality Control Board (RWQCB) approval for the disposal of Soil Stockpile Nos. 1, 2, and 3, totaling an estimated 200 cubic yards, at the County of San Diego Class III Landfill at Sycamore Canyon. If there are any questions regarding the above information, please contact the undersigned at your convenience.

Sincerely,

David A. Eminhizer
Site Manager, San Diego District
Southwest Region

Colin Young
Manager, San Diego District
Southwest Region

DAE

(1) Addressee
(1) La Mesa RV Center
Attention: Mr. James Buckner
(1) Regional Water Quality Control Board
Attention: Mr. Jim Munch

Enclosures: Appendix A
Appendix B
"Requests For Class III Landfill Disposal of Hydrocarbon Contaminated Soil"

REQUEST FOR CLASS III LANDFILL DISPOSAL

OF

HYDROCARBON CONTAMINATED SOIL

FOR

7601 ALVARADO ROAD

LA MESA, CALIFORNIA

Prepared for:

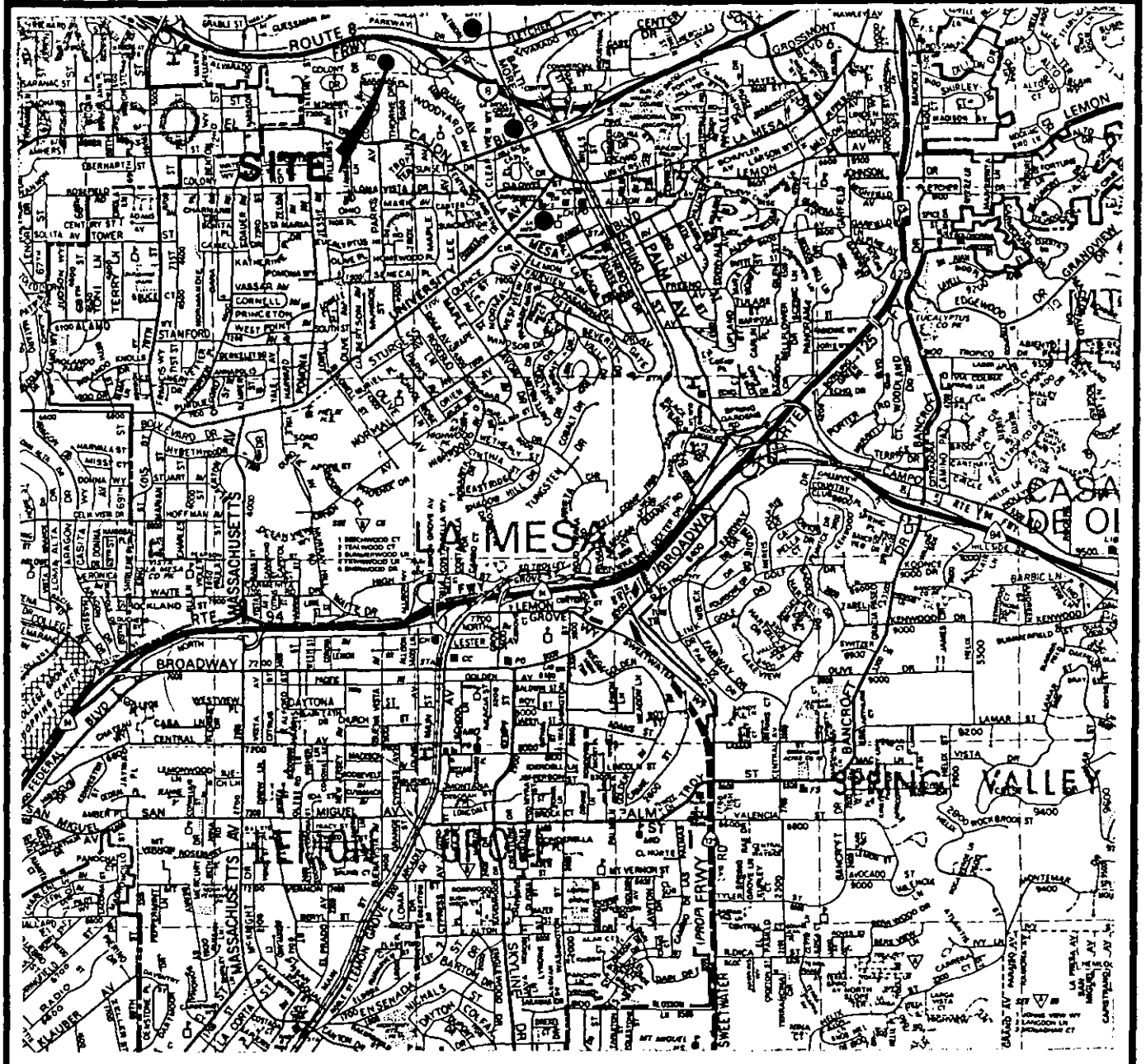
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION

Prepared by:

HALLIBURTON NUS ENVIRONMENTAL CORPORATION
16885 West Bernardo Drive, Suite 100
San Diego, California

APRIL 1992

DATE APRIL 1992 (REV. 0)	PROJECT NO. 2N60	FIGURE NO. 1



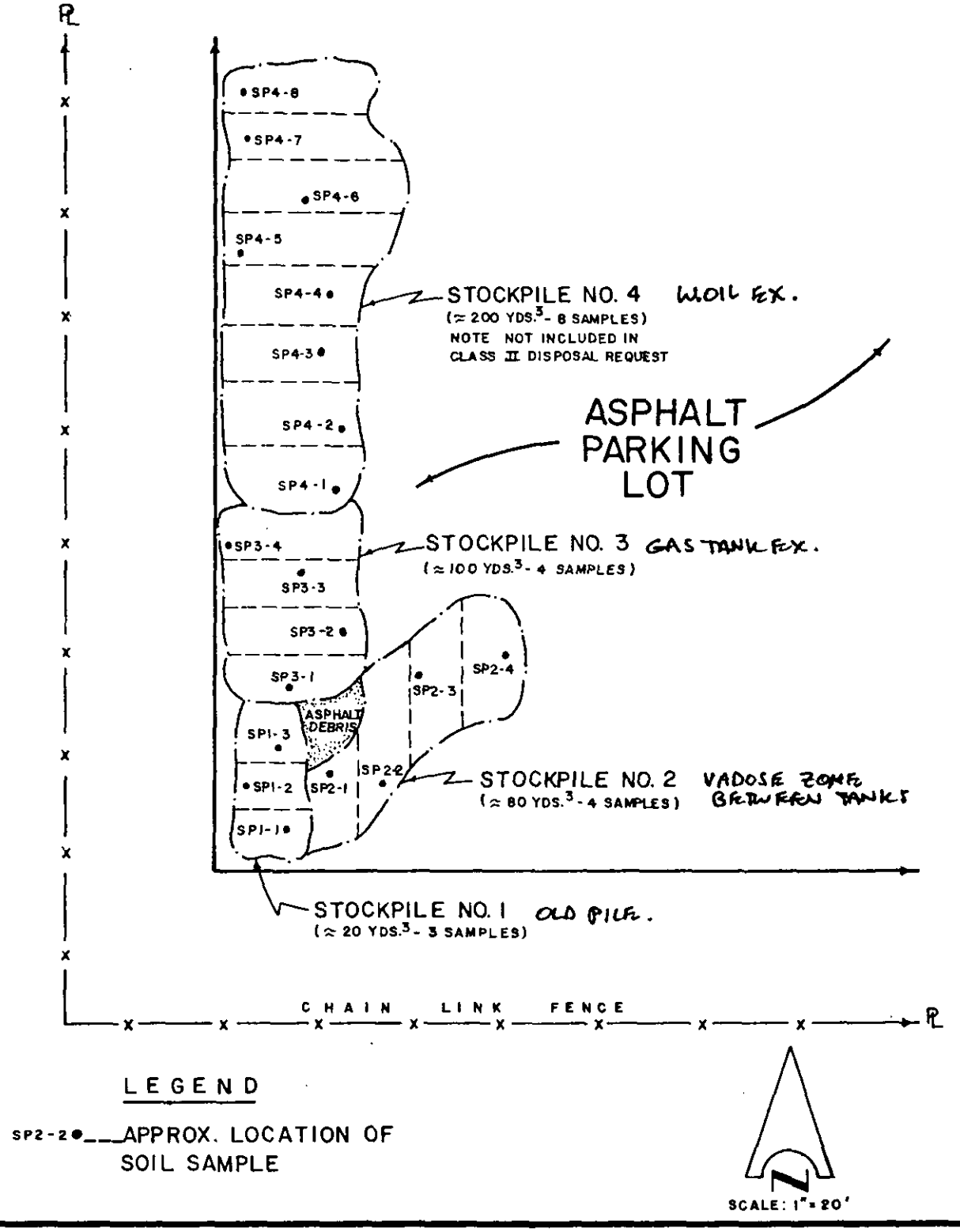
REF. MAP : 1989 SAN DIEGO THOMAS BROS. GUIDE PG. 62

SCALE : 1" = 2900'

VICINITY MAP

LA MESA RV CENTER
LA MESA, CALIF.

DATE: APRIL 1992 (REV. 0)	PROJECT NO. 2N60	FIGURE NO. 2



STOCKPILE LOCATION MAP

LA MESA RV CENTER

LA MESA, CALIF.

APPENDIX A

Laboratory Data Sheets

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS
ATTN: DAVE EMINHIZER
16885 W. BERNARDO DR., STE. #100
SAN DIEGO, CA 92127

QUALITY ASSURANCE LABORATORY
MOBILE LAB

(619) 552-3636
6605 Nancy Ridge Drive,
San Diego, CA 92121

Analytical Results Summary

Client Name : Halliburton NUS
Date of Report : March 25, 1992
Sample Date : March 24, 1992 ✓
Analysis Date : March 24, 1992
Project Name : La Mesa RV
Sample Type(s) : Soil

Client Mailing Address:

16885 W. Bernardo Dr.
San Diego, CA. 92127
1 (619) 451-2131

Method: DHS Total Petroleum Hydrocarbons
Units: mg/Kg

Log #	Sample I.D.	Hydrocarbon Range - (C4 - C12)
M365-92C	LMRV-SP1-1	<10
M366-92C	LMRV-SP1-2	<10
M367-92C	LMRV-SP1-3	<10
M372-92C	LMRV-SP3-1	<10
M373-92C	LMRV-SP3-2	<10
M374-92C	LMRV-SP3-3	<10
M375-92C	LMRV-SP3-4	153.2

Quality Control Data:

	LCS #1	200 ppm	179	89% ✓
MS	M372-92C	200 ppm	170	85% ✓
MSD	M372-92C	200 ppm	187	RSD=9.6% ✓

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
MOBILE LAB

(619) 552-3636
6605 Nancy Ridge Drive
San Diego, CA 92121

Analytical Results Summary

Client Name : Halliburton NUS
Date of Report : March 25, 1992
Sample Date : March 24, 1992 ✓
Analysis Date : March 24, 1992
Project Name : La Mesa RV
Sample Type(s) : Soil

Client Mailing Address:

16885 W. Bernardo Dr.
Suite #100,
San Diego, CA. 92127
1 (619) 451-2131

Method: EPA 418.1
Units: mg/Kg

Log #	Sample I.D.	Total Recoverable Petroleum Hydrocarbons
M368-92C	LMRV-SP2-1	156.0
M369-92C	LMRV-SP2-2	82.0
M370-92C	LMRV-SP2-3	73.0
M371-92C	LMRV-SP2-4	312.0

Quality Control Data:

LCS #1 20 ppm	20.5	103% ✓
LCS #2 20 ppm	21.5	RSD=5%

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE MOBILE LABORATORY
CHAIN OF CUSTODY

COMPANY: HALLIBURTON NUS	SITE CONTACT: DAVE EMINHIZER
PROJECT NAME/NUMBER: LMRV	SAMPLER: SAME

Q.A.LAB LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE LOCATION	CONT TYPE	SAMPLE TYPE	ANALYSIS REQUIRED
M365-92C	LMRV-SP1-1	3/24/92		GLASS	SOIL	TPH
M366-92C	LMRV-SP1-2	"		"	"	TPH
M367-92C	LMRV-SP1-3	"		"	"	TPH
M368-92C	LMRV-SP2-1	"		"	"	TRPH
M369-92C	LMRV-SP2-2	"		"	"	"
M370-92C	LMRV-SP2-3	"		"	"	"
M371-92C	LMRV-SP2-4	"		"	"	"
M372-92C	LMRV-SP3-1	"		"	"	TPH
M373-92C	LMRV-SP3-2	"		"	"	"
M374-92C	LMRV-SP3-3	"		"	"	"
M375-92C	LMRV-SP3-4	"		"	"	"

Lab Departure Time: 0715	Site Arrival: 0745
Site Departure: —	Estimated Lab Arrival: —

MAIL RESULTS TO HALLIBURTON, NUS COMPANY: 16885 W BERNARDO DR. ADDRESS: STE #100 STATE: SAN DIEGO CA. ZIP: 92127 ATTN: DAVE EMINHIZER PHONE: 451-2131	RELINQUISHED BY	DATE/TIME	RECEIVED BY
		3/24/92 1645	
	RELINQUISHED BY	DATE/TIME	RECEIVED BY

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	MARCH 26, 1992
DATE RECEIVED	MARCH 24, 1992 ✓
SAMPLING DATE	MARCH 24, 1992
DATE OF FINAL REVIEW	MARCH 25, 1992
ANALYZED BY	SW MC
SAMPLE TYPE	9 SOIL

MARCH 26, 1992

HALLIBURTON NUS ENVIRONMENTAL
ANALYSES RESULTS
SAMPLE TYPE - SOIL

		ANALYSIS:	TRPH		BENZENE		TOLUENE		ETHYLBENZENE		XYLENE	
		PREP/ANALYSIS	3550		5030		5030		5030		5030	
		METHOD:	EPA 418.1		EPA 8020		EPA 8020		EPA 8020		EPA 8020	
LOG NUMBER	SAMPLE ID	UNITS:	MG/KG	DF	UG/KG	DF	UG/KG	DF	UG/KG	DF	UG/KG	DF
5538-92C	LMRV-SP3-4				1,190	50	410	50	1,390	50	1,800	50
5539-92C	LMRV-SP4-1		2,360	25								
5540-92C	LMRV-SP4-2		4,580	50								
5541-92C	LMRV-SP4-3		2,150	25								
5542-92C	LMRV-SP4-4		2,570	25								
5543-92C	LMRV-SP4-5		4,580	50								
5544-92C	LMRV-SP4-6		1,840	25								
5545-92C	LMRV-SP4-7		24,700	500								
5546-92C	LMRV-SP4-8		156									

TRPH - TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSES RESULTS WERE CORRECTED ACCORDINGLY.

PETER SHEN
LABORATORY DIRECTOR

PS/Et

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

MARCH 25, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #5538-92C THROUGH 5546-92C

DATE EXTRACTED: MARCH 25, 1992
DATE ANALYZED: MARCH 25, 1992

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
TRPH	3550/418.1	103%	80%	0%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTALBE RANGE IS 80%-120% RECOVERY.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS 75%-125% RECOVERY.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
MARCH 25, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #5538-92C THROUGH 5546-92C

DATE ANALYZED: MARCH 25, 1992

EXTRACTION METHOD: 5030
ANALYSIS METHOD: 8020
Concentrations were calculated using a 4 point curve of concentrations 2.5, 5, 10 and 20 ppb.

LABORATORY CONTROL STANDARD
A 15 ppb standard verification was run in the sample set up.

METHOD BLANK
NO TARGET ANALYTES WERE DETECTED IN METHOD BLANK. ✓

COMPOUND	%RECOVERY
Benzene	80%
Toluene	85%
Ethylbenzene	96%
Xylenes	112%

SPIKE DATA
A QAL Method Blank was spiked in duplicate with 15 ppb 8020 standard.

COMPOUND	SPIKE % RECOVERY ✓	RELATIVE % DIFFERENCE ✓
Benzene	*	*
Toluene	97%	0%
Ethylbenzene	86%	4%
Xylenes	101%	8%

* Method Blank was not spiked with Benzene.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

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•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS 75%-125% RECOVERY.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 3/24/92 Page 1 of 1

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: HALLIBURTON, NUS	PROJECT NAME/NUMBER:
PROJECT MANAGER: DAVE EMINHIZER	BILLING INFORMATION
ADDRESS: 16885 W. BERNARDO DR	BILL TO:
SAN DIEGO, CA. 92127	ADDRESS:
PHONE: 619-451-2131 ~~584-2612~~ 487-8292	PHONE: PO #:

ANALYSIS REQUEST: Bill at Mobile Lab Prices

24 HR

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	418.1	BTXE
5538-92c	LMRV-SP3-4	3/24/92	1130	SOIL	GLASS	1		X
5539	LMRV-SP4-1	"	1548	"	"	1	X	
5540	LMRV-SP4-2	"	1555	"	"	1	X	
5541	LMRV-SP4-3	"	1605	"	"	1	X	
5542	LMRV-SP4-4	"	1610	"	"	1	X	
5543	LMRV-SP4-5	"	1618	"	"	1	X	
5544	LMRV-SP4-6	"	1622	"	"	1	X	
5545	LMRV-SP4-7	"	1628	"	"	1	X	
5546	LMRV-SP4-8	"	1634	"	"	1	X	

24 PG 18

RECEIVED

SAMPLE INTEGRITY

HOLDING TIME																							
CORRECT CONTAINER																							
							Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:
SIGNATURE: [signature]	3/24/92	SIGNATURE: [signature]	3/24/92	SIGNATURE:	
PRINTED NAME: DAVID A. EMINHIZER	TIME: 1645	PRINTED NAME: TOM RICH	TIME: 1739	PRINTED NAME:	TIME:
COMPANY: HALLIBURTON NUS		COMPANY: QA LAB		COMPANY:	
1. RECEIVED BY:	DATE: 3/24/92	**2. RECEIVED BY:**	DATE: 3/24/92	**3. RECEIVED BY:**	DATE:
SIGNATURE: [signature]		SIGNATURE: [signature]		SIGNATURE:	
PRINTED NAME: TOM RICH	TIME: 1645	PRINTED NAME: John Evan Evan	TIME: 1816	PRINTED NAME:	TIME:
COMPANY: QA LAB		COMPANY: Q A Lab		COMPANY:	

SAMPLE RECEIPT	
RECEIVED ON ICE	YES / NO
TAPE SEAL INTACT	YES / NO / NA
PRESERVATIVE	YES / NO
PRECAUTIONS:	

SPECIAL INSTRUCTIONS: STOP ANALYSES IF SAMPLE RESULT IS GREATER THAN 3000 mg/kg - DAVE WILL CALL MID-MORNING

TAT REQUESTED: URGENT

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	APRIL 9, 1992
DATE RECEIVED	MARCH 31, 1992
SAMPLING DATE	MARCH 31, 1992
DATE OF FINAL REVIEW	APRIL 8, 1992
ANALYZED BY	MM SC
SAMPLE TYPE	1 SOIL
PROJECT NAME	LA MESA RV 2N60

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 5936-92C SAMPLE ID: LMRV-SP4-7A
PH	SW846-9045	UNITS	7.33
SULFIDE	*	MG/KG	0.8

* MOD AOAC 1.013 / STD 4500-C

PETER SHEN
LABORATORY DIRECTOR

PS/ft

2334

Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 3/31/92 Page 1 of 1

CUSTOMER INFORMATION

COMPANY: HALLIBURTON NUS
PROJECT MANAGER: DAVE ERINNIZER
ADDRESS: 16855 West Bernardo DR
Suite 100, San Diego, CA
PHONE: (619) 487-8272

PROJECT INFORMATION

PROJECT NAME/NUMBER: LA MESA RV 8N60

BILLING INFORMATION

BILL TO: SAME
ADDRESS:
PHONE: PO #:

ANALYSIS REQUEST

NUMBER OF CONTAINERS: 1 pt Sulfide

7 DAY

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE
5936-92	LMRV-SP4-7A	3/31/92	1435	Soil	

HOLDING TIME

SAMPLE INTEGRITY

CORRECT CONTAINER

Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N
	X	X																	

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:	SAMPLE RECEIPT	SPECIAL INSTRUCTIONS
SIGNATURE:	3/31/92	SIGNATURE:		SIGNATURE:		RECEIVED ON ICE YES / NO	
PRINTED NAME: DAVID A ERINNIZER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:	TAPE SEAL INTACT YES / NO / NA	
COMPANY: HALLIBURTON NUS	1645	COMPANY:		COMPANY:		PRESERVATIVE YES / NO	
1. RECEIVED BY:	DATE:	2. RECEIVED BY:	DATE:	3. RECEIVED BY:	DATE:	PRECAUTIONS:	
SIGNATURE:	3/31/92	SIGNATURE:		SIGNATURE:			
PRINTED NAME:	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:		TAT REQUESTED: NORMAL
COMPANY:	1650	COMPANY:		COMPANY:			

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

7 DAYS FIRM

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	APRIL 9, 1992
ADDITIONAL REQUEST	MARCH 27, 1992
DATE RECEIVED	MARCH 24, 1992
SAMPLING DATE	MARCH 24, 1992
DATE OF FINAL REVIEW	APRIL 8, 1992
ANALYZED BY	SC SW MC EA JM MV
SAMPLE TYPE	1 SOIL

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 5545-92C SAMPLE ID: LMRV-SP4-7
CYANIDE	SW846-9010	MG/KG	0.011
FLASHPOINT	SW846-1010	DEGREES F	>212
TOTAL PCB	3550/8080	MG/KG	<0.05

PETER SHEN
LABORATORY DIRECTOR

PS/ft

APRIL 9, 1992

HALLIBURTON NUS ENVIRONMENTAL
TITLE 22 - METALS TTLC
SAMPLE TYPE - SOIL

ANALYSIS	METHOD	LOG NUMBER: 5545-92C SAMPLE ID: LMRV-SP4-7 UNITS: MG/KG
ANTIMONY	6010	<2.50
ARSENIC	6010	5.45
BARIUM	6010	42.9
BERYLLIUM	6010	0.151
CADMIUM	6010	<0.400
CHROMIUM	6010	7.30
COBALT	6010	2.91
COPPER	6010	8.47
LEAD	6010	26.7
MERCURY	7471	<0.050
MOLYBDENUM	6010	0.644
NICKEL	6010	1.78
SELENIUM	6010	<2.50
SILVER	6010	<0.200
THALLIUM	6010	<2.50
VANADIUM	6010	33.3
ZINC	6010	52.8

PETER SHEN
LABORATORY DIRECTOR

PS/ft

APRIL 9, 1992

HALLIBURTON NUS ENVIRONMENTAL
DATE OF EXTRACTION/ANALYSIS: 3/31/92
EXTRACTION METHOD: EPA METHOD 5030
ANALYSIS METHOD: EPA METHOD 8010
PURGEABLE HALOCARBONS
SAMPLE TYPE - SOIL

ANALYSIS	DETECTION LIMIT UG/KG	5545-92C LMRV-SP4-7 UG/KG
DICHLORODIFLUOROMETHANE	45.0	ND
CHLOROMETHANE	2.0	ND
VINYL CHLORIDE	4.5	ND
BROMOMETHANE	29.5	ND
CHLOROETHANE	13.0	ND
TRICHLOROFLUOROMETHANE	12.5	ND
1,1-DICHLOROETHENE	3.3	ND
METHYLENE CHLORIDE	6.0	ND
trans-1,2-DICHLOROETHENE	2.5	ND
1,1-DICHLOROETHANE	1.8	ND
CHLOROFORM	1.3	ND
1,1,1-TRICHLOROETHANE	0.8	ND
CARBONTETRACHLORIDE	3.0	ND
1,2-DICHLOROETHANE	0.8	ND
TRICHLOROETHENE	3.0	ND
1,2-DICHLOROPROPANE	1.0	ND
BROMODICHLOROMETHANE	2.3	ND
2-CHLOROETHYLVINYL ETHER	3.3	ND
cis-1,3-DICHLOROPROPENE	8.5	ND
trans-1,3-DICHLOROPROPENE	5.0	ND
1,1,2-TRICHLOROETHANE	0.5	ND
TETRACHLOROETHENE	0.8	13.0
DIBROMOCHLOROMETHANE	2.3	ND
CHLOROBENZENE	6.0	ND
BROMOFORM	5.0	ND
1,1,2,2-TETRACHLOROETHANE	0.8	ND
1,3-DICHLOROBENZENE	8.0	ND
1,4-DICHLOROBENZENE	6.0	ND
1,2-DICHLOROBENZENE	3.8	ND

SAMPLE DILUTED BY A FACTOR OF 5.
THE DETECTION LIMITS AND ANALYSIS RESULTS WERE CORRECTED ACCORDINGLY
OTHER HEAVIER MOLECULAR WEIGHT HYDROCARBONS DETECTED, NOT QUANTIFIABLE BY METHOD.

ND = NONE DETECTED

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

APRIL 8, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #5545-92C

DATE EXTRACTED: MARCH 30, 1992 - TITLE 22 METALS, PCB
DATE ANALYZED: MARCH 30, 1992 - CYANIDE
MARCH 31, 1992 - FLASHPOINT, MERCURY
APRIL 3, 1992 - PCB, TITLE 22 METALS

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
CYANIDE	SW846-9010	89%	98%	7%
FLASHPOINT	SW846-1010	98%		0%
PCB	3550/8080	105%	91%	6%
TITLE 22 METALS (TTLC)				
ANTIMONY	3050/6010	92%	58%	11%
ARSENIC	3050/6010	102%	78%	6%
BARIUM	3050/6010	91%	76%	17%
BERYLLIUM	3050/6010	94%	80%	12%
CADMIUM	3050/6010	90%	65%	8%
CHROMIUM	3050/6010	92%	60%	15%
COBALT	3050/6010	92%	64%	10%
COPPER	3050/6010	91%	83%	3%
LEAD	3050/6010	92%	40%	0%
MERCURY	7471	102%	88%	17%
MOLYBDENUM	3050/6010	95%	65%	9%
NICKEL	3050/6010	93%	63%	4%
SELENIUM	3050/6010	100%	118%	5%
SILVER	3050/6010	88%	68%	35%*
THALLIUM	3050/6010	90%	54%	21%
VANADIUM	3050/6010	92%	62%	13%
ZINC	3050/6010	92%	63%	1%

* SPIKE CONTAINED HIGH CONCENTRATIONS OF TARGET COMPOUNDS THEREFORE, THE SPIKE PERCENT RECOVERIES WERE HIGH.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
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QUALITY CONTROL REPORT, CONTINUED
APRIL 8, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #5545-92C
DATE EXTRACTED: MARCH 31, 1992
DATE ANALYZED: MARCH 31, 1992

EXTRACTION METHOD: EPA 5030
ANALYSIS METHOD: EPA METHOD 8010
METHOD BLANK

NO TARGET ANALYTES WERE DETECTED IN THE METHOD BLANK.

COMPOUND	LABORATORY CONTROL SAMPLE % (15ppb)
CHLOROFORM	101%
TRICHLOROETHANE	100% ✓
CARBONTETRACHLORIDE	103%
1,1-DICHLOROETHANE	73%
CHLOROBENZENE	99%
TETRACHLOROETHENE	103%

SPIKE DATA

Log #5555-92C was spiked in duplicate with a 20 ppb 8010 standard.

COMPOUND	SPIKE ✓ %RECOVERY	RELATIVE ✓ % DIFFERENCE
CHLOROBENZENE	100%	12%
TRICHLOROETHENE	95%	1%
TETRACHLOROETHENE	92%	17%
1,2-DICHLOROETHANE	96%	8%
CHLOROFORM	84%	11%

A complete list of compounds is available upon request.

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL STANDARD. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

...ity Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY

Date: 03-27-92 Page 1 of 1

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: HALLIBURTON, NUS	PROJECT NAME/NUMBER: ADD REQ
PROJECT MANAGER: DAVE EMINHIZER	BILLING INFORMATION
ADDRESS: 16885 WEST BERNARDO DRIVE SD CA 92127	BILL TO: SAME
	ADDRESS:
PHONE: (619) 451-2131	PHONE: PO #:

ANALYSIS REQUEST

QA LOG #	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	CN-(TOTAL)	FLASHPOINT	8010	PCB (8080)	TITLE 22/TTLC												
315-92	LMRV-SP4-7	03/24/92	-	SOIL	JAR	1	X	→															

SAMPLE INTEGRITY

HOLDING TIME	✓	→																					
CORRECT CONTAINER	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N

1. RELINQUISHED BY:	DATE:	2. RELINQUISHED BY:	DATE:	3. RELINQUISHED BY:	DATE:
SIGNATURE: PHONE	03/27/92	SIGNATURE:		SIGNATURE:	
PRINTED NAME: DAVE EMINHIZER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:
COMPANY: HALLIBURTON	11:12	COMPANY:		COMPANY:	
1. RECEIVED BY:	DATE:	**2. RECEIVED BY:**	DATE:	**3. RECEIVED BY:**	DATE:
SIGNATURE: April Collier	03/27/92	SIGNATURE:		SIGNATURE:	
PRINTED NAME: APRIL COLLIER	TIME:	PRINTED NAME:	TIME:	PRINTED NAME:	TIME:
COMPANY: QAL	11:12	COMPANY:		COMPANY:	

SAMPLE RECEIPT	SPECIAL INSTRUCTIONS
RECEIVED ON ICE (YES) / NO	
TAPE SEAL INTACT YES / NO / (NA)	
PRESERVATIVE YES / (NO)	
PRECAUTIONS:	
	TAT REQUESTED: 7-DAY

— ALL SAMPLES ARE SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE —

QUALITY ASSURANCE LABORATORY
6605 NANCY RIDGE DRIVE
SAN DIEGO, CALIFORNIA 92121
(619) 552-3636

HALLIBURTON NUS ENVIRONMENTAL
ATTN: DAVE EMINHIZER
16885 WEST BERNARDO DR., STE. 100
SAN DIEGO, CA 92127

DATE OF REPORT	MARCH 31, 1992
DATE RECEIVED	MARCH 18, 1992
SAMPLING DATE	MARCH 12, 1992
DATE OF FINAL REVIEW	MARCH 31, 1992
ANALYZED BY	SW MV
SAMPLE TYPE	1 SOIL
PROJECT NUMBER	2N60

ANALYSES RESULTS

ANALYSIS	PREP/ANALYSIS METHOD	UNITS	LOG NUMBER: 4963-92C SAMPLE ID: LMRV-GES-11	DF
BENZENE	5030/8020	UG/KG	<1.0	10
TOLUENE	5030/8020	UG/KG	<1.0	10
ETHYLBENZENE	5030/8020	UG/KG	<1.0	10
XYLENE	5030/8020	UG/KG	585	10
ORG. LEAD	DHS	MG/KG	<0.5	2

DHS - RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD MANUAL, MAY 1988

OTHER HEAVIER MOLECULAR WEIGHT HYDROCARBONS DETECTED, NOT QUANTIFIABLE BY METHOD.

DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSES RESULTS WERE CORRECTED ACCORDINGLY.

PETER SHEN
LABORATORY DIRECTOR

PS/ft

QUALITY ASSURANCE LABORATORY
QUALITY CONTROL DATA REPORT

MARCH 30, 1992

HALLIBURTON NUS ENVIRONMENTAL
LOG #4963-92C THROUGH 4965-92C

DATE EXTRACTED: MARCH 27, 1992 - ORGANIC LEAD

DATE ANALYZED: MARCH 27, 1992 - ORGANIC LEAD

ANALYSES	PREP/ANALYSIS METHOD	LCS % RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
ORGANIC LEAD	DHS	108%	118%	0%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL SAMPLE. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

QUALITY CONTROL REPORT, CONTINUED
MARCH 30, 1992

HALLIBURTON NUS ENVIRONMENTAL
SAMPLE LOG #4963-92C THROUGH 4965-92C

DATE ANALYZED: MARCH 24, 1992

EXTRACTION METHOD: 5030
ANALYSIS METHOD: 8020
Concentrations were calculated using a 4 point curve of concentrations 2.5, 5, 10 and 20 ppb.

LABORATORY CONTROL STANDARD
A 15 ppb standard verification was run in the sample set up.

METHOD BLANK
NO TARGET ANALYTES WERE DETECTED IN METHOD BLANK.

COMPOUND	%RECOVERY
Benzene	89%
Toluene	97%
Ethylbenzene	99%
Xylenes	108%

SPIKE DATA
QAL Log #5522-92C was spiked in duplicate with 15 ppb 8020 standard.

COMPOUND	SPIKE % RECOVERY	RELATIVE % DIFFERENCE
Benzene	105%	3%
Toluene	115%	2%
Ethylbenzene	118%	5%
Xylenes	128%*	7%

* LABORATORY-ESTABLISHED CONTROL LIMITS FOR XYLENES:
SPIKE RECOVERY: 70% - 155%

LISA MACCLELLAN
QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

•LCS - LABORATORY CONTROL SAMPLE. REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD CARRIED THROUGH ALL SAMPLE PREPARATION PROCEDURES TO VERIFY METHOD PERFORMANCE. ACCEPTABLE RANGE IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 80%-120% RECOVERY RANGE.
•SPIKE - ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED. REPORTED AS % RECOVERY. ACCEPTABLE RANGE FOR "NORMAL MATRIX SAMPLE" IS BASED ON HISTORICAL LABORATORY CONTROL DATA, BUT IS GENERALLY WITHIN A 75%-125% RECOVERY RANGE.
•SURROGATES - COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS. SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND % RECOVERY OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING ON SAMPLE MATRIX AND ANALYSIS METHOD.

Y 2334

MOBILE/one LABORATORIES INC.

CHAIN-OF-CUSTODY RECORD

Date 3/12/92 page 21 of 21

Client: Halliburton NUS
~~Address:~~ site LaMesa RV Center
7601 Alvarado Rd.
La Mesa CA
Project: 2N60
Sampler (signature):

Sample No.	Date	Time	Location	TPH	418.1	BTEX ONLY	ONHOLD ONLY			No. of containers	Comments
LMRV-GES-11	3/12/92	1240		X	X	X				1	4963-92C } 418.1 + TPH
LMRV-GES-12	↓	1245		X	X		X			1	4964 } already
LMRV-GES-13	↓	1250		X			X			1	4965 } run

Storage/Shipping Info.:

3 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
David A. Eminhizer	R Johnson	R Johnson	David A. Eminhizer	David A. Eminhizer	April Collier
Signature	Signature	Signature	Signature	Signature	Signature
DAVID A. EMINHIZER	Becky Johnson	Becky Johnson	DAVID A. EMINHIZER	DAVID A. EMINHIZER	APRIL COLLIER
Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
HALLIBURTON NUS	Mobile One labs	Mobile One labs	HALLIBURTON NUS	HALLIBURTON NUS	QAL
Company	Company	Company	Company	Company	Company
3/12/92 1715	3/12/92 1715	3/12/92 2120	3/14/92 2120	3/18/92 1120	03/18/92 @11:21
Date Time	Date Time	Date Time	Date Time	Date Time	Date Time

RECEIVED 93 MAR 18 A11:21

19964 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

APPENDIX B

Stockpile Statistics Worksheets

STOCKPILE STATISTICS WORKSHEET
SIMPLE RANDOM SAMPLING AND SYSTEMATIC RANDOM SAMPLING

SOIL STOCKPILE NO. 2

1	List sample results from laboratory	1 156	2 82	3 73
	Analytical Method 418.1 (TRPH)	4 312	5 —	6 —
	Units (i.e. mg/kg) mg/Kg	7 —	8 —	9 —
2	Determine number of sample values n		n = 4	
3	Calculate sample mean With n = number of sample measurements $\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$		$\bar{x} = \frac{(156+82+73+312)}{4} =$ 155.75	
4	Calculate sample variance $s^2 = \frac{\sum_{i=1}^{n} x_i^2 - \frac{(\sum_{i=1}^{n} x_i)^2}{n}}{n-1}$		$s^2 = \frac{(133733.0 - 97032.25)}{3} =$ 12233.58	
5	Calculate sample standard deviation $s = \sqrt{s^2}$		s = 110.606	
6	Calculate degrees of freedom $df = n-1$		df = 3	
7	Calculate standard error of the mean $s_{\bar{x}} = \frac{s}{\sqrt{n}}$		$s_{\bar{x}} = \frac{110.606}{\sqrt{4}} = 55.30$	
8	Obtain student's 't' value corresponding to the degree of freedom value determined in #6 above. (See attached Table reproduced on the back of this page.)		t_{20} = 1.638	
9	Calculate the confidence interval $CI = \bar{x} \pm t_{20}\, s_{\bar{x}}$		$CI = 155.75 \pm 1.638 \times 55.30$ $= 155.75 - 90.58 =$ 65.17, 246.33	
10	Obtain regulatory threshold for the contaminant of concern RT		RT = 2000	
11	Calculate $\Delta = RT - \bar{x}$		$\Delta = 2000 - 155.75 =$ 1844.25	
12	Estimate minimum number of samples $n_{min} = \frac{t_{20}^2\, s^2}{\Delta^2}$		$n_{min} = \frac{(1.638)^2 \cdot 12233.58}{\Delta^2} =$ 0.00965	

PLEASE NOTE: In accordance with the California Code of Regulations, Title 22, Section 66694, the HMMD follows the sampling guidelines set forth in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Third Edition", U.S. Environmental Protection Agency, 1986. This worksheet is based on information found in Volume II, Part III, Chapter 9, of "SW-846" and is provided as an aid for stockpile characterization. For circumstances requiring data manipulation beyond that indicated on the worksheet, refer to "SW-846".

STOCKPILE STATISTICS WORKSHEET
SIMPLE RANDOM SAMPLING AND SYSTEMATIC RANDOM SAMPLING

SOIL STOCKPILE NO. 3

1	List sample results from laboratory	1 <10	2 <10	3 <10
	Analytical Method TPH BY DHS METHOD	4 153.2	5 —	6 —
	Units (i.e. mg/kg) mg/kg	7 —	8 —	9 —
2	Determine number of sample values n		$n = 4$	
3	Calculate sample mean With n = number of sample measurements $\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$		$\bar{x} = \frac{(0+0+0+153.2)}{4} = 38.30$	
4	Calculate sample variance $s^2 = \frac{\sum_{i=1}^{n} x_i^2 - \frac{(\sum_{i=1}^{n} x_i)^2}{n}}{n-1}$		$s^2 = \frac{23470.24 - 5867.56}{3} = 5867.56$	
5	Calculate sample standard deviation $s = \sqrt{s^2}$		$s = 76.60$	
6	Calculate degrees of freedom $df = n-1$		$df = 4-1 = 3$	
7	Calculate standard error of the mean $s_{\bar{x}} = \frac{s}{\sqrt{n}}$		$s_{\bar{x}} = \frac{76.60}{\sqrt{4}} = 38.30$	
8	Obtain student's 't' value corresponding to the degree of freedom value determined in #6 above. (See attached Table reproduced on the back of this page.)		$t_{20} = 1.638$	
9	Calculate the confidence interval $CI = \bar{x} \pm t_{20} s_{\bar{x}}$		$CI = 38.30 \pm 1.638(38.30) = -24.435, 101.035$	
10	Obtain regulatory threshold for the contaminant of concern RT		$RT = 100$	
11	Calculate $\Delta = RT - \bar{x}$		$\Delta = 100 - 38.30 = 61.70$	
12	Estimate minimum number of samples $n_{min} = \frac{t_{20}^2 s^2}{\Delta^2}$		$n_{min} = \frac{(1.638)^2(5867.56)}{\Delta^2} = 4.135$	

PLEASE NOTE: In accordance with the California Code of Regulations, Title 22, Section 66694, the HMMD follows the sampling guidelines set forth in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Third Edition", U.S. Environmental Protection Agency, 1986. This worksheet is based on information found in Volume II, Part III, Chapter 9, of "SW-846" and is provided as an aid for stockpile characterization. For circumstances requiring data manipulation beyond that indicated on the worksheet, refer to "SW-846".

REQUEST FOR CLASS III LANDFILL DISPOSAL OF HYDROCARBON CONTAMINATED SOIL

Soil Stockpile No. 1

I. SITE LOCATION

Site Name	Office Use Only: H 02651
La Mesa RV Center	
Site Address	**City** **Zip**
7601 Alvarado Road	La Mesa , CA 92041

II. GENERATOR OF WASTE

Generator Name	
La Mesa RV Center	
Mailing Address	**City/State** **Zip**
7601 Alvarado Road	La Mesa, CA 92041

III. SOIL CHARACTERIZATION

Amount of Soil (Cubic Yards)	This is an:	Number of Samples Analyzed:
20	☒ Estimate ☐ Actual	3

IV. CONSTITUENTS

	Concentration (MG/KG)					TPH by DOHS LUFT/EPA 8015 Conc. (MG/KG)	TRPH by IR (418.1) Conc. (MG/Kg)
	Benzene	Toluene	Xylene	Ethylbenzene	Organic Lead		
Mean		NOT ANALYZED				Non-Detect 10	
Range						Non-Detect	

(Check only one)
Soil disposition: ☒ Stock Pile ☐ In Place ☐ Drums ☐ Boring ☐ Other

Type of Contaminant: ☒ Gasoline ☐ Diesel ☐ Oil/Hydraulic Fluid ☐ Other _____

The following must be enclosed in the attached document dated: 4 27 92

1) All laboratory results in compliance with the "San Diego sampling and analysis requirements", documents. Section III, SA/M Manual, January 1991 or the most recent version.
2) Chain of Custodies.
3) Statistical Calculations: Table of Data Values, Mean, Range, Variance Standard Deviation, Appropriate Number of Samples, 80% Confidence Interval Upper and Lower Limit.
4) Plot Plan of Site/Soil Locations.
5) Plot Plan of Sample Locations.

V. Based on historical and present use of the site and completion of San Diego Sampling and laboratory analysis requirements, it is our opinion that the petroleum hydrocarbon contaminated soil is suitable for Class III landfill disposal. We request the above described soil be disposed of at Sycamore Canyon Landfill with concurrence of the landfill operator.

Consultant's Signature _____ Date 4-27-92

David A. Eminhizer
Consultant's Name (Please Print)

HALLIBURTON NUS Environmental Corporation
Consultants Company

Generator's Signature _____ Date 4-28-92

VI. This request, manifest and all receipts must be returned to the HMMD to complete the site closure process.

VII. Based on the data provided and providing it is true, accurate and representative of the soil described above, the HMMD and the RWQCB consider this soil to be suitable for disposal at Class III landfill.

HMMD Authorized Representative _____ Date _____

RWQCB Authorized Representative _____ Date _____

REQUEST FOR CLASS III LANDFILL DISPOSAL OF HYDROCARBON CONTAMINATED SOIL

I. SITE LOCATION

Soil Stockpile No. 2

Site Name	Office Use Only: H 02651
La Mesa RV Center	
Site Address	**City** / **Zip**
7601 Alvarado Road	La Mesa, CA 92041

II. GENERATOR OF WASTE

Generator Name	
La Mesa RV Center	
Mailing Address	**City/State** / **Zip**
7601 Alvarado Road	La Mesa, CA 92041

III. SOIL CHARACTERIZATION

Amount of Soil (Cubic Yards)	This is an:	Number of Samples Analyzed:
80	☒ Estimate ☐ Actual	4

IV. CONSTITUENTS

	Concentration (MG/KG)					TPH by DOHS LUFT/EPA 8015 Conc. (MG/KG)	TRPH by IR (418.1) Conc. (MG/Kg)
	Benzene	Toluene	Xylene	Ethylbenzene	Organic Lead		
Mean	NOT ANALYZED						155.75
Range						73 - 312	

(Check only one)
Soil disposition: ☒ Stock Pile ☐ In Place ☐ Drums ☐ Boring ☐ Other

Type of Contaminant: ☐ Gasoline ☐ Diesel ☒ Oil/Hydraulic Fluid ☐ Other _____

The following must be enclosed in the attached document dated: 4 / 27 / 92

1) All laboratory results in compliance with the "San Diego sampling and analysis requirements", documents. Section III, SA/M Manual, January 1991 or the most recent version.
2) Chain of Custodies.
3) Statistical Calculations: Table of Data Values, Mean, Range, Variance Standard Deviation, Appropriate Number of Samples, 80% Confidence Interval Upper and Lower Limit.
4) Plot Plan of Site/Soil Locations.
5) Plot Plan of Sample Locations.

V. Based on historical and present use of the site and completion of San Diego Sampling and laboratory analysis requirements, it is our opinion that the petroleum hydrocarbon contaminated soil is suitable for Class III landfill disposal. We request the above described soil be disposed of at Sycamore Canyon Landfill with concurrence of the landfill operator.

David A. Eminhizer — 4-27-92
Consultant's Signature — Date

David A. Eminhizer
Consultant's Name (Please Print)

HALLIBURTON NUS Environmental Corporation
Consultants Company

[signature] — 4-28-92
Generator's Signature — Date

VI. This request, manifest and all receipts must be returned to the HMMD to complete the site closure process.

VII. Based on the data provided and providing it is true, accurate and representative of the soil described above, the HMMD and the RWQCB consider this soil to be suitable for disposal at Class III landfill.

HMMD Authorized Representative — Date

RWQCB Authorized Representative — Date

REQUEST FOR CLASS III LANDFILL DISPOSAL OF HYDROCARBON CONTAMINATED SOIL

I. SITE LOCATION

Soil Stockpile No. 3

Site Name	Office Use Only: H 02651
La Mesa RV Center	
Site Address	**City** **Zip**
7601 Alvarado Road	La Mesa, CA 92041

II. GENERATOR OF WASTE

Generator Name	
La Mesa RV Center	
Mailing Address	**City/State** **Zip**
7601 Alvarado Road	La Mesa, CA 92041

III. SOIL CHARACTERIZATION

Amount of Soil (Cubic Yards)	This is an:	Number of Samples Analyzed:
100	☒ Estimate ☐ Actual	4

IV. CONSTITUENTS

	Concentration (MG/KG)					TPH by DOHS LUFT/EPA 8015 Conc. (MG/KG)	TRPH by IR (418.1) Conc. (MG/Kg)
	Benzene	Toluene	Xylene	Ethylbenzene	Organic Lead		
Mean	1.190	.410	1.800	1.390	Non-Detect	38.30	
Range	ONLY ONE SAMPLE ANALYZED FOR BTXE				ND.	to 153.2	

(Check only one)
Soil disposition: ☒ Stock Pile ☐ In Place ☐ Drums ☐ Boring ☐ Other

Type of Contaminant: ☒ Gasoline ☐ Diesel ☐ Oil/Hydraulic Fluid ☐ Other _____

The following must be enclosed in the attached document dated: 4 | 27 | 92

1) All laboratory results in compliance with the "San Diego sampling and analysis requirements", documents. Section III, SA/M Manual, January 1991 or the most recent version.
2) Chain of Custodies.
3) Statistical Calculations: Table of Data Values, Mean, Range, Variance Standard Deviation, Appropriate Number of Samples, 80% Confidence Interval Upper and Lower Limit.
4) Plot Plan of Site/Soil Locations.
5) Plot Plan of Sample Locations.

V. Based on historical and present use of the site and completion of San Diego Sampling and laboratory analysis requirements, it is our opinion that the petroleum hydrocarbon contaminated soil is suitable for Class III landfill disposal. We request the above described soil be disposed of at Sycamore Canyon Landfill with concurrence of the landfill operator.

David A. Eminhizer — 4-27-92
Consultant's Signature — Date

David A. Eminhizer
Consultant's Name (Please Print)

HALLIBURTON NUS Environmental Corporation
Consultants Company

[signature] — 4-28-92
Generator's Signature — Date

VI. This request, manifest and all receipts must be returned to the HMMD to complete the site closure process.

VII. Based on the data provided and providing it is true, accurate and representative of the soil described above, the HMMD and the RWQCB consider this soil to be suitable for disposal at Class III landfill.

HMMD Authorized Representative — Date

SENT TO CLASS II → COPY OF MANIFEST?

RWQCB Authorized Representative — Date

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER: (619) 699-2418

RECEIVED
JAN 3 11 11 AM '94
ENVIRONMENTAL
HEALTH SERVICES

December 29, 1993

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

1-6 - REVIEWED, LEFT ATTN'Y. MSG.

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report as required by your October 26, 1993 letter and official notice. This update will cover activities occurring since my last update of November 29,1993.

A workplan for additional site assessment activities prepared by Environmental Business Solutions on behalf of La Mesa RV was submitted on November 29, 1993. By your letter of December 9, 1993 the Site Assessment and Mitigation Division (SA/M) approved La Mesa RV's workplan with minor changes and conditions. La Mesa RV plans to utilize the suggested changes contained in that letter.

The drilling and installation of wells has been scheduled with the subcontractor, Tri-County Drilling. However, we are informed that due to a large volume of site assessment activities underway in the San Diego County area, the drilling rig which will be used pursuant to the approved workplan will not first become available until February 10 and 11, 1994. We have scheduled the rig for use on the site on those two dates. Consequently, we must request an extension of the date within which the report of site activities must be provided to your office.

Your December 9, 1993 letter required a report to be submitted

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

APPROVED, BUT NOTHING PAST THIS.

not later than January 30, 1994 to SA/M and the Regional Water Quality Control Board. We request that this date be extended an additional sixty days to March 30, 1994 to permit sampling activities to be performed, laboratory results to be analyzed and a formal report to be prepared. Please advise at your earliest convenience.

Additionally, in light of the schedule of activities described above, La Mesa RV requests that it be permitted to return to a ninety-day reporting schedule pursuant to Title 23, C.C.R. § 2652.

We thank you in advance for your courtesy and cooperation in this matter. If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER: (619) 699-2418

RE[illegible]ED
Nov 29 3 12 PM '93
[illegible]L
HEAL[illegible]ICES

November 29, 1993

HAND DELIVERED

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Update Report and Work Plan Submittal

Dear Mr. Skinner:

This office has been retained by La Mesa RV Center to assist it in its efforts to respond to the County's official notices and comply with the requirements to conduct site assessment and mitigation activities with respect to the above-described unauthorized release. La Mesa RV Center requests that the County direct further communications concerning this matter to my attention.

This letter is intended to serve as an update report as required by your October 26, 1993 official notice and prior correspondence. This letter will also serve as the transmittal of the enclosed work plan describing the additional site assessment activities as required by your June 2, 1993 and October 26, 1993 official notices.

By correspondence dated July 12, 1993 and your telephone conversation of July 6, 1993, Mr. Jim Buckner of La Mesa RV provided a partial response to the requirements of the June 2, 1993 letter. Thereafter, Mr. Buckner contacted a number of prospective consultants in an attempt to obtain bids for preparation of a work plan. However, Mr. Buckner was unable to obtain the requisite three bids and therefore, subsequently retained our services to assist in this endeavor.

Over the past thirty days we have prepared a request for proposal regarding preparation of a work plan and the conducting of site assessment activities to determine the lateral and vertical extent of contamination at the site. We obtained bids from several consultants and ultimately awarded the contract to Environmental Business Solutions, Inc.

Enclosed you will find a work plan dated November 24, 1993, prepared by Environmental Business Solutions, which I believe you will find self explanatory. La Mesa RV Center is prepared to begin implementation of the site assessment activities described in the work plan upon approval of the work plan by the County of San Diego, Site Assessment and Mitigation Division.

If you have any questions concerning this update report or the enclosed work plan, please do not hesitate to contact me.

Very truly yours,

Stephen L. Marsh

Enclosure

cc: Joe McWalters, RWQCB
Diana Romero, SWRCB (without enclosures)
Jim Buckner, LMRV
Dan Johnson, EBS

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

November 24, 1993 Copy No. 4
Project Number: 93E1163.1

Mr. Lars Skinner
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
Post Office Box 85261
San Diego, California 92186-5261

RE: Workplan Describing the Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division for the La Mesa RV Center - 7601 Alvarado Road, La Mesa, California (site)

Dear Mr. Skinner:

Environmental Business Solutions, Inc. (EBS) is pleased to present this workplan for your consideration relative to the requirements of the Site Assessment and Mitigation Division (SAM) for the above-referenced site.

EBS has prepared this written workplan which is intended to satisfy the requirements of the SAM prior to performing additional soil and groundwater investigation at the site. This workplan describes the site background, the procedures to be utilized during the field investigation, the type of laboratory analyses to be performed on soil and groundwater samples, and the type of report to be prepared.

Background

We understand that four underground storage tanks (USTs) of various capacities were previously located at the site and were recently removed. The underground tanks were reported to store new and used oil, and gasoline. The USTs were located immediately west and south of a service-bay building at the site (Figure 1). The four USTs at the site were reported to consist of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

The USTs were reported to have been removed by a contractor, Alm Services (Alm), in February, 1988. The "Abandoned Underground Tank Report" prepared for the site by the County inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs removal, although groundwater was observed at a depth of approximately seven feet below grade in the excavation.

Correspondence from Alm to the County in March of 1988 indicates that six soil samples from the USTs excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May of 1988, Alm was reported to have collected an additional three samples from the new and used oil USTs excavation. Detectable concentrations of TRPH were found in each of the three samples.

In March of 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted a multi-day exploratory excavation program at the site. We understand approximately 400 cubic yards of soil was excavated from the vicinity of the former gasoline and oil USTs. Numerous confirmation samples were collected during the excavation program (see Figure 1), but we understand that confirmation samples indicate that soil with elevated concentrations of both TPH and TRPH remains in the vicinity of the excavation (including laterally underneath the service bay building). We also understand that Halliburton concluded that groundwater in the area of the excavations may be impacted.

In preparing this workplan, EBS personnel reviewed two letters addressed to Mr. James Buckner from you. In addition, we contacted you to go over the contents of the letters and to discuss additional site assessment activities at the site. In addition to the above-described activities, personnel of EBS visited the site to confirm site conditions. The site visit took place on November 9, 1993.

The program described in this proposal has been designed in general accordance with the requirements of the SAM, our site visit, the data gathered and interpreted in preparing this workplan, as well as our professional judgment and experience in this type of investigation.

OBJECTIVES

The objectives of this proposed scope of services are to:

- Further assess the extent of petroleum hydrocarbon impacted soil in the vicinity of former gasoline, and new and used oil USTs at the site;
- To assess the groundwater depth, gradient and flow direction; and,
- To assess the degree of likelihood that the shallow groundwater at the site has or has not been impacted by petroleum hydrocarbons.

SCOPE OF SERVICES

The scope of services that will be used to meet the objectives includes the following Phases:

Phase I **Preparation of a Workplan and Site Health and Safety Plan, Groundwater Monitoring Well Design, Preparation of Well Permits, Subcontractor Management and Scheduling, and Utility Search and Mark Out**

EBS has prepared this written workplan which is intended to satisfy SAM requirements. This workplan is intended to describe the field procedures to be utilized in the field investigation, including the type of laboratory analyses to be performed on the soil and groundwater samples, and soil and groundwater sample collection methods. This workplan includes the proposed location for additional soil borings and groundwater monitoring wells (Figure 1). The soil boring program has been designed to assess the lateral and vertical extent of petroleum impacted soil in the vicinity of the former USTs. The groundwater monitoring wells are to be placed in locations

designed to reflect the anticipated groundwater flow direction at the site, and to detect a possible release into the groundwater from the former USTs.

A health and safety plan for the site will be prepared to reflect the current work scope. A health and safety plan for work conducted at the site and workers within the "exclusion" zone is required pursuant to the regulations found in 29 Code of Federal Regulations (CFR) Part 1910.120. As such, a health and safety plan will be prepared which will outline the potential chemical and physical hazards that may be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards will be detailed in this plan. EBS and contracted personnel involved with the proposed field work will be required to sign this document in order to encourage proper health and safety practices.

Prior to drilling the soil borings and installing the monitoring wells, the monitoring wells must be designed and one permit per well (or soil boring which intersects groundwater) will be completed and submitted to the SAM for approval along with the required fee. The permits will reflect monitoring well designs and completions in accordance with California Department of Water Resource and San Diego County requirements. The permits will be signed by the appropriately licensed professional and submitted with the required fee to the SAM.

Prior to mobilizing for field work, EBS will notify and schedule the appropriate subcontractors including but not limited to, the laboratory, the drilling company, the surveyor, the concrete coring company, concrete masons, Underground Service Alert (USA), and the well material supply company. In addition, prior to drilling soil borings, time is included for EBS to work with USA and a private underground utility search company to attempt to locate subsurface utilities and improvements at the site to minimize the likelihood of drilling into an underground utility.

Phase II **Drilling and Sampling of Seven Soil Borings and the Conversion of Three Soil Borings to Groundwater Monitoring Wells**

Drilling and Sampling Seven Soil Borings

Seven soil borings will be drilled, logged, and sampled to depths of between 15 and 20 feet below grade at the site (or until a depth where soil samples with non-detectable concentrations of petroleum hydrocarbons are found). Three borings will be drilled to depths of 20 feet below grade (or until refusal is met) in the vicinity of the western and southern perimeter of excavation at the site. These soil borings will be converted to groundwater monitoring wells (MW1, MW2, and MW3, see Figure 1). Four soil borings (B1 through B4) will be drilled near the former new and used oil UST locations (see Figure 1).

The location of these borings has been designed to provide additional information about the possible migration of petroleum hydrocarbons west, south and east from the former new and used oil and gasoline USTs area.

We anticipate that one of the soil borings (B3) will be drilled inside the building at the site, to the east of the former gasoline UST and to the north of the former used and new oil USTs.

The drilling program at the site will be monitored by a professional geologist from EBS. Our on-site representative will be either a State-certified Engineering Geologist (CEG), or a Registered Geologist (RG) with over 10 years of experience in field investigation programs.

A brief presentation of the rationale for soil boring/groundwater monitoring well locations is presented below. The proposed soil boring/groundwater monitoring well locations are presented on the attached Figure 1.

Soil Boring/Monitoring Well No.	Location/Rationale
B1	Located in the immediate vicinity west of soil sample OES-13 (23,000 mg/kg) and near OES-11 (16,000 mg/kg) and OES-12 (18,000 mg/kg). To assess the vertical extent, migration and concentration of petroleum hydrocarbons near the above-mentioned soil sample locations.
B2	Located near the northeastern portion of the excavation near the former new and used oil USTs. Located near soil samples OES-15 (7,700 mg/kg) and OES-6 (8,200 mg/kg). To assess the lateral and vertical migration of petroleum hydrocarbons in this area.
B3	Located inside the RV service bay. To assess the potential horizontal migration of gasoline to the east of soil samples GES-6 and GES-8 (920 and 470 mg/kg, respectively) and to assess the possible migration of petroleum east of soil sample OES-10 (15,600 mg/kg) and to the north of the new and used oil USTs area.
B4	Located near soil sample GES-6 (920 mg/kg). To assess the vertical migration and extent of gasoline-impacted soil in this area.
MW1	Located west of the former gasoline UST. To assess the potential occurrence of impacted soil to the west of soil samples OES-9 and OES-11 and to provide an assessment of groundwater quality in the inferred downgradient direction from the former gasoline UST.
MW2	Located west of the used and new oil USTs excavation area. To assess the lateral extent of impacted soil to the west of samples OES-11, 12, and 13 and to provide an assessment of the groundwater

	quality to the west of the former new and used oil USTs.
MW3	Located south of the former new and used oil USTs. This soil boring/monitoring well is intended to provide baseline information about the possible migration of contaminants in the soil and groundwater to the south of the used and new oil UST area. This monitoring well is also intended to provide control on the assessment of gradient and groundwater flow direction at the site.

We will drill six soil borings outside using a truck-mounted Canterra 450 high-torque drill rig. The one boring inside the building will be drilled using a Simco 3000 truck-mounted drill rig (the boring inside the building will require the use of the Simco 3000 drill rig because of the low overhead clearance). Because difficult drilling conditions are anticipated at the site, EBS solicited drilling bids from three different drilling companies. We selected the bid from Tri-County Drilling based on their representations of having a high probability of success in drilling in the anticipated difficult-to-drill conditions at the site (Stadium Conglomerate).

Should site drilling conditions allow, the first soil boring drilled at the site will be profiled utilizing continuous coring. This should greatly assist in our assessment of the subsurface soil conditions at the site. In particular, it should assist us in our assessment of possible zones of greater or lesser permeability which could affect the migration of petroleum hydrocarbons in the subsurface soil or groundwater.

Because groundwater is reported at relatively shallow depths, and some distinct soil lithologies were reported at depths of five to six and eight to ten feet below grade, we anticipate collecting soil samples from soil borings at approximately 5, 8, 10, 15 and 20 feet below grade or at significant lithologic changes.

Each of the borings not converted to a groundwater monitoring well will be backfield with an approved grout. As required by San Diego County guidelines, either pre-steam washed augers will be on-site or a steam cleaner will be on-site to steam wash the augers between soil borings to minimize the likelihood of "cross-contaminating" the borings and to minimize the potential for a "false positive" in the soil samples analyzed.

During the drilling of the soil borings, soil samples will be collected, when possible, with a split-spoon type or similar sampler. Soil samples will be driven into brass or stainless steel tubes. The tubes will be covered with teflon sheeting, tightly closed with end caps, and taped for handling and transportation activities. The sample containers will be packed in ice-filled coolers or stored in the refrigerator of the on-site mobile laboratory. Chain-of-custody procedures will be implemented for sample tracking. A written analytical report will be provided by the laboratory upon the completion of the sample testing. Please note that site conditions may not allow for the collection of drive samples. If this is the case, we will make best efforts to collect representative samples from the subsurface.

Installation of Three Groundwater Monitoring Wells

Three groundwater monitoring wells (wells) will be installed at the site to the west and south of the former USTs. The well placements will be designed to investigate the possible impact to groundwater from a petroleum hydrocarbon release from the former USTs. Based upon a review of the United States Geologic Survey La Mesa Quadrangle Map, and the groundwater information provided by Halliburton for the site, we anticipate a groundwater depth of approximately 9 to 10 feet and a regional flow direction roughly corresponding with Alvarado Creek, generally towards the west.

Based on the reported depth to groundwater at the site, we anticipate the wells be drilled to a maximum depth of approximately 20 feet below grade. The wells will be constructed using four-inch diameter PVC casing and screen. The surface completion will consist of a flush-mounted traffic-rated road box. As required by the San Diego County, a well permit will be obtained prior to drilling the wells. Soil cuttings generated from drilling of the wells will be placed in 55 gallon drums and labeled and left on site.

During well installation, the wells will be developed in general accordance with SAM guidelines. Within approximately one week of well development, the newly installed wells will be purged and sampled in general accordance with SAM guidelines. Development and purging water will be placed in appropriately labeled drums and stored on site.

Surveying of Groundwater Monitoring Wells

The well locations and elevations will be surveyed by a licensed surveyor to allow an assessment of the depth to groundwater and hydraulic gradient. Both vertical and horizontal control will be surveyed to 1/100 of a foot.

Monitoring, Purging and Sampling of Groundwater Monitoring Wells

After surveying, the wells will be monitored using an electronic interface probe. This instrument is capable of detecting both product and groundwater, with a reported accuracy of 1/100 of a foot. The depth to water and depth to and thickness of product (if present) will be measured and recorded. A clear bailer will be lowered into each well to collect a sample of groundwater to visually evaluate the presence of product.

In order to prepare for sampling, we anticipate that each well will be purged using a submersible pump. Purged water will be placed in appropriate drums, labeled, and left on site. After one volume of water is purged, groundwater levels will be monitored. If the wells are interpreted to be slow recharging, groundwater samples will be collected after two hours of purging. Otherwise, samples will be collected after three borehole volumes of water have been removed. Samples will be collected using a disposable bailer. Samples will be decanted into appropriately preserved volatile organic analysis (VOA) vials, capped, sealed, labeled, and placed on ice. The samples will be delivered to a State certified hazardous waste laboratory using chain-of-custody documentation.

Sample Analyses

EBS will retain a mobile laboratory to conduct on-site analytical testing. This way, should impacted soil extend further vertically or laterally than target depths or soil boring locations, additional soil samples can be collected while personnel and equipment are already mobilized at the site. As many as four soil samples from each boring (including at least one sample collected from within the field interpreted saturated zone) will be analyzed for total petroleum hydrocarbons (TPH) in general accordance with modified EPA Method 8015 and for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1 Based on our understanding of the June 2, 1993 letter to James Buckner, all additional samples collected from the site must be analyzed for both TPH and TRPH.

In addition, the soil sample with highest reported TRPH concentration from a soil boring in the vicinity of the former new and used oil USTs will be analyzed for polychlorinated biphenyls, chlorinated solvents, benzene, toluene, ethylbenzene and xylenes, (BTEX) and organic lead. This sample will be analyzed in general accordance with EPA methods 8010, 8020, and 8080, and the Department of Health Services Method for organic lead. These additional analyses are also based on our understanding of the June 2, 1993 letter to Mr. James Buckner. & HIGHEST TPH FOR 8020, O.Pb.

One water sample per well will be collected and will be analyzed for total petroleum hydrocarbons in general accordance with modified EPA Method 8015 and BTEX in general accordance with EPA Method 8020. One water sample per well will also be analyzed for total lead, in general accordance with SAM guidelines.

Phase III **Data Evaluation, Figure and Table Preparation, Soil Boring and Monitoring Well Log Preparation and Report Preparation**

Based on the findings of the field investigation and laboratory results from the above scope of services and the historical findings provided by the Client, an assessment report (Report) will be written in general accordance with SAM guidelines. The Report will include laboratory reports, chain-of-custodies, permits, illustrations reflecting the sampled subsurface, logs of the soil borings and construction "as builts" of the wells, tabulated analytical results, and appropriate support documentation. The report will include an assessment of the depth of groundwater, groundwater flow direction, gradient, and the impact to shallow soil and groundwater from TPH and BTEX.

The Report will be peer reviewed and signed by a California Certified Engineering Geologist.

In addition to the above described report, in order to comply with the requirements of the well/soil boring permits, a "thirty day" report will be prepared and submitted to the SAM.

Estimated Schedule

We estimate that the total time necessary to complete the above phased scope of services is approximately 30 to 35 working days.

EBS appreciates the opportunity to provide you with a workplan on this important project. Should you have any questions regarding this letter please contact the undersigned at (619) 571-5500.

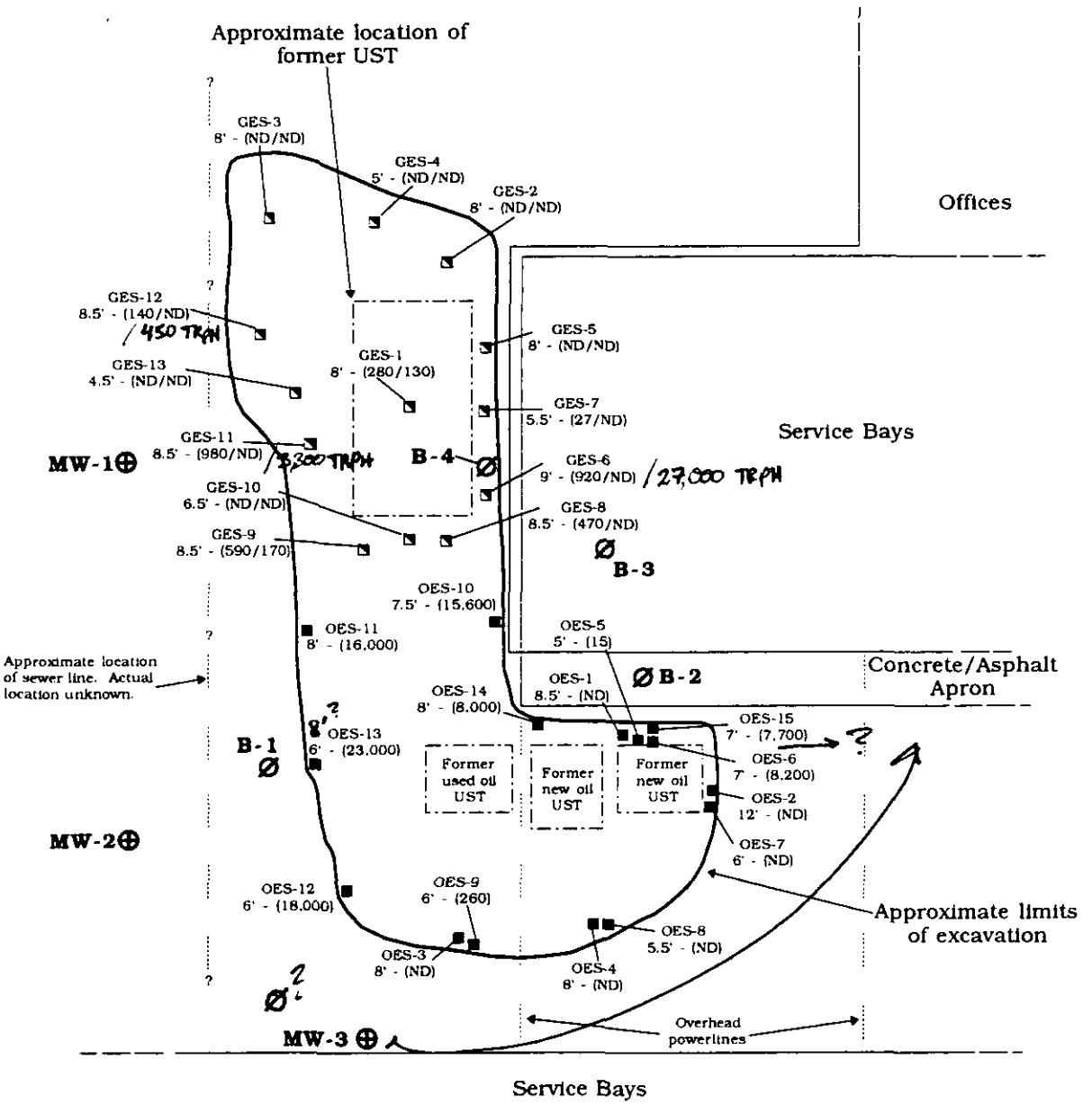
Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Daniel E. Johnson
Principal

Barry S. Pulver, CEG 1364
Principal

DEJ7/93E11631.wkp

cc: Stephen L. Marsh, Luce, Forward, Hamilton & Scripps
Joe McWalters, RWQCB
James Buckner, La Mesa RV



LEGEND

⊕	**Proposed monitoring well.**
Ø	**Proposed soil boring location.**
OES-9 6' - (260)	**Soil sample collected by Halliburton NUS from the oil UST excavation area. Indicates sample number, depth and Total Recoverable Petroleum Hydrocarbon (TRPH) concentration in mg/kg. ND = not detected at the laboratory detection limit of 10 mg/kg.**
GES-6 9' - (920/ND)	**Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area. Indicates sample number, depth and Total Petroleum Hydrocarbon (TPH) concentration in mg/kg (gas/diesel). ND = not detected at the laboratory detection limit of 10 mg/kg.**

Approximate Scale in Feet

0 12 24

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Site Plan** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93P1165.1 **Figure 1**



Overview of site. View to northeast.

Environmental Business Solutions, Inc.	Photographic Plate La Mesa R.V. Center 7601 Alvarado Road La Mesa, California	Project No. 93E1165.1	Figure 2

7601 Alvarado Road, Post Office Box 1670 / La Mesa, CA 91944-1670 / (619) 462-5660

H0265I-001

LA MESA RV CENTERS
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COUNTY OF SAN DIEGO
HEALTH SERVICES

July 12, 1993

Lars Skinner
Hazardous Materials Specialist
Site Assessment and Mitigation Div.
County of San Diego
Department of Health Services
P O Box 85261
San Diego, CA 92186-5261

RE: Your letter of June 2, 1993 and our telephone conversation of July 6, 1993

Dear Mr. Skinner:

Enclosed are copies of the Chain of Custody LMRV-OES 1 thru 15 and summary tables II and III.

The estimated 400 cubic yards of soil was all hauled to the Class II site in Arizona. The weight was 460.99 tons. The explanation for the low conversion number of 1.15 may have something to do with the fact that some of the soil was dry from laying there since May 1988, along with the estimate of 400 cubic yards being high.

I left a message on your voice mail today requesting a copy of the consultants list. I have called Odgen, (no response) and Woodward Clyde, (not interested), hope I'll have better luck with list.

SENT 7-15 (.3)

Sincerely,

Jim Buckner
Director of Fixed Operations

JB:b

Encls:

TABLE II

SUMMARY OF LABORATORY TEST RESULTS
Fuel Tank Excavation
(Test Method EPA 418.1)

SAMPLE IDENTIFICATION	DEPTH (BGS[1])	CONCENTRATION (MG/KG[2])
LMRV-GES-6	8.0	27,000
LMRV-GES-11	8.0	3,300
LMRV-GES-12	8.0	450

1 BGS - Feet Below Ground Surface
2 MG/KG - Milligrams per kilogram

Note: Equipment/procedure detection limits were 10 MG/KG.

TABLE III

SUMMARY OF LABORATORY TEST RESULTS
Oil Tank Excavation
(Test Method EPA 418.1)

SAMPLE IDENTIFICATION	DEPTH (BGS[1])	CONCENTRATION (MG/KG[2])
LMRV-OES-1	7.5	<10[3]
LMRV-OES-2	12	<10
LMRV-OES-3	12	<10
LMRV-OES-4	12	<10
LMRV-OES-5	5	15
LMRV-OES-6	6	8,200
LMRV-OES-7	6	<10

1 BGS - Feet Below Ground Surface
2 MG/KG - Milligrams per kilogram
3 <10 - Concentration not found above the detection limit

Note: <10 represents equipment/procedure detection limits.

07-08-1993 09:08AM FROM MOBILE ONE LABORATORIES TO 4613053 P.02

MOBILE/ONE LABORATORIES, INC.

CHAIN-OF-CUSTODY RECORD

Date 3/14/92 page 1 of 2

Client: Halliburton NUS
Address: Site La Mesa RV Center
7601 Alvarado Dr
La Mesa CA
Project: 2N60
Sampler (signature):

Analysis Requested

Sample No.	Date	Time	Location	418						No. of containers	Comments
LMRV-OES-1	3/14/92	1225		X						1	
LMRV-OES-2		1240		X						1	
LMRV-OES-3		1255		X						1	
LMRV-OES-4		1305		X						1	
LMRV-OES-5		1315		X						1	
LMRV-OES-6		1715		X						1	
LMRV-OES-7		1728		X						1	
LMRV-OES-8		1735		X						1	
LMRV-OES-9		1739		X						1	
LMRV-OES-10		1922		X						1	

Storage/Shipping Info.: 10 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
[signature]	[signature]	[signature]	[signature]		
Signature	Signature	Signature	Signature	Signature	Signature
DAVID A. EMINHIZER	Becky Johnson	Becky Johnson	DAVID A. EMINHIZER		
Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
HALLIBURTON NUS	Mobile One Labs	Mobile One Labs	HALLIBURTON NUS		
Company	Company	Company	Company	Company	Company
4/92	3/14/92	3/14/92 2115	3/14/92 2115		
Time	Date Time	Date Time	Date Time	Date Time	Date Time

4 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

MOBILE/one LABORATORIES, INC.

CHAIN-OF-CUSTODY RECORD

Date 3/14/92 Page 2 of 2

Client: Halliburton NUS
Address: site La Mesa RV Center
7601 Alvarado Dr
La Mesa CA
Project: 2N60
Sampler (signature):

Analysis Requested

Sample No.	Date	Time	Location	418.1						No. of containers	Comments
LMRV-OES-11	3/14/92	1930		X						1	
LMRV-OES-12		2015		X						1	
LMRV-OES-13		2025		X						1	
LMRV-OES-14		2100		X						1	
LMRV-OES-15		2102		X						1	

Storage/Shipping Info.:

5 ← Total No. of containers

RELINQUISHED BY	RECEIVED BY	RECEIVED ~~RELINQUISHED~~ BY	RELINQUISHED ~~RECEIVED~~ BY	RELINQUISHED BY	RECEIVED BY
[signature]	[signature]	[signature]	[signature]		
Signature	Signature	Signature	Signature	Signature	Signature
David A. Emmerer	Becky Johnson	David A. Emmerer	Becky Johnson		
Printed Name	Printed Name	Printed Name	Printed Name	Printed Name	Printed Name
Halliburton NUS	Mobile One Labs	Halliburton	Mobile One Labs		
Company	Company	Company	Company	Company	Company
3/14/92	3/14/92	3/14/92 2115	3/14/92 2115		
Time	Date Time	Date Time	Date Time	Date Time	Date Time

TOTAL

64 ELFIN FOREST LANE, ESCONDIDO, CA 92029 PHONE/FAX (619) 591-3666

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO OFFICE

RECEIVED
JAN 3 2 01 PM '95
HEALTH SERVICES

December 30, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Ninety-Day Update Report

Dear Mr. Skinner:

I am writing to provide a ninety-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of September 30, 1994.

We previously submitted a report of site assessment activities prepared by Environmental Business Solutions, as required. Subsequently, all purge water and soil cuttings were disposed of under permit and in accordance with applicable requirements. A report of these activities was submitted. According to the conclusions and recommendations of the report of Environmental Business Solutions, it would appear that no further action is required at this time. We continue to await your concurrence.

All additional required applicable information remains unchanged. Our next update report will be due on March 30, 1995.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO OFFICE

September 30, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Ninety-Day Update Report

Dear Mr. Skinner:

I am writing to provide a ninety-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of June 30, 1994.

We previously submitted a report of site assessment activities prepared by Environmental Business Solutions, as required. Subsequently, all purge water and soil cuttings were disposed of under permit and in accordance with applicable requirements. A report of these activities was submitted. According to the conclusions and recommendations of the report of Environmental Business Solutions, it would appear that no further action is required at this time. We await your concurrence.

All additional required applicable information remains unchanged. Our next update report will be due on December 30, 1994.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO OFFICE

RECEIVED
JUL 5 1 05 PM '94
HEAL... ...CES

June 30, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of May 31, 1994.

During our telephone conversation on Tuesday, you advised you have no objections to our returning to a 90-day reporting schedule. Therefore, we will do so. Accordingly, our next report will be due on September 30, 1994.

You also suggested I contact Mark Fitzmaurice of SA/M since the case was being transferred to him. I spoke to Mr. Fitzmaurice Thursday, and he advised me that the matter has not yet been transferred to him and that I should continue reporting to you. Therefore, until further notice, we will continue to submit all communications to your attention.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO OFFICE

RECEIVED
MAY 31 2 21 PM '94
ENVIRONMENTAL
HEALTH SERVICES

May 31, 1994

HAND DELIVERED

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of April 30, 1994.

Enclosed please find a Report of Disposal of Soil Cuttings and Groundwater prepared by Environmental Business Solutions. This report summarizes the disposal activities which took place on the site between March 18, 1994 and April 21, 1994.

All purge water and soil removed during previous site assessment activities have now been removed from the site.

At your request, we have been providing periodic status update reports on a 30-day reporting schedule pursuant to Title 23, C.C.R. § 2652. In light of the nature of activities at the site in compliance with applicable regulations, we request that we be returned to the usual 90-day reporting schedule. If you approve, our next report will be due August 30, 1994.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

Enclosure

cc: Vincente R. Rodriguez, RWQCB w/encl.
James Buckner, La Mesa RV w/encl.
Daniel Johnson, EBS, Inc. w/o encl.

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Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

May 17, 1994
Project Number: 93E1163.1

Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 W. Broadway, Suite 2600
San Diego, CA 92101

RE: Disposal of Soil Cuttings and Purged Groundwater
La Mesa R. V. Center, 7601 Alvarado Road, La Mesa, California (site)

Dear Mr. Marsh:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter describing the disposal of soil cuttings and purged groundwater generated from the assessment that EBS recently performed at the subject site. The work described in this letter was conducted by EBS in response to your request and authorization, and in general accordance with Agreement For Services 93E1163.1, Change Order Number 3 and the contract between EBS and La Mesa R. V. Center, Inc. (client). The contract was fully executed on February 3, 1994.

BACKGROUND

The site assessment activities performed by EBS included the drilling of nine soil borings, converting three of the soil borings to groundwater monitoring wells (wells), and the sampling of the three wells. Soil cuttings from the soil borings and groundwater removed from the wells during well development and pre-sampling purging were placed in drums, labeled (including data on the material stored in each drum), sealed, and stored along the western wall of the service bay.

On March 3, 1994, Change Order Number 3 was submitted for the disposal of soil cuttings and purged groundwater. The change order was approved on March 11, 1994. Work in Change Order Number 3 included:

- Collecting one composite soil sample from the drums and testing the sample using TCLP procedures for chrome, lead, and cadmium;
- Preparation and submission of an application for batch discharge to the San Diego Industrial Waste Program (IWP);
- Disposal of the drummed groundwater into the sanitary sewer; and,
- Transportation by Alternative Disposal, Inc., of the drummed soil to the Pen-Rob facility in Joseph City, Arizona, for treatment and disposal.

Collecting one composite soil sample from the drums and testing the sample using TCLP procedures for chrome, lead, and cadmium

On March 18, 1994, a representative from EBS visited the site and collected one composite soil sample. The sample was collected from drums containing soil from soil borings B-4 and B-1, the soil borings with

the highest reported concentration of total recoverable petroleum hydrocarbons. Approximately equal volumes of soil were removed from each drum, mixed, and packed into a laboratory-supplied jar. The jar was labeled, sealed, and placed in an ice chest containing blue ice. A "Chain of Custody" form was filled out.

The soil sample was submitted to Analytical Technologies, Inc. (ATI) for analysis. As requested by Pen-Rob, a TCLP extract of the sample was made, and the extract tested for chrome, lead, and cadmium in general accordance with EPA Method 6010. As indicated on the attached laboratory test report, the sample was reported to contain no detectable concentrations of chrome, lead, and cadmium.

Preparation and submission of an application for batch discharge to the San Diego Industrial Waste Program (IWP)

On April 1, 1994, a Groundwater Discharge Authorization Request was submitted to Mr. Toby Shipley of the IWP. On April 11, 1994, the request was approved. A copy of the request is attached.

Disposal of purged groundwater and soil cuttings

On April 21, 1994, a representative from EBS was present at the site to assist in the disposal of the purged groundwater and soil cuttings. Four drums of purged groundwater were moved to the recreational vehicle sewage holding tank clean out located in the southwest portion of the site. Water from the drums was removed with a five-gallon bucket and placed into the sewer inlet at the disposal site. Approximately 100 gallons of water were disposed.

Approximately 15 drums of soil were loaded onto a truck provided by Alternative Disposal, Inc. A representative of La Mesa R. V. Center, Inc. was present to sign the necessary papers. All of the drums were transported to the Pen-Rob facility for treatment. A copy of the Non-Hazardous Waste Data Form is attached.

It was a pleasure working on you with this important project. If we may provide any further assistance, please do not hesitate to contact us.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver
Principal

Daniel E. Johnson
Principal

BSP10/93E11631.lt1

Attachments

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

March 30, 1994
Project Number: 93E1163.1

Copy No. 5

La Mesa R. V. Center, Inc,
c/o Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 West Broadway, Suite 2600
San Diego, CA 92101

RE: Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (site)

Dear Mr. Marsh:

Environmental Business Solutions, Inc. (EBS) is pleased to submit this report which summarizes the soil and groundwater assessment recently conducted at the subject site (Figure 1). The work described in this Report was conducted by EBS in response to your request and authorization and in general accordance with Agreement For Services 93P1163.1 and Change Order's 1, 2, and 3 to the contract between EBS and La Mesa R. V. Center, Inc. (client). The contract was fully executed on February 3, 1994.

BACKGROUND

It is our understanding that four underground storage tanks (USTs) of various capacities were previously located at the site and were recently removed. The underground tanks were reported to store new and used oil and gasoline. The USTs were located immediately to the west and south of a service-bay building at the site (Figure 2). The four USTs at the site were reported to consist of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

The USTs were reported to have been removed by a contractor, Alm Services (Alm), in February, 1988. The "Abandoned Underground Tank Report" prepared for the site by the County inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs removal, although groundwater was observed at a depth of approximately seven feet below grade in the excavation.

Correspondence from Alm to the County in March of 1988 indicates that six soil samples from the USTs excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May of 1988, Alm was reported to have collected an additional three samples from the new and used oil USTs excavation. Detectable concentrations of TRPH were found in each of the three samples.

In March of 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted a multi-day exploratory excavation program at the site. We understand that approximately 400 cubic yards of soil were excavated from the vicinity of the former gasoline and oil USTs. Numerous confirmation samples were collected during the excavation program (see Figure 2 and Tables 1 and 2), but we understand that confirmation samples indicated that soil with elevated concentrations of both TPH and TRPH remains in the vicinity of the excavation (including laterally underneath the service bay building).

We also understand that Halliburton concluded that groundwater in the area of the excavations may be impacted.

It is our understanding, based on review of a letter issued by the SAM on June 2, 1993, that the SAM had requested an additional assessment of the lateral and horizontal extent of petroleum-hydrocarbon-bearing soil and an assessment of groundwater quality.

Site Identification

Site Name:	La Mesa R. V. Center
Site Address:	7601 Alvarado Road, La Mesa, California 92401
SAM Case No.:	T0427/H02651-001
A. P. N.:	469-021-02

Site Location/Description

The site is located south of Interstate 8 in the commercial/retail section of La Mesa, California (Figure 1). Currently the site is used for the sales and service of recreational vehicles. Site improvements include offices, showrooms, service bay areas, and associated driveways and parking areas.

OBJECTIVES

The objectives of the scope of services were to:

- Further assess the vertical and horizontal extent of petroleum-hydrocarbon-bearing soil in the vicinity of the former gasoline, and new and used USTs at the site;
- To assess the groundwater depth, gradient, and flow direction; and,
- To assess the degree of the likelihood that the shallow groundwater at the site has, or has not, been impacted by petroleum-hydrocarbons.

SCOPE OF SERVICES

The scope of services that was developed to meet the objectives included the following phases:

Preparation of a Workplan and Site Health and Safety Plan, Groundwater Monitoring Well Design, Preparation of Well Permits, and Utility Search and Mark Out

EBS prepared a written workplan which was intended to satisfy SAM requirements. The workplan described the field procedures to be utilized in the field investigation, including the type of laboratory analyses to be performed on the soil and groundwater samples, and the soil and groundwater sample collection methods. The workplan included the proposed location for additional soil borings and groundwater monitoring wells. On November 24, 1993, the workplan was submitted to the SAM. On December 3, 1993, the SAM issued a letter stating that the workplan was approved on the condition that the soil sample with the highest reported TPH concentration be analyzed for volatiles in general accordance with EPA Method 8020 and organic lead, that

monitoring well MW-3 be located to the east of the former USTs, and that one additional soil boring be drilled and sampled. A copy of the SAM approval letter is attached in the Appendix.

A health and safety plan for the site was prepared to reflect the current work scope. A health and safety plan for work conducted at the site and workers within the "exclusion" zone is required pursuant to the regulations found in 29 Code of Federal Regulations (CFR) Part 1910.120. As such, a health and safety plan was prepared which outlined the potential chemical and physical hazards that may have to be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards were detailed in this plan. EBS and contracted personnel involved with the proposed field work were required to sign this document in order to encourage proper health and safety practices.

Prior to drilling the soil borings and installing the monitoring wells, the monitoring wells were designed and one permit per well (or soil boring which intersects groundwater) was completed and submitted to the SAM for approval along with the required fee. The permits were submitted to the SAM on January 20, 1994. The permits were approved by the SAM on February 3, 1994. A copy of the approved well permit is attached in the Appendix.

Prior to mobilizing for field work, EBS notified the Underground Service Alert (USA). USA issued ticket number 698190 for the fieldwork and notified Cox Cable, Helix Water District, Pacific Bell, San Diego Gas and Electric, the City of San Diego Water District, the County of San Diego Water Authority, and the City of La Mesa. In addition, EBS used the services of a private underground utility search company to attempt to locate subsurface utilities and improvements at the site to minimize the likelihood of drilling into an underground utility.

Field Activities

TECH. USED TO AVOID AERATION OF SAMPLES—?

On February 10 and 11, 1994, eleven soil borings (B-1, B-1A, B-2, B-3, B-4, B-4A, B-5, B-6, MW-1, MW-2, and MW-3) were drilled, logged, and sampled to depths of between 15 and 20 feet below grade at the site. Groundwater monitoring wells (MW-1, MW-2, and MW-3) were installed in three of the soil borings. Because of the anticipated difficulty in drilling conditions, a Canterra 450 High Torque drill rig was used. Initially, the soil borings were drilled using hollow-stem augers. However, because of refusal encountered at approximately 10 feet below grade, the drill rig was converted to air percussion to continue the drilling operation. It should be noted that soil borings B-2 and B-3 were drilled using a Simco 2000 drill rig. This drill rig was used because of limited access in these two locations.

When possible, soil samples were collected at five-foot intervals using a split-spoon sampler. Due to difficult drilling and sampling conditions, it was not possible to continuously core the first soil boring drilled as originally planned. Additionally, due to difficult drilling and sampling conditions, no sample recoveries were obtained from the soil boring in which well MW-2 was installed. The soil samples were used for description and for laboratory testing. Soil samples were logged by a California certified engineering geologist who described samples in general accordance with the Unified Soil Classification System. Soil boring and well logs are attached in the Appendix. Samples for laboratory testing were tightly packed into laboratory supplied glass jars, sealed, labeled, double bagged and placed in an ice-filled cooler or stored in the refrigerator of an on-site mobile laboratory provided by Transglobal Environmental Geochemistry (TEG). Chain-of-Custody procedures were implemented for sample tracking.

Soil borings were backfilled using appropriate grout. As stipulated by San Diego County guidelines, a steam cleaner was on site to steam clean the augers between soil borings to minimize the likelihood of "cross-contaminating" a given boring and to minimize the potential for a "false-positive" in the soil samples analyzed.

Sampling equipment was cleaned using a four bucket wash; a tri sodium phosphate (TSP) water cleaner, two tap water rinses, and a final spray rinse with deionized water. Decontamination water from the steam cleaning and sampling wash was placed in drums, labeled, and left on site. Soil cuttings were placed in DOT rated 55-gallon drums, labeled, and left on site.

Three wells (MW-1, MW-2, and MW-3) were installed using four-inch diameter screen and casing. It was originally planned to install the wells to a depth of approximately 20 feet below grade. After the drilling of the soil borings in which wells MW-1 and MW-2 were to be installed, the lower five feet of each of the boreholes (approximately 15 to 20 feet below grade) collapsed, and sealed off the lower five feet of the soil boring. Therefore, wells MW-1 and MW-2 were installed to a depth of approximately 15 feet below grade. It should be noted that a distinctive cemented gravel layer was encountered in wells MW-1 and MW-2 at a depth of approximately 15 feet below grade. This same layer was encountered during the drilling of the soil boring in which well MW-3 was installed. In this boring, the cemented gravel layer was encountered at a depth of approximately eight feet below grade. Well MW-3 was terminated at a depth of approximately 15 feet below grade. Well construction diagrams are presented on the attached logs.

After the sand pack was placed and before bentonite was poured, the wells were developed using a surge block. Development water was removed from the casing using a bailer and poured into drums, labeled, and left on site. After the development was completed additional sand was placed, as needed, and the bentonite seal installed.

On February 17, 1994, the three wells were monitored, purged, and sampled. The wells were monitored using an electronic interface probe, which is capable of detecting both water and product. In addition, a bailer was lowered into each well to visually assess the presence of free product. Free product was not observed or detected. The wells were purged using a hand bailer. All downhole sampling and monitoring equipment was cleaned using a four bucket wash; a TSP-water cleaner, two tap rinses, and a final spray rinse with deionized water. Decontamination water was placed in drums, labeled, and left on site. Three borehole volumes of water were removed and placed in a drum, labeled, and left on site. After the water levels in the wells recharged to at least 80 percent of the pre-purging level, a water sample was collected using a disposable bailer. The water samples were decanted into laboratory-supplied containers, capped, labeled and placed in an ice-filled cooler. Chain-of-custody procedures were implemented for sample tracking. The samples were delivered to TEG and Analytical Technologies, Inc. (ATI) for analysis.

On February 26, 1994, Hopwood Surveying, a licensed land surveyor, established relative elevations for the top of the casing (TOC) for each well and also established the horizontal location of each well and soil boring.

Laboratory Analysis

All soil samples were tested for TPH as gasoline and diesel in general accordance with modified EPA Method 8015 (California DOHS Method) and TRPH in general accordance with EPA Method 418.1. The soil sample with the highest reported TRPH concentration (sample B1-10') was also tested for volatile halogenated and aromatic hydrocarbons in general accordance with EPA Method 8010/8020, organic lead in general accordance with EPA Method 6010, and organochlorine pesticides and PCBs in general accordance with EPA Method 8080. Soil sample laboratory test results are attached in the Appendix.

All groundwater samples were tested for TPH as gasoline and diesel in general accordance with modified EPA Method 8015 (California DOHS Method), and benzene, toluene, ethylbenzene, and xylenes (BTEX) in general accordance with EPA Method 8020. The groundwater sample collected from well MW-2 was also tested for total lead in general accordance with EPA Method 7421. Laboratory test results are attached in the appendix.

FINDINGS

Site Geology and Hydrogeology

As mapped by Kennedy (1975, Geology of the San Diego Metropolitan Area, California: C.D.M.G. Bull. 200), the site is interpreted to be underlain by the Eocene Stadium Conglomerate. Geologic materials encountered during our assessment include fill soils, topsoil, and Alluvium. A brief description of these units is presented below:

- Fill

  Fill soil was encountered in all the soil borings. These deposits generally consisted of dark gray brown gravelly silty sand (SM), black silty gravelly sand (SW), and yellow brown clayey sand (SC). Fill soil was observed to extend to a maximum depth of approximately eight feet below grade.

- Topsoil

  Topsoil was encountered in soil borings and wells B-1, B-3, B-4, B-5, MW-1, and MW-2. Topsoil generally consisted of a dark brown silty sand/sandy silt (SM/ML). Topsoil was encountered to a maximum depth of approximately 12 feet below grade.

- Alluvium

  Alluvium was encountered in all soil borings and wells. These deposits generally consisted of red brown gravel/silty gravel (GW/GM), yellow brown gravelly clayey sand (SC) and a distinctive and cemented yellow brown gravelly clayey sand (SC). It should be noted that the cemented layer was encountered in all soil borings and wells, and appeared to be dipping towards the west.

As interpreted from maps prepared by the Regional Water Quality Control Board, San Diego Region (RWQCB) Comprehensive Water Quality Control Plan Report, dated 1979, the site is located within the Chollas Hydrologic Subarea (8.22) of the San Diego Mesa Hydrologic Area (8.20) of the Pueblo San Diego Hydrologic Unit (8.00). As stated in the RWQCB Resolution No. 91-79, this basin does not have any existing or potential municipal and industrial beneficial uses of groundwater. It should be noted that the site is located near the northern boundary of the Chollas Hydrologic Subarea, and that the basin interpreted to be to the north (Mission San Diego Hydrologic Subarea) has potential beneficial municipal groundwater uses.

✓ w/ JRO

As shown on Table 3, the shallow groundwater beneath the site is generally encountered at a depth of approximately four and one half to nine feet below grade. The shallow groundwater is interpreted to generally flow towards the west (Figure 3) at a gradient of approximately 0.08 (eight feet of elevation difference for every 100 feet of horizontal distance). It should be noted that the interpreted flow direction is away from the Mission San Diego Hydrologic Subarea. - PARALLEL -

The shallow groundwater at the site is interpreted to be a perched water table. As previously stated, there was a cemented zone that was encountered during the drilling activities. It is our professional opinion that this cemented zone is a confining layer on which the shallow groundwater is perched. Figure 4 is an interpretation of the groundwater conditions at the site.

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Soil Sample Analytical Results

Total Petroleum Hydrocarbons as Gasoline and Diesel

Thirty soil samples were tested for TPH as gasoline (TPH_g) and diesel (TPH_d) in general accordance with modified EPA Method 8015. As shown on Table 4, and Figures 5, 6, 7, 8, and 9, soil samples with reported concentrations of TPH_g and TPH_d were only collected from soil borings B-1, B-4 and well MW-1.

Soil boring B-1 is located 15 feet southwest of the former gasoline UST. Soil samples collected from soil boring B-1 had reported TPH_g concentrations ranging from 66 to 174 milligrams/kiliograms (mg/kg), and TPH_d concentrations ranging from 131 to 271 mg/kg. It should be noted that the soil sample collected from a depth of approximately 15 feet below grade was reported to have no detectable concentrations of TPH_g and TPH_d.

Soil boring B-4 is located in the reported location of former gasoline UST. Soil samples collected from soil boring B-4 had reported TPH_g concentrations ranging from 14 to 82 mg/kg. It should be noted that the soil samples collected from below a depth of approximately 15 feet below grade were reported to have no detectable concentrations of TPH_g. Only one soil sample collected from soil boring B-4 was reported to have detectable TPH_d concentrations. The soil sample collected at a depth of approximately eight feet below grade was reported to have a TPH_d concentration of 87 mg/kg.

Well MW-1 is located approximately 15 feet west of the former gasoline UST. Only two soil samples collected from well MW-1 were reported to have a detectable TPH_g concentration. The soil samples collected from depths of approximately eight and ten feet below grade had reported TPH_g concentrations of 17 and 36 mg/kg, respectively. Only two soil samples collected from well MW-1were reported to have detectable TPH_d concentrations. The soil samples collected at depths of approximately eight and ten feet below grade were reported to have TPH_d concentrations of 14 and 29 mg/kg, respectively.

Total Recoverable Petroleum Hydrocarbons

Thirty soil samples were tested for TRPH in general accordance with EPA Method 418.1. As shown on Table 4, and Figures 5, 6, 7, 8, and 9, soil samples collected from all soil borings and wells, with the exception of soil boring B-5, had reported TRPH concentrations. Reported TRPH concentrations ranged from 11 to 9,140 mg/kg. It should be noted that the samples with the highest reported TRPH concentrations were collected from soil boring B-1, located to the west, in the interpreted downgradient direction of the former used and new oil USTs. It should also be noted that the soil samples collected from well MW-3, located to the east, upgradient of the former used and new oil USTs had reported TRPH concentrations of less than 100 mg/kg.

Benzene, Toluene, Ethylbenzene, and Xylenes

The soil sample with the highest reported TPH_g and TRPH concentrations (soil sample B1-10') was also tested for BTEX in general accordance with EPA Method 8020. It should be noted that this soil sample was collected near the field interpreted water table. As shown on the attached laboratory test report, this soil sample was reported to have no detectable BTEX concentrations.

Aromatic Hydrocarbons

Soil sample B1-10' was also tested for aromatic hydrocarbons in general accordance with EPA Method 8010. As shown on the attached laboratory test report, this soil sample was reported to have no detectable concentrations of aromatic hydrocarbons.

PCBs and Organochlorine Pesticides

Soil sample B1-10' was also tested for PCBs and organochlorine pesticides in general accordance with EPA Method 8080. As shown on the attached laboratory test report, this soil sample was reported to have no detectable concentrations of PCBs or organochlorine pesticides.

Organic Lead

Soil sample B1-10' was also tested for organic lead in general accordance with EPA Method 6010. As shown on the attached laboratory test report, this soil sample was reported to have an organic lead concentration of 1.5 mg/kg.

Groundwater Sample Test Results

Total Petroleum Hydrocarbons as Gasoline and Diesel

Groundwater samples were tested for TPH_g and TPH_d in general accordance with modified EPA Method 8015. As shown on Table 5, all three water samples were reported to have no detectable concentrations of TPH_g and TPH_d.

Benzene, Toluene, Ethylbenzene, and Xylenes

Each groundwater sample was tested for BTEX in general accordance with EPA Method 8020. As shown on Table 5, all three water samples were reported to have no detectable BTEX concentrations.

Total Lead

The groundwater sample collected from well MW-2 was tested for total lead by ATI in general accordance with EPA Method 7421. As shown on the attached laboratory test report, the sample collected from well MW-2 had a reported total lead concentration of 0.002 mg/l.

DISCUSSION

Assessment of the Vertical and Horizontal Extent of Petroleum-Hydrocarbon-Bearing Soil

Gasoline and Diesel-Bearing Soil

As shown on Figures 5, 6, 7, 8, and 9, the extent of gasoline and diesel-bearing soil has been interpreted to be limited to the immediate vicinity of the former gasoline UST pit. The basis for this interpretation is presented below:

- The northern extent of gasoline and diesel-bearing soil is estimated using the laboratory test results from soil samples GES-3, GES-4, and GES-2. As shown on Figure 5 and on Table 4, these soil samples were collected from approximately five to eight feet below grade and were reported to have no detectable TPH_g and TPH_d concentrations.

- The eastern extent of gasoline and diesel-bearing soil is estimated using the laboratory test results from soil samples GES-5, GES-7 and the soil samples collected from soil boring B-3. As shown on Figure 5 and on Table 4, with the exception of soil sample GES-7, all these soil

samples were reported to have no detectable concentrations of TPH. Soil sample GES-7 was reported to have a TPH_g concentration of 27 mg/kg.

Review of laboratory test results and observations made during the drilling activities indicate that the released fuel travelled along the top of the cemented layer which appears to dip towards the west. Therefore, this augments our professional opinion that the eastern extent of fuel-bearing soil is limited.

- The southern extent of gasoline and diesel-bearing soil is estimated using the laboratory test results from soil boring B-5. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring B-5 were reported to have no detectable concentrations of TPH.

  It should be noted that soil boring B-5 was drilled south of the excavation, approximately 35 feet south of the former gasoline UST. It is our professional opinion that the southern extent of fuel-bearing soil is to the north of soil boring B-5.

- The western extent of gasoline-bearing soil can be estimated using the laboratory test results from soil boring B-6 and well MW-1. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring B-6, located in an interpreted downgradient location from the former USTs, were reported to have no detectable concentrations of TPH_g and TPH_d. As shown on Figure 5 and on Table 4, only three soil samples collected from well MW-1, located in an interpreted downgradient location from the former USTs were reported to have detectable concentrations of TPH_g and TPH_d, and these three soil samples were reported to have TPH_g and TPH_d concentrations of less than 29 mg/kg.

  It should be noted that soil boring B-6 was drilled approximately 50 feet to the west of the former gasoline UST. It is our professional opinion that the western extent of fuel-bearing soil is well to the east of soil boring B-6.

The vertical extent of gasoline and diesel-bearing soil is interpreted to extend to a maximum depth of approximately 15 feet below grade. As shown on Figures 5, 6, 7, 8, and 9, and on Table 4, it is our professional opinion that the cemented layer has limited the vertical migration of gasoline and diesel fuel into the subsurface.

TRPH-Bearing Soil

- The southern extent of TRPH-bearing soil (soil with TRPH concentrations greater than 1,000 mg/kg) is estimated using the laboratory test results from soil boring B-5. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring B-5 were reported to have no detectable concentrations of TRPH.

  It should be noted that soil boring B-5 was drilled south of the excavation, approximately 10 feet south of the former oil USTs. It is our professional opinion that the southern extent of TRPH-bearing soil is to the north of soil boring B-5.

- The eastern extent of TRPH-bearing soil is estimated using the laboratory test results from well MW-3. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring MW-3 were reported to have TRPH concentrations of less than 100 mg/kg.

- The western extent of gasoline-bearing soil can be estimated using the laboratory test results

from soil boring B-6. As shown on Figure 5 and on Table 4, all of the soil samples collected from soil boring B-6, located in an interpreted downgradient location from the former USTs were reported to have TRPH concentrations of less than 100 mg/kg.

It should be noted that soil boring B-6 was drilled approximately 50 feet to the west of the former oil USTs. It is our professional opinion that the western extent of TRPH-bearing soil is well to the east of soil boring B-6.

Assessment of Groundwater Quality at the Site

Three wells have been installed and sampled at the site. Groundwater monitoring wells MW-1 and MW-2 are located adjacent to, and in the interpreted downgradient direction from the former gasoline and oil USTs. Well MW-3 is located adjacent to, and upgradient from the former gasoline and oil USTs. As shown on Table 5, all of the groundwater samples were reported to have no detectable TPH_g, TPH_d, and BTEX concentrations.

Because groundwater samples collected from the downgradient wells were reported to have no detectable BTEX concentrations, it is our professional opinion that there is a low likelihood that the shallow groundwater at the site has been impacted by petroleum-hydrocarbons.

Based on a review of the laboratory test results of the collected groundwater samples, and the observed westerly shallow groundwater flow direction, it is our professional opinion that there is a low likelihood that the shallow groundwater at the site is a source of groundwater degradation to the Mission San Diego Hydrologic Subarea. As stated previously, the Mission San Diego Hydrologic Subarea is interpreted to be located up and crossgradient from the site.

CONCLUSIONS

Based on the data reviewed and obtained as part of this assessment, current regulatory guidelines, and our experience, in our professional judgement we have made the following conclusions:

- The horizontal extent of gasoline and diesel-bearing soil is generally limited to the immediate vicinity of the former UST excavation at the site. Gasoline and diesel-bearing soil extends to a maximum depth of approximately 15 feet below grade.

- The horizontal extent of TRPH-bearing soil (soil with TRPH concentrations greater than 1,000 mg/kg) has generally been assessed. Using available data, the western, southern, and eastern limits of TRPH-bearing soil have been inferred. The maximum extent of TRPH-bearing soil has been inferred to extend approximately 30 feet in the interpreted downgradient direction from the former oil USTs.

- Shallow groundwater at the site is interpreted to exist as a perched groundwater table. Groundwater generally occurs at a depth of approximately five to eight feet below grade. Locally, groundwater generally flows towards the west at a gradient of 0.08.

- Groundwater samples collected from wells at the site indicate that there is a low likelihood that groundwater at the site has been impacted with petroleum-hydrocarbons.

RECOMMENDATION

- This report should be sent to the SAM and RWQCB for review. Upon SAM and RWQCB review of this report, we recommend that you request a meeting with representatives of the SAM and RWQCB to discuss establishing site action levels for TRPH and TPH in soil.

It has been a pleasure working with you on this project. If we may provide any further assistance, please do not hesitate to contact us.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG 1364
Principal

Daniel E. Johnson
Principal

Enclosures
BSP9/93E11631.rpt

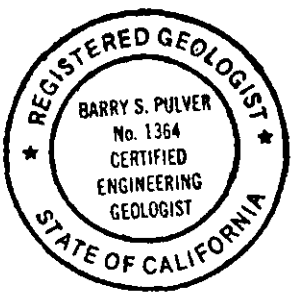


TABLE 1

SOIL SAMPLE TEST RESULTS - GASOLINE UST EXCAVATION

SAMPLES COLLECTED BY HALLIBURTON NUS ENVIRONMENTAL CORP. IN MARCH 1992

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
NORTH WALL	GES-2	8	---	<10	<10
	GES-3	8	---	<10	<10
	GES-4	5	---	<10	<10
EAST WALL	GES-5	8	---	<10	<10
	GES-6	9	27,000	920	<10
	GES-7	5.5	---	27	<10
SOUTHERN EDGE	GES-8	8.5	---	470	<10
	GES-9	8.5	---	590	170
	GES-10	6.5	---	<10	<10
WEST WALL	GES-11	8.5	3,300	980	<10
	GES-12	8.5	450	140	<10
	GES-13	6.5	---	<10	<10
BOTTOM	GES-1	8	---	280	130

Notes:

1. Samples tested by Mobile One laboratories, Inc. for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, and total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

2. --- = Not tested

TABLE 2

SOIL SAMPLE TEST RESULTS - OIL UST EXCAVATION

SAMPLES COLLECTED BY HALLIBURTON NUS ENVIRONMENTAL CORP. IN MARCH 1992

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)
NORTH WALL	OES-1	8.5	<10
	OES-5	5	15
	OES-10	7.5	15,600
	OES-14	8	8,000
	OES-15	7	7,700
	OES-16	6	8,200
EAST WALL	OES-2	12	<10
	OES-7	6	<10
SOUTH WALL	OES-3	12	<10
	OES-9	6	260
	OES-4	12	<10
	OES-8	5.5	<10
WEST WALL	OES-11	8	16,000
	OES-12	6	18,000
	OES-13	6	23,000

Notes:

1. Samples tested by Mobile One laboratories, Inc. for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1.

TABLE 3

GROUNDWATER MONITORING RESULTS

WELLS MONITORED BY EBS ON FEBRUARY 17, 1994

WELL NUMBER	DEPTH TO WATER	DEPTH TO PRODUCT	TOC-ELEV	ELEV-GW
MW-1	8.01	***	97.93	89.92
MW-2	8.71	***	98.53	89.82
MW-3	4.65	***	98.89	94.24

Notes:

1. All measurements in feet.
2. TOC-ELEV = Relative elevation of the top of casing in feet. TOC-ELEV from survey performed by Hopwood Surveying on February 26. 1994.
3. ELEV-GW = Relative elevation of groundwater as measured in well in feet.
4. *** = Product not encountered in well.

TABLE 4

SOIL SAMPLE TEST RESULTS

SOIL SAMPLES COLLECTED BY EBS ON FEBRUARY 10 AND 11, 1994

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
SOIL BORING B-1	B1-5'	5	31	<10	<10
	B1-8'	8	8,430	66	131
	B1-10'	10	9,140	174	271
	B1-12'	12	6,680	77	131
	B1A-15'	15	433	<10	<10
SOIL BORING B-2	B2-5'	5	19	<10	<10
	B2-8'	8	35	<10	<10
SOIL BORING B-3	B3-5'	5	<10	<10	<10
	B3-8'	8	<10	<10	<10
	B3-10'	10	904	<10	<10
	B3-15'	15	17	<10	<10
SOIL BORING B-4	B4-5'	5	<10	<10	<10
	B4-8'	8	3,750	82	87
	B4-10'	10	366	<10	<10
	B4-11'	11	956	14	<10
	B4A-15'	15	187	<10	<10
	B4A-20'	20	27	<10	<10
SOIL BORING B-5	B5-5'	5	<10	<10	<10
	B5-10'	10	<10	<10	<10
SOIL BORING B-6	B6-5'	5	96	<10	<10
	B6-8'	8	97	<10	<10

Notes:

1. Soil samples collected by EBS on February 10 and 11, 1994, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

TABLE 4 (CONTINUED)

SOIL SAMPLE TEST RESULTS

SOIL SAMPLES COLLECTED BY EBS ON FEBRUARY 10 AND 11, 1994

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
WELL MW-1	MW1-5'	5	<10	<10	<10
	MW1-8'	8	761	17	14
	MW1-10'	10	962	<10	29
	MW1-15'	15	206	<10	<10
	MW1-20'	20	59	<10	<10
WELL MW-3	MW3-5'	5	52	<10	<10
	MW3-8'	8	27	<10	<10
	MW3-10'	10	11	<10	<10
	MW3-15'	15	83	<10	<10

Notes:

1. Soil samples collected by EBS on February 10 and 11, 1994, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

TABLE 5

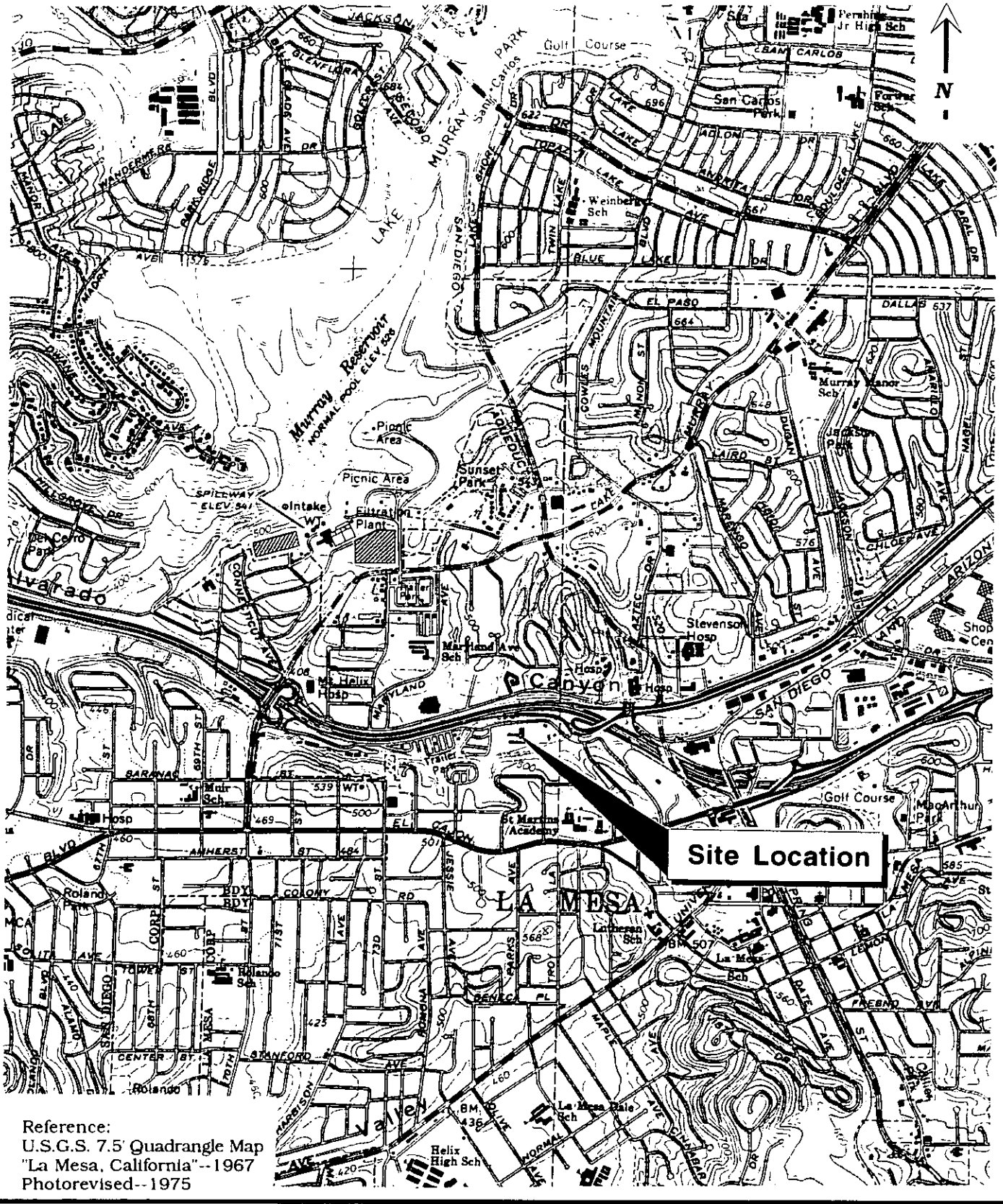
GROUNDWATER SAMPLE TEST RESULTS
TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND DIESEL
AND BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES

SAMPLES COLLECTED BY EBS ON FEBRUARY 17, 1994

WELL NUMBER	TPH_g (µg/l)	TPH_d (µg/l)	BENZENE (µg/l)	TOLUENE (µg/l)	ETHYL-BENZENE (µg/l)	XYLENES (µg/l)
MW-1	<500	<500	<0.5	<0.5	<0.5	<0.5
MW-2	<500	<500	<0.5	<0.5	<0.5	<0.5
MW-3	<500	<500	<0.5	<0.5	<0.5	<0.5

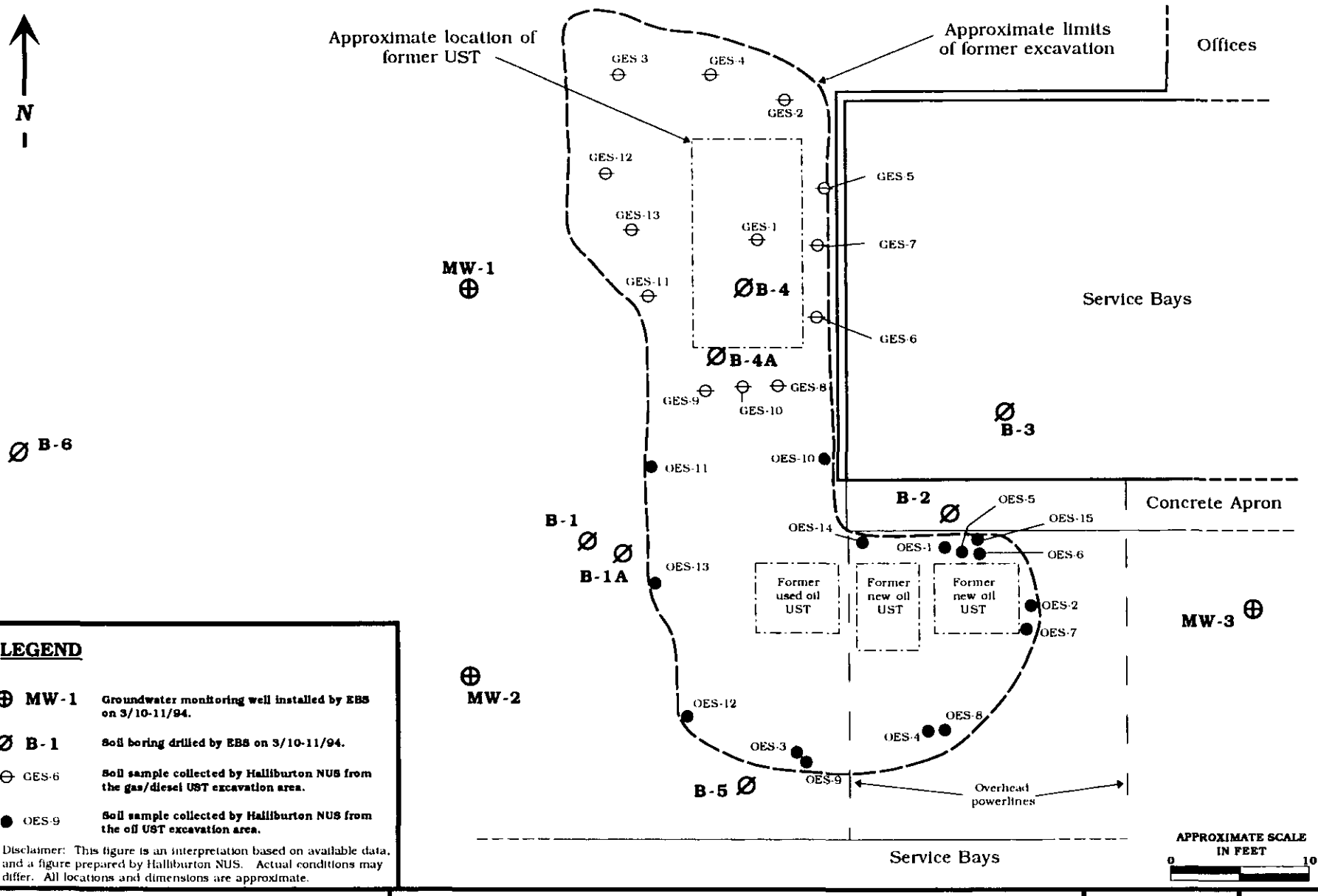
Notes:

1. Samples tested by Transglobal Environmental Geochemistry, Inc. for total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015, and for benzene, toluene, ethylbenzene, and xylenes in general accordance with EPA Method 8020.



Reference:
U.S.G.S. 7.5' Quadrangle Map
"La Mesa, California"--1967
Photorevised--1975

Environmental Business Solutions, Inc.	**Site Location Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.1** **Figure 1**



LEGEND

⊕ MW-1	Groundwater monitoring well installed by EBS on 3/10-11/94.
Ø B-1	Soil boring drilled by EBS on 3/10-11/94.
⊖ GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
● OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

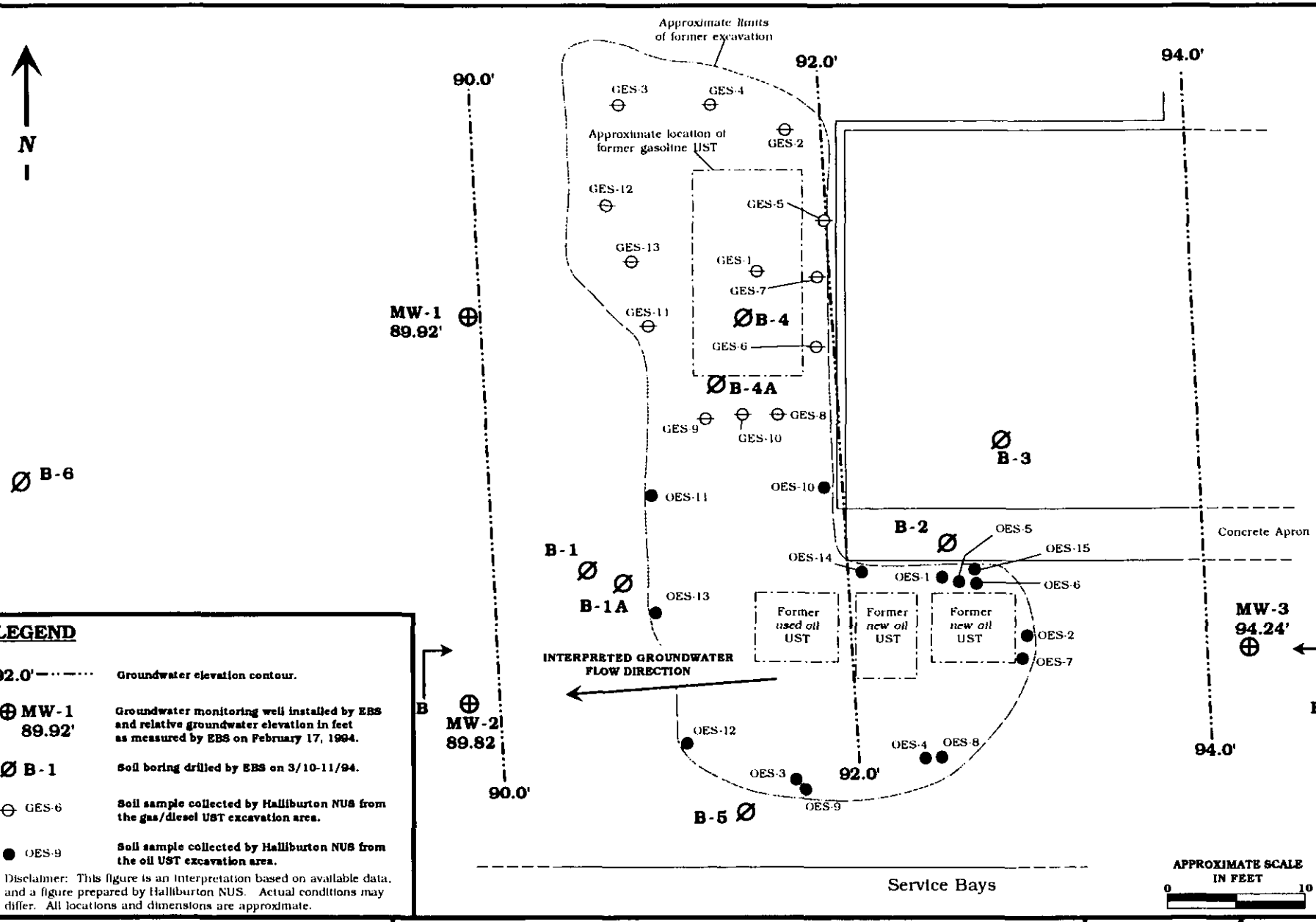
Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.

Site Plan

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.	Figure
93E1163.1	2



LEGEND

92.0'	Groundwater elevation contour.
⊕ MW-1 89.92'	Groundwater monitoring well installed by EBS and relative groundwater elevation in feet as measured by EBS on February 17, 1994.
Ø B-1	Soil boring drilled by EBS on 3/10-11/94.
⊖ GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
● OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

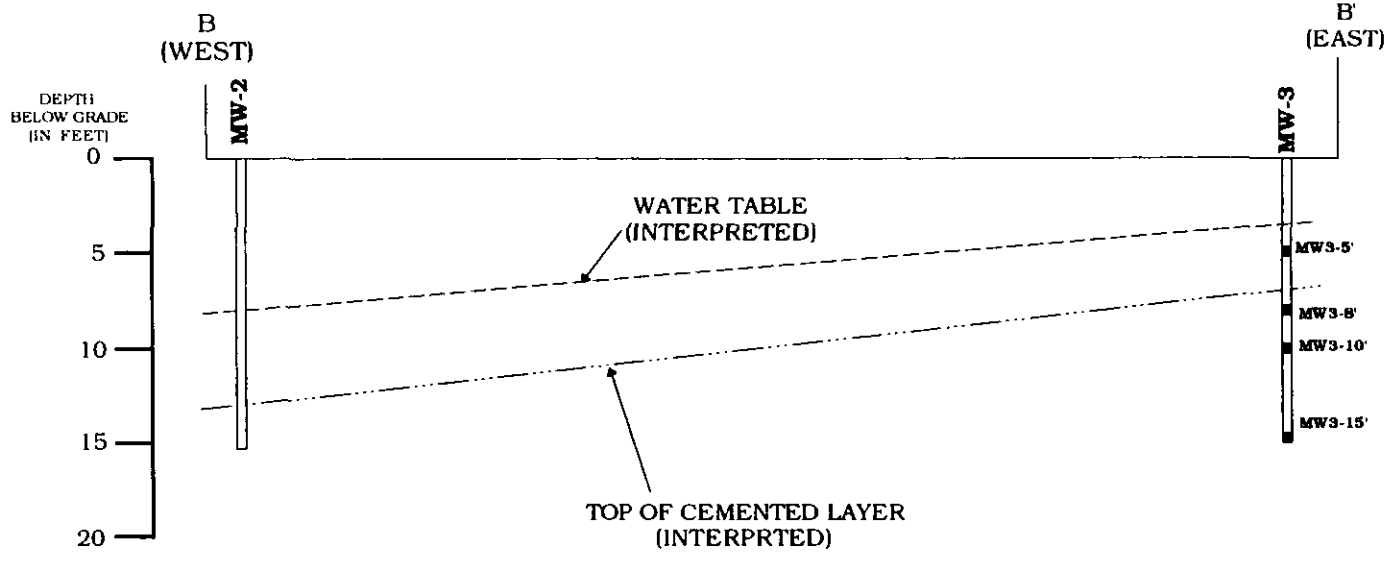
Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.

Groundwater Gradient Map

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.	Figure
93E1163.1	3



LEGEND

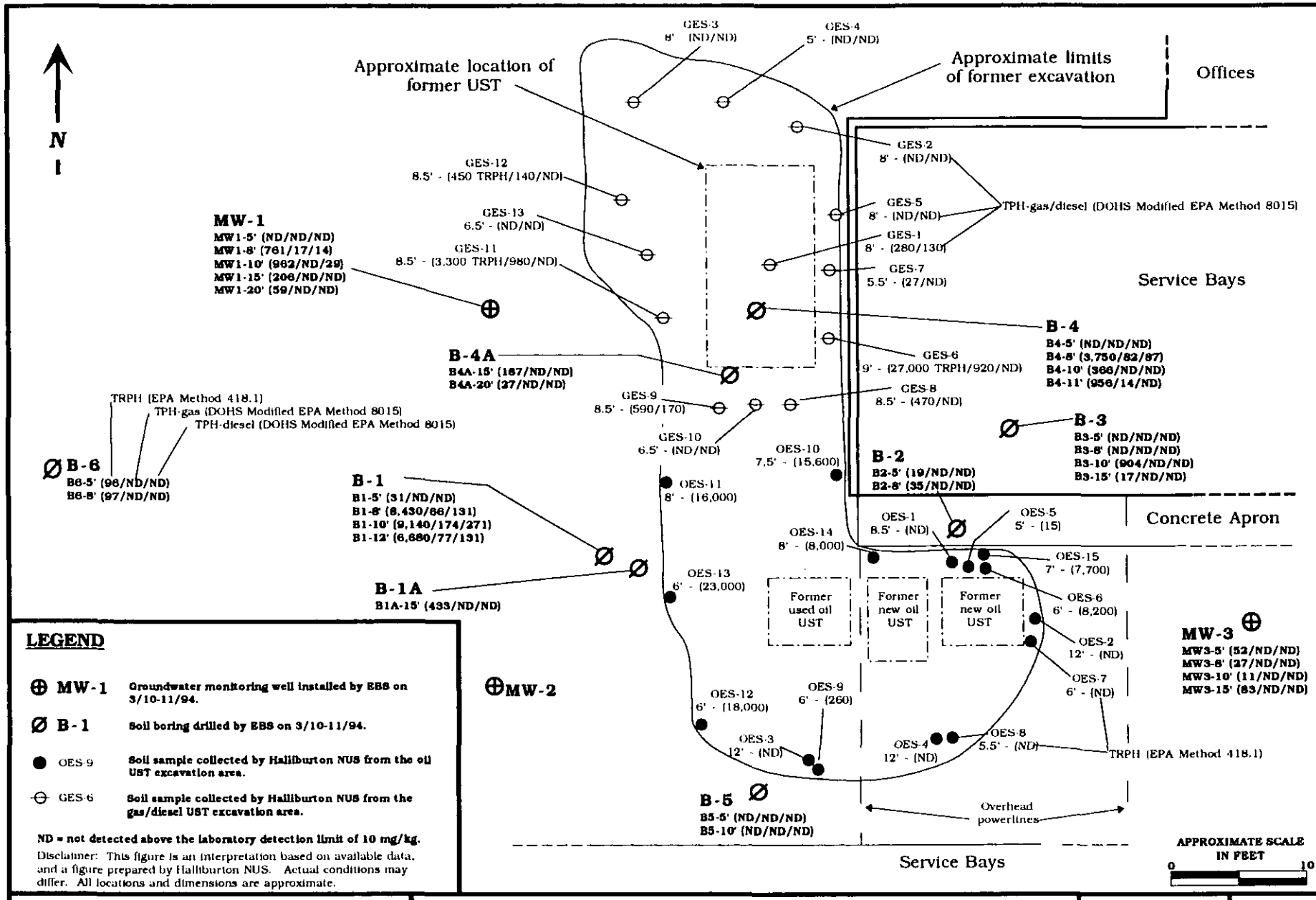
■ MW1-8' Soil sample collected by EBS during drilling of monitoring well/soil boring

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Schematic Representation of Groundwater and Cemented Layer** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 4



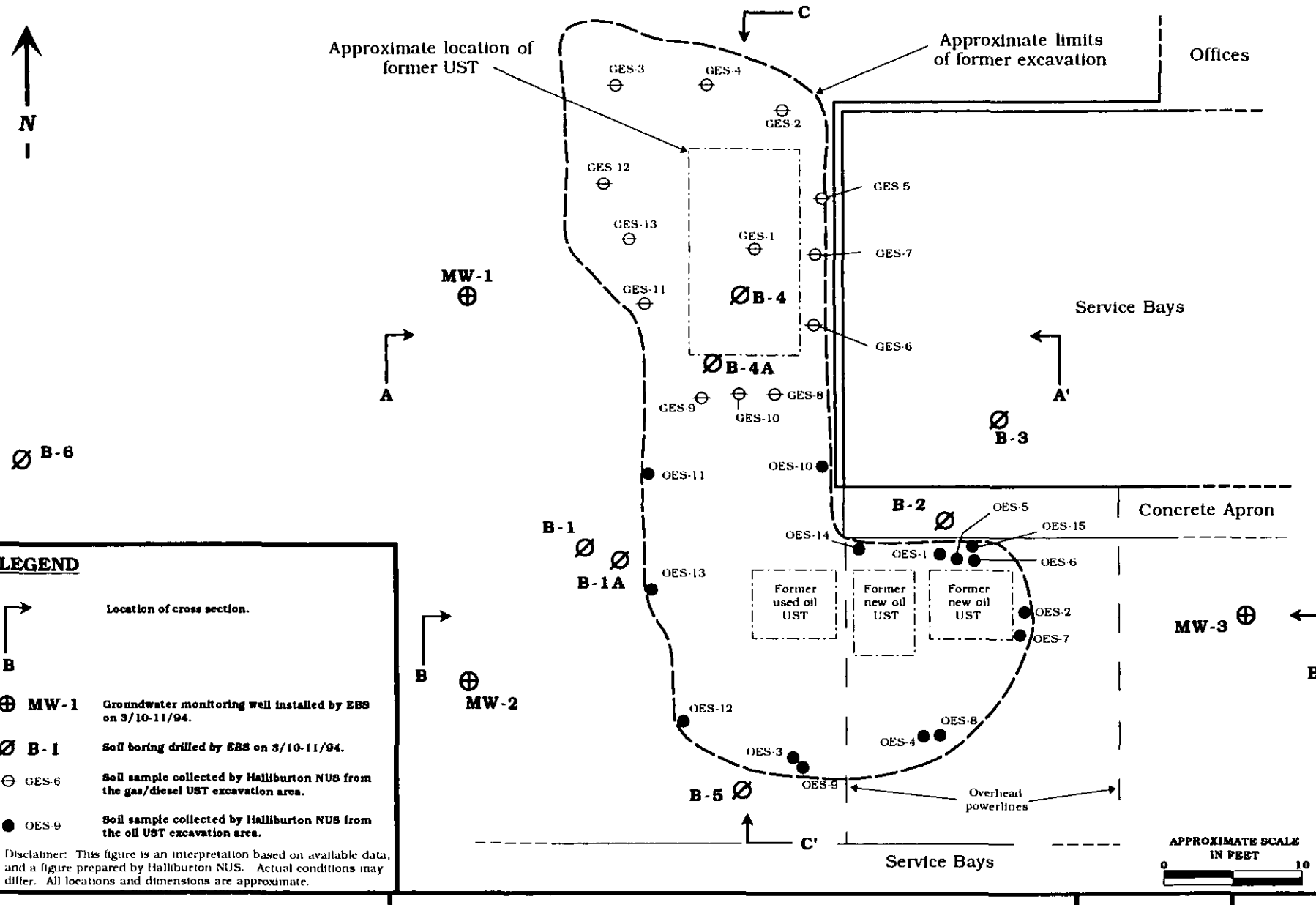
LEGEND

- ⊕ MW-1 — Groundwater monitoring well installed by EBS on 3/10-11/94.
- Ø B-1 — Soil boring drilled by EBS on 3/10-11/94.
- ● OES-9 — Soil sample collected by Halliburton NUS from the oil UST excavation area.
- ⊖ GES-6 — Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.

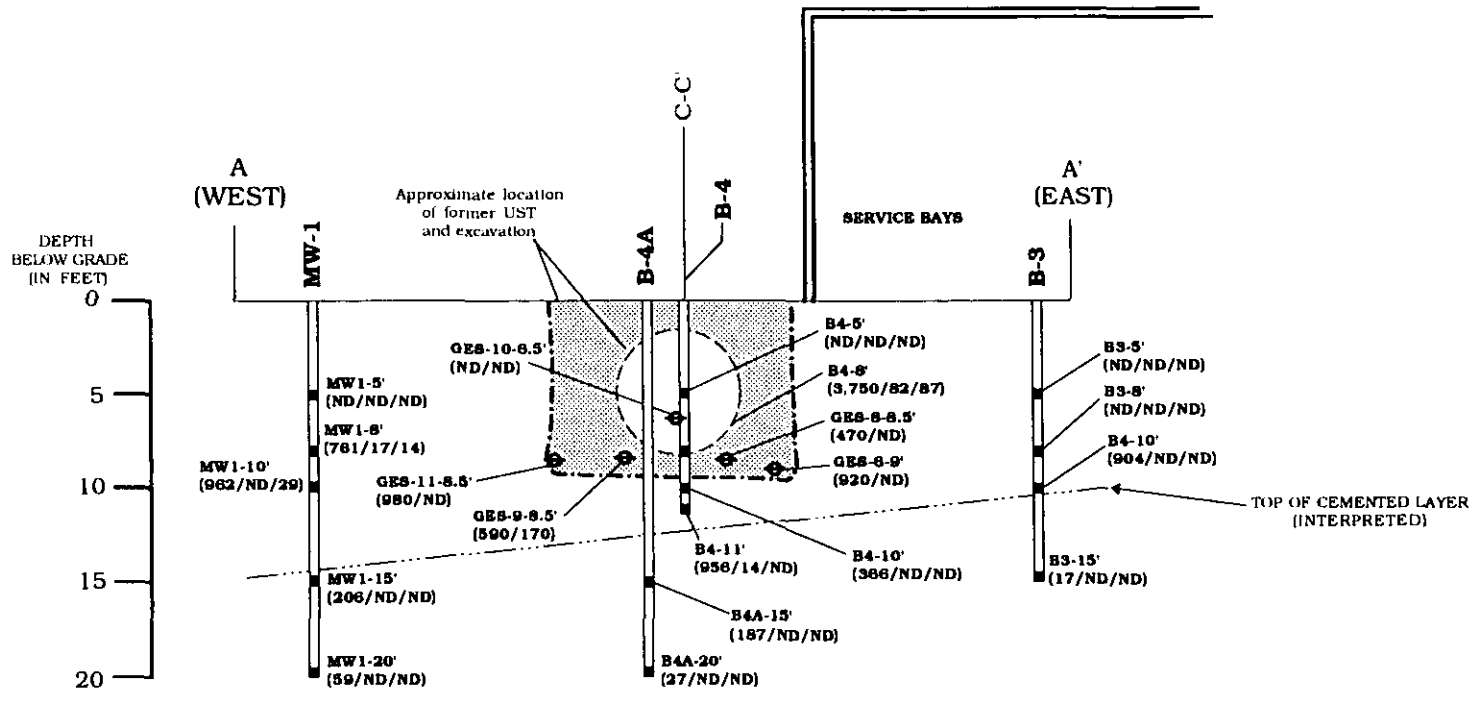
ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Soil Sample Test Results** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 5



Environmental Business Solutions, Inc.	**Site Plan with Cross Section Locations** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 6



LEGEND

MW1-8' (761/17/14) — Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

GES-6-9' (920/ND) — Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

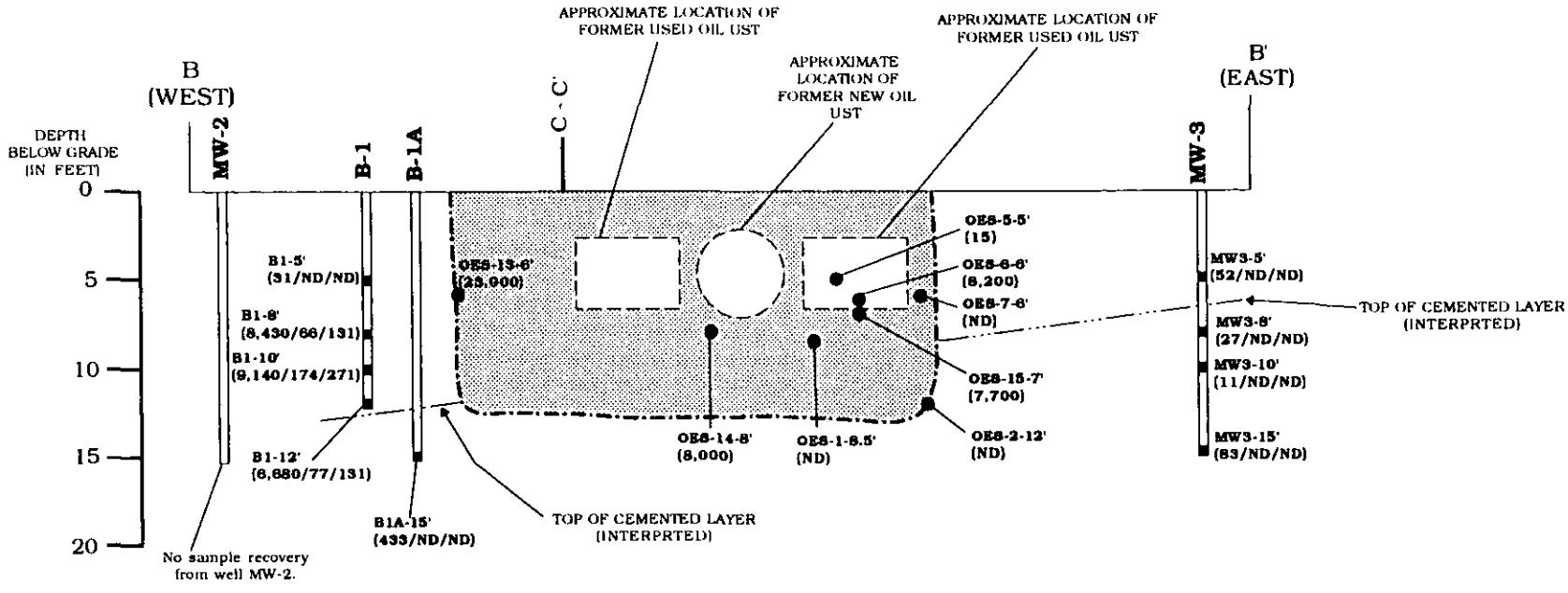
APPROXIMATE SCALE IN FEET

0 10 20

Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Cross Section A - A'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.1**	**Figure** **7**



LEGEND

■ **MW1-8' (761/17/14)** — Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.

⊖ **GES-6 (920/ND)** — Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.

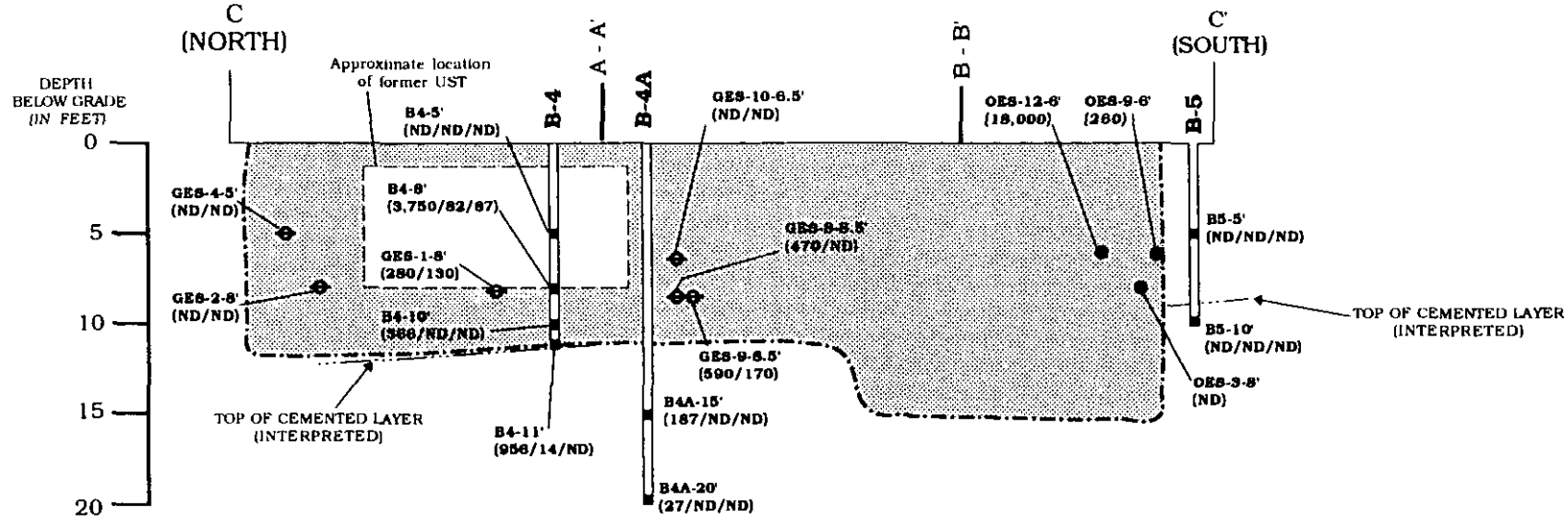
APPROXIMATE SCALE IN FEET

0 10 20

Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Cross Section B - B'** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.1**	**Figure** **8**



LEGEND

■ MW1-8' (761/17/14)	Soil sample collected by EBS during drilling of monitoring well/soil boring. Indicates sample number, depth in feet below grade and TRPH/TPHg/TPHd concentration in mg/kg. ND = not detected above laboratory detection limits.
⊖ GES-6 (920/ND)	Soil sample collected by Halliburton NUS during UST removal from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade and TPHg/TPHd concentration in ppm. ND = not detected above laboratory detection limits.
● OES-9 6' - (260)	Soil sample collected by Halliburton NUS during UST removal from the oil UST excavation area. Indicatesd sample number, depth in feet below grade and TRPH concentration in ppm. ND = not detected above laboratory detection limits.

Note: Some samples projected onto cross section.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

APPROXIMATE SCALE IN FEET

0 10 20

Environmental Business Solutions, Inc.	**Cross Section C - C'** **La Mesa R.V. Center** 7601 Alvarado Road *La Mesa, California*	**Project No.** 93E1163.1	**Figure** 9

WORKPLAN APPROVAL LETTER

RECEIVED
DEC 17 1993
Environmental Business Solutions Inc

ROBERT K. ROSS, M.D.
DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222
Fax #: 338-2174

SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

December 9, 1993

James Buckner
La Mesa RV Center
7601 Alvarado Rd.
La Mesa, CA 92041

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE #T0427/H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

The staff of the Site Assessment and Mitigation Division (SAM) have reviewed this case. This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the workplan dated November 24, 1993.

The workplan prepared by Dan Johnson/Environmental Business Solutions (EBS) covers one of the following phases of corrective action:

Interim Remedial Action	( )
Preliminary Site Assessment	(X)
Soil and Water Investigation	( )
Corrective Action Plan Implementation	( )
Verification Monitoring	( )

The workplan proposing to continue the soil and ground water investigation has been:

( ) approved.
( ) disapproved-call the undersigned for further instructions.
(X) approved with the following changes or conditions:

- The soil sample with the highest result for total petroleum hydrocarbons (TPH) must also be analyzed for volatiles by method 8020, and organic lead.

  The final report must include cross-sections of the soil contamination that depict the delineation achieved.

- The location proposed for MW-3 may not allow for accurate calculation of the ground water flow direction, based on the locations of wells MW-1 and 2 and the suspected local gradient to the north/northwest. It is recommended that well MW-3 be relocated to the east of sample points OES-15 and OES-6, approximately ten feet east of the edge of the previous excavation. This will also allow for lateral delineation of soil contamination in this area.

  However, there is still a requirement for lateral delineation of soil contamination in the vicinity of the previous location proposed for MW-3, i.e., to the south of OES-9 and OES-12. It is recommended that a soil boring, rather than a well, be placed at this location, in order to define the horizontal limits of soil contamination in this direction.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Chapter 6.75, Article 6).

Please submit a report describing the results of the activities described in the workplan to SAM and the Regional Water Quality Control Board (RWQCB) by January 30, 1994.

Please call me at (619) 338-2396, if you have any questions.

Sincerely,

LARS SKINNER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

LS:gl

cc: Vincente Rodríguez, RWQCB
Dan Johnson, EBS
Stephen Marsh, Luce, Forward, Hamilton, & Scripps

SOIL BORING AND WELL LOGS

Major Soil Divisions			Group Symbol	Descriptions
Coarse Grained Soils (>50 % of material is larger than No. 200 sieve.)	GRAVELS (% gravel > % sand.)	Clean Gravels (<5 % fines)	GW	Well graded gravels, little or no fines.
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		Gravel With Fines (>15 % fines)	GM	Silty gravels, gravel-sand-silt mixtures, non-plastic fines.
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS (% sand ≥ % gravel.)	Clean Sands (<5 % fines)	SW	Well graded sands or gravelly sands, little or no fines.
			SP	Poorly graded sands, little or no fines.
		Sands With Fines (>15 % fines)	SM	Silty sands, sand-silt mixtures, non-plastic fines.
			SC	Clayey sands, sand-clay mixtures, plastic fines.
Fine Grained Soils (> 50 % of material is smaller than No. 200 sieve.)	SILTS AND CLAYS (Liquid limit is <50 %)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
			OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS (Liquid limit is >50 %)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
			CH	Inorganic clays of high plasticity, fat clays.
			OH	Organic clays of medium to high plasticity, organic silts.
Highly Organic Soils			Pt	Peat and other highly organic soils.

FINES	SAND			GRAVEL		COBBLES	BOULDERS
(Silt or Clay)	Fine	Medium	Coarse	Fine	Coarse		

U.S.Standard Sieve Sizes #200 1/64" 1/8" 1/4" 3/4" 3" 12" Particle Size Limits

Environmental Business Solutions, Inc.

Soil Classification Legend

(Adapted from the Unified Soil Classiification Standard - USCS)

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-1*

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SW		**Pavement:** Asphaltic concrete.	
			1			**Fill:** Black silty gravelly sand, medium sand, subrounded gravel to 4", mottled texture, damp.	
			2				
			3				
			4				
			5				
B1-5'	31/ND/ND	50	6				
			7			**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
B1-8'	8,430/66/131	24	8			▼ 8 feet below grade: Water encountered during drilling.	
			9	SM/ML			
B1-10'	9,140/174/271	55	10				
			11				
			12			**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
B1-12'	6,680/77/131	50/4"	13	SC			
			14				
B1A-15'	433/ND/ND	50/3"	15			Borehole terminated at 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			16				
			17			* Log is compilation of log B-1 (auger to 12' below grade) and log B-1A (air percussion to 15' below grade). Soil sample B1A-15' was collected on 2/11/94. Caving below 12' prohibited sample retrieval. On 2/11/94 a hollow stem auger was used to clean out the hole and collect soil sample B1A-15'.	
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/24/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-2

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/Mike

Date Drilled: 2-11-94

Date Drafted: 2-25-94

Drill Rig/Sampling Method: Simco 2000/California Split Spoon

Borehole Dia.: 10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete	
			1				
			2			**Fill:** Dark grey brown silty sand, occasional fine subangular gravel, mottled texture damp.	
			3	SM			
			4				
			5			∅ 5 feet below grade: Water encountered.	
B2-5'	19/ND/ND	75	6				
			7				
B2-8'	35/ND/ND	50/3"	8	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			9				
			10			Auger refusal at 9 feet below grade. Groundwater encountered at 5 feet below grade at time of drilling. Backfilled with bentonite.	
			11				
			12				
			13				
			14				
			15				
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG #1364 Date: 3/24/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-3

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/Mike

Date Drilled: 2-11-94

Date Drafted: 2-25-94

Drill Rig/Sampling Method: Simco 2000/California Split Spoon

Borehole Dia.: 10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SM		**Pavement:** Concrete.	
			1			**Fill:** Dark grey brown silty sand, occasional fine subangular gravel, mottled texture, damp.	
			2				
			3				
			4				
B3-5'	ND/ND/ND	35	5				
			6				
			7	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
B3-8'	ND/ND/ND	32	8			@ 8 feet below grade: Water encountered.	
			9				
B3-10'	904/ND/ND	43	10	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			11				
			12				
			13				
			14				
B3-15'	17/ND/ND	50/4"	15			Borehole terminated at 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: _____

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-4 *

Client: La Mesa R.V. Center | Job No: 93E1163.1 | Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SC		**Pavement:** Asphaltic concrete.	
			1			**Fill:** Modedrate yellowish brown, gravelly clayey sand, moist.	
			2				
			3				
			4				
B4-5'	ND/ND/ND	15	5			@ 5 feet below grade: Geofabric in sampler.	
			6				
			7	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
B4-8'	3,750/82/87	45	8			@ 8 feet below grade: Water encountered.	
			9				
B4-10'	366/ND/ND	50/1"	10			**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
B4-11'	956/14/ND	50/3"	11				
			12			@ 12 feet below grade: Auger refusal, drilled B-4A with air percussion.	
			13				
			14				
B4A-15'	187/ND/ND	50/5"	15	SC			
			16				
			17				
			18				
			19				
B4A-20'	27/ND/ND	50/6"	20			Borehole terminated at 20 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			21				
			22			* Log is compilation of log B-4 (auger to 12 feet below grade) and log B-4A (air percussion from 12 to 15 feet below grade). Soil boring B-4A was drilled on 2/11/94.	
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-5

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SC		**Pavement:** Asphaltic concrete.	
			1				
			2			**Fill:** Modedrate yellowish brown, gravelly clayey sand, moist.	
			3				
			4	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
B5-5'	ND/ND/ND	55	5				
			6				
			7			@ 7 feet below grade: Auger refusal, converted to air percussion.	
			8			@ 8 feet below grade: Water encountered.	
			9				
B5-10'	ND/ND/ND	50/3"	10	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			11				
			12				
			13				
			14				
		85/2"	15				
			16			Borehole terminated at 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Backfilled with bentonite.	
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/29/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BOREHOLE LOG

Number: B-6

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled: 2-10-94

Date Drafted: 2-25-94

Drill Rig/Sampling Method: Canterra Drill Rig/California Split Spoon

Borehole Dia.: 10"

SAMPLE LOG		BOREHOLE LOG					BH LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete.	
			1				
			2			**Fill:** Modedrate yellowish brown, gravelly clayey sand moist.	
			3	SC			
			4				
B6-5'	96/ND/ND	50/3"	5				
			6			▼ 6 feet below grade: Water encountered. Drillers comment: "very hard".	
			7	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			8				
B6-8'	97/ND/ND	50/5"	9			Refusal due to caving at 9 feet below grade. Groundwater encountered at 6 feet below grade at time of drilling. Backfilled with bentonite.	
			10				
			11				
			12				
			13				
			14				
			15				
			16				
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: _____ License #: CEG #1364 Date: 3/24/94

Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

WELL LOG

Number: MW-1

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
2-10-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"	4"	

SAMPLE LOG		BOREHOLE LOG					WELL LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0	SC		**Pavement:** Asphaltic concrete.	
			1				
			2				
			3			**Fill:** Moderate yellowish brown, gravelly clayey sand, moist.	
			4				
			5				
MW1-5'	ND/ND/ND	90	6	SM/ML		**Topsoil:** Dark brown, silty sand/sandy silt, occassional sub-angular gravel, root fragments, massive texture, damp to wet.	
			7				
			8			@ 8 feet below grade: Water encountered.	
MW1-8'	761/17/14	50/3"	9	GW/GM			
			10			**Alluvium:** Red brown gravel/silty gravel, course sub-angular gravel, wet.	
MW1-10'	962/ND/29	50/3"	11				
			12				
			13				
			14				
MW1-15'	206/ND/ND	50/3"	15	SC		**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented.	
			16				
			17				
			18				
			19				
MW1-20'	59/ND/ND	50/4"	20			Borehole terminated at 20 feet below grade and caved to 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Well installed on 2/11/94.	
			21				
			22				
			23				
			24				
			25				
			26				
			27				

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Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

WELL LOG

Number: MW-2

Client: La Mesa R.V. Center	Job No: 93E1163.1	Sheet: 1 of 1	
EBS Rep: Barry S. Pulver	Location: 7601 Alvarado Road La Mesa, California	Drilling Company/Driller: Tri-County Drilling/James	
Date Drilled: 2-10-94	Date Drafted: 2-25-94	Drill Rig/Sampling Method: Canterra Drill Rig/California Split Spoon	Borehole Dia.: 10" / Casing Dia.: 4" / Surface Elevation:

SAMPLE LOG		BOREHOLE LOG					WELL LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** Asphaltic concrete.	
			1				
			2	SC			
			3			**Fill:** Modedrate yellowish brown, gravelly clayey sand moist.	
			4				
		15	5			***Topsoil:*** *Dark brown, silty sand/sandy silt, occassional* sub-angular gravel, root fragments, massive texture, damp to wet.	
			6	SM/ML			
			7				
			8			*@ 8 feet below grade: Water encountered.*	
			9				
			10			**Alluvium:** Red brown gravel/silty gravel, course sub-angular gravel, wet. No recovery of sample.	
			11	GW/GM			
			12				
			13				
			14				
			15				
			16			**Alluvium:** Moderate yellow brown, gravelly clayey sand, medium sand, fine to course sub-angular gravel, cemented. No recovery of sample.	
			17				
			18	SC			
			19				
			20				
			21			Borehole terminated at 20 feet below grade and caved to 15 feet below grade. Groundwater encountered at 8 feet below grade at time of drilling. Caving below 8 feet below grade prevented collection of soil samples. Well installed on 2/10/94.	
			22				
			23				
			24				
			25				
			26				
			27				

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Reviewed By: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

WELL LOG

Number: MW-3

Client: La Mesa R.V. Center

Job No: 93E1163.1

Sheet: 1 of 1

EBS Rep: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: Tri-County Drilling/James

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
2-11-94	2-25-94	Canterra Drill Rig/California Split Spoon	10"	4"	

SAMPLE LOG		BOREHOLE LOG					WELL LOG
Sample Number	Lab Results TRPH/TPHg/TPHd	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0			**Pavement:** *Asphaltic concrete.*	
			1			**Fill:** Dark grey brown silty sand, occasional fine subangular gravel, mottled texture, damp.	
			2				
			3				
			4				
			5			**Alluvium:** Red brown gravel/silty gravel, course sub-angular gravel, wet.	
MW3-5'	52/ND/ND	90	6			@ 5 feet below grade: Water encountered.	
			7				
			8				
MW3-8'	27/ND/ND	50/5"	9			**Alluvium:** Moderate yellow brown gravelly clayey sand, medium sand, fine to course subangular gravel, cemented.	
			10				
MW3-10'	11/ND/ND	50/5"	11	SC			
			12				
			13				
			14				
MW3-15'	83/ND/ND	50/3"	15				
			16			Borehole terminated at 15 feet below grade. Groundwater encountered at 5 feet below grade at time of drilling. Well installed on 2/11/94.	
			17				
			18				
			19				
			20				
			21				
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: [signature] License #: CEG #1364 Date: 3/24/94

Reviewed By: _____ License #: _____ Date: _____

LABORATORY REPORTS
SOIL

teg

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY, INC.

February 12, 1994

Mr. Barry Pulver
Environmental Business Solutions, Inc.
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

PROJECT FILE
Project No 93E1163.1
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FEB 23 1994
Environmental Business Solutions, Inc

SUBJECT: DATA REPORT - LA MESA R.V. CENTER, 7601 ALVARADO RD., SAN DIEGO, CA - EBS PROJECT #93E1163.1

TEG Project #940210T3

Mr. Pulver:

Please find enclosed a data report for soil samples from the above referenced project for Environmental Business Solutions. The samples were analyzed in TEG's California DOHS certified mobile laboratories (CERT #1317). TEG personnel conducted the following analyses:

- 30 soils for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015.
- 30 soils for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included on the tables.

TEG appreciates the opportunity to provide analytical services to Environmental Business Solutions for this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Sheri W. Hartman

Ms. Sheri Hartman
President

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

ENVIRONMENTAL BUSINESS SOLUTIONS PROJECT #93E1163.1
La Mesa R.V. Center
7601 Alvarado Rd.
San Diego, CA

TEG Project #940210T3

TRPH (EPA Method 418.1) & TPH (DOHS Mod. EPA Method 8015) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
METHOD BLANK	02/10/94	ND	ND	ND
METHOD BLANK	02/11/94	ND	ND	ND
B4-5'	02/10/94	ND	ND	ND
B4-8'	02/10/94	3,750	82	87
B4-10'	02/10/94	366	ND	ND
B4-11'	02/10/94	956	14	ND
B4A-15'	02/11/94	187	ND	ND
B4A-20'	02/11/94	27	ND	ND
B1-5'	02/10/94	31	ND	ND
B1-8'	02/10/94	8,430	66	131
B1-10'	02/10/94	9,140	174	271
B1-12'	02/10/94	6,680	77	131
B1A-15'	02/11/94	433	ND	ND
B5-5'	02/10/94	ND	ND	ND
B5-10'	02/10/94	ND	ND	ND
B5-10' DUP	02/10/94	ND	ND	ND
MW1-5'	02/11/94	ND	ND	ND
MW1-8'	02/11/94	761	17	14
MW1-8' DUP	02/11/94	768	36	25
MW1-10'	02/11/94	962	ND	29
MW1-15'	02/11/94	206	ND	ND
MW1-20'	02/11/94	59	ND	ND
B2-5'	02/11/94	19	ND	ND
B2-8'	02/11/94	35	ND	ND
B3-5'	02/11/94	ND	ND	ND
B3-8'	02/11/94	ND	ND	ND
B3-10'	02/11/94	904	ND	ND
B3-15'	02/11/94	17	ND	ND
MW3-5'	02/11/94	52	ND	ND
MW3-8'	02/11/94	27	ND	ND
MW3-10'	02/11/94	11	ND	ND
MW3-15'	02/11/94	83	ND	ND
B6-5'	02/11/94	96	ND	ND
B6-8'	02/11/94	97	ND	ND
DETECTION LIMITS		10	10	10

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

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ENVIRONMENTAL BUSINESS SOLUTIONS, INC.
PROJECT #93E1163.1
La Mesa RV, La Mesa, CA

TEG Project #940210T3

VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8010/8020) ANALYSES OF SOILS

	BLANK	BLANK	B1-10'	B1-10' RERUN
DATE RECEIVED			02/11/94	02/25/94
DATE EXTRACTED			02/14/94	02/25/94
DATE ANALYZED	02/14/94	02/28/94	02/14/94	02/28/94
FREON 12	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd
FREON 11	nd	nd	nd	nd
1,1 DiCHLORO ETHENE	nd	nd	nd	nd
METHYLENE CHLORIDE	nd	nd	nd	nd
1,2 Trans DiCHLORO ETHENE	nd	nd	nd	nd
1,1 DiCHLORO ETHANE	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd
1,2 Cis DiCHLORO ETHENE	nd	nd	nd	nd
1,1,1 TriCHLORO ETHANE	nd	nd	nd	nd
CARBON TetraCHLORIDE	nd	nd	nd	nd
1,2 DiCHLORO ETHANE	nd	nd	nd	nd
TriCHLORO ETHENE	nd	nd	nd	nd
1,2 DiCHLORO PROPANE	nd	nd	nd	nd
BROMO DiCHLORO METHANE	nd	nd	nd	nd
Cis DiCHLORO PROPENE	nd	nd	nd	nd
Trans DiCHLORO PROPENE	nd	nd	nd	nd
1,1,2 TriCHLORO ETHANE	nd	nd	nd	nd
TetraCHLORO ETHENE	nd	nd	nd	nd
TetraCHLORO ETHANE	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	0.712	0.644
TOTAL XYLENES	nd	nd	1.455	1.368
SURROGATE RECOVERY (%)	100.5%	99.6%	89.5%	106.1%

ND INDICATES NOT DETECTED AT DETECTION LIMIT OF 0.050 MG/KG FOR EACH COMPOUND

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)

ANALYSES PERFORMED BY: MS. STACIE WISSLER

DATA REVIEWED BY: MS. SHERI HARTMAN Sheri Hartman 3/3/94

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

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ENVIRONMENTAL BUSINESS SOLUTIONS PROJECT #93E1163.1
La Mesa R.V. Center
7601 Alvarado Rd.
San Diego, CA

TEG Project #940210T3

TRPH (EPA Method 418.1) & TPH (DOHS Mod. EPA Method 8015) ANALYSES OF SOILS

	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)
QA/QC DATA - MATRIX SPIKE ANALYSIS				
Spiked Conc.	02/10/94	500	200	500
Measured Conc.		524	177	410
% Recovery		104.8%	88.5%	82.0%
Spiked Conc.	02/10/94	500	200	500
Measured Conc.		534	186	454
% Recovery		106.8%	93.0%	90.8%
RPD		1.9%	5.0%	10.2%
Spiked Conc.	02/11/94	500	200	500
Measured Conc.		499	181	509
% Recovery		99.8%	90.5%	101.8%
Spiked Conc.	02/11/94	500	200	500
Measured Conc.		507	185	465
% Recovery		101.4%	92.5%	93.0%
RPD		1.6%	2.2%	9.0%

ACCEPTABLE RECOVERY LIMITS: 65% TO 135%

ANALYSES PERFORMED ON-SITE IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1317)

ANALYSES PEFORMED BY: MR. WES ROBB

DATA REVIEWED BY: MS. SHERI HARTMAN Sheri W Hartman 2/14/94

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

ANALYTICAL PROCEDURES

SAMPLE PREPARATION

Waters

Separate water aliquots are extracted for TPH analysis (gasoline and diesel) by liquid-liquid extraction with freon 113 using a modified EPA Method 3510. For volatile aromatics and chlorinated hydrocarbons (EPA 601 & 602), water samples are purged of volatiles in a Tekmar LSC-2000 purge & trap following EPA Method 5030.

Soils

Soil samples are extracted with methanol for volatile chlorinated hydrocarbon compounds (EPA 8010) and with freon 113 for volatile aromatic hydrocarbon compounds (EPA 8020) and fuel compounds (DOHS approved EPA 8015m) by hand-shaking for 2 minutes and sonification for 10 minutes.

GAS CHROMATOGRAPHY

Volatile Chlorinated Hydrocarbons

Water samples and soil extracts are purged in a Tekmar LSC-2000 purge & trap, and backflushed into a Shimadzu 14A gas chromatograph equipped with megabore capillary columns and photoionization detector (PID) and Hall electrolytic detectors following EPA Methods 601/8010 and 602/8020.

Volatile Aromatic Hydrocarbons (BTEX) & Total Fuel Hydrocarbons (TPH)

An aliquot of the soil extract is injected on-column into a Shimadzu gas chromatograph equipped with megabore capillary columns, photoionization (PID) and flame ionization detectors (FID).

TOTAL RECOVERABLE HYDROCARBONS

Extracts are scrubbed with silica gel and measured on a BUCK 404 Infrared Analyzer following EPA 418.1 protocols.

DATA ACQUISITION & PROCESSING

Data from the gas chromatographs are integrated and plotted by Hewlett-Packard 3393A computing integrators. Separate chromatograms are printed for each detector. The resulting chromatograms are inspected at the end of each run and the data entered into an IBM-compatible computer for on-site processing and evaluation.

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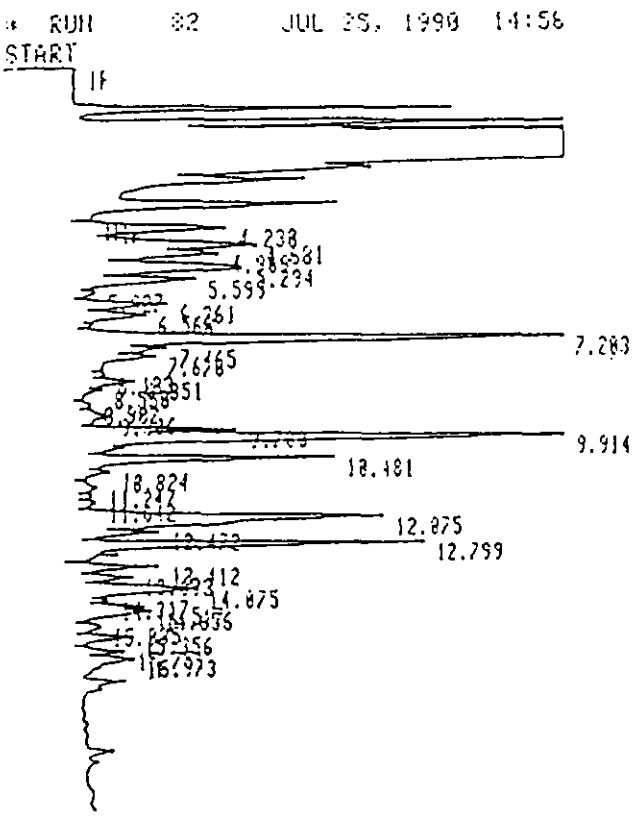
Transglobal Environmental Geochemistry

TOTAL PETROLEUM HYDROCARBONS (EPA 8015m)

GASOLINE



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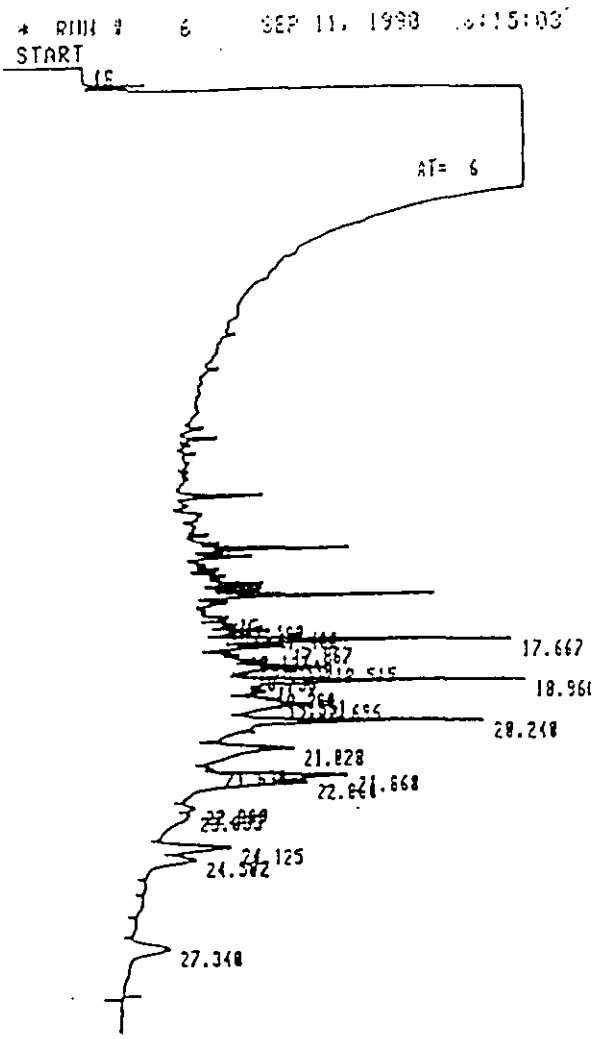
RUN# 82 JUL 25, 1998 14:58:41

SIGNAL FILE: M:SIGNAL.BHC

EPA METHOD 8015

DIESEL



TIMETABLE STOP

Closing signal file M:SIGNAL .BHC

RUN# 6 SEP 11, 1998 18:15:03

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Transglobal Environmental Geochemistry

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS
ADDRESS: 8799 Balboa Suite 290 San Diego CA 92123
PHONE: 571 5500 FAX: 571 5357
CLIENT PROJECT #: 93611631 PROJECT MANAGER: D. Johnson

DATE: 2/10/94 PAGE 1 OF 1
TEG PROJECT #: 9410210T3
LOCATION: La Mesa R.V.
COLLECTOR: B. Pulver DATE OF COLLECTION: 2/10/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Number
B4-5'			Soil	Jar				X		X												
B4-8'								X		X												
B4-10'								X		X												
B4-11'								X		X										(1)		
B1-5'								X		X												
B1-8'								X		X												
B1-10'								X		X										8010, 8020, 8080 BTEX, LEAD		
B1-12'								X		X										(2)		
B5-5'								X		X												
B5-10'								X		X												

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME
Wesley C. Pulver 2/10/94 1530

SAMPLE DISPOSAL INSTRUCTIONS
☐ TEG DISPOSAL @ $2.00 each ☒ Return ☐ Pickup

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS
CHAIN OF CUSTODY SEALS Y/N/NA
SEALS INTACT? Y/N/NA
RECEIVED GOOD COND./COLD
NOTES:

LABORATORY NOTES:
If problem with analysis, call Mike Bsp

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: CBS

ADDRESS: 8799 Balboa Suite 290 S.D. CA 92123

PHONE: 571-5500 FAX: 571 5357

CLIENT PROJECT #: 15E1163.1 PROJECT MANAGER: D. JOHNSON

DATE: 2/10/94 PAGE 1 OF 3

TEG PROJECT #: 9402103

LOCATION: LA MESA R.V., 7601 ALVARADO RD, S.D.

COLLECTOR: B. PULVER DATE OF COLLECTION: 2/11/94

Sample Number	Depth	Time	Sample Type	Container Type*	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Number
MW1-5	5'		SOIL	JAR				X			X										1	
MW1-8	8'		"	"																	1	
MW1-10	10'		"	"																	1	
B1A-15	15'		"	"																	1	
MW1-15	15'		"	"																	1	
MW1-20	20'		"	"																	1	
B3-5	5'		"	"																	1	
B3-8	8'		"	"																	1	
B3-10	10'		"	"																	1	
B4A-15	15'		"	"																	1	
B3-15	15'		"	"																	1	
MW3-5	5'		"	"																	1	
MW3-8	8'		"	"																	1	
B2-5	5'		"	"																	1	
MW3-10	10'		"	"																	1	
B2-8	8'		"	"																	1	
MW3-15	15'		"	"																	1	
B6-5	5'		"	"																	1	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	2/11/94	[signature]	2/11/94
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☒ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	18
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS

ADDRESS: 8799 BALBOA SUITE 290 S.D. CA 92123

PHONE: 571-5500 FAX: 571-5357

CLIENT PROJECT #: 93E1163.1 PROJECT MANAGER: D JOHNSON

DATE: 2/11/94 PAGE 2 OF 2

TEG PROJECT #: 9402103

LOCATION: LAMEA RV, 7601 ALVARADO RD, SD

COLLECTOR: B. PULVER DATE OF COLLECTION: 2/11/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Number
B6-8	8'		SOIL	TAR				X		X										1	
BAA-20'	20'		"	"				X		X										1	

RELINQUISHED BY: (Signature) DATE/TIME 2/11/94 RECEIVED BY: (Signature) DATE/TIME

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) 2/11/94 DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☒ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	2
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

Att #1 402169

CLIENT: EBS
ADDRESS: 8799 Balboa Suite 290 San Diego
PHONE: 5715560 FAX: 571-5357
CLIENT PROJECT #: 9381139.4 PROJECT MANAGER: B. Pulver

DATE: 2 14 94 PAGE 1 OF 1
TEG PROJECT #: 940210-T3
LOCATION: —
COLLECTOR: Pulver DATE OF COLLECTION: 2/9/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS						FIELD NOTES	Total Number Of Containers	Laboratory Note Number
B1 10'	10'		Soil	4oz. Jar										X		X										1	
																									4°C		

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	2/14/94 1450		
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
		[signature]	2/14/94 14..

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☑ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y/N
NOTES:	

LABORATORY NOTES:
Bill to EBS
CC Report to TEG.

RECEIVED
MAR 01 1994
Environmental Business Solutions, Inc.

Analytical Technologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

PROJECT FILE
Project No. _____
DO NOT REMOVE

ATI I.D.: 402169

February 28, 1994

ENVIRONMENTAL BUSINESS SOLUTIONS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

Project Name: (NONE)
Project # :

Attention: B. PULVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
February 14, 1994	1	SOIL

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

The results of these analyses and the quality control data are enclosed.

ROBERT L MANRIQUEZ
PROJECT MANAGER

M. E. SHIGLEY
LABORATORY MANAGER

cc: JULIE BAILEY
TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY
432 N. CEDROS
SOLANA BEACH, CA 92075

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

Report Date: February 28, 1994
ATI I.D. : 402169

ATI #	Client Description	Matrix	Date Collected
1	B1 10'	SOIL	10-FEB-94

---TOTALS---

Matrix	# Samples
SOIL	1

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D.: 402169

Analysis	Technique/Description
EPA 6010 (LEAD, ORGANIC)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 8080 (ORGANOCHLORINE PESTICIDES & PCB'S)	GC/ELECTRON CAPTURE DETECTOR

Analytical Technologies, Inc.

METALS RESULTS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D.: 402169

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	B1 10'	SOIL	10-FEB-94	14-FEB-94

Parameter	Units	1
ORGANIC LEAD	MG/KG	1.5

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

DUP/MS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D. : 402169

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
ORGANIC LEAD	402169-01	MG/KG	1.5	2.6	54@R	7.0	5.2	106

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

@R RPD LIMIT IS 67% FOR INORGANIC RESULTS LESS THAN TEN TIMES THE REPORTING DETECTION LIMIT.

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D. : 402169

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
ORGANIC LEAD	44276	MG/KG	<0.3	4.3	5.3	81

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : EPA 8080 (ORGANOCHLORINE PESTICIDES & PCB'S)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 402169
Project # :
Project Name: (NONE)

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	B1 10'	SOIL	10-FEB-94	15-FEB-94	25-FEB-94	1.00

Parameter	Units	1
ALDRIN	MG/KG	<0.0050
ALPHA-BHC	MG/KG	<0.0050
BETA-BHC	MG/KG	<0.0050
GAMMA-BHC (LINDANE)	MG/KG	<0.0050
DELTA-BHC	MG/KG	<0.0050
CHLORDANE	MG/KG	<0.050
2,4'-DDD	MG/KG	<0.010
2,4'-DDE	MG/KG	<0.010
2,4'-DDT	MG/KG	<0.010
4,4'-DDD	MG/KG	<0.010
4,4'-DDE	MG/KG	<0.010
4,4'-DDT	MG/KG	<0.010
DIELDRIN	MG/KG	<0.010
ENDOSULFAN I	MG/KG	<0.0050
ENDOSULFAN II	MG/KG	<0.010
ENDOSULFAN SULFATE	MG/KG	<0.010
ENDRIN	MG/KG	<0.010
ENDRIN KETONE	MG/KG	<0.010
HEPTACHLOR	MG/KG	<0.0050
HEPTACHLOR EPOXIDE	MG/KG	<0.0050
METHOXYCHLOR	MG/KG	<0.050
TOXAPHENE	MG/KG	<0.10
AROCLOR-1016	MG/KG	<0.050
AROCLOR-1221	MG/KG	<0.050
AROCLOR-1232	MG/KG	<0.050
AROCLOR-1242	MG/KG	<0.050
AROCLOR-1248	MG/KG	<0.050
AROCLOR-1254	MG/KG	<0.050
AROCLOR-1260	MG/KG	<0.050
SURROGATES		
DBC	%	93

AnalyticalTechnologies,Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8080 (ORGANOCHLORINE PESTICIDES & PCB'S)
Blank I.D. : 28988
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # :
Project Name: (NONE)

ATI I.D. : 402169
Date Extracted: 15-FEB-94
Date Analyzed : 25-FEB-94
Dil. Factor : 1.00

Parameters	Units	Results
ALDRIN	MG/KG	<0.0050
ALPHA-BHC	MG/KG	<0.0050
BETA-BHC	MG/KG	<0.0050
GAMMA-BHC (LINDANE)	MG/KG	<0.0050
DELTA-BHC	MG/KG	<0.0050
CHLORDANE	MG/KG	<0.050
2,4'-DDD	MG/KG	<0.010
2,4'-DDE	MG/KG	<0.010
2,4'-DDT	MG/KG	<0.010
4,4'-DDD	MG/KG	<0.010
4,4'-DDE	MG/KG	<0.010
4,4'-DDT	MG/KG	<0.010
DIELDRIN	MG/KG	<0.010
ENDOSULFAN I	MG/KG	<0.0050
ENDOSULFAN II	MG/KG	<0.010
ENDOSULFAN SULFATE	MG/KG	<0.010
ENDRIN	MG/KG	<0.010
ENDRIN KETONE	MG/KG	<0.010
HEPTACHLOR	MG/KG	<0.0050
HEPTACHLOR EPOXIDE	MG/KG	<0.0050
METHOXYCHLOR	MG/KG	<0.050
TOXAPHENE	MG/KG	<0.10
AROCLOR-1016	MG/KG	<0.050
AROCLOR-1221	MG/KG	<0.050
AROCLOR-1232	MG/KG	<0.050
AROCLOR-1242	MG/KG	<0.050
AROCLOR-1248	MG/KG	<0.050
AROCLOR-1254	MG/KG	<0.050
AROCLOR-1260	MG/KG	<0.050
SURROGATES		
DBC	%	96

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

AT Lab 402169

CHAIN-OF-CUSTODY RECORD

CLIENT: EBS

ADDRESS: 8799 Balboa Suite 290 San Diego

PHONE: 5715580 FAX: 571-5357

CLIENT PROJECT #: PROJECT MANAGER: B. Pulver

DATE: 2 14 94 PAGE 1 OF 1

TEG PROJECT #: 940210.T3

LOCATION: — 2/14/94 for Kim (TEG)

COLLECTOR: Pulver DATE OF COLLECTION: 2/10/94

	Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS					FIELD NOTES	Total Number Of Containers	Laboratory Number
01	B1 10'	10'		Soil	402 Jar								X		X										1	
																								4°C		

RELINQUISHED BY: (Signature) DATE/TIME 2/14/94 1450 RECEIVED BY: (Signature) DATE/TIME

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME 2/14/94 14:

SAMPLE DISPOSAL INSTRUCTIONS

☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:
Bill to EBS
CC Report to TEG.

ACCESSION #: 402169

INITIALS: LM

SAMPLE CONDITION UPON RECEIPT CHECKLIST (FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)			
1	Does this project require special handling according to NEESA Levels C, D, AFOEHL or CLP protocols? If yes, complete a) thru c) a) Cooler temperature _____ b) pH sample aliquoted: yes / no / n/a c) LOT #'s: _____	YES	(NO)
2	Are custody seals present on cooler?	YES	(NO)
	If yes, are seals intact? (N/A)	YES	NO
3	Are custody seals present on sample containers?	YES	(NO)
	If yes, are seals intact? (N/A)	YES	NO
4	Is there a Chain-Of-Custody (COC)*?	(YES)	NO
5	Is the COC* complete? Relinquished: (yes/no) Requested analysis: (yes/no)	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: (yes/no) Sample ID's: (yes/no) Date sampled: (yes/no) Matrix: (yes/no) # containers: (yes/no)	(YES)	NO
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Cooler temperature: 4°		
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: _____

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted: _____

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : EPA 8080 (ORGANOCHLORINE PESTICIDES & PCB'S)
MSMSD # : 59690
Client : ENVIRONMENTAL BUSINESS SOLUTIONS

Project # :
Project Name: (NONE)

ATI I.D. : 402169
Date Extracted: 15-FEB-94
Date Analyzed : 25-FEB-94
Sample Matrix : SOIL
REF I.D. : REAGENT SOIL

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
ALDRIN	MG/KG	<0.0050	0.027	0.022	81	0.024	89	9
GAMMA-BHC (LINDANE)	MG/KG	<0.0050	0.027	0.024	89	0.026	96	8
4,4'-DDT	MG/KG	<0.010	0.067	0.066	99	0.066	99	0
DIELDRIN	MG/KG	<0.010	0.067	0.071	106	0.074	110	4
ENDRIN	MG/KG	<0.010	0.067	0.080	119	0.082	122	2
HEPTACHLOR	MG/KG	<0.0050	0.027	0.022	81	0.024	89	9

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

LABORATORY REPORTS
WATER

teg

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY, INC.

February 21, 1994

Mr. Barry Pulver
Environmental Business Solutions, Inc.
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

PROJECT FILE
Project No. 93E1163.1
DO NOT REMOVE

SUBJECT: **DATA REPORT - LA MESA R.V. - EBS PROJECT #93E1165.1**

RECEIVED
MAR 02 1994
Environmental Business Solutions Inc

TEG Project #940217-8

Mr. Pulver:

Please find enclosed a data report for water samples from the above referenced site for Environmental Business Solutions. All samples were analyzed in TEG's California DOHS certified mobile laboratory (CERT #1839). TEG personnel conducted the following analyses:

- 3 waters for volatile aromatic hydrocarbons (BTEX) by EPA Method 8020.
- 3 waters for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015.

The results of the analyses are summarized in the attached table. Applicable detection limits and QA/QC data are included on the table.

TEG appreciates the opportunity to provide analytical services to Environmental Business Solutions for this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Sheri Hartman

Ms. Sheri Hartman
President

TRANSGLOBAL
ENVIRONMENTAL
GEOCHEMISTRY

ENVIRONMENTAL BUSINESS SOLUTIONS
Project #93E1165.1
La Mesa R.V.

TEG Project #940217-8

TPH (DOHS Mod. EPA Method 8015) & BTEX (EPA Method 8020) ANALYSES OF WATERS

SAMPLE NUMBER	DATE ANALYZED	TPH-GAS C5-C11 (ug/l)	TPH-DIESEL C12-C24 (ug/l)	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZ (ug/l)	XYLENES (ug/l)
METHOD BLANK	02/18/93	ND	ND	ND	ND	ND	ND
MW-1	02/18/93	ND	ND	ND	ND	ND	ND
MW-2	02/18/93	ND	ND	ND	ND	ND	ND
MW-2 dup	02/18/93	ND	ND	ND	ND	ND	ND
MW-3	02/18/93	ND	ND	ND	ND	ND	ND
DETECTION LIMITS (ug/l)		500	500	0.5	0.5	0.5	0.5

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

QA/QC DATA - MATRIX SPIKE ANALYSIS - WATERS (ug/l)

Spiked Conc.	02/18/93	2000	5000	100.0	100.0	100.0	300.0
Measured Conc.		2010	6026	85.9	99.8	105.4	316.2
% Recovery		100.5%	120.5%	85.9%	99.8%	105.4%	105.4%
Spiked Conc.	02/18/93	2000	5000	100.0	100.0	100.0	300.0
Measured Conc.		2325	5964	89.3	100.8	101.5	324.3
% Recovery		116.3%	119.3%	89.3%	100.8%	101.5%	108.1%
RPD		14.5%	1.0%	3.9%	1.0%	3.8%	2.5%

ACCEPTABLE RECOVERY LIMITS: 65% TO 135%

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1839)

ANALYSES PEFORMED BY: MS. STACIE WISSLER

DATA REVIEWED BY: MS. SHERI HARTMAN Sheri Hartman 2/23/93

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

teg

ANALYTICAL PROCEDURES

SAMPLE PREPARATION

Waters

Separate water aliquots are extracted for TPH analysis (gasoline and diesel) by liquid-liquid extraction with freon 113 using a modified EPA Method 3510. For volatile aromatics and chlorinated hydrocarbons (EPA 601 & 602), water samples are purged of volatiles in a Tekmar LSC-2000 purge & trap following EPA Method 5030.

Soils

Soil samples are extracted with methanol for volatile chlorinated hydrocarbon compounds (EPA 8010) and with freon 113 for volatile aromatic hydrocarbon compounds (EPA 8020) and fuel compounds (DOHS approved EPA 8015m) by hand-shaking for 2 minutes and sonification for 10 minutes.

GAS CHROMATOGRAPHY

Volatile Chlorinated Hydrocarbons

Water samples and soil extracts are purged in a Tekmar LSC-2000 purge & trap, and backflushed into a Shimadzu 14A gas chromatograph equipped with megabore capillary columns and photoionization detector (PID) and Hall electrolytic detectors following EPA Methods 601/8010 and 602/8020.

Volatile Aromatic Hydrocarbons (BTEX) & Total Fuel Hydrocarbons (TPH)

An aliquot of the soil extract is injected on-column into a Shimadzu gas chromatograph equipped with megabore capillary columns, photoionization (PID) and flame ionization detectors (FID).

TOTAL RECOVERABLE HYDROCARBONS

Extracts are scrubbed with silica gel and measured on a BUCK 404 Infrared Analyzer following EPA 418.1 protocols.

DATA ACQUISITION & PROCESSING

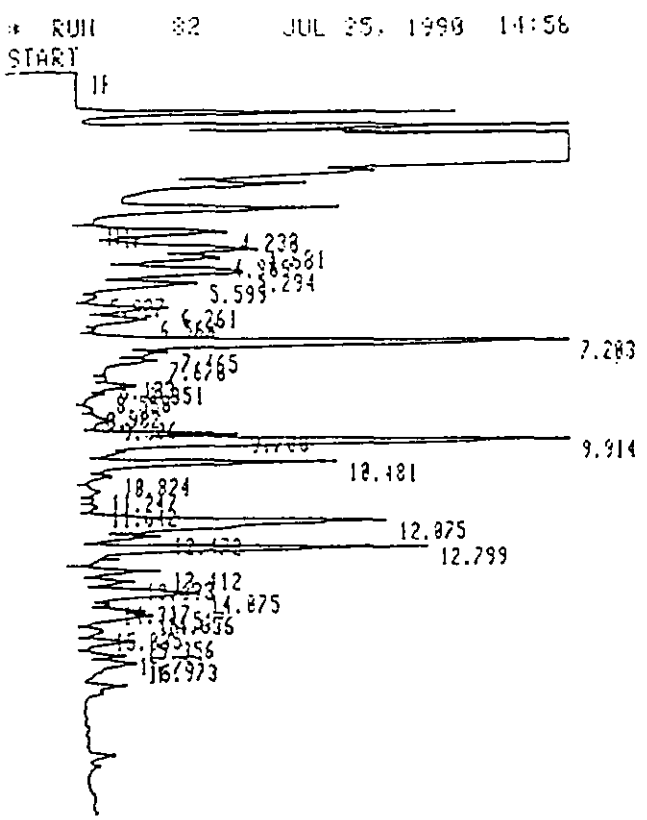
Data from the gas chromatographs are integrated and plotted by Hewlett-Packard 3393A computing integrators. Separate chromatograms are printed for each detector. The resulting chromatograms are inspected at the end of each run and the data entered into an IBM-compatible computer for on-site processing and evaluation.

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

TOTAL PETROLEUM HYDROCARBONS (EPA 8015m)

GASOLINE



STOP

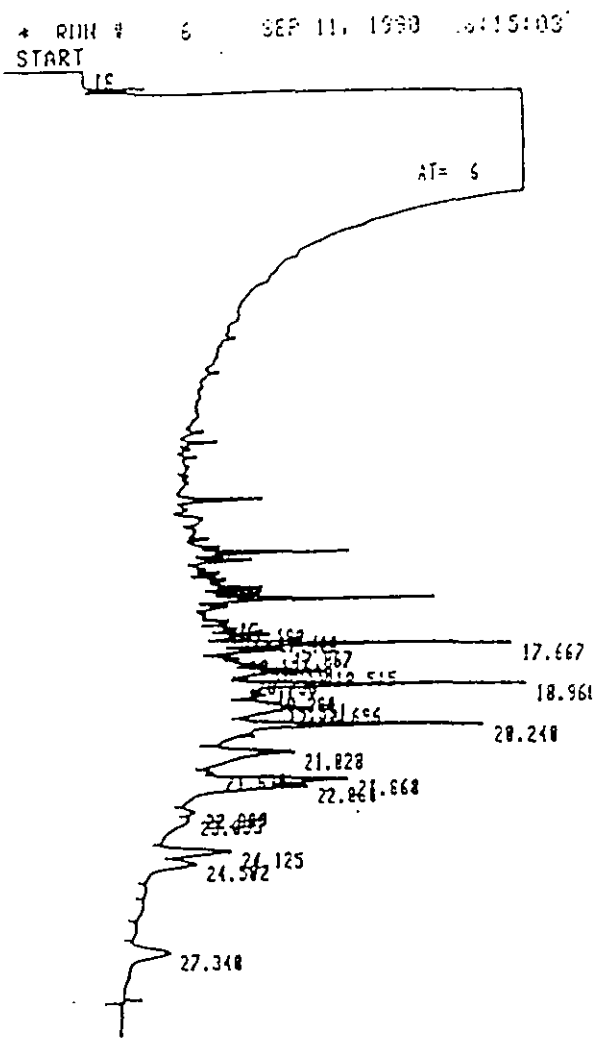
Closing signal file M:SIGNAL .BHC

RUN# 82 JUL 25, 1990 14:58:41

SIGNAL FILE: M:SIGNAL.BHC

EPA METHOD 8015

DIESEL



TIMETABLE STOP

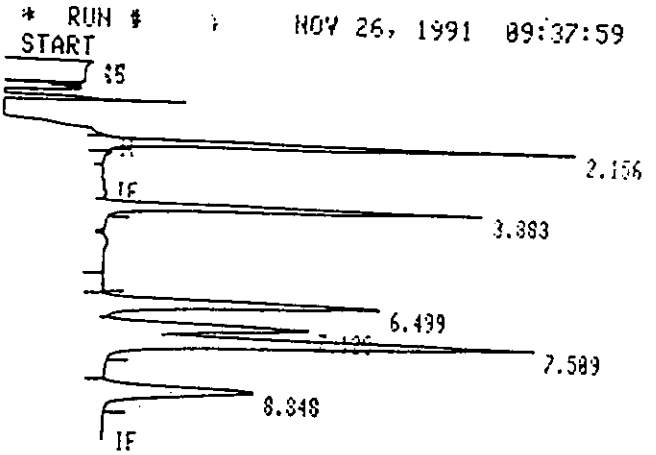
Closing signal file M:SIGNAL .BHC

RUN# 6 SEP 11, 1990

432 N. Cedros Ave., Solana Beach, CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

VOLATILE AROMATIC HYDROCARBONS (EPA 602/8020)



TIMETABLE STOP

Closing signal file M:SIGNAL .BNC

RUN# 4 NOV 26, 1991 09:37:59

SIGNAL FILE: M:SIGNAL.BNC

EPA8020M

ESTD

RT	TYPE	AREA	WIDTH	HEIGHT
2.156	BB	413165	.094	73440
3.883	PB	366094	.137	44456
6.499	BB	387750	.200	32291
7.128	BB	208464	.173	19467
7.509	BB	545349	.200	45373
8.848	BB	278847	.265	17522

RT	CAL#	PPM SOIL	NAME
2.156	1R	1.195	BENZENE
3.883	2R	1.221	TOLUENE
6.499	3R	1.201	CHLOROBENZ
7.128	4R	1.232	ETHYLBENZ
7.509	5R	2.342	M&P XYLENE
8.848	6R	1.250	O XYLENE

TOTAL AREA=2199569
MUL FACTOR=1.0000E+00

432 N. Cedros Ave., Solana Beach CA 92075 Ph: (619) 793-0401 Fax: (619) 793-0404

Transglobal Environmental Geochemistry

teg GEOCHEMISTRY, INC.

CLIENT: EBS
ADDRESS: 8799 BALBOA STE 290
PHONE: 571-5500 FAX: 571-5357
CLIENT PROJECT #: 938165.1 PROJECT MANAGER: Bong Pulver

DATE: 2-17-94 PAGE 1 OF 1
TEG PROJECT #: 94217-8
LOCATION: La Mesa R.V.
COLLECTOR: Chris Spangler DATE OF COLLECTION:

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Laboratory Lab Number
MW1			H_2O	1/0ml VOA	X					X											
MW2			↓	↓	X					X											
MW3			↓	↓	X					X											

RELINQUISHED BY: (Signature) DATE/TIME: 2-17-94 / 6:17 RECEIVED BY: (Signature) Julie Bailey DATE/TIME: 2/17/94/1644

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☑ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	12
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	yes
NOTES:	

LABORATORY NOTES:

ASAP

AMENDED REPORT

Analytical Technologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 402223

March 18, 1994

RECEIVED
MAR 21 1994
Environmental Business Solutions Inc.

ENVIRONMENTAL BUSINESS SOLUTIONS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

Project Name: LA MESA RV
Project # : 93E1163.1

Attention: BARRY PULVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
February 17, 1994	3	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

Please note the corrected project number, as requested.

ROBERT L MANRIQUEZ
PROJECT MANAGER

for M. E. SHIGLEY
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

Report Date: March 18, 1994
ATI I.D. : 402223

ATI #	Client Description	Matrix	Date Collected
1	MW2	WATER	17-FEB-94
2	MW1	WATER	17-FEB-94
3	MW3	WATER	17-FEB-94

---TOTALS---

Matrix	# Samples
WATER	3

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D.: 402223
Project Name: LA MESA RV

Analysis	Technique/Description
EPA 7421 (LEAD)	ATOMIC ABSORPTION/GRAPHITE FURNACE

Analytical Technologies, Inc.

METALS RESULTS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D.: 402223
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Received
1	MW2	WATER	17-FEB-94	17-FEB-94

Parameter	Units	1
LEAD	MG/L	0.002

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

DUP/MS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 402223
Project Name: LA MESA RV

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
LEAD	402223-01	MG/L	0.002	<0.002	0	2.04	2.00	102

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 402223
Project Name: LA MESA RV

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
LEAD	44382	MG/L	<0.002	2.05	2.00	103

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

ACCESSION #: 402223

INITIALS: DH 2/17/94

SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NEESA Levels C, D, AFOEHL or CLP protocols? If yes, complete a) thru c) a) Cooler temperature _____ b) pH sample aliquoted: yes / no / n/a c) LOT #'s: _____	YES	NO
2	Are custody seals present on cooler?	YES	NO
	If yes, are seals intact? (NA)	YES	NO
3	Are custody seals present on sample containers?	YES	NO
	If yes, are seals intact? (NA)	YES	NO
4	Is there a Chain-Of-Custody (COC)*?	YES	NO
5	Is the COC* complete? Relinquished: yes/no Requested analysis: yes/no	YES	NO
6	Is the COC* in agreement with the samples received? # Samples: yes/no Sample ID's: yes/no Date sampled: yes/no Matrix: yes/no # containers: yes/no	YES	NO
7	Are the samples preserved correctly?	YES	NO
8	Is there enough sample for all the requested analyses?	YES	NO
9	Are all samples within holding times for the requested analyses?	YES	NO
10	Cooler temperature: 6°C.		
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	YES	NO
12	Are samples requiring no headspace, headspace free? N/A	YES	NO 2/17/94
13	Are VOA 1st stickers required? DH 2/17/94	YES	NO
14	Are there special comments on the Chain of Custody which require client contact?	YES	N/A DH 2/17/94
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: _____

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted: _____

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

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

Chain of Custody

DATE_____ PAGE____ OF____

PROJECT MANAGER: Barry Pulver
COMPANY: EBS
ADDRESS: 8799 BALBOA AVE STE. 290
S.D. 92123

BILL TO: Same
COMPANY:
ADDRESS:

Chris Spengler (619) 571-5500
SAMPLERS (Signature) PHONE NUMBER

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID
MW 1	2-17-94			02
MW 2	1			01
MW 3				03

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

Petroleum Hydrocarbons 418.1	Oil and Grease 413.2	Gasoline (MOD 8015/DOHS)	Diesel (MOD 8015/DOHS)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil)	MOD 8015 (Unknown)	BTXE (8020)	Chlorinated Hydrocarbons (8010)	Aromatic Hydrocarbons (8020)	Chlorinated/Aromatic Hydrocarbons (8010/8020)	Organic Pb	Pesticides/PCB (8080)	Base/NEU/Acid Cmpds GC/MS (8270)	Volatile Cmpds GC/MS (8240)	Polynuclear Aromatic (8310)	CCR Metals	Priority Pollutant Metals									Number of Containers
1L (H2SO4)/100g	1L (H2SO4)/100g	4 oz (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	500ml/50g	1L/50g	1L/100g	2X40ml (HCl)/100g	1L/100g	500ml/100g	500ml/100g									
																Total Lead									
																X	ONLY ONE								
																X	WILL BE								
																X	TESTED								

Verbal from Barry Pulver EBS 2/22/94 KC

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER: 93E1165.1		TOTAL NUMBER OF CONTAINERS	3
PROJECT NAME: LA MESA RV		CHAIN OF CUSTODY SEALS Y/N/NA	N
PURCHASE ORDER NUMBER: ———		SEALS INTACT? Y/N/NA	NA
VIA:		RECEIVED GOOD COND/COLD	Y/Cool
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☒2WK		LAB NUMBER	407223

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments: Only one to be tested for total lead depending on TPH results from TEG. We will call.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 5:07	Signature: Time:	Signature: Time:
Printed Name: Chris Spengler Date: 2-17-94	Printed Name: Date:	Printed Name: Date:
Company: EBS	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 5:07
Printed Name: Date:	Printed Name: Date:	Printed Name: Lucia Mendez 2/17/94
Company:	Company:	Analytical Technologies, Inc.

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

AnalyticalTechnologies, Inc.

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

Chain of Custody

DATE_____ PAGE____ OF____

PROJECT MANAGER: Barry Pulver
COMPANY: EBS
ADDRESS: 8799 Balboa Ave Ste. 290
S.D. 92123

BILL TO: Same
COMPANY:
ADDRESS:

SAMPLERS: (Signature) (619) 571-5500 PHONE NUMBER

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

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID
MW 1	2-17-94			02
MW 2	1			01
MW 3				03

Petroleum Hydrocarbons 418.1	Oil and Grease 413.2	Gasoline (MOD 8015/DOHS)	Diesel (MOD 8015/DOHS)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil)	MOD 8015 (Unknown)	BTXE (8020)	Chlorinated Hydrocarbons (8010)	Aromatic Hydrocarbons (8020)	Chlorinated/Aromatic Hydrocarbons (8010/8020)	Organic Pb	Pesticides/PCB (8080)	Base/NEU/Acid Cmpds GC/MS (8270)	Volatile Cmpds GC/MS (8240)	Polynuclear Aromatic (8310)	CCR Metals	Priority Pollutant Metals	Total Lead	Number of Containers
1L (H_2SO_4)/100g	1L (H_2SO_4)/100g	4 oz (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	500ml/50g	1L/50g	1L/100g	2X40ml (HCl)/100g	1L/100g	500ml/100g	500ml/100g		
																X	ONLY ONE	
																X	WILL BE	
																X	TESTED	
												Verbal from Barry Pulver EBS 2/22/94 KR						

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER:	93E1165.1	TOTAL NUMBER OF CONTAINERS	3
PROJECT NAME:	LA MESA RV	CHAIN OF CUSTODY SEALS Y/N/NA	N
PURCHASE ORDER NUMBER:	—	SEALS INTACT? Y/N/NA	NA
VIA:		RECEIVED GOOD COND/COLD	1/60
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☒2WK		LAB NUMBER	407223

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments: Only one to be tested for total lead depending on TPH results from TEG. We will call.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 5:07	Signature: Time:	Signature: Time:
Printed Name: Date: Chris Spengler 2-17-94	Printed Name: Date:	Printed Name: Date:
Company: EBS	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 2/17/94 5:07
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: Lance Mendoza 2/17/94
Company:	Company:	Analytical Technologies, Inc.

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

LABORATORY TEST REPORT

PROJECT FILE
PROJECT NO.
DO NOT REMOVE

Analytical Technologies, Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 403290

March 29, 1994

RECEIVED
MAR 30 1994
Environmental Business Solutions, Inc.

ENVIRONMENTAL BUSINESS SOLUTIONS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

Project Name: LMRV
Project # : 93E1163.1

Attention: B. PULVER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
March 18, 1994	1	SOIL

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

ROBERT L MANRIQUEZ
PROJECT MANAGER

M. E. SHIGLEY
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LMRV

Report Date: March 29, 1994
ATI I.D. : 403290

ATI #	Client Description	Matrix	Date Collected
1	DRUM B-4	SOIL	18-MAR-94
2	DRUM B-4/TCLP 01	TCLP EXTRACT	18-MAR-94

---TOTALS---

Matrix	# Samples
SOIL	1
TCLP EXTRACT	1

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : *ENVIRONMENTAL BUSINESS SOLUTIONS*
Project # : 93E1163.1 ATI I.D.: 403290
Project Name: LMRV

Analysis	Technique/Description
EPA 6010 (CADMIUM)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (CHROMIUM)	INDUCTIVELY COUPLED ARGON PLASMA
EPA 6010 (LEAD)	INDUCTIVELY COUPLED ARGON PLASMA

Analytical Technologies, Inc.

METALS RESULTS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D.: 403290
Project Name: LMRV

Sample #	Client ID	Matrix	Date Sampled	Date Received
2	DRUM B-4/TCLP 01	TCLP EXTRACT	18-MAR-94	18-MAR-94

Parameter	Units	2
CADMIUM	MG/L	<0.005
CHROMIUM	MG/L	<0.01
LEAD	MG/L	<0.03

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

DUP/MS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 403290
Project Name: LMRV

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
CADMIUM	403290-02	MG/L	<0.005	<0.005	0	1.98	2.00	99
CHROMIUM	403290-02	MG/L	<0.01	<0.01	0	1.93	2.00	97
LEAD	403290-02	MG/L	<0.03	<0.03	0	1.99	2.00	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

BLANK SPIKE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 403290
Project Name: LMRV

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
CADMIUM	45207	MG/L	<0.005	1.95	2.00	98
CHROMIUM	45207	MG/L	<0.01	1.91	2.00	96
LEAD	45207	MG/L	<0.03	1.97	2.00	99

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

ACCESSION #: 403290

INITIALS: LJ

SAMPLE CONDITION UPON RECEIPT CHECKLIST (FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)			
1	Does this project require special handling according to NEESA Levels C, D, AFOEHL or CLP protocols? If yes, complete a) thru c) a) Cooler temperature _____ b) pH sample aliquoted: yes / no / n/a c) LOT #'s: _____	YES	(NO)
2	Are custody seals present on cooler?	YES	(NO)
	If yes, are seals intact? N/A	YES	NO
3	Are custody seals present on sample containers?	(YES)	NO
	If yes, are seals intact?	(YES)	NO
4	Is there a Chain-Of-Custody (COC)*?	(YES)	NO
5	Is the COC* complete? Relinquished: (yes)/no Requested analysis: (yes)/no	(YES)	NO
6	Is the COC* in agreement with the samples received? # Samples: (yes)/no Sample ID's: (yes)/no Date sampled: (yes)/no Matrix: (yes)/no # containers: (yes)/no	(YES)	NO
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Cooler temperature: 7.6°C		
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? (N/A)	YES	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: Sample Jar Sealed with black electrical Tape.

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted: _____

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

AnalyticalTechnologies, Inc.

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

Chain of Custody

DATE 3/18/94 PAGE 1 OF 1

PROJECT MANAGER: B. Pulver
COMPANY: EBS
ADDRESS: 8799 Balboa, Suite 290
San Diego CA 92123

BILL TO: Above
COMPANY:
ADDRESS:

SAMPLERS: (Signature) (619) 571-5200 PHONE NUMBER

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID
Drum B-4	3/18/94		Soil	01

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

Petroleum Hydrocarbons 418.1	Oil and Grease 413.2	Gasoline (MOD 8015/DOHS)	Diesel (MOD 8015/DOHS)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm(water), 50ppm(Soil)	MOD 8015 (Unknown)	BTXE (8020)	Chlorinated Hydrocarbons (8010)	Aromatic Hydrocarbons (8020)	Chlorinated/Aromatic Hydrocarbons (8010/8020)	Organic Pb	Pesticides/PCB (8080)	Base/NEU/Acid Cmpds GC/MS (8270)	Volatile Cmpds GC/MS (8240)	Polynuclear Aromatic (8310)	CCR Metals	Priority Pollutant Metals	X TCLP - Chrom, Lead, Selenium								Number of Containers
1L (H2SO4)/100g	1L (H2SO4)/100g	4 oz (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	4 oz (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	2X40ml (HCl)/50g	500ml/50g	1L/50g	1L/100g	2X40ml (HCl)/100g	1L/100g	500ml/100g	500ml/100g									
																	X								1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NUMBER: 93E1163.1	TOTAL NUMBER OF CONTAINERS	1
PROJECT NAME: LMRV	CHAIN OF CUSTODY SEALS Y/N/NA	Y
PURCHASE ORDER NUMBER:	SEALS INTACT? Y/N/NA	Y
VIA:	RECEIVED GOOD COND/COLD	Y/Y
TAT: ☐24HR ☐48HRS ☐72HRS ☒1WK ☐2WK	LAB NUMBER 403290	

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 3:30	Signature: Time: 7:30	Signature: Time:
Printed Name: Date: Barry Pulver 3/18/94	Printed Name: Date: Chris Sylvester 3/18/94	Printed Name: Date:
Company: EBS	Company: EBS	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time: 7:35	Signature: Time:	Signature: Time:
Printed Name: Date: Chris Sylvester 3/18/94	Printed Name: Date:	Printed Name: Date: Lisa Jenkins 3-18-94
Company: EBS	Company:	Analytical Technologies, Inc.

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

GROUNDWATER BATCH DISCHARGE AUTHORIZATION REQUEST

Return to: Industrial Waste Program
2799 Caminito Chollas, M.S. 48
San Diego, Ca 92105
Phone (619) 527-7600
Fax (619) 527 7675

CITY OF SAN DIEGO
METROPOLITAN WASTEWATER DEPARTMENT
Industrial Waste Pretreatment Program

Groundwater Batch Discharge Authorization Request

Mailing Information

Attention: Steven Tousdale

Company: Environmental Business Solutions

Street: 8799 Balboa Av. Suite 290

City: San Diego State: CA Zip: 92123

APPROVED
INDUSTRY
DATE 4/11/94

Facility Information

Facility Contact: Steven Tousdale Title: Asst. Staff Geologist

Phone: 571-5500 Fax: 571-5357

Facility Name: La Mesa R.V. Center

Facility Address: 7601 Alvarado Road, La Mesa CA 92041

Billing Address (if different):

Wastewater Information

Describe process generating wastewater: Purged groundwater from three groundwater monitoring wells

List known and suspected contaminants: Non-detect for Benzene, Toluene, Ethylbenzene, Xylenes and Total Petroleum Hydrocarbons

Describe any wastewater pretreatment methods used: N/A

Volume of wastewater to be discharged: Approx. 400 Gallon Flow 25 gal/min

Description of discharge point, include address and map as needed: Sewer hook-up used for Recreational Vehicle Sewage Holding Tank clean out

Proposed Date(s) of Discharge: 4-11-94 Time: 9:00 am

Lab Analysis

Attach a copy of lab analysis. For hydrocarbon only contaminated sites, analysis must include: Oil & Grease for TPH, Total Lead, Benzene, and Flash Point. For sites with contamination other than hydrocarbons, please contact the Industrial Waste Program for guidance prior to having the analysis performed. *Samples used for analysis must be representative of the wastewater to be discharged.*

Approval does not relieve the discharger of obligations regarding compliance with any and all applicable local, State, and Federal pretreatment standards or hazardous waste disposal requirements including any such standards or requirements that may become effective after the issuance of approval.

Signature [signature] Date 4-11-94

* ACTI . REPORT *

3 EBS. INC.

MODE	CONNECTION TEL	CONNECTION ID	USAGE T	PAGES
RX G3	619 527 7675	MWWD Ind Waste	00'57	01(00)

NON-HAZARDOUS WASTE DATA FORM

№ 5311

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME La Mesa RV Center

ADDRESS 7601 Alvarado Road

CITY, STATE, ZIP La Mesa, Ca 91941

EPA I.D. NO E.B.S.

PHONE (619) 462-5660

CONTAINERS: No. 15 VOLUME 4.05 yards WEIGHT 13,000

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☒ DRUMS ☐ CARTONS ☐ OTHER

WASTE DESCRIPTION Soil

GENERATING PROCESS Drilling

COMPONENTS OF WASTE	PPM	#	COMPONENTS OF WASTE	PPM	#
1. soil		100%	5.		
2.			6.		
3.			7.		
4.			8.		

PROPERTIES: pH ☒ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TRANSPORTER

NAME ALTERNATIVE DISPOSAL, INC.

EPA I.D. NO CAD982525024

ADDRESS 2674 Via Alicia

SERVICE ORDER NO.

CITY, STATE, ZIP Fallbrook, CA 92028

PICK UP DATE 04-21-94

PHONE NO. 619-723-5871

TRUCK UNIT I.D. NO. 440301

Kent Phillips 04-21-94

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME Pan-Rob, Inc.

EPA I.D. NO AZ[illegible]

ADDRESS P.O. Drawer G

DISPOSAL METHOD ☐ LANDFILL ☐ OTHER

CITY, STATE, ZIP Joseph City, Az 86032

PHONE NO. (602) 288-3605

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/CD		HWDF NONE

DISCREPANCY

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO

RE[illegible]ED
MAY 3 2 57 PM '94
HEA[illegible]DES

April 30, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of March 30, 1994.

On April 21, 1994 Environmental Business Solutions accomplished removal and disposal of the soil cuttings and purge water, which has been temporarily stored on site, after obtaining all necessary permits. We expect that a report of those activities will be prepared by E.B.S. and we will provide a copy to SA/M with our next report.

Additionally, at your request, we will continue to provide periodic status update reports on a thirty-day reporting schedule pursuant to Title 23, C.C.R. § 2652. Accordingly, our next report will be due May 30, 1994.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

LUCE, FORWARD, HAMILTON & SCRIPPS
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
SAN DIEGO

March 30, 1994

4-5: ✓ FILE, START REVIEW (Z32, 2.0)

HAND DELIVERED

(Z32, 1.8) 1-17-95. RE-REVIEWED FILE, START RPT. REVIEW, DISCUSSED W/ MP.
- GW. @ 45-9 ft. BG.
- GRADIENT .08 TO WEST.
- STADIUM CONGLOMERATE - SILTY GRAVEL, CLAYEY SAND.
- TALK TO MP. ABOUT HIS CHEVRON SITE NEXT-DOOR. H12687-001 (7651 ALVARADO)

1-18-95 CONTINUE REVIEW
- NEED SOIL ( ) CONTOUR MAP
- " EST. OF R, MAX. ( ), VOL. STILL IN-PLACE.
- SOME AREAS OF ADDNL. DELIN.
- MORE GW-SAMPLING - INCLUDE TRPH.
- EXCAVATED/BACKFILLED—?
- DISCUSS W/ MP. → LOOK FOR PATHS IN GW. TOO.

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report (Z32, 3.5)

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of February 28, 1994. (Z90, 2.0)
- FINISH REVIEW
- START LTR.

Enclosed please find a full report of site assessment activities prepared by Environmental Business Solutions, as you required. This report contains all information necessary to constitute our 30-day status report.

Additionally, at your request, we will continue to provide periodic status update reports on a thirty-day reporting schedule pursuant to Title 23, C.C.R. § 2652. Accordingly, our next report will be due April 30, 1994.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

Enclosure

cc: Vincente R. Rodriguez, RWQCB w/encl.
James Buckner, La Mesa RV w/encl.
Daniel Johnson, EBS, Inc. w/o encl.

LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER: (619) 699-2418

RECEIVED
MAR 1 12 49 PM '94
ENVIRONMENTAL
HEALTH SERVICES

February 28, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of January 28, 1994.

The drilling and installation of wells, pursuant to the approved workplan for additional site assessment activities prepared by Environmental Business Solutions with your suggested changes, was completed as scheduled on February 10 and 11, 1994. Additionally, samples of groundwater were taken and tested on February 18, 1994. Preliminary test results indicate that groundwater is not impacted.

We will submit a full report of site assessment activities, as required, on or before March 30th.

Additionally, at your request, we will continue to provide periodic status update reports on a thirty-day reporting schedule pursuant to Title 23, C.C.R. § 2652. Accordingly, our next report will accompany the site assessment report.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

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LUCE, FORWARD, HAMILTON & SCRIPPS

ATTORNEYS AT LAW
FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER: (619) 699-2418

RECEIVED
FEB 2 10 40 AM '94
ENVIRONMENTAL
HEALTH SERVICES

January 28, 1994

Mr. Lars Skinner
Hazardous Materials Specialist
County of San Diego
Department of Health Services
Environmental Health Services
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center
7601 Alvarado Road, La Mesa, CA 92041

Subject: Thirty-Day Update Report

Dear Mr. Skinner:

I am writing to provide a thirty-day update report pursuant to Title 23 C.C.R. § 2652 and as required by your official notices. This update will cover activities occurring since my last update of December 29, 1993.

The drilling and installation of wells, pursuant to the approved workplan for additional site assessment activities prepared by Environmental Business Solutions with your suggested changes, is scheduled to take place February 10 and 11, 1994.

Your December 9, 1993 letter required a report to be submitted not later than January 30, 1994 to SA/M and the Regional Water Quality Control Board. On January 6, 1994 you telephonically approved our request that this date be extended an additional sixty days to March 30, 1994. We will submit a full report of site assessment activities on or before March 30th.

Additionally, at your request, we will continue to provide periodic status update reports on a thirty-day reporting schedule pursuant to Title 23, C.C.R. § 2652. Accordingly, our next report is due Feb. 28, 1994.

All additional required applicable information remains unchanged.

If you have any questions, please do not hesitate to call me at (619) 699-2418.

Very truly yours,

Stephen L. Marsh

cc: Vincente R. Rodriguez, RWQCB
James Buckner, La Mesa RV
Daniel Johnson, EBS, Inc.

C:\DMS\SLM.DIR\0122523.WP

7601 Alvarado Road / Post Office Box 1670 / La Mesa, CA 91944-1670 / (619) 462-5660

LA MESA RV CENTERS
World's Largest RV Dealer.

May 25, 1995

Ms. Carol Spangenberg
Site Assessment & Mitigation Division
County of San Diego
Department of Environmental Health
P.O. Box 85261
San Diego, CA 92186-5261

Re: 7601 Alvarado Road, La Mesa, CA
Permit HO 2651-001

Dear Ms. Spangenberg:

Please release information regarding our address to Mr. Michael Habib, Tomaski Investment Properties, 9332 Fuerte Drive, La Mesa, CA 91941.

We understand that any meetings you have with him will be billed to us, as well as time used preparing for any meetings and photocopy charges, if any.

If there are any questions, please contact me at 462-5660, Fax #462-5328.

Sincerely,

Jim Buckner
Director of Fixed Operations

JB:ac

cc: Michael Habib

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

May 23, 1995
Project Number: 93E1163.1

Ms. Carol Spangenberg
Site Assessment and Mitigation Division
County of San Diego
Department of Environmental Health
P.O. Box 85261
San Diego, California 92186-5261

RE: Well Purging/Sampling Logs for the La Mesa RV Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Ms. Spangenberg:

As you requested, please find enclosed copies of the Well Purging/Sampling Logs for the above-referenced Site. The Logs are for wells MW-1, MW-2, and MW-3, which were sampled on March 28, 1995.

Should you have any questions regarding these documents, please call us at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Stephen W. Blanchard
Staff Hydrogeologist

Enclosures

SB2/1163trns.deh

8799 Balboa Avenue • Suite 290 • San Diego, California 92123 • Tel. (619) 571-5500 • Fax (619) 571-5357

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 73E1163.1	Well No.: MW-1
Site Address: 7601 Alvarado Road, La Mesa	Date: 3/28/95	By: CEH

PURGING DATA

DTW: 7.65	Casing Dia.: 4"	Time purging started: 1400	Vol. purged: 7 gal
DTB: 15.05	Borehole Dia.: 8"	Time purging ended: 1407	Measured by:
SZ: 7.4	Depth to screen:	Purging method: bailer	DTW_p: —

Borehole volume: BV = SZ x f = 7.4 x 1.1 = 8.1 gallons x 3 = _____ gallons

$DTW_\beta = DTW_p - [(DTW_p - DTW) \times 0.8] = 14.2 - [(14.2 - 7.65) \times 0.8] = 8.95$

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
1407		14.2		well dry. 4630 (cond.) / 75 (temp) / 7.60 (pH)
1607		13.01	NO	sampled

SAMPLING DATA

Sample No. MW-1	Date: 3/28/95	Time: 1607
Lab: ATI	COC #:	How delivered: vehicle
Vials: 7	Preservation: various	Tests: TRPH, TPH, BTEX, PAH

Notes:
DTW = Depth to water DTW_p = DTW after purging DTW_{80} = DTW at 80% recharge
DTW = Depth to bottom SZ = Saturated volume
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: ~~1.5~~ 1.1

WELL NO. MW-1

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93E1163.1	Well No.: MW-2
Site Address: 7601 Alvarado Road, La Mesa	Date: 3/28/95	By: CEH

PURGING DATA

DTW: 8.28	Casing Dia.: 4"	Time purging started: 1410	Vol. purged: 7 gal
DTB: 15.03	Borehole Dia.: 8"	Time purging ended: 1415	Measured by:
SZ: 6.75	Depth to screen:	Purging method: bailer	DTW_p: —

Borehole volume: BV = SZ x f = 6.75 x 1.1 = 7.4 gallons x 3 = _____ gallons

$DTW_{.8} = DTW_p - [(DTW_p - DTW) \times 0.8] = [14.25 - [(14.25 - 8.28) \times 0.8] = 9.47$

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
1415		14.25		well dry. 4940 cond. / 68.9 Temp. / 6.87 pH
1615		12.52	no	sampled

SAMPLING DATA

Sample No. MW-2	Date: 3/28/95	Time: 1615
Lab: ATL	COC #:	How delivered: vehicle
Vials: 7	Preservation: various	Tests: TRPH, TPH, BTEX, PAH

Notes:
DTW = Depth to water DTW_p = DTW after purging DTW_{80} = DTW at 80% recharge
DTW = Depth to bottom SZ = Saturated volume
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: ~~1.5~~ 1.1

WELL NO. MW-2

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Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93E1163.1	Well No.: MW-3
Site Address: 7601 Alvarado Road, La Mesa	Date: 3/28/95	By: CEH

PURGING DATA

DTW: 4.56	Casing Dia.: 4"	Time purging started: 1420	Vol. purged: 10 gal.
DTB: 14.71	Borehole Dia.: 8"	Time purging ended: 1425	Measured by:
SZ: 10.15	Depth to screen:	Purging method: bailer	DTW_p: —

Borehole volume: BV = SZ x f = 10.15 x 1.1 = 11.2 gallons x 3 = _____ gallons

$DTW_{.8} = DTW_p - [(DTW_p - DTW) \times 0.8] = 13.9 - [(13.9 - 4.56) \times 0.8] = 6.43$

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
1425		13.9		welldry. 3740 cond. / 69.7 Temp. / 6.86 pH
1625		11.93	No	sampled

SAMPLING DATA

Sample No. MW-3	Date: 3/28/95	Time: 1625
Lab: ATI	COC #:	How delivered: vehicle
Vials: 7	Preservation: various	Tests: TRPH, TPH, BTEX, PAH

Notes:
DTW = Depth to water DTW_p = DTW after purging $DTW_{.80}$ = DTW at 80% recharge
DTW = Depth to bottom SZ = Saturated volume
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: ~~1.5~~ 1.1

WELL NO. MW-3

RECEIVED
MAY 25 2 39 PM '95
ENVIRONMENTAL
HEALTH SERVICES

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

RECEIVED
MAY 16 1 59 PM '95
ENVIRONMENTAL HEALTH SERVICES

May 11, 1995
Project Number: 93E1163.1

Mr. Toby Shipley
Industrial Waste Program
9192 Topaz Way
San Diego, California 92123-1119

RE: Disposal of Groundwater Monitoring Well Purge Water at the Property Located at 215 East Main Street, El Cajon, California (Site)

Dear Mr. Shipley:

On May 9, 1995, EBS disposed of approximately 24 gallons of groundwater monitoring well purge water at the Site. This purge water was discharged to the sewer in accordance with the approved Groundwater Batch Discharge Authorization (enclosed).

If you have any questions regarding this matter, please contact us at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG
Principal

Charles E. Houser, RG
Senior Staff Geologist

CEH4/93E11631.ltr

cc: James Buckner, La Mesa RV
Carol Spangenberg, SAM
Enclosures

8799 Balboa Avenue • Suite 290 • San Diego, California 92123 • Tel. (619) 571-5500 • Fax (619) 571-5357

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

RECEIVED
MAY 1 5 09 PM '95

TRANSMITTAL LETTER

TO: Ms. Carol Spangenberg
Site Assessment and Mitigation Division
County of San Diego
Department of Environmental Health
P.O. Box 85261
San Diego, California 92186-5261

Date: May 1, 1995
Project Number: 93E1163

SITE: La Mesa RV, Inc., 7601 Alvarado Road, La Mesa , California

ENCLOSED PLEASE FIND:

Quarterly Groundwater Monitoring Report for the First Quarter 1995 and Workplan Describing Additional Site Assessment Activities

Should you have any questions regarding this transmittal, please call the undersigned at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Stephen W. Blanchard

Enclosure

8799 Balboa Avenue • Suite 290 • San Diego, California 92123 • Tel. (619) 571-5500 • Fax (619) 571-5357

Environmental Business Solutions, Inc.
"Providing Economic Environmental Solutions to the Business Community"

H 02651-001

May 1, 1995
Project Number: 93E1163.1

Copy No. ____

Mr. James Buckner
La Mesa RV, Inc.
c/o Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 W. Broadway, Suite 2600
San Diego, California 92101

RE: Quarterly Groundwater Monitoring Report for the First Quarter 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa RV Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Mr. Buckner:

Environmental Business Solutions, Inc. (EBS) is pleased to present this Quarterly Groundwater Monitoring Report for the first quarter 1995 pursuant to the requirements of the SAM for the above-referenced Site (Figure 1). The work described in this report was conducted in general accordance with the Scope of Services Change Number 4 to Exhibit "1" to the Consulting Agreement (Contract) between EBS and La Mesa RV, Inc. (Client). The Contract was fully executed on February 3, 1994.

EBS has prepared this written workplan which is intended to satisfy the requirements of the SAM prior to performing an additional soil investigation at the Site. This workplan describes the Site background, the procedures to be followed during the field investigation, the type of laboratory analyses to be performed on soil samples, and the type of report to be prepared.

BACKGROUND

The following background information is from previously reported data and reports prepared by others and by EBS. Four underground storage tanks (USTs) of various capacities were recently removed from the Site. The USTs stored new oil, used oil, and gasoline. The USTs were located immediately to the west and south of a service bay building at the Site (Figure 2). The four USTs consisted of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

The USTs were removed in February 1988 by Alm Services (Alm). The "Abandoned Underground Tank Report" prepared for the Site by the county inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs' removal, although groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Correspondence from Alm to the County of San Diego in March 1988 indicates that six soil samples from the UST excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May 1988, Alm was reported to have collected an additional three samples from the new and used oil UST excavation. Detectable concentrations of TRPH were found in each of the three samples.

In March 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted a multi-day exploratory excavation program at the Site. Approximately 400 cubic yards of soil was excavated from the former vicinity of the USTs. Numerous confirmation samples were collected during the excavation program (Figures 2 and 5). Confirmation samples indicated that soil with concentrations of both TPH and TRPH remains in the vicinity of the excavation.

In February 1994, subsequent to the approval of a workplan, EBS conducted a soil and groundwater investigation at the Site. During this investigation, 11 soil borings were drilled, 3 of which were converted to groundwater monitoring wells MW1, MW2, and MW3 (Figure 2). Portions of the borings were drilled using air percussion drilling methods. To reduce the potential for aeration effects from the circulation of air down the boring during drilling, samples were collected with a split-spoon sampler driven 12 to 18 inches ahead of the bit, and only the lowermost sample tube was submitted to the laboratory for analysis to improve the likelihood that the sample was representative of the subsurface conditions.

Based on the soil sample results, the horizontal extent of gasoline-bearing and diesel-bearing soil was interpreted to be generally limited to the immediate vicinity of the former UST excavation, and to a maximum depth of approximately 15 feet below grade. The horizontal extent of TRPH-bearing soil was concluded to generally have been assessed, and was interpreted to extend a maximum of approximately 30 feet downgradient from the former oil USTs. Groundwater was detected in the wells at depths ranging from approximately 5 to 8 feet below grade, and was interpreted to be perched water. Groundwater sample results were reported to be below laboratory detection limits for TPH as gasoline (TPH_g) and as diesel (TPH_d), and for benzene, toluene, ethylbenzene, and total xylenes (BTEX).

GROUNDWATER MONITORING CONDUCTED BY ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

On March 28, 1995, EBS personnel monitored the wells at the Site. Depth-to-water measurements were taken, and the potential presence of free floating product was monitored with an electronic interface probe with a manufacturer's reported accuracy of 1/100 of a foot. Free floating petroleum product was not detected in any of the three wells nor observed in a clear bailer lowered in the wells. The locations and elevations of the wells were previously surveyed by Hopwood Surveying, a licensed surveyor.

As shown on the attached Table 1, shallow groundwater was encountered at depths ranging from approximately 4.5 to 8 feet below grade. Based on the depth-to-groundwater measurements and the information from the licensed surveyor, a groundwater flow direction for the Site was estimated by solving a three-point problem. The shallow groundwater is interpreted to generally flow towards the west (Figure 3) with a gradient of approximately 0.07. The estimated groundwater flow direction and gradient are consistent with the previous groundwater flow direction estimated by EBS.

After being monitored, each well was prepared for sampling by the removal of approximately 1 borehole volume of water with a bailer. All three wells were interpreted to be slow-recharging wells. Sampling equipment was cleaned between wells with a soapy water wash and a tap water rinse. Purged water from the wells was placed in drums, labeled, and left on-site. Approximately 24 gallons of purged groundwater

was generated. EBS is in the process of obtaining permission to dispose of the purged water to the sanitary sewer. Samples were collected approximately 2 hours after purging was completed. The water samples were collected with a single-use disposable bailer. Groundwater samples were decanted into volatile organics analysis (VOA) vials, capped with Teflon-lined caps, sealed, labeled, and placed on ice. The samples were delivered to Analytical Technologies, Inc. (ATI), a state-certified hazardous waste laboratory, under chain-of-custody protocol.

The samples were tested for the following:

- TRPH in general accordance with EPA Method 418.1;
- TPH_g and TPH_d in general accordance with modified EPA Method 8015 (California Department of Health Services Method);
- BTEX and methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020; and
- Polynuclear aromatic hydrocarbons (PAHs) in general accordance with EPA Method 8310.

The laboratory results from ATI indicated that TPH_g, TPH_d, BTEX, and PAHs were not detected. TRPH was detected in all three groundwater samples. TRPH concentrations were reported to range from 410 to 1,000 micrograms/liter (µg/l). Table 2 presents the latest and historical groundwater sampling results, and Figure 4 illustrates the latest groundwater sampling results. The laboratory report is included in the attached Appendix.

WORKPLAN

It is our understanding, based on review of a letter issued by the SAM on February 7, 1995, that the SAM has requested additional assessment of the vertical and horizontal extent of petroleum hydrocarbon-bearing soil.

The program described in this proposed workplan has been designed in general accordance with the requirements of the SAM, the data gathered and interpreted in preparing this workplan, as well as our professional judgment and experience in this type of investigation.

Objective

The objective of this proposed scope of services is to:

- Further assess the extent of petroleum hydrocarbon-bearing soil in the vicinity of the former gasoline and new and used oil USTs at the Site.

Scope of Services

The scope of services that will be used to meet the objective includes the following Phases:

Phase I **Preparation of a Workplan and Site Health and Safety Plan, Preparation of Soil Boring Permits, Subcontractor Management and Scheduling, and Utility Search and Mark Out**

EBS has prepared this written workplan which is intended to satisfy SAM requirements. This workplan is intended to describe the field procedures to be followed in the field investigation, including the type of laboratory analyses to be performed on the soil samples, and soil sample collection methods. This workplan includes the proposed locations and rationale for additional soil borings and sample locations (Figure 5). The soil boring program has been designed to further assess the lateral and vertical extent of petroleum hydrocarbon-bearing soil in the vicinity of the former UST locations.

The existing health and safety plan for the Site will be revised to reflect the current work scope. A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120. Therefore, a health and safety plan will be prepared which will outline the potential chemical and physical hazards that may be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards will be detailed in this plan. EBS and contracted personnel involved with the proposed field work will be required to sign this document in order to encourage proper health and safety practices.

Because the soil borings are anticipated to intersect groundwater, soil boring permits will be prepared and submitted to the SAM with the appropriate fee. The permits will be signed by the appropriately licensed professional.

Prior to mobilizing for field work, EBS will notify and schedule the appropriate subcontractors including but not limited to, the laboratory, the drilling company, the surveyor, the concrete coring company, concrete masons, Underground Service Alert (USA), and the material supply company. In addition, before the soil borings are drilled, EBS will work with USA and a private underground utility search company to attempt to locate subsurface utilities and improvements at the Site to minimize the likelihood of drilling into an underground utility.

Phase II **Drilling and Sampling of Four Soil Borings**

Drilling of Four Soil Borings

Four soil borings will be drilled, logged, and sampled to depths of approximately 20 feet below grade, or until refusal is met. The borings will be drilled in the vicinity of the western and southwestern perimeter of the former excavation at the Site. The proposed locations of the borings have been designed to provide additional information about the possible migration of petroleum hydrocarbons west and northeast of the former USTs at the Site.

The following is a brief presentation of the rationale for soil boring locations. The proposed soil boring locations are illustrated on the attached Figure 5.

Soil Boring No.	Location/Rationale
B-7	Located west/northwest of soil sample GES-11 (3,300 mg/kg of TRPH) and well MW-1 (59 to 962 mg/kg of TRPH). To further assess the vertical and lateral extent and concentration of petroleum hydrocarbons downgradient from the above-mentioned soil sample/well locations.
B-8	Located west of soil sample OES-11 (16,000 mg/kg of TRPH) and boring B-1 (31 to 9,140 mg/kg of TRPH). To further assess the lateral and vertical extent of petroleum hydrocarbons downgradient from the above-mentioned soil sample/boring locations.
B-9	Located adjacent to borings B-1 and B-1A. To assess the vertical extent of petroleum hydrocarbons beneath the 15-foot sample in B-1A (433 mg/kg of TRPH).
B-10	Located southwest of soil samples OES-12 and OES-13 (18,000 and 23,000 mg/kg of TRPH, respectively). To further assess the vertical and lateral extent of petroleum hydrocarbons in the vicinity of the above-mentioned soil samples.

An additional soil boring to assess the vertical extent of petroleum hydrocarbons beneath the bottom of B-4 is not proposed. Soil boring B-4A is located approximately 5 feet from boring B-4 and had two soil samples collected from a greater depth than the bottom of B-4. Therefore, it is our opinion that this data may be used to assess the vertical extent of petroleum hydrocarbons beneath B-4.

The soil borings are anticipated to be drilled by using an air rotary rig with a dual-wall drilling system or with driven casing. This type of rig will be used due to the difficult drilling conditions encountered previously at the Site (colluvium and alluvium with abundant gravel and cobble). In addition, caving occurred in some of the borings, resulting in difficulties in collecting samples. Sample collection is anticipated to be more efficient if a dual-wall or driven casing system is used. A qualified, licensed drilling contractor will be selected at a later date.

We anticipate collecting soil samples from soil borings at approximately 5, 8, 10, 15 and 20 feet below grade and at interpreted significant lithologic changes. The 8-foot sample is intended to provide data at the interpreted water table, but its depth may vary depending on the boring location.

The soil borings will be backfilled with an approved grout. As required by San Diego County guidelines, either pre-steam washed augers or down-hole air percussion drilling equipment will be on-site or a steam cleaner will be on-site to steam wash the augers or down-hole air percussion drilling equipment between soil borings to minimize the likelihood of "cross-contaminating" the borings and to minimize the potential for a "false positive" in the soil samples analyzed. All soil cuttings generated from drilling will be placed in 55-gallon drums, which will be labeled and left on-site pending laboratory analysis results.

A California-registered geologist will be on Site to observe the drilling activity, and describe collected soil samples in general accordance with the United Soil Classification System. During the drilling of the soil borings, soil samples will be collected, when possible, with a split-spoon type or similar sampler. Soil samples will be driven into brass or stainless steel tubes. The tubes will be covered with Teflon sheeting,

tightly closed with end caps, and delivered immediately to an on-site mobile laboratory. The sample containers will be packed in ice-filled coolers. Chain-of-custody procedures will be implemented for sample tracking. A written analytical report will be provided by the laboratory upon the completion of the sample testing. Please note that based on previous drilling, Site conditions may not allow for the collection of drive samples. If this is the case, we will attempt to collect representative samples from the subsurface.

Sample Analyses

EBS will retain a mobile laboratory to conduct on-site analytical testing of soil samples. This way, should impacted soil extend further vertically or laterally than target depths or soil boring locations, additional soil samples can be collected while personnel and equipment are already mobilized at the Site. As many as four soil samples from each boring (including at least one sample collected from within the field-interpreted saturated zone) will be analyzed for TPH_g and TPH_d in general accordance with modified EPA Method 8015 (California Department of Health Services Method), and for TRPH in general accordance with EPA Method 418.1

In addition, the one soil sample with the highest reported TPH concentration per soil boring will be analyzed for BTEX in general accordance with EPA Method 8020. Based on previous soil sampling results for polychlorinated biphenyls (PCBs), chlorinated solvents, and total lead, analyses for other constituents are not proposed.

Phase III Data Evaluation, Figure and Table Preparation, Soil Boring Log Preparation, and Report Preparation

Based on the findings of the field investigation and laboratory results from the above scope of services and the historical findings provided by the Client, an assessment report (Report) will be written in general accordance with SAM guidelines. The Report will include laboratory reports, chain-of-custody documents, permits, illustrations reflecting the sampled subsurface, logs of the soil borings, tabulated analytical results, and appropriate support documentation. The Report will include a description of the work performed, discussion of the results, and our conclusions and recommendations as deemed appropriate. In addition, the report will include figures illustrating the extent of petroleum hydrocarbon-impacted soil and the ratio of TPH to TRPH concentrations, and an explanation of petroleum hydrocarbon distribution and migration, in general accordance with SAM guidance as presented in the letter to Mr. Buckner, dated February 7, 1995.

The Report will be peer reviewed and signed by a California Certified Engineering Geologist.

In addition to the above-described Report, in order to comply with the requirements of the soil boring permits, a "thirty day" report will be prepared and submitted to the SAM.

Estimated Schedule

We estimate that the total time necessary to complete the above phased scope of services is approximately 30 to 35 working days.

EBS appreciates the opportunity to provide you with a Quarterly Groundwater Monitoring Report and workplan on this important project. Should you have any questions regarding this letter, please contact the undersigned at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Daniel E. Johnson
Principal

Barry S. Pulver, CEG 1364
Principal

Stephen W. Blanchard
Staff Geologist

SB1/93E11631.wp2

cc: Carol Spangenberg, SAM
Joe McWalters, RWQCB

TABLES

TABLE 1

GROUNDWATER MONITORING RESULTS

WELL NUMBER	DATE	DEPTH TO WATER	DEPTH TO PRODUCT	TOC-ELEV	ELEV-GW
MW-1	3/28/95	7.65	***	97.93	90.28
MW-1	2/17/94	8.01	***	97.93	89.92
MW-2	3/28/95	8.28	***	98.53	90.25
MW-2	2/17/94	8.71	***	98.53	89.82
MW-3	3/28/95	4.56	***	98.89	94.33
MW-3	2/17/94	4.65	***	98.89	94.24

Notes:

1. All measurements in feet.
2. TOC-ELEV = Elevation of the top of casing in feet above mean sea level (msl). TOC-ELEV from survey performed by Hopwood Surveying on February 26, 1994.
3. ELEV-GW = Elevation of groundwater as measured in well in feet (msl).
4. *** = Product not encountered in well.

Table does not include all analytes referenced

TABLE 2

GROUNDWATER SAMPLE TEST RESULTS
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS, TOTAL PETROLEUM HYDROCARBONS AS GASOLINE AND DIESEL AND BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND MTBE

WELL NUMBER	SAMPLE DATE	TRPH (µg/l)	TPH_G (µg/l)	TPH_D (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)	MTBE (µg/l)
MW-1	3/28/95	410	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
MW-1	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
MW-2	3/28/95	1,000	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
MW-2	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
MW-3	3/28/95	950	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
MW-3	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---

Notes:

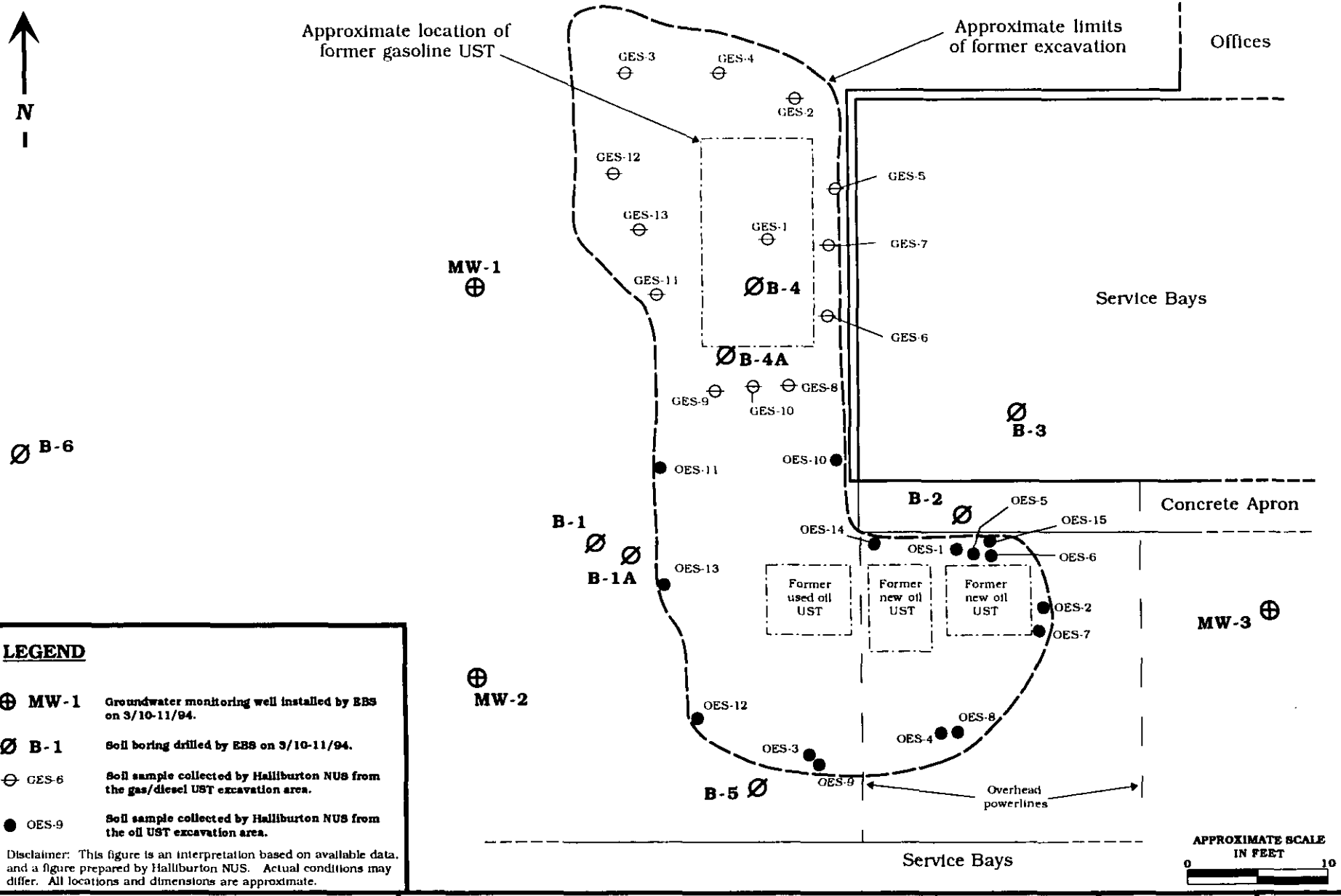
1. Samples collected on February 17, 1994, tested by Transglobal Environmental Geochemistry, and samples collected on March 28, 1995, tested by Analytical Technologies, Inc. Samples were tested for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_G) and as diesel (TPH_D) in general accordance with modified EPA Method 8015, and for benzene (B), toluene (T) ,ethylbenzene (E), total xylenes (X), and methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020.

2. --- = Sample not tested for corresponding constituent.

FIGURES



Environmental Business Solutions, Inc.	**Site Location Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1 **Figure 1**

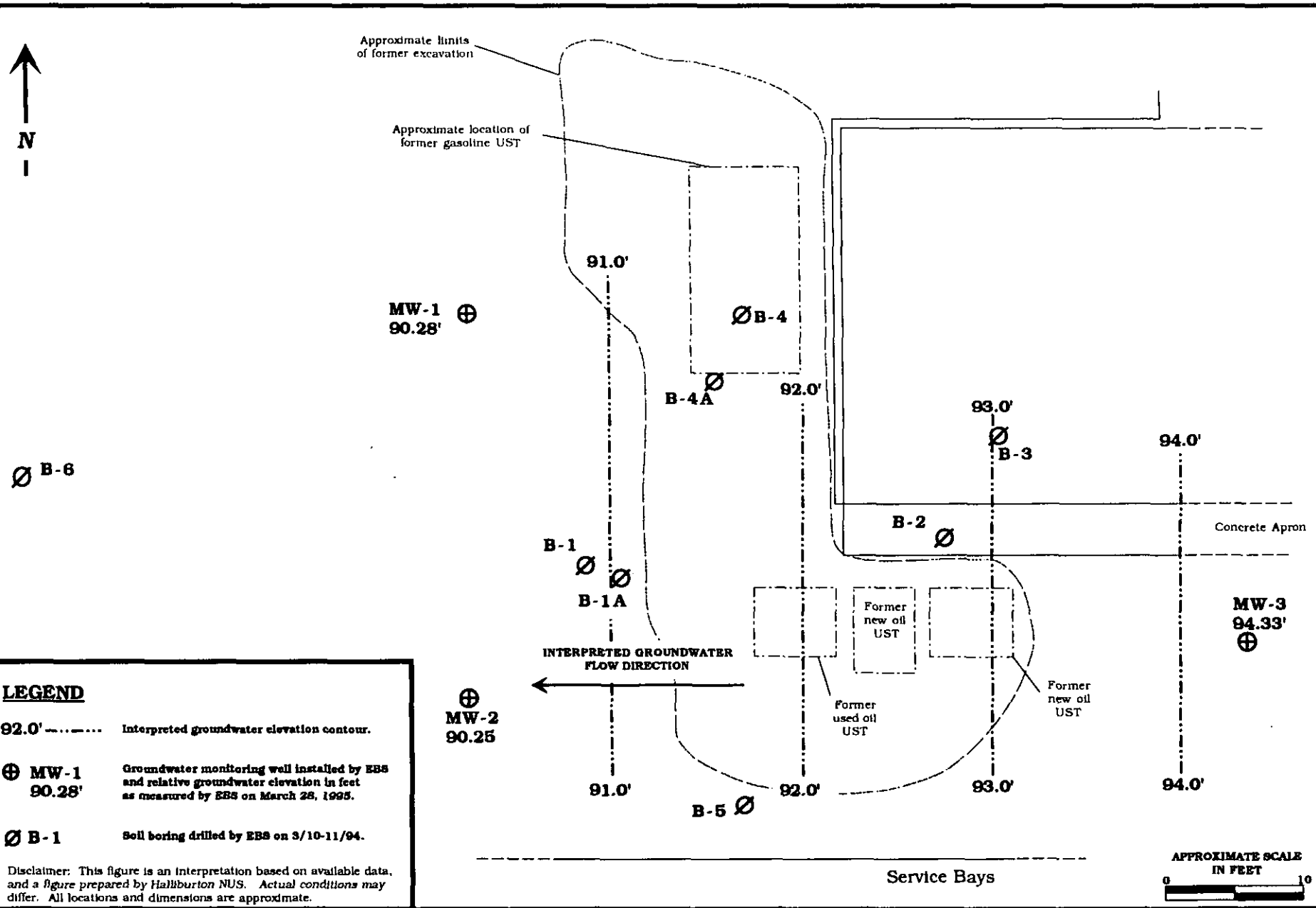


LEGEND

⊕ MW-1	Groundwater monitoring well installed by EBS on 3/10-11/94.
Ø B-1	Soil boring drilled by EBS on 3/10-11/94.
⊖ GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
● OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Site Plan** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 2



LEGEND

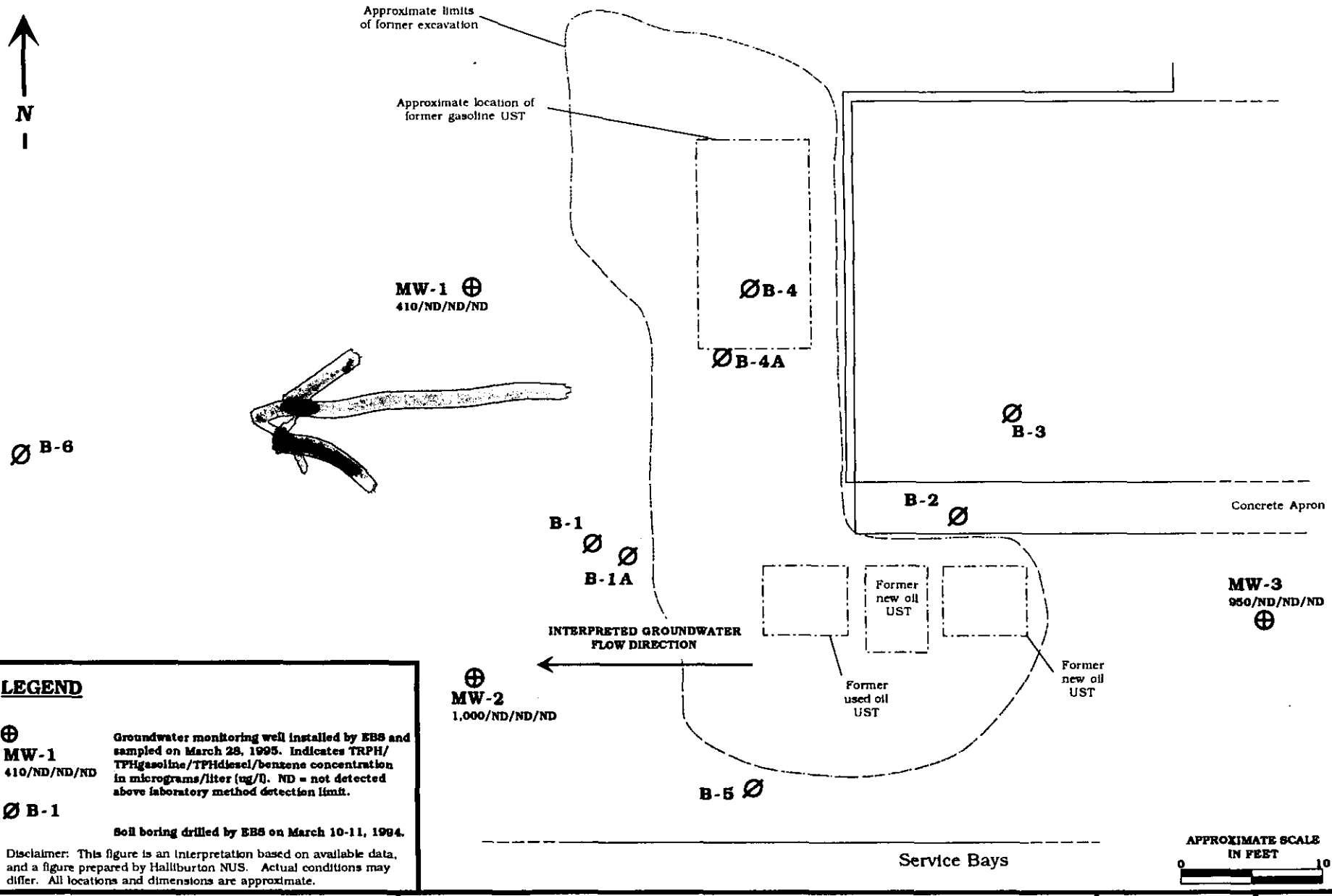
92.0' — Interpreted groundwater elevation contour.

⊕ MW-1 90.28' — Groundwater monitoring well installed by EBS and relative groundwater elevation in feet as measured by EBS on March 28, 1995.

Ø B-1 — Soil boring drilled by EBS on 3/10-11/94.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Groundwater Gradient Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** 93E1163.1	**Figure** 3



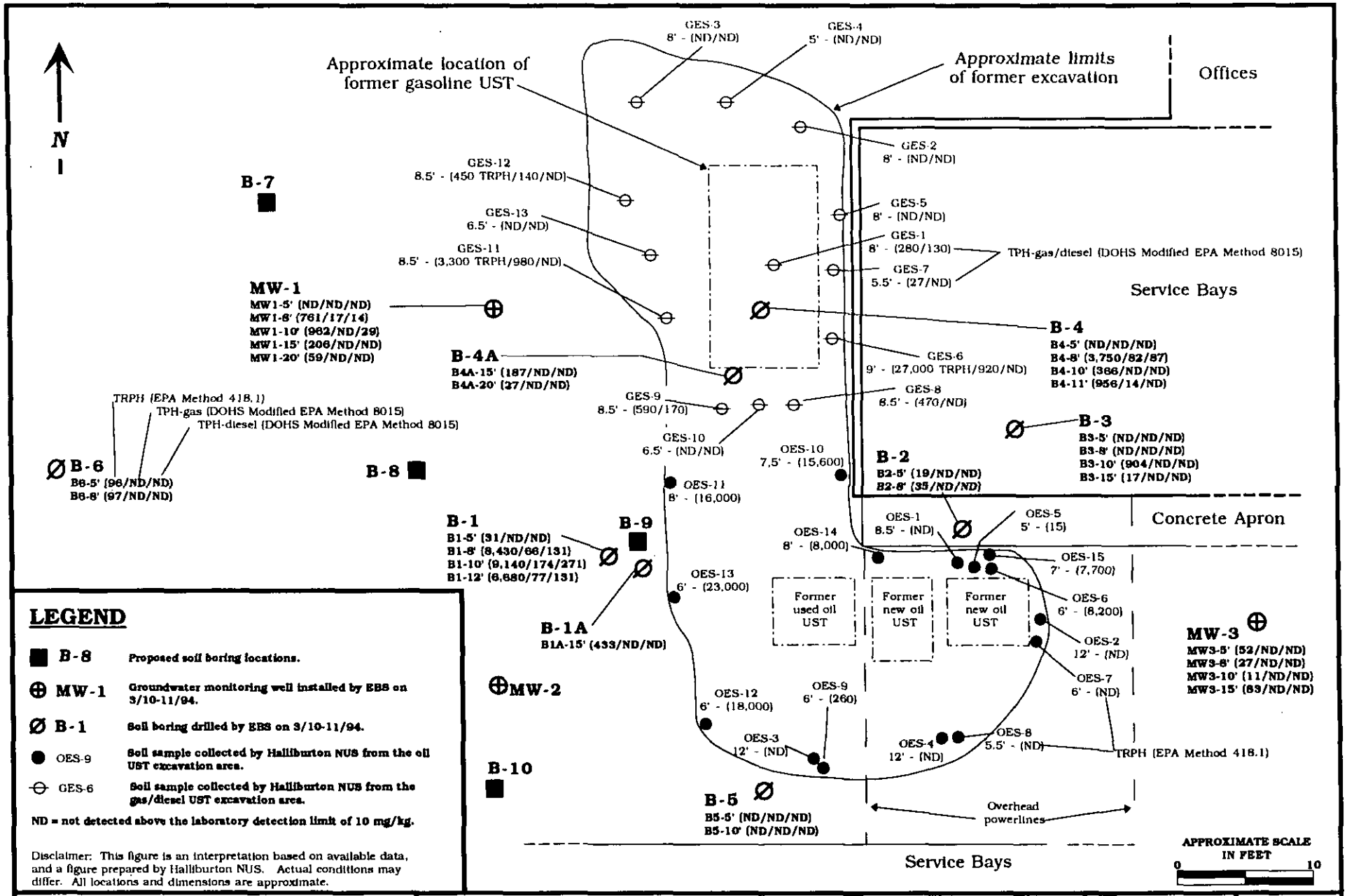
LEGEND

⊕ **MW-1** 410/ND/ND/ND — **Groundwater monitoring well installed by EBS and sampled on March 28, 1995. Indicates TRPH/TPHgasoline/TPHdiesel/benzene concentration in micrograms/liter (ug/l). ND = not detected above laboratory method detection limit.**

Ø **B-1** — **Soil boring drilled by EBS on March 10-11, 1994.**

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	**Groundwater Sample Results** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.1**	**Figure** **4**



LEGEND

- ■ B-8 — Proposed soil boring locations.
- ⊕ MW-1 — Groundwater monitoring well installed by EBS on 3/10-11/94.
- Ø B-1 — Soil boring drilled by EBS on 3/10-11/94.
- ● OES-9 — Soil sample collected by Halliburton NUS from the oil UST excavation area.
- ⊖ GES-6 — Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.

ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data, and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

Environmental Business Solutions, Inc.	Previous Soil Sample Test Results and Proposed Soil Borings La Mesa R.V. Center 7601 Alvarado Road La Mesa, California	Project No. 93E1163.1	Figure 5

APPENDIX

Analytical**Technologies,** Inc. Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

RECEIVED
APR 14 1995

ATI I.D.: 50334

April 12, 1995

ENVIRONMENTAL BUSINESS SOLUTIONS
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

Project Name: LA MESA RV
Project # : 93E1163.1

Attention: CHUCK HOUSER

Analytical Technologies, Inc. has received the following sample(s):

Date Received	Quantity	Matrix
March 28, 1995	4	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in th enclosed analytical schedule. The symbol for "less than" indicates a value below the reportab detection limit. If any flags appear next to the analytical data in this report, please see th attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that th Sample Condition Upon Receipt Checklist is included at the end of this report.

CHRISTOPHER MYERS
PROJECT MANAGER

ALAN J. KLEINSCHMIDT
LABORATORY MANAGER

Analytical Technologies, Inc.

SAMPLE CROSS REFERENCE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

Report Date: April 12, 1995
ATI I.D. : 503349

ATI #	Client Description	Matrix	Date Collected
1	MW-1	WATER	28-MAR-95
2	MW-2	WATER	28-MAR-95
3	MW-3	WATER	28-MAR-95
4	TRIP BLANK/(SDBTXE 1529)	WATER	28-MAR-95

---TOTALS---

Matrix	# Samples
WATER	4

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days from the date this report. If an extended storage period is required, please contact our sample contr department before the scheduled disposal date.

What was the analysis date?

Analytical Technologies, Inc.

ANALYTICAL SCHEDULE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D.: 5033

Analysis	Technique/Description
EPA 418.1 (PETROLEUM HYDROCARBONS)	INFRARED SPECTROMETER
EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)	GC/PHOTO IONIZATION DETECTOR
EPA 8310 (POLYNUCLEAR AROMATIC HYDROCARBONS)	HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)	GC/FLAME IONIZATION DETECTOR

Analytical Technologies, Inc.

analysis date?

GENERAL CHEMISTRY RESULTS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D.: 503

Sample #	Client ID	Matrix	Date Sampled	Date Receiv
1	MW-1	WATER	28-MAR-95	28-MAR
2	MW-2	WATER	28-MAR-95	28-MAR
3	MW-3	WATER	28-MAR-95	28-MAR

Parameter	Units	1	2	3
PETROLEUM HYDROCARBONS	MG/L	0.41	1.0	0.95

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

DUP/MS

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 5033
Project Name: LA MESA RV

Parameters	REF I.D.	Units	Sample Result	Dup Result	RPD	Spiked Sample	Spike Conc	% Rec
PETROLEUM HYDROCARBONS	503349-03	MG/L	0.95	1.0	5	5.3	5.0	87

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

BLANK SPIKE

Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1 ATI I.D. : 5033
Project Name: LA MESA RV

Parameters	Blank Spike ID#	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
PETROLEUM HYDROCARBONS	55491	MG/L	<0.20	4.3	5.0	86

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Sample Result - Duplicate Result)*100/Average Result

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : EPA 8310 (POLYNUCLEAR AROMATIC HYDROCARBONS)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 503349
Project # : 93E1163.1
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	MW-1	WATER	28-MAR-95	04-APR-95	08-APR-95	1.00
2	MW-2	WATER	28-MAR-95	04-APR-95	08-APR-95	1.00
3	MW-3	WATER	28-MAR-95	04-APR-95	10-APR-95	1.00

Parameter	Units	1	2	3
NAPHTHALENE	UG/L	<0.50	<0.50	<0.50
ACENAPHTHYLENE	UG/L	<1.0	<1.0	<1.0
ACENAPHTHENE	UG/L	<1.0	<1.0	<1.0
FLUORENE	UG/L	<0.10	<0.10	<0.10
PHENANTHRENE	UG/L	<0.050	<0.050	<0.050
ANTHRACENE	UG/L	<0.050	<0.050	<0.050
FLUORANTHENE	UG/L	<0.10	<0.10	<0.10
PYRENE	UG/L	<0.10	<0.10	<0.10
BENZO(a)ANTHRACENE	UG/L	<0.10	<0.10	<0.10
CHRYSENE	UG/L	<0.10	<0.10	<0.10
BENZO(b)FLUORANTHENE	UG/L	<0.10	<0.10	<0.10
BENZO(k)FLUORANTHENE	UG/L	<0.10	<0.10	<0.10
BENZO(a)PYRENE	UG/L	<0.10	<0.10	<0.10
DIBENZO(a,h)ANTHRACENE	UG/L	<0.20	<0.20	<0.20
BENZO(g,h,i)PERYLENE	UG/L	<0.10	<0.10	<0.10
INDENO(1,2,3-cd)PYRENE	UG/L	<0.10	<0.10	<0.10
SURROGATES				
2-CHLOROANTHRACENE	%	80	82	84

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8310 (POLYNUCLEAR AROMATIC HYDROCARBONS)
Blank I.D. : 34960
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: 04-APR-95
Date Analyzed : 07-APR-95
Dil. Factor : 1.00

Parameters	Units	Results
NAPHTHALENE	UG/L	<0.50
ACENAPHTHYLENE	UG/L	<1.0
ACENAPHTHENE	UG/L	<1.0
FLUORENE	UG/L	<0.10
PHENANTHRENE	UG/L	<0.050
ANTHRACENE	UG/L	<0.050
FLUORANTHENE	UG/L	<0.10
PYRENE	UG/L	<0.10
BENZO(a)ANTHRACENE	UG/L	<0.10
CHRYSENE	UG/L	<0.10
BENZO(b)FLUORANTHENE	UG/L	<0.10
BENZO(k)FLUORANTHENE	UG/L	<0.10
BENZO(a)PYRENE	UG/L	<0.10
DIBENZO(a,h)ANTHRACENE	UG/L	<0.20
BENZO(g,h,i)PERYLENE	UG/L	<0.10
INDENO(1,2,3-cd)PYRENE	UG/L	<0.10
SURROGATES		
2-CHLOROANTHRACENE	%	86

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : EPA 8310 (POLYNUCLEAR AROMATIC HYDROCARBONS)
MSMSD # : 74632
Client : ENVIRONMENTAL BUSINESS SOLUTIONS

Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: 04-APR-95
Date Analyzed : 07-APR-95
Sample Matrix : WATER
REF I.D. : REAGENT WATER

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
ACENAPHTHYLENE	UG/L	<1.0	20	18	90	18	90	0
PHENANTHRENE	UG/L	<0.050	1.0	0.87	87	0.90	90	3
PYRENE	UG/L	<0.10	1.0	0.93	93	0.94	94	1
BENZO(k)FLUORANTHENE	UG/L	<0.10	1.0	1.0	100	0.99	99	1
DIBENZO(a,h)ANTHRACENE	UG/L	<0.20	2.0	1.9	95	1.9	95	0

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Resul

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 503349
Project # : 93E1163.1
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	MW-1	WATER	28-MAR-95	N/A	30-MAR-95	1.00
2	MW-2	WATER	28-MAR-95	N/A	30-MAR-95	1.00
3	MW-3	WATER	28-MAR-95	N/A	30-MAR-95	1.00

Parameter	Units	1	2	3
METHYL T-BUTYL ETHER	UG/L	<5.0	<5.0	<5.0
BENZENE	UG/L	<0.50	<0.50	<0.50
TOLUENE	UG/L	<0.50	<0.50	<0.50
ETHYLBENZENE	UG/L	<0.50	<0.50	<0.50
XYLENES (TOTAL)	UG/L	<1.0	<1.0	<1.0
SURROGATES				
TRIFLUOROTOLUENE	%	97	102	97

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 503349
Project # : 93E1163.1
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	TRIP BLANK/(SDBTXE 1529)	WATER	28-MAR-95	N/A	30-MAR-95	1.00

Parameter	Units	4
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
SURROGATES		
TRIFLUOROTOLUENE	%	97

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)
Blank I.D. : 34895
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: N/A
Date Analyzed : 30-MAR-95
Dil. Factor : 1.00

Parameters	Units	Results
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
SURROGATES		
TRIFLUOROTOLUENE	%	101

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES)
MSMSD # : 74429
Client : ENVIRONMENTAL BUSINESS SOLUTIONS

Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: N/A
Date Analyzed : 30-MAR-95
Sample Matrix : WATER
REF I.D. : 503349-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	5.4	108	5.4	108	0
TOLUENE	UG/L	<0.50	5.0	5.4	108	5.3	106	2

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Resul

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : EPA 8020 (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) ATI I.D. : 503349
Blank Spike #: 55512 Date Extracted: N/A
Client : ENVIRONMENTAL BUSINESS SOLUTIONS Date Analyzed : 30-MAR-95
Project # : 93E1163.1 Sample Matrix : WATER
Project Name : LA MESA RV

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	5.4	5.0	108
TOLUENE	UG/L	<0.50	5.4	5.0	108

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Client : ENVIRONMENTAL BUSINESS SOLUTIONS ATI I.D. : 503349
Project # : 93E1163.1
Project Name: LA MESA RV

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	MW-1	WATER	28-MAR-95	31-MAR-95	31-MAR-95	1.00
2	MW-2	WATER	28-MAR-95	31-MAR-95	31-MAR-95	1.00
3	MW-3	WATER	28-MAR-95	31-MAR-95	31-MAR-95	1.00

Parameter	Units	1	2	3
FUEL HYDROCARBONS	MG/L	<0.50	<0.50	<0.50
HYDROCARBON RANGE		C7-C14	C7-C14	C7-C14
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
FUEL HYDROCARBONS (SECOND RANGE)	MG/L	<0.50	<0.50	<0.50
HYDROCARBON RANGE (2ND)		C15-C24	C15-C24	C15-C24
HYDROCARBONS QUANTITATED USING (2ND)		DIESEL	DIESEL	DIESEL
SURROGATES				
BIS(2-ETHYLHEXYL)PHTHALATE	%	114	118	117

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank I.D. : 34901
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: 31-MAR-95
Date Analyzed : 31-MAR-95
Dil. Factor : 1.00

Parameters	Units	Results
FUEL HYDROCARBONS	MG/L	<0.50
HYDROCARBON RANGE		C7-C14
HYDROCARBONS QUANTITATED USING		GASOLINE
FUEL HYDROCARBONS (SECOND RANGE)	MG/L	<0.50
HYDROCARBON RANGE (2ND)		C15-C24
HYDROCARBONS QUANTITATED USING (2ND)		DIESEL
SURROGATES		
BIS(2-ETHYLHEXYL)PHTHALATE	%	121

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
MSMSD # : 74454
Client : ENVIRONMENTAL BUSINESS SOLUTIONS

Project # : 93E1163.1
Project Name: LA MESA RV

ATI I.D. : 503349
Date Extracted: 31-MAR-95
Date Analyzed : 31-MAR-95
Sample Matrix : WATER
REF I.D. : 503349-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
FUEL HYDROCARBONS	MG/L	<0.50	10	7.7	77	8.3	83	8

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Resul

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS)
Blank Spike #: 55530
Client : ENVIRONMENTAL BUSINESS SOLUTIONS
Project # : 93E1163.1
Project Name : LA MESA RV

ATI I.D. : 503349
Date Extracted: 31-MAR-95
Date Analyzed : 31-MAR-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
FUEL HYDROCARBONS	MG/L	<0.50	11	10	110

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

ACCESSION #: [redacted]349 INITIALS: A.T.

ATI-SanDiego
SAMPLE CONDITION UPON RECEIPT CHECKLIST
(FOR RE-ACCESSIONS, COMPLETE #7 THRU #9)

1	Does this project require special handling according to NFESC Levels C, D, AFCEE or CLP protocols? If yes, complete a)and b) a) pH sample aliquoted: yes /no /na b) Either 1) Record Bottle Lot #'s: Or 2) Attach Sample Kit Request Form(s)	YES	(NO)
2	Number of Coolers Received If more than one cooler received attach Multiple Cooler Documentation Form (MCD) Indicate "see MCD"on Item 11 below	1	
3	Are custody seals required for this project ?	YES	(N/A)
	a) are Custody Seals present on Cooler(s) ?	YES	(NO)
	If yes, are seals intact ? (N/A)	YES	NO
	b) are Custody Seals present on the sample ?	YES	(NO)
	If yes, are seals intact ? (N/A)	YES	NO
4	Is there a Chain-Of-Custody (COC)* per cooler ? if not, if a problem is found indicate which samples/test were in the affected cooler on the MCD.	(YES)	NO
5	Is the COC* complete per cooler ? Relinquished: (yes)/no Requested analysis: (yes)/no	YES	NO
6	Is the COC* in agreement with the samples received? # Samples: yes/(no) Sample ID's: (yes)/no Date sampled: (yes)/no Matrix: (yes)/no # containers: yes/(no)	YES	(NO)
7	Are the samples preserved correctly?	(YES)	NO
8	Is there enough sample for all the requested analyses?	(YES)	NO
9	Are all samples within holding times for the requested analyses?	(YES)	NO
10	Record cooler temperature. Contact PM if temperature is not 4°C ± 2°C.	2.3 °C	
	Is ice present in cooler?	(YES)	NO
11	Were all sample containers received intact (ie. not broken, leaking, etc.)?	(YES)	NO
12	Are samples requiring no headspace, headspace free? N/A	(YES)	NO
13	Are VOA 1st stickers required?	YES	(NO)
14	Are there special comments on the Chain of Custody which require client contact?	YES	(N/A)
15	If yes, was ATI Project Manager notified?	YES	NO

Describe "no" items: * No Trip Blank Listed on C-O-C per Chris Myers added to C-O-C.

Was client contacted? yes / no

If yes, Date: _____ Name of Person contacted:

Describe actions taken or client instructions: _____

*Or other representative documents, letters, and/or shipping memos

Analytical Technologies, Inc.

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

Chain of Custody

DATE 3/28/95 PAGE ____ OF ____

PROJECT MANAGER: Chuck Houser
COMPANY: Environmental Business Solutions
ADDRESS: 6799 Balboa Ave. Suite 290
San Diego, CA. 92123

BILL TO: Same as above
COMPANY:
ADDRESS:

SAMPLERS: (Signature) [signature] PHONE NUMBER (619) 571-5500

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

SAMPLE ID	SAMPLE DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons 418.1 (1L (H₂SO₄)/100g)	Oil and Grease 413.2 (1L (H₂SO₄)/100g)	Gasoline (MOD 8015/DOHS) (4 oz (HCl)/50g)	Diesel (MOD 8015/DOHS) (4 oz (HCl)/50g)	Gasoline/BTXE (MOD 8015/8020) Maximum Contamination Level of Gasoline: 2ppm (water), 50ppm (Soil) (2X40ml (HCl)/50g)	MOD 8015 (Unknown) (4 oz (HCl)/50g)	BTXE (8020) (2X40ml (HCl)/50g)	Chlorinated Hydrocarbons (8010) (2X40ml (HCl)/50g)	Aromatic Hydrocarbons (8020) (2X40ml (HCl)/50g)	Chlorinated/Aromatic Hydrocarbons (8010/8020) (2X40ml (HCl)/50g)	Organic Pb (500ml/50g)		Pesticides/PCB (8080) (1L/50g)	Base/NEU/Acid Cmpds GC/MS (8270) (1L/100g)	Volatile Cmpds GC/MS (8240) (2X40ml (HCl)/100g)	Polynuclear Aromatic (8310) (1L/100g)	CCR Metals (500ml/100g)	Priority Pollutant Metals (500ml/100g)		Number of Containers
MW-1	3/28/95	1607	Water	01	X		X	X			X									*			1 See Comment	
MW-2	↓	1615	↓	02	X		X	X			X									*			Section For	
MW-3	↓	1625	↓	03	X		X	X			X									*			Instructions	
Trip Blank a.t.				04							X												regarding 8310	
3/29/95																							analysis. !	

PROJECT INFORMATION	SAMPLE RECEIPT o.c. 3/29/95	
PROJECT NUMBER: 93E1163.1	TOTAL NUMBER OF CONTAINERS	23
PROJECT NAME: La Mesa RV	CHAIN OF CUSTODY SEALS Y/N/NA	Y
PURCHASE ORDER NUMBER:	SEALS INTACT? Y/N/NA	Y
VIA:	RECEIVED GOOD COND/COLD	Y
TAT: ☐24HR ☐48HRS ☐72HRS ☐1WK ☐2WK	LAB NUMBER	503349

SAMPLE DISPOSAL INSTRUCTIONS

☒ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup

Comments: * Run any and all samples with detectable concentrations of TRPH (418.1) for Polynuclear Aromatic Hydrocarbons by Method 8310 Cooler #136 = 2.3°C

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 2135	Signature: Time:	Signature: Time:
Printed Name: Chuck Houser Date: 3/28/95	Printed Name: Date:	Printed Name: Date:
Company: EBS	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: [signature] Time: 2135
Printed Name: Date:	Printed Name: Date:	Printed Name: Leon J Tucker Date: 3/28/95
Company:	Company:	Analytical Technologies, Inc.

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

LUCE, FORWARD, HAMILTON & SCRIPPS
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418

March 2, 1995

Ms. Carol Spangenberg
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
1255 Imperial Avenue
P.O. Box 82561
San Diego, CA 92186-5261

Re: Unauthorized Release #T0427/H02651-001
La Mesa RV Center, 7601 Alvarado Rd., La Mesa, CA 92041

Dear Ms. Spangenberg:

I enjoyed talking with you on the telephone regarding this site and the additional work required by Lars Skinner's letter of February 7, 1995. During our telephone conversation you agreed to combine the dates for submission of a workplan and submission of the report of quarterly groundwater monitoring to be due on the same date, April 30, 1995. This will permit our consultant to have the groundwater monitoring data available for use in preparation of the workplan for further site work.

We thank you for your courtesy and cooperation.

Very truly yours,

Stephen L. Marsh

cc: Barry Pulver, E.B.S.
John Odermatt, R.W.Q.C.B.
James Buckner, La Mesa RV

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

July 18, 1996
Project Number: 94E1163.6

Ms. Carol Spangenberg
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

RE: Proposed Groundwater Monitoring Well Destruction Activities Performed Pursuant to the Approval of the San Diego County Site Assessment and Mitigation Division (SAM) at La Mesa R.V. Center, 7601 Alvarado Road, La Mesa, California

Dear Ms. Spangenberg:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter (Letter) regarding the proposed groundwater monitoring well destruction activities. Please find enclosed a copy of the well destruction permit that was submitted on July 12, 1996. We understand that Ms. Helen Dennin has approved the well destruction permit as of our conversation with her on July 15, 1996. The well destruction activities are scheduled for July 30, 1996. The wells will be destroyed in general accordance with SAM guidelines and the conditions of the approved well destruction permit. Cuttings and well destruction materials generated during the well destruction activities will be properly disposed of.

Lemon St 96161

In addition, on July 10, 1996, five soil drums were removed from the site and transported to Soil Wash Technologies, Inc. for treatment and disposal. A copy of the waste manifest is attached.

It has been a pleasure working with you on this project. If you have any questions or concerns, please do not hesitate to contact our office at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Steven R. Truesdale
Staff Geologist

Barry S. Pulver
Principal

ADH/93E11636.ltr
Enclosures

SOIL WASH TECHNOLOGIES, INC

CORPORATE HEADQUARTERS
215 North Marengo Avenue, Suite 110
Pasadena, California 91101-1501
Telephone: (818) 793-2435
Facsimile: (818) 568-1629
Contractor's License #680921

265-001

NON-HAZARDOUS MANIFEST

TO BE COMPLETED BY GENERATOR

NAME LA MESA RV CENTER CONTACT: JIM BUCKNER
ADDRESS 7601 ALVERADO ROAD PHONE NO. (619) 462-5880 x 250
CITY LA MESA STATE CA ZIP 92041
SITE ADDRESS: 7601 ALVERADO ROAD, LA MESA

CONTAINERS: No. 5 VOLUME/CY _____ WEIGHT/TONS _____
TYPE: ☐ TRANSFER TRUCK ☐ END DUMPTRUCK ☒ DRUMS ☐ ROLL-OFF ☐ OTHER _____
WASTE DESCRIPTION (eg. gasoline contaminated soil from leaking U.S.T.): NON-HAZARDOUS GASOLINE HYDROCARBON CONTAMINATED SOIL.

HANDLING INSTRUCTIONS: _____

SIGNATURE: [illegible] DATE 7/[illegible]
PRINT NAME & TITLE [illegible]

THE GENERATOR / AGENT CERTIFIES THAT THE WASTE IS NON-HAZARDOUS

TRANSPORTER

NAME SOIL WASH TECHNOLOGIES INC PURCHASE ORDER NO. # 265
ADDRESS 9310 FRIARS ROAD PICK UP DATE: 7-10-96
CITY SAN DIEGO STATE CA ZIP 92 TRUCK UNIT I.D. NO. _____
PHONE NO. (619) 521 8547

SIGNATURE: [illegible] DATE 7-10-96
PRINT NAME & TITLE ARBY T. WEAVER

FACILITY

NAME SOIL WASH TECHNOLOGIES, INC PURCHASE ORDER/CONTRACT NO. # 265
ADDRESS 9310 FRIARS ROAD SWTI PROJECT NO. _____
CITY SAN DIEGO STATE CA ZIP 92108
PHONE NO. (619) 521-8547

SIGNATURE: [illegible] DATE [illegible]
PRINT NAME & TITLE ARBY T. WEAVER

DISCREPANCY / COMMENTS: _____

LUCE, FORWARD, HAMILTON & SCRIPPS LLP
ATTORNEYS AT LAW • FOUNDED 1873

STEPHEN L. MARSH, PARTNER
DIRECT DIAL NUMBER (619) 699-2418
INTERNET: SMARSH@LUCE.COM

RECEIVED
JUN 13 2 59 PM '96
ENVIRONMENTAL
HEALTH SERVICES

05826-0022

June 11, 1996

Ms. Carol Spangenberg
County of San Diego
Department of Environmental Health
Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, California 92186-5261

Re: La Mesa RV Center, 7601 Alvarado Road, La Mesa, California

see "Technical Reports" Section for this report

Dear Ms. Spangenberg:

Enclosed is the May 2, 1996 *Report of Groundwater Assessment Activities For the Property at 7601 Alvarado Road, La Mesa, California*, prepared by Environmental Business Solutions, Inc. On the basis of this report, previous environmental investigations of soil and groundwater and removal of approximately 400 cubic yards of impacted soils, we are requesting that a "no further action" letter be issued for the subject site.

The following is a summary of soil and groundwater investigations conducted at the subject facility by various environmental consulting firms. Our request for a "no further action" letter is based on the information provided in these reports.

ENVIRONMENTAL SUMMARY

La Mesa RV Center engages in the sale and maintenance of recreational vehicles. Several office, sales, storage, and service/maintenance structures are located on the subject site and most of the surface has been paved with asphaltic concrete with a few areas of vegetation. Four underground storage tanks (USTs) were located in the southern portion of the subject site and were removed in February 1988. One 550-gallon UST stored used oil, two 550-gallon USTs stored new oil, and one 2,000-gallon gasoline/diesel UST. According to the San Diego County Hazardous Materials Management Division (HMMD) inspector, each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. The inspector did not note any adverse impacts to groundwater during the USTs' removal, although perched groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Six soil samples from the UST excavation were collected and analyzed. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. Three additional soil samples were collected from the new and used oil area of the UST excavation in May 1988 and detectable concentrations of TRPH were found in each of the three samples analyzed.

A removal program was conducted at the subject site in March 1992 in which approximately 400 cubic yards of soil was excavated in the vicinity of the former USTs. Confirmation soil samples collected and analyzed after the excavation project indicated that concentrations of both TPH and TRPH remained in the vicinity of the excavation.

Eleven soil borings were drilled at the subject site in February 1994, with three of these borings converted to groundwater monitoring wells. Shallow groundwater beneath the subject site was encountered at a depth of approximately 4 to 9 feet below grade and appeared to flow generally toward the west at a gradient of about 0.08. Thirty soil samples were collected and tested for TPH as gasoline (TPH-gas) and diesel (TPH-diesel). Soil samples with reported concentrations of TPH were only identified in three soil borings. TPH-gas concentrations ranged from 14 to 174 mg/kg and TPH-diesel concentrations ranged from 14 to 271 mg/kg. Thirty soil samples were analyzed for TRPH and ten of the eleven soil borings showed detectable concentrations ranging from 11 to 9,140 mg/kg. The sample with the highest TPH-gas and TRPH concentrations was analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and aromatic hydrocarbons. No concentrations of BTEX or aromatic hydrocarbons were found in the sample. Organic lead was identified at a concentration of 1.5 mg/kg in one soil sample.

Samples from the three groundwater monitoring wells were analyzed. There were no concentrations of TPH-gas, TPH-diesel, or BTEX identified in any of the samples. One groundwater sample showed a concentration of 0.002 mg/l total lead.

Additional assessment activities were conducted at the subject site in November 1995. Three soil borings were drilled and a round of monitoring, purging and sampling of the three wells was conducted. TRPH, TPH-gas, TPH-diesel and benzene concentrations were not found in any of the groundwater well samples analyzed. Concentrations of toluene (32.9 ug/l), ethylbenzene (2.0 ug/l), total xylenes (12.5 ug/l), and MTBE (0.7 ug/l), none of which exceed MCL's or recommended action levels, were identified in one well.

In March 1996, the three groundwater monitoring wells were monitored, purged, and sampled. Laboratory analytical results indicate that no TRPH, TPH-gas, TPH-diesel, BTEX, or MTBE were detected in groundwater samples collected from the three monitoring wells.

CONCLUSION

On the basis of soil sample analytical results, the horizontal extent of petroleum hydrocarbon impacted soils is limited to the immediate vicinity of the former UST excavation and to a maximum vertical depth of approximately 15 feet below grade. Groundwater has not been impacted by releases from the former underground storage tanks (USTs). Four groundwater monitoring events have been conducted at the subject site over a period of two years. At no time has any concentration of BTEX been reported to exceed maximum contaminant levels (MCLs) for drinking water nor have any detectable levels of benzene ever been reported. The subject site has been adequately characterized and does not pose a threat to human health or the environment. Furthermore, based on these facts, the La Mesa RV site meets the April 1, 1996 Regional Water Quality Control Board *Interim Guidance on Required Cleanup at Low-Risk Fuel Contaminated Sites* criteria for a "low risk soils only case." As a result, we are requesting that a "no further action" letter be issued for the La Mesa RV site at your earliest convenience.

Very truly yours,

Christine Baumgardt for

Stephen L. Marsh
of
Luce, Forward, Hamilton & Scripps

cc: Mr. Jim Buckner, w/o enclosure
Mr. John Odermatt, RWQCB
Ms. Christine Baumgardt, w/o enclosure

Encl.

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

FACSIMILE COVER LETTER

Date: 6/18/96

Number of Pages: 3
(including cover page)

Fax#: 338-2377

Please deliver the following pages to:

Name: CAROL SPANGENBERG

Company: SAM

Telephone #:

Transmittal from:

Name: STEVE TRUESDALE

Comments: AS DISCUSSED -

Hard copy to follow in the mail: O Yes O No

Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is privileged and confidential information for the use of the individual or entity named above. If the reader of this message is not the intended recipient or employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any discrimination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error or are not certain whether it is privileged, please notify us immediately by telephone, collect and return the original message to us at the address below via the U.S. Postal Service at our expense. Thank you.

For reception problems:
If you have trouble receiving this information, or if you did not receive the specified number of pages shown above, please call (619) 571 - 5500.

City of La Mesa

RECEIVED

MAY 31 1996

Environmental Business Solutions, Inc

May 29, 1996

Environmental Business Solutons
8799 Balboa Avenue, Suite 290
San Diego, Ca 92123

ATTN: Steven Truesdale

Enclosed is a signed batch discharge authorization for the discharge of ground water to La Mesa's sewer main as indicated on the permit.

Very truly yours,

Driss Elwardi
Utility Engineer

cc: Ind. Waste Program
9192 Topaz Way
San Diego, CA 92123-1119

Return to: Industrial Waste Program
9192 Topaz Way
San Diego, CA 92123-1119
Phone (619) 654-4100
Fax (619) 654-4110

CITY OF SAN DIEGO
METROPOLITAN WASTEWATER DEPARTMENT
Industrial Waste Pretreatment Program

Groundwater Batch Discharge Authorization Request

Mailing Information

Attention: STEVEN TRUESDALE

Company: ENVIRONMENTAL BUSINESS SOLUTIONS

Street: 8799 BALBOA AVENUE SUITE 290

City: SAN DIEGO State: CA Zip: 92123

APPROVED BY

THE INDUSTRIAL WASTE PROGRAM

DATE 5/20/96

Facility Information

Facility Contact: STEVEN TRUESDALE Title: ASST. STAFF GEOLOGIST

Phone: 571-5500 Fax: 571-5357

Facility Name: LA MESA RV CENTER

Facility Address: 7601 ALVARADO ROAD, LA MESA, CA 92041

Billing Address (if different):

Wastewater Information

Describe process generating wastewater: PURGED GROUNDWATER FROM THREE GROUNDWATER MONITORING WELLS.

List known and suspected contaminants: NON DETECT FOR TEPH, TPH, BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, MTBE FLASHPOINT >212°F

Describe any wastewater pretreatment methods used: N/A

Volume of wastewater to be discharged: 110 GALLONS APPROX. Flow 25 GALLONS.

Description of discharge point, include address and map as needed: SEWER MANHOLE USED FOR RECREATIONAL VEHICLE SEWAGE HOLDING TANK CLEAN OUT

Proposed Date(s) of Discharge: 5/24/96 Time: 12:00.

Lab Analysis

Attach a copy of lab analysis. For hydrocarbon only contaminated sites, analysis must include: Oil & Grease (or TPH), Total Lead, Benzene, and Flash Point. For sites with contamination other than hydrocarbons, please contact the Industrial Waste Program for guidance prior to having the analysis performed. ***Samples used for analysis must be representative of the wastewater to be discharged.***

Approval does not relieve the discharger of obligations regarding compliance with any and all applicable local, State, and Federal pretreatment standards or hazardous waste disposal requirements including any such standards or requirements that may become effective after the issuance of approval.

Signature [signature] Date 5/17/96

Print Name STEVEN P TRUESDALE

RECEIVED
MAY 6 12 33 PM '96
ENVIRONMENTAL
HEALTH SERVICES

ENVIRONMENTAL
BUSINESS
SOLUTIONS
Inc.

May 2, 1996
Project Number: 93E1163.2

Copy No. 4

Ms. Carol Spangenberg
County of San Diego
Site Assessment and Mitigation Division
1255 Imperial Avenue, 3rd Floor
P.O. Box 85261
San Diego, California 92186-5261

RE: Report of Groundwater Assessment Activities Performed Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R.V. Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Ms Spangenberg:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter report (Report) which summarizes the results of a groundwater assessment recently performed at the Site. The work described in this report was conducted in general accordance Exhibit "2" to the Consulting Agreement (Contract) between EBS and La Mesa R.V., Inc. (Client). The Contract was fully executed on February 3, 1994.

SITE INFORMATION

SITE LOCATION/DESCRIPTION

The Site is located in a commercial/retail portion of the City of La Mesa (Figure 1). Topographically, the Site is located along a relatively level terrace. Steep slopes are located along the southern portion of the Site.

The Site is used as a recreational vehicle sales and service facility. Site improvements include offices, showrooms, service bays, and associated driveways and parking areas. The northern portion of the Site is generally used for showrooms, vehicle parking, and sales offices. The southern portion of the Site is used for the repair and servicing of vehicles. Four underground storage tanks (USTs) were formerly located in the southern portion of the Site (Figure 2).

SITE IDENTIFICATION

Site Name:	La Mesa R. V. Center
Site Location:	7601 Alvarado Road, La Mesa, California 92041
SAM Case Number:	HO2651-001, T0427

BACKGROUND

The following background information is from previously reported data and reports prepared by others and by EBS. Four USTs of various capacities were removed from the Site. The USTs stored new oil, used oil, and gasoline. The USTs were located immediately to the west and south of a service bay building at the Site (Figure 2). The four USTs consisted of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

UST REMOVAL OF FEBRUARY 1988

The USTs were removed in February 1988 by Alm Services (Alm). The "Abandoned Underground Tank Report" prepared for the Site by the San Diego County Hazardous Materials Management Division (HMMD) inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs' removal, although groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Correspondence from Alm to the HMMD in March 1988 indicated that six soil samples from the UST excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May 1988, Alm was reported to have collected an additional three samples from the new and used oil area of the UST excavation. Detectable concentrations of TRPH were found in each of the three samples.

ASSESSMENT/REMEDIATION ACTIVITIES PERFORMED BY HALLIBURTON NUS IN MARCH 1992

In March 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted an exploratory excavation program at the Site. Approximately 400 cubic yards of soil was excavated from the vicinity of the former USTs. Numerous confirmation samples were collected during the excavation program. Confirmation samples indicated that soil with concentrations of both TPH and TRPH remained in the vicinity of the excavation.

WORKPLAN PREPARED BY EBS IN NOVEMBER 1993

In November 1993, EBS submitted a workplan to Mr. Lars Skinner of the SAM for review and approval. The workplan described an assessment which included the following:

- Drilling and sampling of seven soil borings and converting three of the soil borings to groundwater monitoring wells (wells);
- Monitoring, purging, and sampling the three wells; and
- Performing laboratory analysis on the collected soil and groundwater samples.

The workplan was approved by Mr. Skinner on December 9, 1993.

SOIL AND GROUNDWATER ASSESSMENT PERFORMED BY EBS IN FEBRUARY 1994

In February 1994, 11 soil borings (B-1, B-1A, B-2, B-3, B-4, B-4A, B-5, B-6, MW-1, MW-2, and MW-3) were drilled, three of which were converted to groundwater monitoring wells MW-1, MW-2, and MW-3. Work performed during this investigation included the collection and analysis of soil and groundwater samples. A report[1] summarizing the assessment activities was prepared and submitted to the SAM in March 1994.

Site Hydrogeology

The Site is interpreted to be located in the Mission San Diego Hydrologic Subarea of the Lower San Diego Hydrologic Area of the San Diego Hydrologic Unit. According to the Regional Water Quality Control Board (RWQCB), groundwater within this hydrologic subarea has existing or potential beneficial uses for municipal, agricultural, and/or industrial supplies.

The hydrologic areas and water use designations were presented in the RWQCB's "Comprehensive Water Quality Plan" (Plan) originally adopted in 1974. Recent amendments to the Plan, adopted in September 1994 by the RWQCB, were reviewed and used in the preparation of this Report.

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[1] Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site).

As previously reported, the shallow groundwater at the Site is generally encountered at a depth of approximately 4 to 9 feet below grade. The shallow groundwater is interpreted to flow generally towards the west at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance).

SAM LETTER OF FEBRUARY 7, 1995

On February 7, 1995, Mr. Lars Skinner issued a letter regarding his review of the assessment report prepared by EBS, and subsequently requested that additional assessment of petroleum hydrocarbon-bearing soil and groundwater be performed.

WORKPLAN AND QUARTERLY GROUNDWATER MONITORING REPORT PREPARED BY EBS

On May 1, 1995, EBS submitted a workplan and quarterly groundwater monitoring report[2] to the SAM. Prior to preparing the May 1995 report, the three wells were monitored, purged, and sampled.

The workplan presented a scope of work intended to assess the shallow soil at the Site. This scope of work included the drilling, sampling, and logging of four additional soil borings; monitoring, purging and sampling of three wells; and laboratory analysis of collected soil and groundwater samples.

SAM WORKPLAN APPROVAL LETTER OF JUNE 19, 1995

On June 19, 1995, Ms. Carol Spangenberg of the SAM issued a workplan approval letter.

REPORT PREPARED BY EBS

In November, 1995, EBS conducted additional assessment activities at the Site which included drilling three soil borings and an additional round of monitoring, purging and sampling the three wells. Work performed during this investigation included

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[2] Quarterly Groundwater Monitoring Report for the First Quarter of 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R. V. Center at 7601 Alvarado Road, La Mesa, California (Site).

the collection and analysis of soil and groundwater samples. A report[3] summarizing the assessment activities was prepared and submitted to the SAM in March 1996.

OBJECTIVES

The objectives of this scope of services were to:

- Assess shallow groundwater at the Site for flow direction, gradient, and concentration of dissolved petroleum hydrocarbons.

SCOPE OF SERVICES

The scope of services that were used to meet the objectives are as follows:

AMENDMENTS TO THE PREVIOUSLY PREPARED SITE HEALTH AND SAFETY PLAN, SUBCONTRACTOR SCHEDULING, AND PROJECT MANAGEMENT

Preparation of a Site Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120. Therefore, the previously prepared health and safety plan, which outlined the potential chemical and physical hazards that may be encountered during sampling activities, was amended for the current work scope. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards were detailed in this plan. EBS personnel involved with the proposed field work were required to sign this document in order to encourage proper health and safety practices.

Subcontractor Management and Scheduling

Prior to mobilizing for field work, EBS notified and scheduled the analytical laboratories (Transglobal Environmental Geochemistry [TEG] and Geotest).

MONITORING, PURGING, AND SAMPLING THREE WELLS

On March 31, 1996, three groundwater monitoring wells (MW-1, MW-2, and MW-3) were monitored, purged, and sampled. The wells were monitored with an electronic

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[3] Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site).

interface probe to measure depth to water. The interface probe is reported to measure groundwater level to within an accuracy of 1/100 foot. No free floating petroleum product was encountered during the monitoring activities. Both current and historical monitoring data are shown in Table 1.

After the wells were monitored they were purged and sampled in general accordance with SAM guidelines. Wells MW-1 and MW-3, were purged with a bailer. Purge water was placed in appropriate drums and left on-site. Well MW-2 was purged with a submersible pump. Approximately 1.5 borehole volumes of water was purged from each well. After approximately 2 hours after purging, the wells did not recharge to at least 80 percent of the pre-purging static water level. The wells were judged to be slow recharging and were sampled.

Groundwater was sampled with a disposable bailer. The groundwater samples were decanted into laboratory-supplied vials, capped, labeled, and placed in an ice-filled chest. Chain-of-custody procedures were implemented for sample tracking.

Laboratory Analysis of Collected Groundwater Samples

Groundwater samples were kept in an ice-filled cooler until analysis by TEG and analyzed for the following:

- TPH[4] in general accordance with modified EPA Method 8015;
- BTEX in general accordance with EPA Method 8020; and
- TRPH in general accordance with EPA Method 418.1.

In addition, a duplicate set of groundwater samples was submitted to Geotest and analyzed for the following:

- MTBE in general accordance with EPA Method 8020.

Groundwater laboratory test results are shown in Table 2. Laboratory test reports are attached.

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[4] "Full scan" includes gasoline and diesel ranges.

FINDINGS

HYDROGEOLOGY

The shallow groundwater at the Site was generally encountered at a depth of approximately 4 to 8 feet below grade. The shallow groundwater is interpreted to generally flow towards the west (Figure 2) at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance).

GROUNDWATER SAMPLES

Total Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TPH concentrations.

Total Recoverable Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TRPH concentrations.

Benzene, Toluene, Ethylbenzene, and Xylenes

All groundwater samples were reported to have no detectable BTEX concentrations.

Methyl Tertiary Butyl Ether

All groundwater samples were reported to have no detectable MTBE concentrations.

DISCUSSION

- Groundwater samples have been analyzed for MTBE and for BTEX. These are typically very soluble components of gasoline,[5] and their presence is frequently an indicator of gasoline. No detectable concentrations of MTBE or BTEX were reported for the collected groundwater samples.

- Groundwater samples were also analyzed for TPH and TRPH. No detectable TPH or TRPH concentrations were reported for the collected groundwater samples.

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[5] MTBE is a gasoline additive.

- Groundwater samples have previously been analyzed for polynuclear aromatic hydrocarbons[6] (PAHs). No detectable PAH concentrations were reported for the collected groundwater samples.

ASSESSMENT OF GROUNDWATER QUALITY AT THE SITE

Based on the groundwater samples collected from the Site to date, it is our opinion that groundwater at the Site has not been impacted[7] by release(s) from the former USTs.

There have been four groundwater monitoring events at this Site. As shown in Table 2, at no time has any concentration of BTEX been reported to exceed maximum contaminant levels[8] (MCLs) for drinking water. It should be stressed that all of the groundwater samples were reported to have no detectable benzene concentrations (Table 2).

No detectable MTBE concentrations were reported during this round of sampling. Groundwater sample MW-2, collected on November 28, 1995, was reported to have an MTBE concentration of 0.7 µg/l. It should be noted that the detection level for MTBE was 0.6 µg/l. The State "action level" for MTBE is 35 µg/l.

No detectable concentrations of TPH or TRPH were reported in collected groundwater samples.

CONCLUSIONS

Based on the data reviewed and obtained as part of this assessment, current regulatory guidelines, and our experience, in our professional judgement we have drawn the following conclusions:

- There is a low likelihood that the shallow groundwater at the Site has been impacted from a release(s) from the former USTs.

---

[6] Quarterly Groundwater Monitoring Report for the First Quarter of 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R. V. Center at 7601 Alvarado Road, La Mesa, California (Site).

[7] Impact to groundwater for the purposes of this report is defined as concentrations of chemicals that exceed MCLs, as defined in CCR Title 22, or the presence of free product or groundwater.

[8] MCL as defined in California Code of Regulations, Title 23.

RECOMMENDATIONS

- We recommend, based on the groundwater sample analytical results collected at the Site to date, that the SAM consider issuing a "no further action" letter (Site closure).

- After receiving Site closure, the Client should consider properly destroying the existing three groundwater monitoring wells.

We have enjoyed working with you on the important project. If we may be of further assistance or you have any question, please feel free to contact the undersigned at 619-571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Steven R. Truesdale
Staff Geologist

Barry S. Pulver, CEG 1364
Principal

Daniel E. Johnson
Principal

SRT20/93E11632.rpt
Enclosures

cc: Mr. James Buckner - La Mesa R.V., Inc.
Stephen L. Marsh, Esq - Luce, Forward, Hamilton & Scripps

REPORT USAGE AND FUTURE SITE CONDITIONS

This report is intended for the sole usage of La Mesa R.V. Center, its designated agents, and the SAM. Use of this report is subject to the provisions of the fully executed Consulting Agreement (Contract) between La Mesa R.V. Center and Environmental Business Solutions, Inc. Any third party usage of this report shall be subject to the provisions of the Contract and any unauthorized misuse of or reliance upon the report shall be without risk or liability to Environmental Business Solutions, Inc.

The conclusions of this report are judged to be relevant at the time the work described in this report was conducted. Future conditions may differ and this report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of environmental assessments in San Diego County is consulted to assess the necessity of updating this report.

Although this assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include, but are not limited to: 1) our reliance on inadequate or inaccurate information rightfully provided to us by third parties, such as public agencies and other outside sources; 2) the limited scope of this assessment; 3) the presence of undetected, unknown or unreported environmental releases; and 4) the heterogeneous and complex nature of subsurface materials.

TABLES

TABLE 2

GROUNDWATER SAMPLE TEST RESULTS
TRPH, TPH_g and TPH_d, BTEX and MTBE

WELL NUMBER	SAMPLE DATE	TRPH (µg/ l)	TPH_g (µg/ l)	TPH_d (µg/ l)	B (µg/ l)	T (µg/ l)	E (µg/ l)	X (µg/ l)	MTBE (µg/ l)
MW-1	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	410	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
	3/31/96	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
MW-2	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	1,000	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	32.9	2.0	12.5	0.7
	3/31/96	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
MW-3	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	950	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
	3/31/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6

Notes:

1. Samples were tested for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015, and for benzene (B), toluene (T) ,ethylbenzene (E), total xylenes (X), and methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020.

2. --- = Sample not tested for corresponding constituent.

3. All sample results are reported in micrograms per liter (µg/l).

4. With the exception of the MTBE analysis, the groundwater samples collected in March 1996 were analyzed by TEG.

TABLE 1

GROUNDWATER MONITORING RESULTS

WELL NUMBER	DATE	DEPTH TO WATER	DEPTH TO PRODUCT	TOC-ELEV	ELEV-GW
MW-1	2/17/94	8.01	***	97.93	89.92
	3/28/95	7.65	***		90.28
	11/28/95	7.88	***		90.05
	3/31/96	7.77	***		90.16
MW-2	2/17/94	8.71	***	98.53	89.82
	3/28/95	8.28	***		90.25
	11/28/95	8.50	***		90.03
	3/31/96	8.40	***		90.13
MW-3	2/17/94	4.65	***	98.89	94.24
	3/28/95	4.56	***		94.33
	11/28/95	4.63	***		94.26
	3/31/96	4.18	***		94.71

Notes:

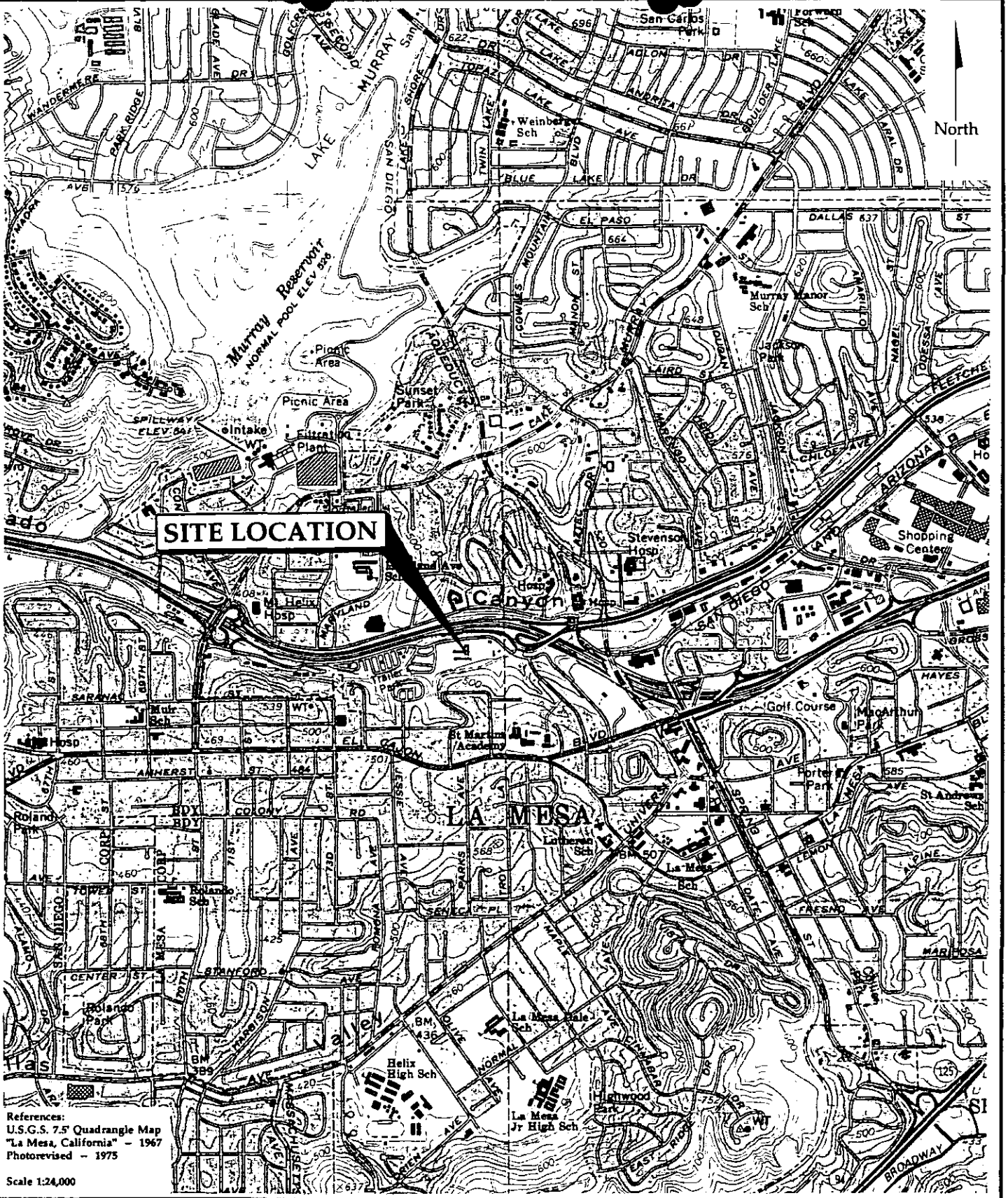
1. All measurements in feet.

2. TOC-ELEV = Elevation of the top of casing in feet above mean sea level (msl). TOC-ELEV from survey performed by Hopwood Surveying on February 26, 1994.

3. ELEV-GW = Elevation of groundwater as measured in well in feet (msl).

4. *** = Product not encountered in well.

FIGURES



ENVIRONMENTAL BUSINESS SOLUTIONS, Inc.

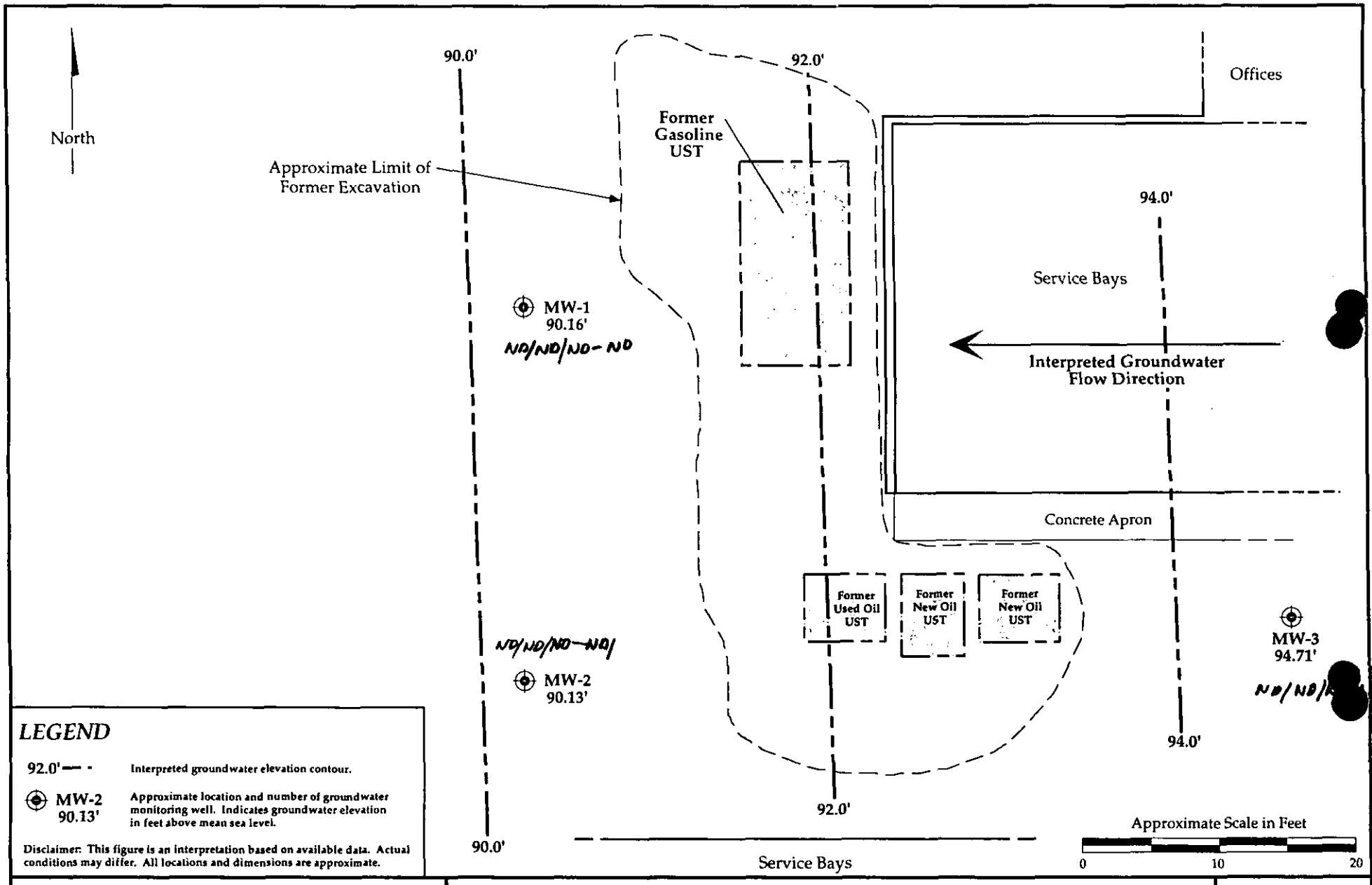
"Providing Economic Environmental Solutions to the Business Community"

Site Location Map

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 1



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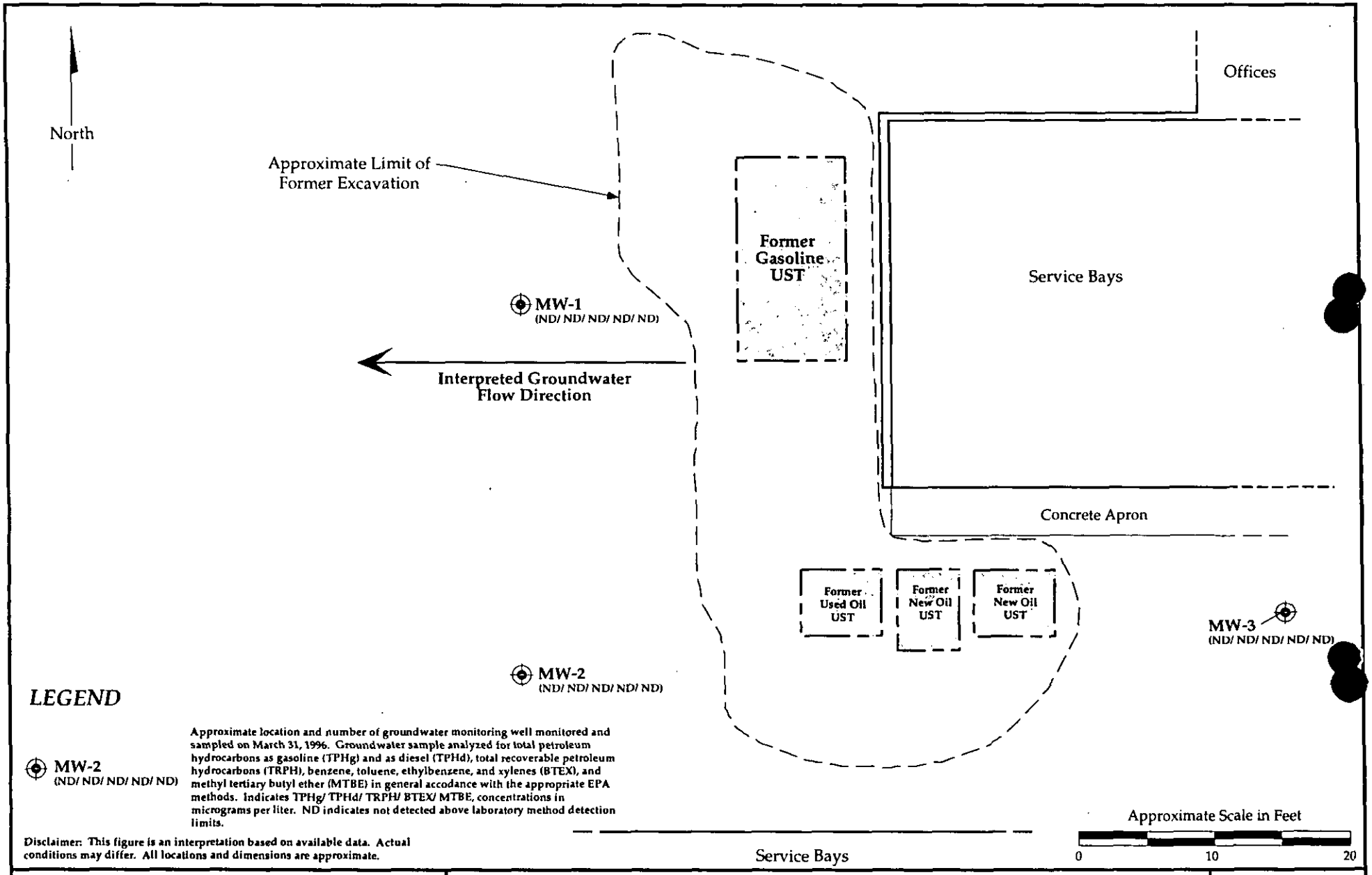
TPH/TRPH/BTEX

Groundwater Gradient Map

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No.
93E1163.2

Figure 2



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Site Plan with Groundwater Sample Analytical Results

La Mesa R.V. Center
7601 Alvarado Road
La Mesa, California

Project No. 93E1163.2

Figure 3

LABORATORY REPORTS

teg

April 9, 1996

Mr. Barry Pulver
Environmental Business Solutions
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

RECEIVED
APR 12 1996

SUBJECT: DATA REPORT - LA MESA RV CENTER - 7691 ALVARADO ROAD, LA MESA, CA - EBS PROJECT #93E163.2

TEG Project # 960401-9

Mr. Pulver:

Please find enclosed a data report for the above referenced location. Water samples were analyzed in TEG's DOHS certified mobile laboratory (CERT #1746).

Project Summary

The following analyses were conducted:

- 3 waters for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015
- 3 waters for volatile aromatic hydrocarbons (BTEX) by Modified EPA Method 8020
- 3 waters for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

The samples were received chilled in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

TEG appreciates the opportunity to provide analytical services to EBS on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Sheri Hartman

Ms. Sheri Hartman
President, TEG, Inc.

432 NORTH CEDROS AVENUE • SOLANA BEACH, CA 92075 • 619-793-0401 • FAX 619-793-0404

EBS PROJECT #93E163.2
LA MESA RV CENTER
7691 ALVARADO ROAD
LA MESA, CA

TEG Project #960401-9

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF WATERS

SAMPLE NUMBER	DATE ANALYZED	TRPH (ug/l)	~~TPH GAS~~ C5-C11 (ug/l)	TPH-DIESEL C12-C24 (ug/l)	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZ (ug/l)	XYLENES (ug/l)	SURROGATE (%REC)
METHOD BLANK	4/5/96	ND	ND	ND	ND	ND	ND	ND	126%
MW-1	4/5/96	ND	ND	ND	ND	ND	ND	ND	98%
MW-1 DUP	4/5/96	ND	ND	ND	ND	ND	ND	ND	117%
MW-2	4/5/96	ND	ND	ND	ND	ND	ND	ND	116%
MW-3	4/5/96	ND	ND	ND	ND	ND	ND	ND	103%
DETECTION LIMITS		500	500	500	0.5	0.5	0.5	0.5	65%-135%

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Shawn Hunter 4/9/96

teg

QA/QC REPORT - CALIBRATION DATA

TEG PROJECT #960401-9
DAILY CALIBRATION DATE : 04/05/96

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	4/7/95	0.635	2.7%	425	0.708	11.6%	375	0.625	1.6%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	4/7/95	0.677	5.3%	382	0.637	5.9%	370	0.617	8.9%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	4/7/95	0.820	2.9%	423	0.705	14.0%	436	0.727	11.4%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	5/5/95	0.246	6.3%	379	0.253	2.6%	418	0.279	13.1%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	5/5/95	0.249	14.9%	417	0.278	11.6%	385	0.257	3.0%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	5/5/95	0.361	15.9%	600	0.400	10.7%	485	0.323	10.6%
BENZENE	0.1 - 10	3.3 - 330	4/19/95	87.76	6.6%	288	96.00	9.4%	260	86.78	1.1%
TOLUENE	0.1 - 10	3.3 - 330	4/19/95	78.24	3.2%	244	81.41	4.1%	232	77.21	1.3%
ETHYLBENZENE	0.1 - 10	3.3 - 330	4/19/95	63.01	5.7%	183	61.14	3.0%	207	69.00	9.5%
m&p-XYLENES	0.1 - 10	3.3 - 330	4/19/95	78.43	6.7%	502	83.60	6.6%	498	83.06	5.9%
o-XYLENES	0.1 - 10	3.3 - 330	4/19/95	63.41	5.5%	210	70.09	10.5%	189	63.16	0.4%
TRPH	20 - 1,000	20 - 1,000	4/20/95	635.16	2.7%	0.853	586.17	7.7%	0.860	581.40	8.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Theresa Hunter 4/9/96

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR WATERS

ANALYSIS DATE : 04/05/96
TEG Project #960401-9

COMPOUND	SPK CONC (ug/L)	MS CONC (ug/L)	%REC MS	MSD CONC (ug/L)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE %MS
TRPH	5,000	4,764	95.3%	4,509	90.2%	5.5%	15%	75% - 110%
TPH GASOLINE	2,000	1,992	99.6%	1,760	88.0%	12.4%	15%	63% - 117%
TPH DIESEL	5,000	3,608	72.2%	3,767	75.3%	4.3%	15%	61% - 111%
BENZENE	10.0	8.4	84.0%	9.4	94.0%	11.2%	15%	63% - 108%
TOLUENE	10.0	9.6	96.0%	9.2	92.0%	4.3%	15%	62% - 90%
ETHYLBENZENE	10.0	8.6	86.0%	9.1	91.0%	5.6%	15%	65% - 106%
TOTAL XYLENES	30.0	27.2	90.7%	27.9	93.0%	2.5%	15%	64% - 103%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1746)
ANALYSES PERFORMED BY: MR. BO SMITH
DATA REVIEWED BY: Shawn W Hearn 4/9/96

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: ENVIRONMENTAL BUSINESS SOLUTIONS, INC

ADDRESS: 5799 BALBOA AVE SUITE 210

PHONE: 571 5500 FAX: 571 5357

CLIENT PROJECT #: 93E1163.2 PROJECT MANAGER: BARRY FULVER

DATE: 3-31-16 PAGE 1 OF 1

TEG PROJECT #: 160401-9

LOCATION: LA MESA R.V. CENTER 7601 ALVARADO RD

COLLECTOR: STEVE TRUESDALE / RUBE DAVIES DATE OF COLLECTION: 3/31/16

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS						FIELD NOTES	Total Number Of Containers	Lab Note Number
MW-1			WATER	40ml VOA		X			X			X														4	
MW-2			↓	↓		X			X			X														3	
MW-3			↓	↓		X			X			X														4	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
[signature]	4/1/16 12:50	[signature]	4/1/16 12:50
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

☒ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	11
CHAIN OF CUSTODY SEALS Y/N/NA	/
SEALS INTACT? Y/N/NA	N/A
RECEIVED GOOD COND./COLD	/
NOTES:	

LABORATORY NOTES:

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

RECEIVED
APR 22 1996

LABORATORY REPORT

ENVIRONMENTAL BUSINESS SOLUTIONS, INC.
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

REPORT TO:	BARRY PULVER	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PROJECT NAME:	LA MESA RV CENTER		
SITE LOCATION:	7601 ALVARADO ROAD LA MESA, CA		

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 03/31/96 and received intact and cool on 04/03/96. In accordance with the chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
Total Lead	2-3
MBTE	4-5

In addition, the analysis for flashpoint was subcontracted to an outside laboratory with results issued on a separate laboratory report.

REVIEWED AND APPROVED: Richard Villafania, Laboratory Manager

REPORT DATE: 4-8-96

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3010		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF TOTAL LEAD BY INDUCTIVELY COUPLED PLASMA
EPA METHOD 6010

3/31/96

UNITS:		LEAD mg/L	DETECTION LIMIT mg/L
SAMPLE ID	**DATE ANALYZED**		
METHOD BLANK	04/04/96	ND	0.02
D-1	04/04/96	ND	0.02

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3010		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF TOTAL LEAD BY INDUCTIVELY COUPLED PLASMA
EPA METHOD 6010

		RECOVERY	ACCEPTABLE RANGE
UNITS:		%	%
SAMPLE ID	DATE ANALYZED		
ICV	04/04/96	97	90-110
LCS	04/04/96	96	70-130
MATRIX SPIKE	04/04/96	85	70-130
MATRIX SPIKE DUPLICATE	04/04/96	86	70-130
RPD		1.2	0-25

ICV - Internal Calibration Verification
LCS - Laboratory Control Standard
RPD - Relative Percent Difference

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	VN	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID

MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	SURROGATE RECOVERY
UNITS:		µg/L	%
DETECTION LIMITS:		0.6	
SAMPLE ID	DATE ANALYZED		
METHOD BLANK	04/03/96	ND	100
MW-1	04/03/96	ND	102
MW-2	04/03/96	ND	94
MW-3	04/03/96	ND	103

Surrogate : a,a,a-Trifluorotoluene **Acceptable Range (%) :** 70-130

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST :	VN	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	04/03/96	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID
MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	ACCEPTABLE RANGE
RECOVERY UNITS:		%	%
SAMPLE ID	DATE ANALYZED		
LCS	04/03/96	93	80-120
MATRIX SPIKE	04/03/96	104	70-130
MATRIX SPIKE DUPLICATE	04/03/96	104	70-130
RPD		0	0-25

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

GEOTEST
3960 E. Gilman Street
Long Beach, 90815
Telephone: (310) 498-9515 (800) 624-5744
Fax: (310) 597-0786

CHAIN-OF-CUSTODY RECORD

9604009

GEOTEST PROJECT NO: 961138-03 / 98874
DATE 3/31/96 PAGE 1 OF 1

PROJECT NAME LA MESA R.V. CENTER
ADDRESS 7601 ALVARADO ROAD
SAMPLER'S SIGNATURE S R M
PRINTED NAME STEVE TRUESDALE
CLIENT PROJECT NO. 93E1163.2
PROJECT MANAGER BARRY PULVER

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	FLASHPOINT	TOTAL LEAD		MTBE 8020			MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
D-1	3/31/96	1400	LA MESA RV.					X	X					W	500ml Amber	4	2 Ambers broke during delivery
MW-1		1600									X			W	Voa	4	all voas contain air bubble
MW-2		1600									X			W	Voa	4	3 voas contain air bubble
MW-3		1600									X			W	Voa	4	all voas contain air bubble
																	T=8°C
																	Voas are not preserved

1 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	5 RELINQUISHED BY	DATE
SIGNATURE S R M	4/2/96	SIGNATURE FED-EX	4/3/96	SIGNATURE	
PRINTED NAME STEVE TRUESDALE	TIME 1400	PRINTED NAME	TIME 1030	PRINTED NAME	TIME
COMPANY		COMPANY		COMPANY	
2 RECEIVED BY FED-EX	DATE 4/2/96	**4 RECEIVED BY**	DATE	**6 RECEIVED BY (LAB)**	DATE 4/3/96
SIGNATURE		SIGNATURE		SIGNATURE	
PRINTED NAME	TIME 1900	PRINTED NAME	TIME	PRINTED NAME MICHELE HERRING	TIME 1025
COMPANY		COMPANY		COMPANY GEOTEST	

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
CALL TO CONFIRM DELIVERY PRIOR TO ANALYSIS

METHYL TERTIARY-BUTYL ETHER (MTBE)

ORIGINAL

ENVIRONMENTAL
BUSINESS
SOLUTIONS
Inc.

TRANSMITTAL LETTER

TO: Ms. Carol Spengenberg
Site Assessment and Mitigation Division
Department of Envrionmental Health
County of San Diego
P. O. Box 85261
San Diego, California 92186-5261

Date: March 7, 1996
Proposal Number: 93E1163.2

ENCLOSED PLEASE FIND:

One copy of report titled "Report of Soil and Groundwater Assessment Activities Performed Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R.V. Center at 7601 Alvarado Road, La Mesa, California (Site)"

REMARKS:

For your records.

Should you have any questions regarding this transmittal, please call the undersigned at (619) 571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG
Principal

Enclosure

RECEIVED
MAR 11 | 44 PM '96
ENVIRONMENTAL
HEALTH SERVICES

SOIL AND GROUNDWATER ASSESSMENT FOR LA MESA RV CENTERS, LA MESA, CALIFORNIA

MARCH 7, 1996

PROJECT NUMBER 93E1163.2

RECEIVED
MAR 11 1 44 PM '96
HEALTH SERVICES

ENVIRONMENTAL BUSINESS SOLUTIONS Inc.

March 7, 1996
Project Number: 93E1163.2

Copy No. 4

Mr. James Buckner
La Mesa R. V. Center
7601 Alvarado Road
La Mesa, California 92041

RE: Report of Soil and Groundwater Assessment Activities Performed Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R.V. Center at 7601 Alvarado Road, La Mesa, California (Site)

Dear Mr. Buckner:

Environmental Business Solutions, Inc. (EBS) is pleased to present this letter report (Report) which summarizes the results of a soil and groundwater assessment recently performed at the Site. The work described in this report was conducted in general accordance Exhibit "2" to the Consulting Agreement (Contract) between EBS and La Mesa R.V., Inc. (Client). The Contract was fully executed on February 3, 1994.

SITE INFORMATION

SITE LOCATION/DESCRIPTION

The Site is located in a commercial/retail portion of the City of La Mesa (Figure 1). Topographically, the Site is located along a relatively level terrace. Steep slopes are located along the southern portion of the Site.

At the time of the assessment, the Site was observed to be used for the sale and repair of recreational vehicles. Site improvements include offices, showrooms, service bays, and associated driveways and parking areas. The northern portion of the Site is generally used for showrooms, vehicle parking, and sales offices. The southern portion of the Site is used for the repair and servicing of vehicles. Four underground storage tanks (USTs) were formerly located in the southern portion of the Site.

SITE IDENTIFICATION

Site Name:	La Mesa R. V. Center
Site Location:	7601 Alvarado Road, La Mesa, California 92041
SAM Case Number:	HO2651-001, T0427

BACKGROUND

The following background information is from previously reported data and reports prepared by others and by EBS. Four USTs of various capacities were removed from the Site. The USTs stored new oil, used oil, and gasoline. The USTs were located immediately to the west and south of a service bay building at the Site (Figure 2). The four USTs consisted of one 550-gallon used oil UST, two 550-gallon new oil USTs, and one 2,000-gallon regular gasoline UST.

UST REMOVAL OF FEBRUARY 1988

The USTs were removed in February 1988 by Alm Services (Alm). The "Abandoned Underground Tank Report" prepared for the Site by the San Diego County Hazardous Materials Management Division (HMMD) inspector indicated that each of the USTs had holes ranging from pinhole size to three-quarters of an inch in diameter. Groundwater impact was not noted during the USTs' removal, although groundwater was observed at a depth of approximately 7 feet below grade in the excavation.

Correspondence from Alm to the HMMD in March 1988 indicated that six soil samples from the UST excavation were collected. Detectable concentrations of both total petroleum hydrocarbons (TPH) and total recoverable petroleum hydrocarbons (TRPH) were found in each of the samples collected. In May 1988, Alm was reported to have collected an additional three samples from the new and used oil area of the UST excavation. Detectable concentrations of TRPH were found in each of the three samples.

ASSESSMENT/REMEDIATION ACTIVITIES PERFORMED BY HALLIBURTON NUS IN MARCH 1992

In March 1992, subsequent to the submission and approval of a workplan, we understand that Halliburton NUS (Halliburton) conducted an exploratory excavation program at the Site. Approximately 400 cubic yards of soil was excavated from the vicinity of the former USTs. Numerous confirmation samples were collected during the excavation program (Tables 1 and 2, and Figure 2, 3). Confirmation samples indicated that soil with concentrations of both TPH and TRPH remained in the vicinity of the excavation.

WORKPLAN PREPARED BY EBS IN NOVEMBER 1993

In November 1993, EBS submitted a workplan to Mr. Lars Skinner of the SAM for review and approval. The workplan described an assessment which included the following:

- Drilling and sampling of seven soil borings and converting three of the soil borings to groundwater monitoring wells (wells);
- Monitoring, purging, and sampling the three wells; and
- Performing laboratory analysis on the collected soil and groundwater samples.

The workplan was approved by Mr. Skinner on December 9, 1993.

SOIL AND GROUNDWATER ASSESSMENT PERFORMED BY EBS IN FEBRUARY 1994

During this investigation, 11 soil borings (B-1, B-1A, B-2, B-3, B-4, B-4A, B-5, B-6, MW-1, MW-2, and MW-3) were drilled, three of which were converted to groundwater monitoring wells MW-1, MW-2, and MW-3 (Figure 2). Work performed during this investigation included the collection and analysis of soil and groundwater samples. A report[1] summarizing the assessment activities was prepared and submitted to the SAM in March 1994. Pertinent portions of the March 1994 report are presented as follows.

Site Geology

Geologic materials encountered during the assessment included fill soils, topsoil, and alluvium. A brief description of these units is presented below:

Fill

Fill soil was encountered in all of the soil borings. These deposits generally consisted of dark gray brown gravelly silty sand (SM), black silty gravelly sand

[1] *Report of Soil and Groundwater Investigation Pursuant to the Requirements of* the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site).

(SW), and yellow brown clayey sand (SC). Fill soil was observed to extend to a maximum depth of approximately 8 feet below grade.

Topsoil

Topsoil was encountered in soil borings and wells B-1, B-3, B-4, B-5, MW-1, and MW-2. Topsoil generally consisted of a dark brown silty sand/sandy silt (SM/ML). Topsoil was encountered to a maximum depth of approximately 12 feet below grade. It should be noted that the topsoil layer was observed to contain significant amounts of naturally occurring organic matter such as plant roots and other plant matter in varying degrees of decomposition. The topsoil layer was observed to be underlain by alluvium.

Alluvium

Alluvium was encountered in all soil borings and wells. These deposits generally consisted of red brown gravel/silty gravel (GW/GM), yellow brown gravelly clayey sand (SC), and a distinctive and cemented yellow brown gravelly clayey sand (SC). The cemented layer was generally encountered at a depth of approximately 10 feet below grade. It should be noted that the cemented layer was encountered in all soil borings and wells, and appeared to be dipping towards the west. The cemented layer was observed to have a thickness of approximately 10 feet.

Site Hydrogeology

As interpreted from maps prepared by the Regional Water Quality Control Board, San Diego Region (RWQCB) in the Comprehensive Water Quality Control Plan Report, dated 1979, the Site is located within the Chollas Hydrologic Subarea of the San Diego Mesa Hydrologic Area of the Pueblo San Diego Hydrologic Unit. As stated in RWQCB Resolution 91-79, this basin does not have any existing or potential municipal and industrial beneficial uses of groundwater.

The shallow groundwater at the Site is generally encountered at a depth of approximately 4 to 9 feet below grade. The shallow groundwater is interpreted to flow generally towards the west at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance).

The shallow groundwater is interpreted to be a perched water table. The cemented layer encountered at the Site is interpreted to be a confining layer on which the shallow groundwater is perched.

Soil Sample Analytical Results

All soil samples collected during the February 1994 assessment were tested for TPH and TRPH in general accordance with modified EPA Method 8015 (California Department of Health Services modified) and EPA Method 418.1, respectively. Laboratory test results are presented in Figure 3 and Table 3. TPH concentrations were reported to range from not detected to 271 milligrams per kilogram (mg/kg). TRPH concentrations were reported to range from not detected to 9,140 mg/kg.

In addition, the soil sample with the highest reported TRPH concentration (sample B1-10) was also analyzed for the following:

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) in general accordance with EPA Method 8020;
- Halogenated volatile organic compounds (HVOCs) in general accordance with EPA Method 8010;
- Polychlorinated biphenyls (PCBs) in general accordance with EPA Method 8080; and
- Organic lead in general accordance with EPA Method 6010.

Soil sample B1-10 was reported to have no detectable concentrations of BTEX, HVOCs, and PCBs. Soil sample B1-10 was reported to have an organic lead concentration of 1.5 mg/kg.

Groundwater Sample Test Results

All groundwater samples collected during this assessment were tested for TPH and BTEX in general accordance with modified EPA Method 8015 and EPA Method 8020, respectively. Laboratory test results are presented in Table 4. All samples were reported to have no detectable concentrations of TPH or BTEX.

Conclusions

Conclusions presented in the March 1994 report included:

- The horizontal extent of gasoline- and diesel-bearing soil is generally limited to the immediate vicinity of the former UST excavation. Gasoline and diesel-bearing soil extends to a maximum depth of approximately 15 feet below grade.

- The horizontal extent of TRPH-bearing soil (soil with TRPH concentrations greater than 1,000 mg/kg) has generally been assessed. Based on available data, the western, southern, and eastern limits of TRPH-bearing soil have been inferred. The maximum extent of TRPH-bearing soil has been inferred to extend approximately 30 feet in the interpreted downgradient direction, with respect to shallow groundwater flow, from the former oil USTs.

- There were no reported concentrations of TRPH, TPH, or BTEX in the groundwater samples collected from wells at the Site.

SAM LETTER OF FEBRUARY 7, 1995

On February 7, 1995, Mr. Lars Skinner issued a letter regarding his review of the assessment report prepared by EBS. Mr. Skinner requested that the following be performed:

- Provide additional assessment of petroleum hydrocarbon-bearing soil in the following areas:

  — West/northwest of soil sample GES-11 and well MW-1;

  — West of soil sample OES-11;

  — Southwest of soil samples OES-12 and OES-13; and

  — Vertically below soil borings B-1 and B-4.

- Provide an estimate of the volume of petroleum hydrocarbon-bearing soil remaining on Site, and the mean and maximum TPH and TRPH concentration of this soil.

- Provide a contour map of TPH and TRPH concentrations remaining in the soil.

- Clarify the distribution of TPH and TRPH in soil.

- Provide an explanation for the distribution of TRPH-bearing soil.

- Perform additional groundwater monitoring and sampling.

WORKPLAN AND QUARTERLY GROUNDWATER MONITORING REPORT PREPARED BY EBS

On May 1, 1995, EBS submitted a workplan and quarterly groundwater monitoring report[2] to the SAM. Prior to preparing the May 1995 report, the three wells were monitored, purged, and sampled. Laboratory test results are presented in Table 4. Groundwater monitoring data are presented in Table 5. All samples were analyzed for the following:

- TRPH in general accordance with EPA Method 418.1;
- TPH in general accordance with modified EPA Method 8015;
- BTEX in general accordance with EPA Method 8020;
- Methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020; and
- Polynuclear aromatic hydrocarbons (PNA) in general accordance with EPA Method 8310.

All groundwater samples were reported to have no detectable concentrations of TPH, BTEX, MTBE, and PNA. TRPH concentrations ranged from 410 (sample MW-1) to 1,000 (sample MW-2) micrograms per liter (µg/*l*).

The workplan presented a scope of work intended to assess the shallow soil at the Site. This scope of work included the drilling, sampling, and logging of four soil borings; monitoring, purging and sampling of three wells; and laboratory analysis of collected soil and groundwater samples.

SAM WORKPLAN APPROVAL LETTER OF JUNE 19, 1995

On June 19, 1995, Ms. Carol Spangenberg of the SAM issued a workplan approval letter, which is included in the Appendix.

OBJECTIVES

The objectives of this scope of services were to:

---

[2] Quarterly Groundwater Monitoring Report for the First Quarter of 1995 and Workplan Describing Additional Site Assessment Activities Pursuant to the Request of San Diego County Site Assessment and Mitigation Division (SAM) for the La Mesa R. V. Center at 7601 Alvarado Road, La Mesa, California (Site).

- Further assess the extent of petroleum hydrocarbon-bearing soil in the vicinity of the former gasoline and new and used oil USTs at the Site.

- Assess shallow groundwater at the Site for flow direction, gradient, and concentration of dissolved petroleum hydrocarbons.

SCOPE OF SERVICES

The scope of services that were used to meet the objectives are as follows:

PREPARATION OF A SITE HEALTH AND SAFETY PLAN; PREPARATION OF SOIL BORING PERMIT APPLICATIONS; SUBCONTRACTOR MANAGEMENT AND SCHEDULING; AND UTILITY SEARCH AND MARK OUT

Preparation of a Site Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations in 29 Code of Federal Regulations (CFR) Part 1910.120. Therefore, a health and safety plan was prepared which outlined the potential chemical and physical hazards that may be encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the site-specific chemical and physical hazards were detailed in this plan. EBS and contracted personnel involved with the proposed field work were required to sign this document in order to encourage proper health and safety practices.

Preparation of Soil Boring Permit Applications

Because the soil borings were anticipated to intersect groundwater, soil boring permit applications were prepared. The permit applications were signed by the appropriately licensed professional and submitted to the SAM with the appropriate fee on August 29, 1995.

The permits were approved on September 5, 1995. Copies of the approved permits are included in the Appendix.

Subcontractor Management and Scheduling

Prior to mobilizing for field work, EBS notified and scheduled the appropriate subcontractors including, but not limited to, the laboratories (Transglobal Environmental Geochemistry [TEG] and Geotest), the drilling company (West HazMat Drilling Corp. [West Hazmat]), Underground Service Alert (USA), and the private utility search company (Cable Pipe Locators [CPL]).

Utility Search and Mark Out

As required by state law, EBS contacted USA prior to performing field work. USA issued ticket numbers 196-623 and 210-149. USA contacted Cox Cable, Mt. Helix Water District, Pacific Bell, San Diego Gas and Electric, the cities of La Mesa and San Diego, and the San Diego County water utility districts. In addition, before the soil borings were drilled, EBS retained the services of CPL to attempt to locate subsurface utilities and improvements at the Site to minimize the likelihood of drilling into an underground utility.

DRILLING, LOGGING, AND SAMPLING FOUR SOIL BORINGS TO MAXIMUM DEPTHS OF APPROXIMATELY 21 FEET BELOW GRADE; MONITORING, PURGING, AND SAMPLING THREE WELLS; AND LABORATORY ANALYSIS OF COLLECTED SOIL AND GROUNDWATER SAMPLES

Drilling, Sampling, and Logging Four Soil Borings to Maximum Depths of Approximately 21 Feet Below Grade

Drilling Procedures

In general accordance with the approved workplan, four soil borings (soil borings B-7, B-8, B-9[3], and B-10) were drilled, logged, and sampled to depths of approximately 21 feet below grade. Soil boring locations are shown in Figure 2. The soil borings were drilled in the vicinity of the western and southwestern perimeter of the former excavation at the Site. The proposed locations of the borings were intended to provide additional information about the possible migration of petroleum hydrocarbons west, northeast and southwest of the former USTs at the Site.

The soil borings were drilled by West Hazmat using a CME-75 drill rig equipped with an Odex casing advance drilling system. This system used a down-hole air percussion hammer to advance the boring. Casing is advanced as the borehole is deepened. This type of rig was used due to the difficult drilling conditions encountered previously at the Site (colluvium and alluvium with abundant gravel and cobble with caving soil).

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[3] Attempts were made to collect soil samples from soil boring B-9 at depths of approximately 15 and 20 feet below grade. The sample collected at a depth of approximately 15 feet below grade was judged to be possibly not representative based on the blow counts and the visual condition of the sample. Soil boring B-9A was drilled in the vicinity of soil boring B-9 in an attempt to collect a sample from a depth of approximately 15 to 16 feet below grade.

Soil cuttings were placed in appropriate 55-gallon drums and left on the Site pending disposal. Upon completion of drilling and sampling the soil borings, the boreholes were backfilled with a bentonite slurry from the bottom of the borehole to approximately 1 foot below grade. The upper foot was backfilled with concrete.

Sampling Procedures

A California-registered geologist was on the Site to observe the drilling activity and describe collected soil samples in general accordance with the Unified Soil Classification System. Soil boring logs are presented in the Appendix. Soil samples were generally collected at 5-foot intervals, at interpreted significant geologic contacts, and at the field interpreted water table.

During the drilling of the soil borings, soil samples were collected with a split-spoon type or similar sampler. In order to attempt to maximize the quality of the soil sample, the sampler was driven as far as possible from the bottom of the borehole.[4] The materials encountered during drilling limited the depth that the sampler could be driven. The sampler was "set" by driving the sampler an initial 6 inches[5] prior to driving the sampler to collect the sample. The initial 6 inches of sample collected in the sampler was discarded.

Soil samples were either collected in brass tubes or transferred to laboratory-supplied jars. When tubes were used, the tubes were covered with Teflon™ sheeting, tightly closed with end caps, and labeled. When laboratory-supplied jars were used, the jars were capped and labeled. All samples were either placed in an ice-filled chest or delivered immediately to an on-site mobile laboratory. Chain-of-custody procedures were implemented for sample tracking.

Decontamination Procedures

As required by San Diego County guidelines, a steam cleaner was on-site to steam-clean the augers, casing, and percussion hammer and connecting rods between each soil boring. The soil sampler was cleaned between sampling events with a four-bucket wash: a Alconox-water solution, followed by two tap water rinses, and a final spray rinse with distilled water. Steam cleaner and sampler cleaning water were placed in appropriate drums, labeled, and left on the Site.

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[4] This method was also followed in the previous soil sampling performed by EBS.

[5] The number of blow counts recorded in the soil boring logs reflects the blows after the initial drive to "set" the sampler.

Monitoring, Purging, and Sampling Three Wells

On November 27, 1995, three groundwater monitoring wells (MW-1, MW-2, and MW-3) were monitored, purged, and sampled. The wells were monitored with an electronic interface probe to measure depth to water and depth to product (if encountered). Monitoring data are shown in Table 5.

After the wells were monitored they were purged and sampled in general accordance with SAM guidelines. The wells were purged with a bailer. Purge water was placed in appropriate drums and left on-site. Approximately 1 borehole volume of water was purged from each well. After approximately 2 hours after purging, the wells did not recharge to at least 80 percent of the pre-purging water table. The wells were judged to be slow recharging and were sampled. Well purging logs are included in the Appendix.

Groundwater was sampled with a disposable bailer. The groundwater samples were decanted into laboratory-supplied vials, capped, labeled, and placed in an ice-filled chest or immediately delivered to an on-site mobile laboratory. Chain-of-custody procedures were implemented for sample tracking.

Laboratory Analysis of Collected Soil and Groundwater Samples

Soil Samples

All soil samples were delivered to an on-site mobile laboratory supplied by TEG and analyzed for the following:

- TPH[6] in general accordance with modified EPA Method 8015;
- TRPH in general accordance with EPA Method 418.1; and
- BTEX in general accordance with EPA Method 8020.[7]

In addition, the sample with the highest reported TRPH concentration (sample B9-10) was submitted to Geotest and analyzed for California Code of Regulations (CCR) Metals in general accordance with EPA Method 6010. This analysis was performed as required for soil disposal approval.

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[6] "Full scan" includes gasoline and diesel ranges.

[7] BTEX analysis was performed on the sample, per soil boring, with the highest reported TPH concentration, or if there were no reported TPH concentrations, the sample with the highest reported TRPH concentration.

TPH, TRPH, and BTEX results are shown in Figure 4, and Tables 6 and 7. Laboratory test reports are provided in the Appendix.

Groundwater Samples

Groundwater samples were delivered to an on-site mobile laboratory supplied by TEG and analyzed for the following:

- TPH[8] in general accordance with modified EPA Method 8015;
- BTEX in general accordance with EPA Method 8020; and
- TRPH in general accordance with EPA Method 418.1.

In addition, a duplicate set of groundwater samples was submitted to Geotest and analyzed for the following:

- HVOCs in general accordance with EPA Method 8010/8020; and
- MTBE in general accordance with EPA Method 8020.

Groundwater laboratory test results (with the exceptions of HVOCs and PNAs) are shown in Table 4. Laboratory test reports are attached.

FINDINGS

SITE GEOLOGY AND HYDROGEOLOGY

Geologic materials encountered during the most recent drilling activity were similar to those from previous assessment activities, with the exception that fill soil was not interpreted to have been encountered. A brief description of two units encountered during this phase of work is presented below:

Topsoil

Topsoil generally consisted of a dark brown silty sand/sandy silt (SM/ML). Topsoil was encountered to a maximum depth of approximately 12 feet below grade. The topsoil was observed to contain significant amounts of naturally occurring organic matter and be underlain by alluvium.

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[8] "Full scan" includes gasoline and diesel ranges.

Alluvium

Alluvium generally consisted of red brown gravel/silty gravel (GW/GM), yellow brown gravelly clayey sand (SC), and a distinctive and cemented yellow brown gravelly clayey sand (SC). The top of the cemented layer was generally encountered at a depth of approximately 10 feet below grade. It should be noted that the cemented layer appeared to dip to the west.

Hydrogeology

The shallow groundwater at the Site was generally encountered at a depth of approximately 4 to 9 feet below grade (Table 5). The shallow groundwater is interpreted to generally flow towards the west (Figure 5) at a gradient of approximately 0.08 (8 feet of elevation difference for every 100 feet of horizontal distance). The shallow groundwater at the Site is interpreted to be a perched along the top of the cemented layer.

SOIL SAMPLE ANALYTICAL RESULTS

Total Petroleum Hydrocarbons

Fifteen soil samples were collected and analyzed for TPH. Only one soil sample (sample B9-10) was reported to have detectable TPH concentrations. As shown in Table 6, sample B9-10 was reported to have TPH as gasoline and diesel concentrations of 25 and 63 mg/kg, respectively.

Total Recoverable Petroleum Hydrocarbons

Fifteen soil samples were tested for TRPH. As shown in Table 6, these soil samples were reported to have TRPH concentrations ranging from not detected to 4,550 mg/kg (sample B9-10). In general, the soil samples collected near the top of the cemented layer (samples B7-10, B8-10, B9-10, and B10-10) were reported to have the highest TRPH concentration per soil boring.

Benzene, Toluene, Ethylbenzene, and Xylenes

All soil samples were reported to have no detectable concentrations of benzene and ethylbenzene. With the exception of soil sample B9-10, all soil samples were reported to have no detectable concentrations of toluene and xylenes. As shown in Table 7, soil sample B8-12 was reported to have toluene and xylene concentrations of 0.110 and 0.066 mg/kg, respectively.

GROUNDWATER SAMPLES

Total Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TPH concentrations.

Total Recoverable Petroleum Hydrocarbons

All groundwater samples were reported to have no detectable TRPH concentrations.

Benzene, Toluene, Ethylbenzene, and Xylenes

All three groundwater samples were reported to have no detectable benzene concentrations. Only one sample (the sample collected from well MW-2) was reported to have detectable concentrations of toluene (32.9 µg/l), ethlybenzene (2.0 µg/l), and xylenes (12.5 µg/l).

Methyl Tertiary Butyl Ether

With the exception of the groundwater sample collected from well MW-2 (sample MW-2), all groundwater samples were reported to have no detectable concentrations of MTBE. As shown in Table 4, groundwater sample MW-2 was reported to have a MTBE concentration of 0.7 µg/l.

Halogenated Volatile Organic Compounds

All groundwater samples were reported to have no detectable concentrations of HVOCs.

DISCUSSION

DESCRIPTION OF RELEASE

Substance Released

As reported by Halliburton,[9] gasoline, diesel fuel, and new and used oil were released from the former USTs. Based on review of laboratory test results of soil samples collected by EBS, it is our professional opinion that the vast majority of petroleum hydrocarbons released to the shallow subsurface are typical of oil. The rationale for this opinion is as follows:

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[9] Interim Report on Soil Assessment and Mitigation for La Mesa RV Center, 7601 Alvarado Road, San Diego [sic], California report dated August 1992.

- The interpreted extent of gasoline- and diesel-bearing soil is limited to the immediate vicinity of the former USTs; TRPH-bearing soil appears to encompass a larger area.[10]

- An analysis of the reported TPH and TRPH concentrations of soil samples collected by EBS was performed in general accordance with the request and procedure detailed by Mr. Lars Skinner in his February 7, 1995, letter. The procedure used was to calculate the percentage of TRPH relative to TPH[11] in order to evaluate the amount of gasoline and diesel in relation to oil.

  The basis for this analysis is that the TRPH analysis (EPA Method 418.1) and TPH analysis (modified EPA Method 8015) have a slight overlap. The TRPH analysis quantifies petroleum hydrocarbons with carbon chain lengths of C_5 to C_{40}. This range includes gasoline, diesel, and waste oil. The TPH analysis performed by TEG quantified petroleum hydrocarbons with carbon chain lengths of C_5 to C_{24}. This range includes gasoline and diesel fuel, but not oil.

  The concentration of petroleum hydrocarbons with carbon lengths of C_{25} to C_{40} may be estimated using the difference between the reported TRPH and TPH concentrations. This carbon chain range includes oils, but not gasoline or diesel.

  The results of this analysis, as shown in Figure 6 and Table 8, indicate that the vast majority of reported petroleum hydrocarbons have carbon chain lengths of C_{25} to C_{40}. This suggests that the released petroleum hydrocarbons are predominantly oil.

- Selected soil samples were analyzed for BTEX. BTEX is a commonly found additive to gasoline and its presence is frequently an indicator of gasoline. Only relatively minor concentrations of BTEX compounds were reported. This suggests that gasoline was not a significant component of the released petroleum hydrocarbons.

- Groundwater samples were analyzed for PNAs. This analysis was performed per the request of the SAM. It is our understanding that

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[10] The interpreted extent of petroleum hydrocarbon-bearing soil is discussed in a following section.

[11] For this analysis TPH is the sum of the reported concentration of TPH as gasoline and as diesel. A value of zero was assigned to samples with "no detectable" concentrations.

naphthalene is a highly soluble component of diesel fuel and frequently used as an indicator of diesel fuel. The laboratory reported no detectable concentrations of PNAs. This suggests that diesel fuel was not a significant component of the released petroleum hydrocarbons.

- Groundwater samples have been analyzed for MTBE and for BTEX. These components are very soluble components of gasoline,[12] and their presence is frequently an indicator of gasoline. Only minor quantities of MTBE, toluene, ethlybenzene, and xylenes have been reported for the collected groundwater samples. This suggests that gasoline was not a significant component of the released petroleum hydrocarbons.

Mechanisms of Migration of Released Petroleum Hydrocarbons

Based on review of the laboratory test results and our understanding of the Site geology and hydrogeology, it appears that the released petroleum hydrocarbons migrated in two pathways as described below:

- Initially the petroleum hydrocarbons migrated vertically from the point of release[13] within the vadose zone.

- After the petroleum hydrocarbons migrated and intersected the cemented layer, the petroleum hydrocarbons generally migrated towards the west, either along the perched water table or along the top of the previously described cemented layer.

INTERPRETED EXTENT OF PETROLEUM HYDROCARBON-BEARING SOIL[14]

Interpreted Horizontal Extent of Petroleum Hydrocarbon-Bearing Soil

As shown in Figures 7 and 8, it is our interpretation that the horizontal extent of petroleum hydrocarbon-bearing soil has been assessed. The rationale for this interpretation is as follows:

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[12] MTBE is a gasoline additive.

[13] The exact location and mechanisms of the release(s) are unknown. However, it is assumed that the release(s) occurred from the UST system. The former USTs are assumed to be considered, for this discussion, the point of release.

[14] For discussion purposes only, petroleum hydrocarbon-bearing soil is defined as soil with TRPH concentrations in excess of 100 mg/kg.

- The highest reported TRPH concentrations were from soil samples collected at depths of approximately 8 to 10 feet below grade. This is consistent with the migration pathway along the perched water table as discussed above. Therefore, soil samples collected from depths of approximately 8 to 10 feet below grade have been used to assess the horizontal extent of petroleum hydrocarbon-bearing soil. Soil samples used to assess the horizontal extent of petroleum hydrocarbon-bearing soil are as follows:

  — The northern extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil samples GES-2, GES-3, GES-5 and B7-8.

  — The eastern extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil samples GES-5, MW3-8, and MW3-10.

  — The southern extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil sample B5-10.

  — The western extent of petroleum hydrocarbon-bearing soil is assessed by using analysis of soil samples B6-8, B7-10, and B10-10.

Interpreted Vertical Extent of Petroleum Hydrocarbon-Bearing Soil

As in the March 1994 report,[15] it is our opinion that petroleum hydrocarbon-bearing soil extends to a maximum depth of approximately 15 feet below grade. The rationale for this opinion is as follows:

- The cemented layer encountered at the Site has acted as a confining layer for the perched groundwater. This layer would minimize the vertical downward movement not only of water, but also of petroleum hydrocarbons.

- Laboratory test results indicate that there is a marked decrease in TRPH concentrations between soil samples collected from the same soil boring

[15] Report of Soil and Groundwater Investigation Pursuant to the Requirements of the San Diego County Site Assessment and Mitigation Division (SAM) for La Mesa R. V. Center, Inc., Located at 7601 Alvarado Road, La Mesa, California (Site)

at depths of approximately 10 feet below grade and soil samples collected at depths of approximately 15 feet below grade. For example[16]:

- Soil samples B3-10' and B3-15' with TRPH concentrations of 904 and 17 mg/kg, respectively.
- Soil samples B7-10 and B7-16 with TRPH concentrations of 108 and <10 mg/kg, respectively.
- Soil samples B9-10' and B9-15' with TRPH concentrations of 4,550 and 79 mg/kg, respectively.
- Soil samples B10-10' and B3-15' with TRPH concentrations of 117 and <10 mg/kg, respectively.

- All soil samples collected from a depth of approximately 20 feet below grade were reported to have TRPH concentrations of less than 60 mg/kg as shown below:
  - Soil sample B4A-20 with a reported TRPH concentration of 27 mg/kg.
  - Soil sample B10-20 with a reported TRPH concentration of 19 mg/kg.
  - Soil sample MW1-20 with a reported TRPH concentration of 59 mg/kg.

Distribution of Petroleum Hydrocarbon-Bearing Soil

As previously stated, initially the released petroleum hydrocarbons migrated vertically from the point of release, and then migrated horizontally along the cemented layer. The soil excavation activity performed by Halliburton removed the majority of the petroleum hydrocarbon-bearing soil in the immediate vicinity of the former USTs. The remaining petroleum hydrocarbon-bearing soil is located in an approximately 7-foot thick zone, extending from approximately 7 to 14 feet below grade, along the top of the cemented layer.

As shown in Figure 8, the concentration distribution of petroleum hydrocarbon-bearing soil is as expected given the Site geology and hydrogeology and the nature of the release. The highest concentrations are generally in the immediate

[16] The examples include data only from soil borings from which soil samples were collected from depths of approximately 10 and 15 feet below grade.

vicinity of the former USTs. The concentrations of petroleum hydrocarbons generally decrease with distance from the former USTs.

VOLUME OF PETROLEUM HYDROCARBON-BEARING SOIL

Based on the available data, the volume of petroleum hydrocarbon-bearing soil remaining in place was estimated to be 1,212 cubic yards. The assumptions used in making this estimate are as follows:

- The areal extent of petroleum hydrocarbon-bearing soil is assumed to be rectangular with dimensions of approximately 85 feet in length and 55 feet in width.

- Hydrocarbon-bearing soil is limited to a layer encountered between approximately 7 and 14 feet below grade.

Based on these assumptions, the volume of petroleum hydrocarbon-bearing soil is estimated as follows:

- 85 ft. x 55 ft. x 7 ft. = 32,725 cubic feet

- 32,725 cubic feet x (1 cubic yard/27 cubic feet) = 1,212 cubic yards

ASSESSMENT OF GROUNDWATER QUALITY AT THE SITE

It is our opinion that groundwater at the Site has not been impacted[17] by release(s) from the former USTs. In addition, because the vast majority of the petroleum hydrocarbons present in the shallow soil appears to be similar to oil, and the solubility of oil in water is extremely low, it is our opinion that there is a low likelihood that the petroleum hydrocarbon-bearing soil remaining in place will result in impact to the shallow groundwater.

There have been three groundwater monitoring events at this Site. As shown in Table 4, at no time has any concentration of BTEX been reported to exceed maximum contaminant levels[18] (MCLs) for drinking water. It should be stressed that all of the groundwater samples were reported to have no detectable benzene concentrations (Table 4).

---

[17] Impact to groundwater for the purposes of this report is defined as concentrations of petroleum hydrocarbons that exceed MCLs, as defined in CCR Title 22, or the presence of free product or groundwater.

[18] MCL as defined in California Code of Regulations, Title 23.

MTBE was only reported to be detectable in one sample collected. Groundwater sample MW-2, collected on November 28, 1995, was reported to have an MTBE concentration of 0.7 µg/l. It should be noted that the detection level for MTBE was 0.6 µg/l. It should be noted the State action level for MTBE is 35 µg/l

In addition to TPH, TRPH, BTEX, and MTBE, groundwater samples collected during this and previous groundwater sampling events have been analyzed for PNAs and HVOCs. There have been no reported detectable concentrations of PNAs or HVOCs.

Detectable concentrations of TRPH were reported in collected groundwater samples. However, it should be noted that there are no known action levels for dissolved concentrations of TRPH in groundwater.

There are various means to estimate the potential for impact to groundwater from the release(s) from the former USTs. These methods may include modeling the solubility and transportation of petroleum hydrocarbons to groundwater, or using laboratory test methods to mimic the potential for leaching. All of these methods are indirect methods and as such are limited by the assumptions incorporated into the methodology.

At this Site we have a direct method of estimating the potential impact to groundwater. The USTs were removed almost eight years ago, and at that time evidence of a release from the USTs was noted. It is reasonable to assume that the release(s) had occurred prior to the time of the UST removal. However, at a minimum, petroleum hydrocarbon-bearing soil has been in contact with groundwater for at least eight years, and to date, there has been no evidence to indicate that groundwater has been impacted. This is strong direct evidence to suggest that the potential for future impact to groundwater is very low.

POTENTIAL RISK OF THE PRESENCE OF PETROLEUM HYDROCARBON-BEARING SOIL AT THE SITE

Potential Risk to Human Health[19]

It is our judgment that there is a very low risk to human health due to the presence of petroleum hydrocarbon-bearing soil at the Site. Our reasons for this judgment are as follows:

- The remaining petroleum hydrocarbon-bearing soil is located at least 7 feet below grade. This 7-foot separation from the surface to the zone of petroleum hydrocarbon-bearing soil effectively prevents human contact

[19] Potential risks to human health are based on the current Site land use.

with the soil, and therefore the potential for ingestion or for dermal exposure.

- The vast majority of released petroleum hydrocarbons are typical of oil. Laboratory test reports indicate that there is a very low concentration of BTEX in the soil. Therefore, the potential for the migration of vapors with BTEX concentrations which may pose a threat to human health is very low to nonexistent.

Also no PNAs

Potential Risk to Groundwater

As previously stated, due to the nature of the petroleum hydrocarbons present in soil, there is a very low potential risk to the shallow groundwater.

CONCLUSIONS

Based on the data reviewed and obtained as part of this assessment, current regulatory guidelines, and our experience, in our professional judgement we have drawn the following conclusions:

- The vast majority of the petroleum hydrocarbons released from the former USTs are typical of oil.
- The interpreted horizontal and vertical extent of petroleum hydrocarbon-bearing soil has generally been assessed.
- Approximately 1,200 cubic yards of petroleum hydrocarbon-bearing soil is present in the immediate vicinity of the former USTs.
- There is a low likelihood that the shallow groundwater at the Site has been impacted from a release(s) from the former USTs.

RECOMMENDATIONS

- Because the remaining petroleum hydrocarbon-bearing soil is judged not to pose a risk to public health nor present a potential impact to groundwater, the SAM should consider issuing a "no further action" letter (site closure).
- After receiving site closure, the Client should consider properly destroying the existing three groundwater monitoring wells.

We have enjoyed working with you on the important project. If we may be of further assistance or you have any question, please feel free to contact the undersigned at 619-571-5500.

Respectfully,
ENVIRONMENTAL BUSINESS SOLUTIONS, INC.

Barry S. Pulver, CEG 1364
Principal

Daniel E. Johnson
Principal

LMRV1/93E11632.rpt
Attachments

REGISTERED GEOLOGIST
BARRY S. PULVER
No. 1364
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

Report Usage and Future Site Conditions

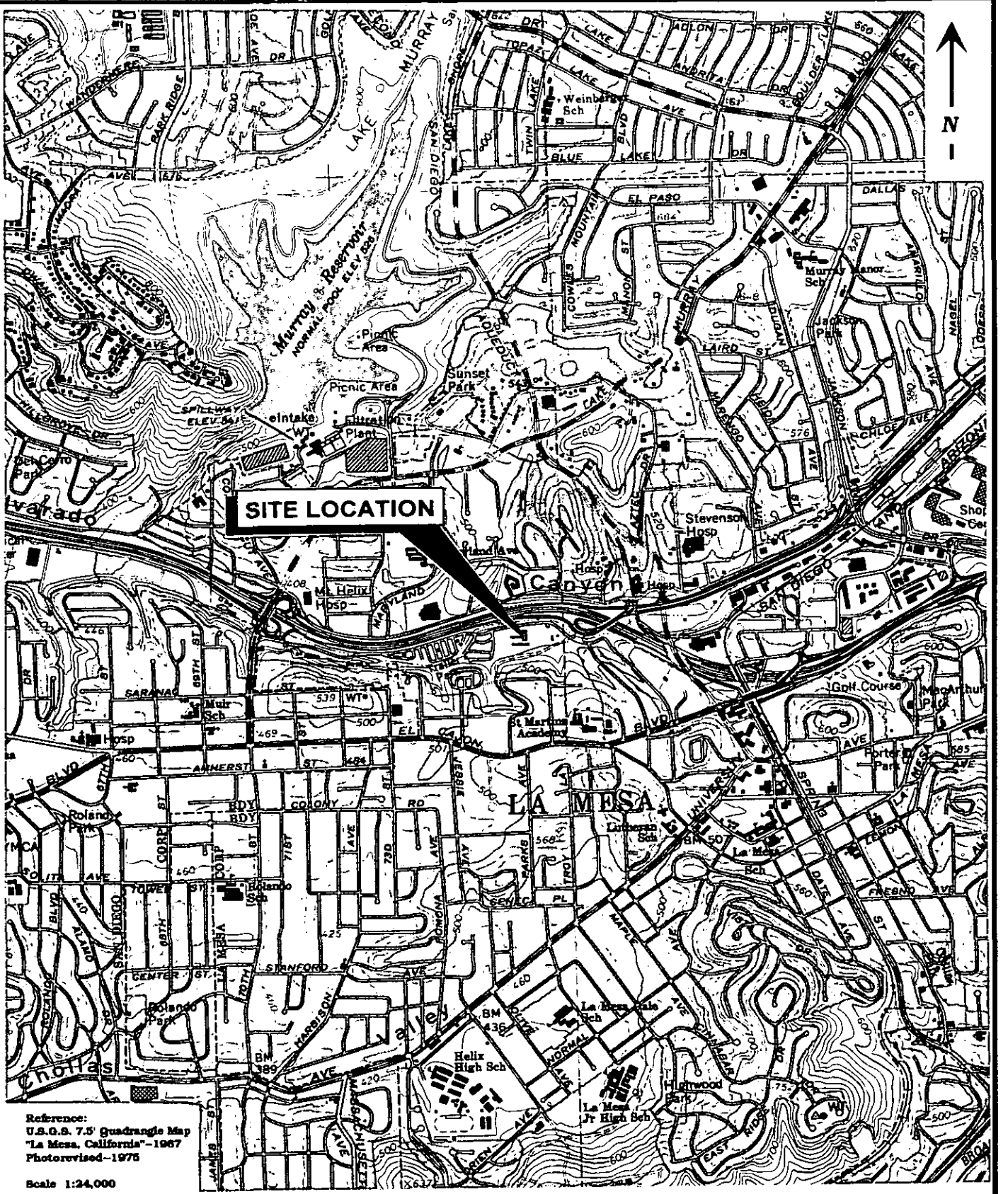
This report is intended for the sole usage of La Mesa R.V. Center and its designated agents. Use of this report is subject to the provisions of the fully executed Consulting Agreement (Contract) between La Mesa R.V. Center and Environmental Business Solutions, Inc. Any third party usage of this report shall be subject to the provisions of the Contract and any unauthorized misuse of or reliance upon the report shall be without risk or liability to Environmental Business Solutions, Inc.

The conclusions of this report are judged to be relevant at the time the work described in this report was conducted. Future conditions may differ and this report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of environmental assessments in San Diego County is consulted to assess the necessity of updating this report.

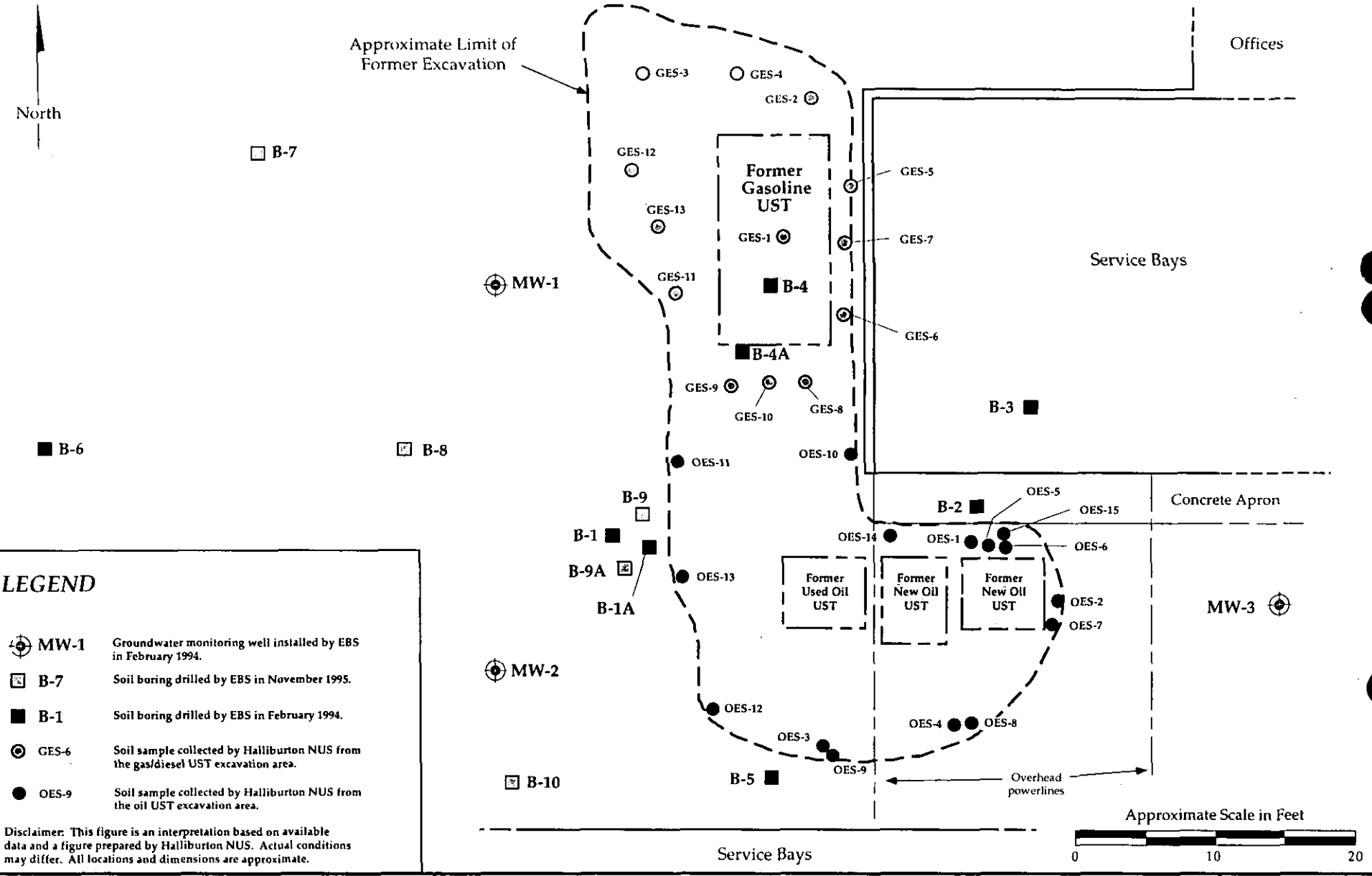
Although this assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons which include, but are not limited to: 1) our reliance on inadequate or inaccurate information rightfully provided to us by third parties, such as public agencies and other outside sources; 2) the limited scope of this assessment; 3) the presence of undetected, unknown or unreported environmental releases; and 4) the heterogeneous and complex nature of subsurface materials.

APPENDIX

FIGURES



Environmental Business Solutions, Inc.	**Site Location Map** **La Mesa R.V. Center** 7601 Alvarado Road La Mesa, California	**Project No.** **93E1163.2** **Figure 1**



LEGEND

MW-1	Groundwater monitoring well installed by EBS in February 1994.
B-7	Soil boring drilled by EBS in November 1995.
B-1	Soil boring drilled by EBS in February 1994.
GES-6	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area.
OES-9	Soil sample collected by Halliburton NUS from the oil UST excavation area.

Disclaimer: This figure is an interpretation based on available data and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

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Location of Former Underground Storage Tanks, Groundwater Monitoring Wells, Soil Borings, and Soil Samples

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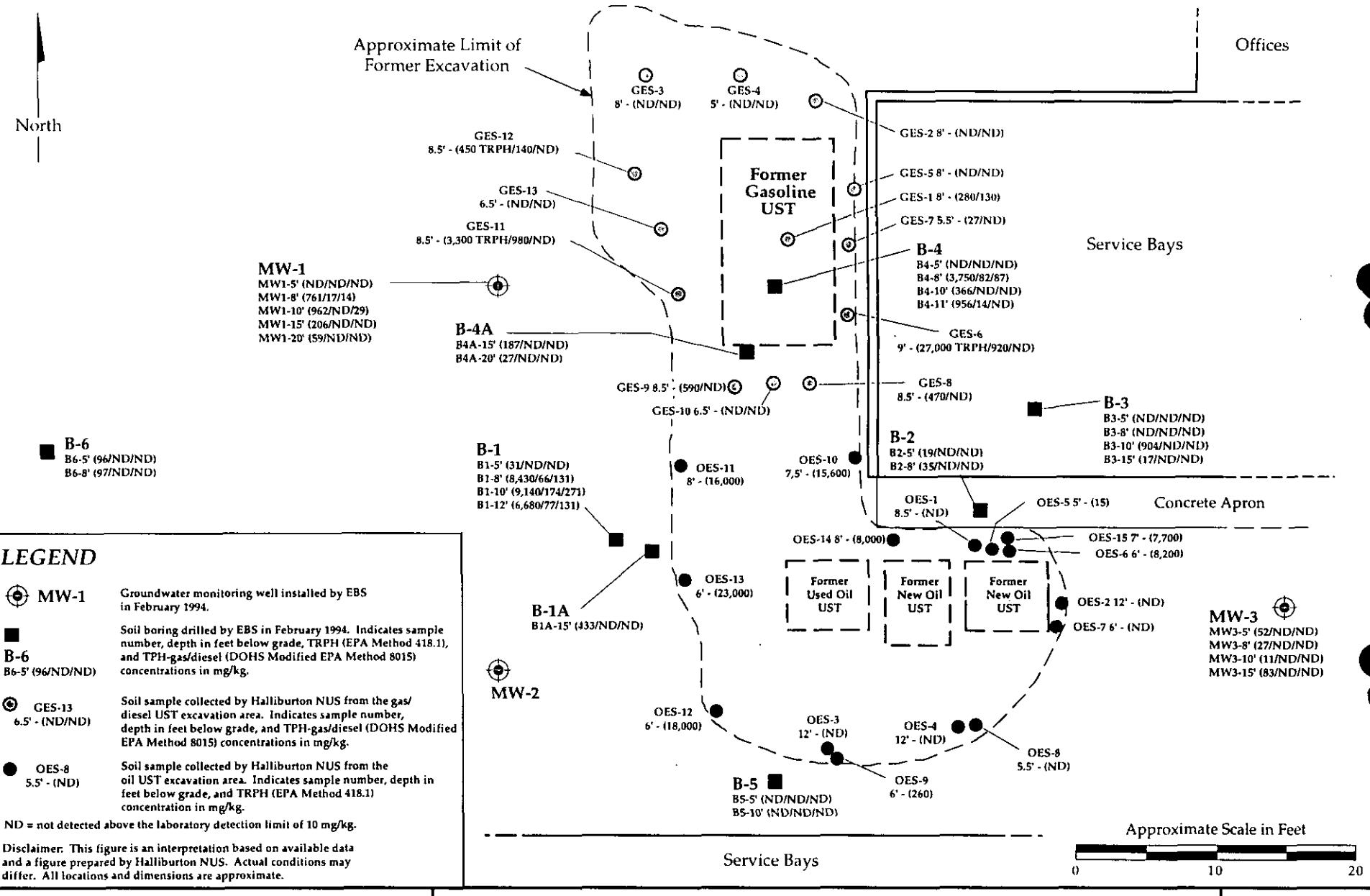
La Mesa, California

Project No.
93E1163.2

Figure 2



LEGEND

MW-1	Groundwater monitoring well installed by EBS in February 1994.
B-6 B6-5' (96/ND/ND)	Soil boring drilled by EBS in February 1994. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
GES-13 6.5' - (ND/ND)	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade, and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
OES-8 5.5' - (ND)	Soil sample collected by Halliburton NUS from the oil UST excavation area. Indicates sample number, depth in feet below grade, and TRPH (EPA Method 418.1) concentration in mg/kg.

ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

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Soil Sample Test Results Prior to November 1995

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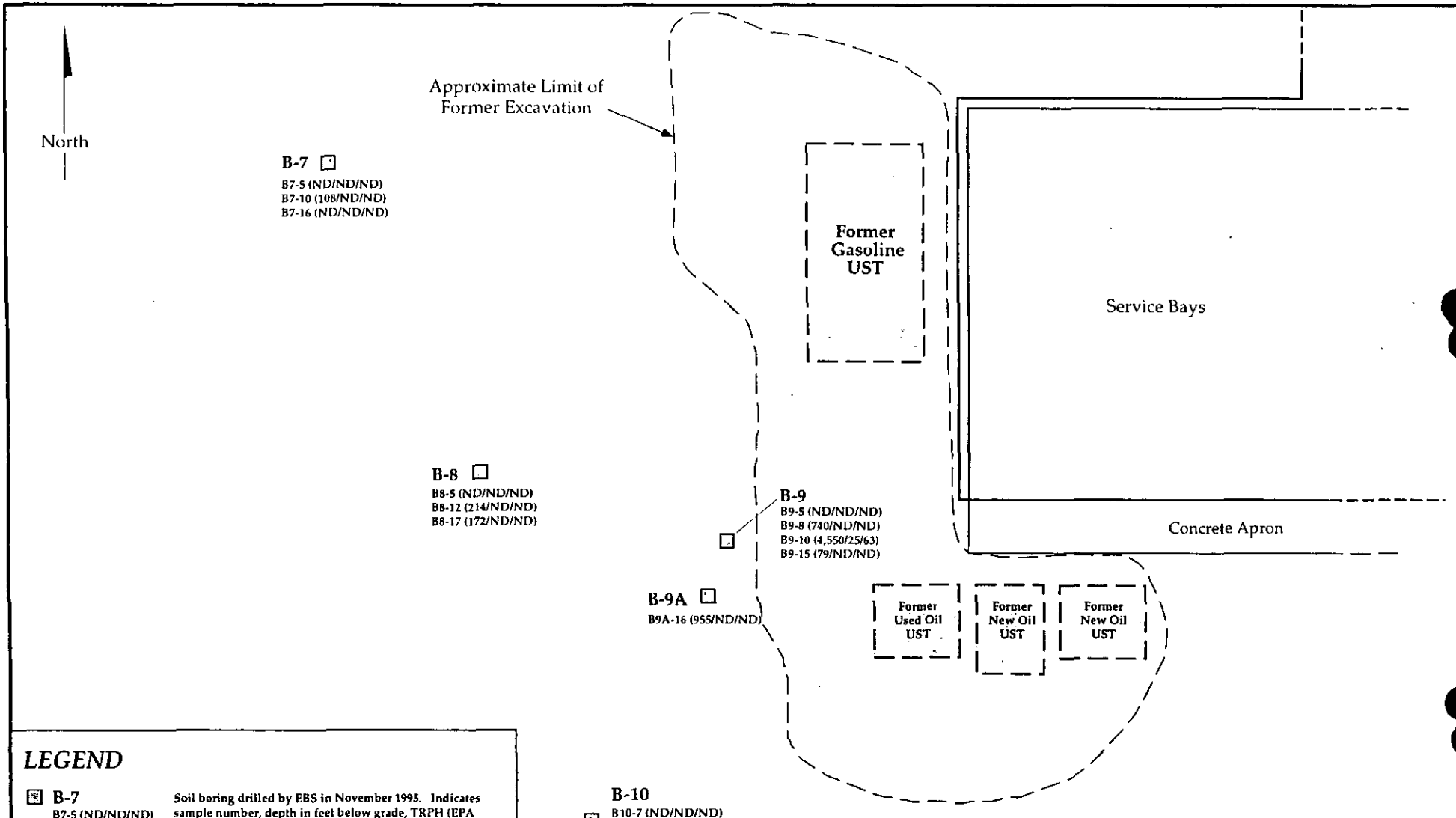
Figure 3



LEGEND

B-7
B7-5 (ND/ND/ND)
B7-10 (108/ND/ND)
B7-16 (ND/ND/ND)

Soil boring drilled by EBS in November 1995. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in milligrams per kilogram.

ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

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Soil Sample Test Results from November 1995

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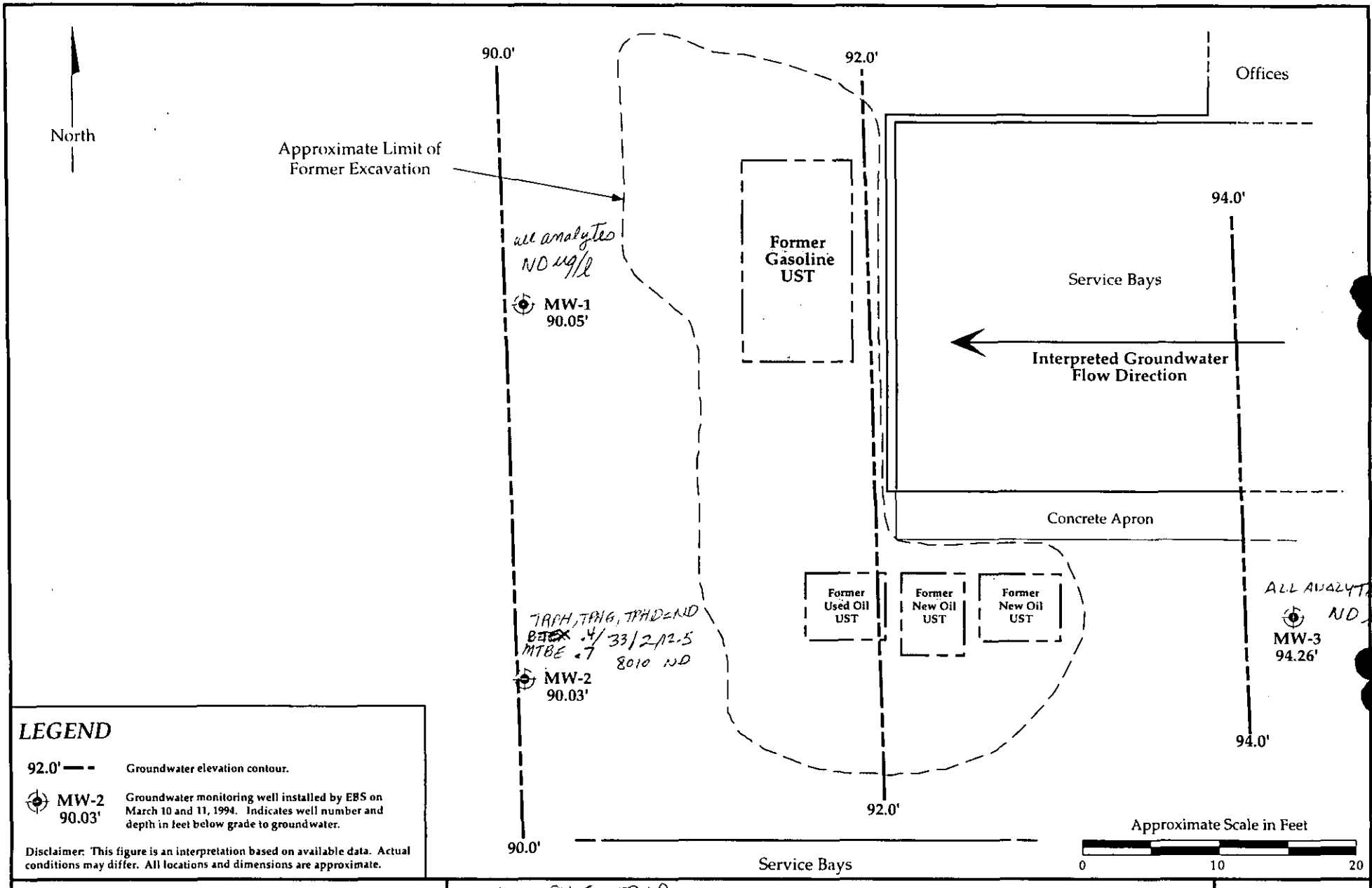
Figure 4



LEGEND

92.0' — - Groundwater elevation contour.

MW-2 90.03' Groundwater monitoring well installed by EBS on March 10 and 11, 1994. Indicates well number and depth in feet below grade to groundwater.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

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TRPH, TPHG, TPHD
BTEX, 8010, MTBE
11/28/95

Groundwater Gradient Map

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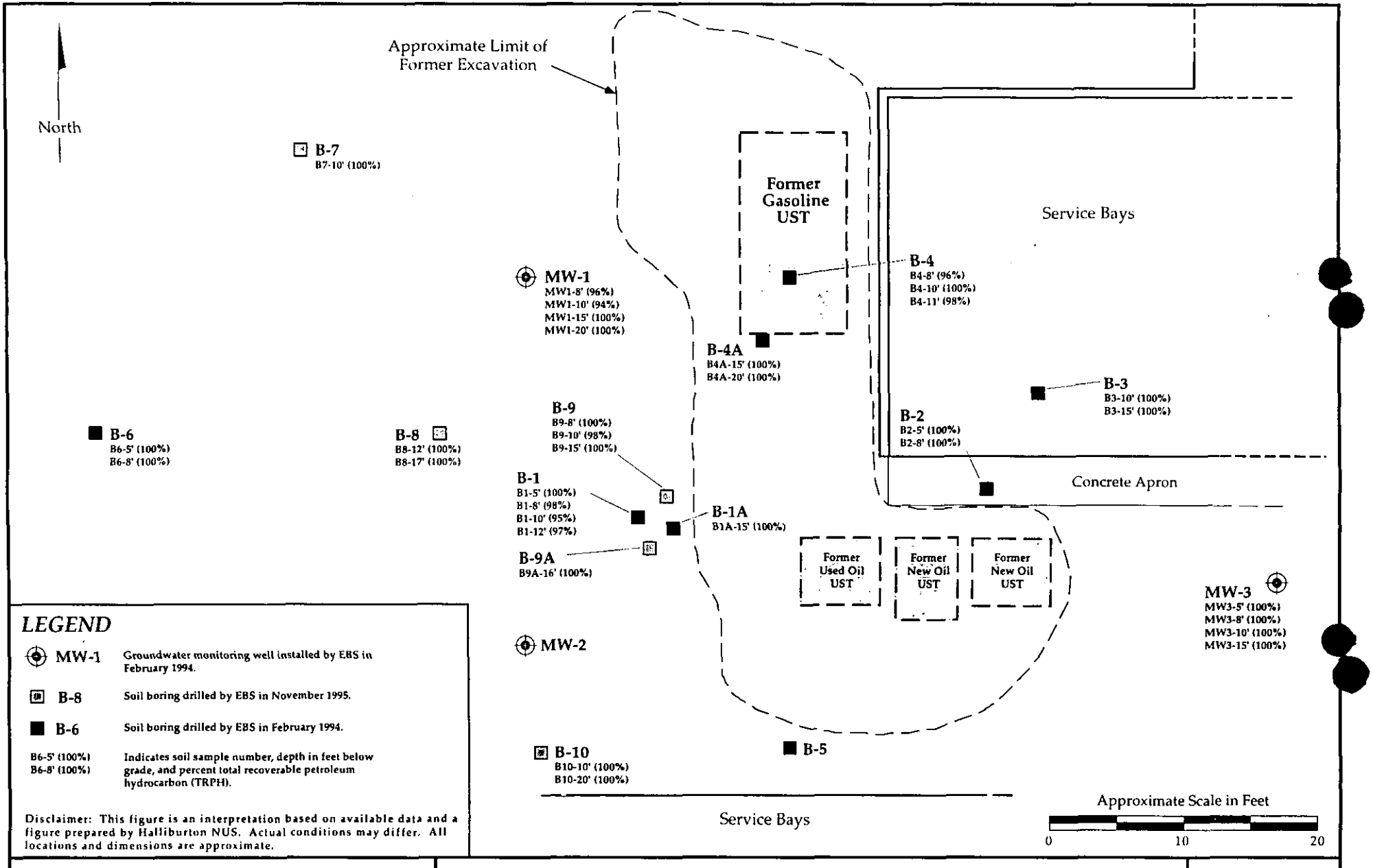
Figure 5



LEGEND

MW-1	Groundwater monitoring well installed by EBS in February 1994.
B-8	Soil boring drilled by EBS in November 1995.
B-6	Soil boring drilled by EBS in February 1994.
B6-5' (100%) B6-8' (100%)	Indicates soil sample number, depth in feet below grade, and percent total recoverable petroleum hydrocarbon (TRPH).

Disclaimer: This figure is an interpretation based on available data and a figure prepared by Halliburton NUS. Actual conditions may differ. All locations and dimensions are approximate.

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TRPH Percent of Reported TRPH/TPH Concentration of Soil Samples

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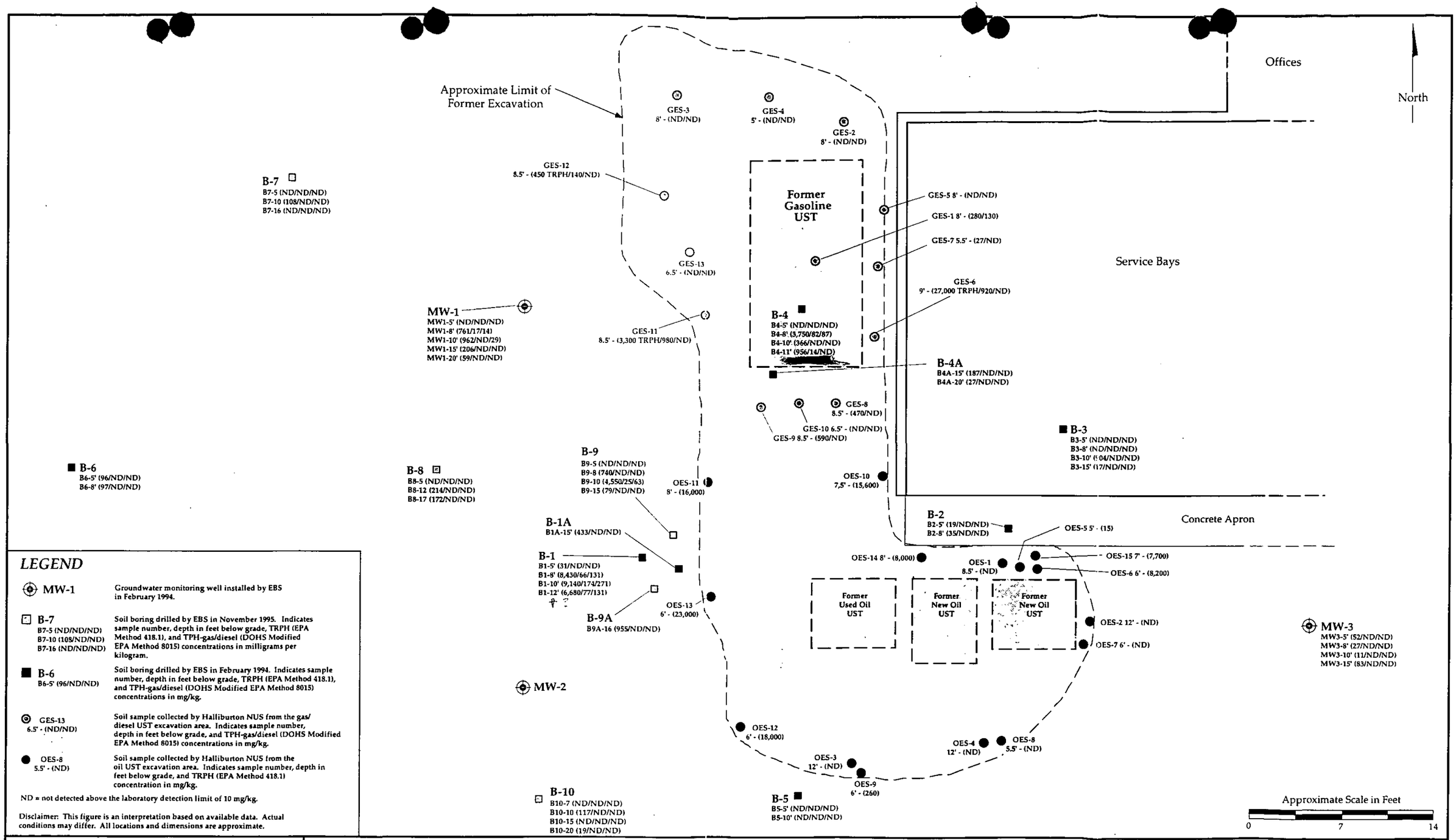
Figure 6



LEGEND

MW-1	Groundwater monitoring well installed by EBS in February 1994.
B-7 B7-5 (ND/ND/ND) B7-10 (108/ND/ND) B7-16 (ND/ND/ND)	Soil boring drilled by EBS in November 1995. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in milligrams per kilogram.
B-6 B6-5' (96/ND/ND)	Soil boring drilled by EBS in February 1994. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
GES-13 6.5' - (ND/ND)	Soil sample collected by Halliburton NUS from the gas/diesel UST excavation area. Indicates sample number, depth in feet below grade, and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in mg/kg.
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Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

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Soil Sample Analytical Results

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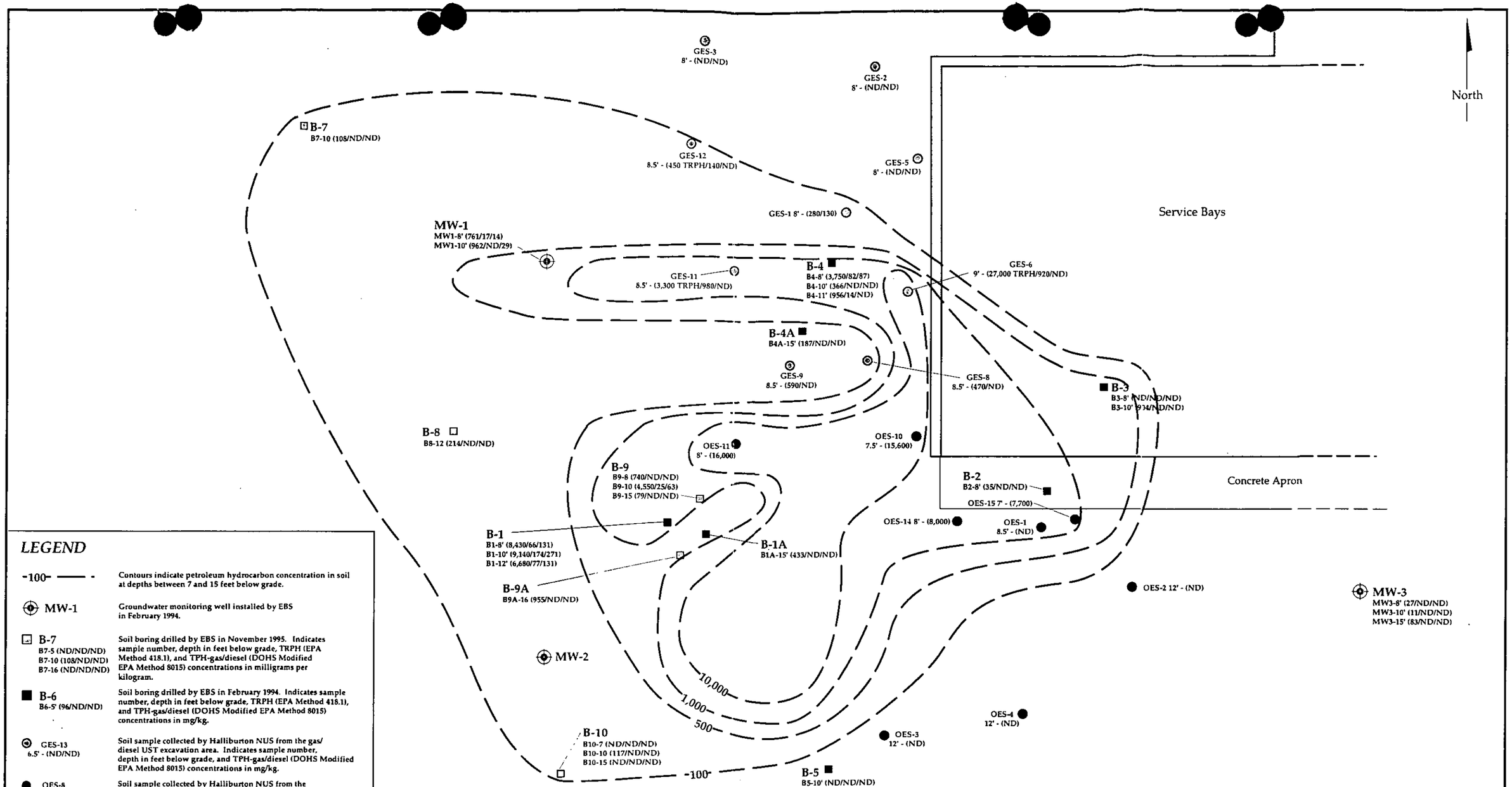
Project No.
94E1266.1

Figure 7



LEGEND

-100- ——— -	Contours indicate petroleum hydrocarbon concentration in soil at depths between 7 and 15 feet below grade.
⊕ MW-1	Groundwater monitoring well installed by EBS in February 1994.
□ B-7 B7-5 (ND/ND/ND) B7-10 (108/ND/ND) B7-16 (ND/ND/ND)	Soil boring drilled by EBS in November 1995. Indicates sample number, depth in feet below grade, TRPH (EPA Method 418.1), and TPH-gas/diesel (DOHS Modified EPA Method 8015) concentrations in milligrams per kilogram.
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ND = not detected above the laboratory detection limit of 10 mg/kg.

Disclaimer: This figure is an interpretation based on available data. Actual conditions may differ. All locations and dimensions are approximate.

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Inferred Distribution of Petroleum Hydrocarbon-bearing Soil
(Between Depths of Approximately 7 and 15 Feet Below Grade)

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Figure 8

TABLES

BTEX ? 8010 ? 8080 ?

TABLE 1

SOIL SAMPLE TEST RESULTS - GASOLINE UST EXCAVATION

SAMPLES COLLECTED BY HALLIBURTON NUS - MARCH 1992

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_G (mg/kg)	TPH_D (mg/kg)
NORTH WALL	GES-2	8	---	<10	<10
	GES-3	8	---	<10	<10
	GES-4	5	---	<10	<10
EAST WALL	GES-5	8	---	<10	<10
	GES-6	9	27,000	920	<10
	GES-7	5.5	---	27	<10
SOUTHERN EDGE	GES-8	8	---	470	<10
	GES-9	8.5	---	590	<10
	GES-10	10	---	<10	<10
WEST WALL	GES-11	8.5	3,300	980	<10
	GES-12	8.5	450	140	<10
	GES-13	4.5	---	10	<10
BOTTOM	GES-1	8	---	280	130

Notes:

1. Samples tested by Mobile One Laboratories, Inc. for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, and total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

2. --- = Not tested

3. All sample results are reported in milligrams per kilogram (mg/kg).

4. Data are reported by Halliburton in tables and text. Laboratory test reports were not available for review.

TABLE 2

SOIL SAMPLE TEST RESULTS - OIL UST AREA OF EXCAVATION

SAMPLES COLLECTED BY HALLIBURTON NUS - MARCH 1992

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)
NORTH WALL	OES-1	8.5	<10
	OES-5	5	15
	OES-6	6	8,200
	OES-10	7.5	15,600
	OES-14	8	8,000
	OES-15	7	7,200
EAST WALL	OES-2	12	<10
	OES-7	6	<10
SOUTH WALL	OES-3	8	<10
	OES-4	8	<10
	OES-8	5.5	<10
	OES-9	6	260
WEST WALL	OES-11	8	16,000
	OES-12	6	18,000
	OES-13	6	23,000

Notes:

1. Samples tested by Mobile One Laboratories, Inc., for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1.

2. All sample results are reported in milligrams per kilogram (mg/kg).

3. Data are reported by Halliburton in tables and text. Laboratory test reports were not available for review.

TABLE 3

SOIL SAMPLE TEST RESULTS
SOIL SAMPLES COLLECTED BY EBS ON FEBRUARY 10 AND 11, 1994

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
SOIL BORING B-1	B1-5′	5	31	<10	<10
	B1-8′	8	8,430	66	131
	B1-10′	10	9,140	174	271
	B1-12′	12	6,680	77	131
	B1A-15′	15	433	<10	<10
SOIL BORING B-2	B2-5′	5	19	<10	<10
	B2-8′	8	35	<10	<10
SOIL BORING B-3	B3-5′	5	<10	<10	<10
	B3-8′	8	<10	<10	<10
	B3-10′	10	904	<10	<10
	B3-15′	15	17	<10	<10
SOIL BORING B-4	B4-5′	5	<10	<10	<10
	B4-8′	8	3,750	82	87
	B4-10′	10	366	<10	<10
	B4-11′	11	956	14	<10
	B4A-15′	15	187	<10	<10
	B4A-20′	20	27	<10	<10
SOIL BORING B-5	B5-5′	5	<10	<10	<10
	B5-10′	10	<10	<10	<10
SOIL BORING B-6	B6-5′	5	96	<10	<10
	B6-8′	8	97	<10	<10

Notes:

1. Soil samples collected by EBS on Feburary 10 and 11, 1994, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_G) and as diesel (TPH_D) in general accordance with modified EPA Method 8015.

2. All sample results are reported in milligrams per kilogram (mg/kg).

TABLE 3 (CONTINUED)

SOIL SAMPLE TEST RESULTS
SOIL SAMPLES COLLECTED BY EBS ON FEBRUARY 10 AND 11, 1994

LOCATION	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
WELL MW-1	MW1-5'	5	<10	<10	<10
	MW1-8'	8	761	17	14
	MW1-10'	10	962	36	25
	MW1-15'	15	206	<10	<10
	MW1-20'	20	59	<10	<10
WELL MW-3	MW3-5'	5	52	<10	<10
	MW3-8'	8	27	<10	<10
	MW3-10'	10	11	<10	<10
	MW3-15'	15	83	<10	<10

Notes:

1. Soil samples collected by EBS on Feburary 10 and 11, 1994, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015.

2. All samples results are reported as milligrams per kilogram (mg/kg).

TABLE 4

GROUNDWATER SAMPLE TEST RESULTS
TRPH, TPH_g and TPH_d, BTEX and MTBE

WELL NUMBER	SAMPLE DATE	TRPH (µg/l)	TPH_g (µg/l)	TPH_d (µg/l)	B (µg/l)	T (µg/l)	E (µg/l)	X (µg/l)	MTBE (µg/l)
MW-1	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	410	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6
MW-2	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	1,000	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	32.9	2.0	12.5	0.7
MW-3	2/17/94	---	<500	<500	<0.5	<0.5	<0.5	<1.0	---
	3/28/95	950	<500	<500	<0.5	<0.5	<0.5	<1.0	<5.0
	11/28/95	<500	<500	<500	<0.5	<0.5	<0.5	<0.5	<0.6

12/05 -4 µg/l Benzene

Notes:

1. Samples were tested for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_g) and as diesel (TPH_d) in general accordance with modified EPA Method 8015, and for benzene (B), toluene (T) ,ethylbenzene (E), total xylenes (X), and methyl tertiary butyl ether (MTBE) in general accordance with EPA Method 8020.

2. --- = Sample not tested for corresponding constituent.

3. All sample results are reported in micrograms per liter (µg/l).

4. With the exception of the MTBE analysis, the groundwater samples collected in November 1995 were analyzed by TEG.

TABLE 5

GROUNDWATER MONITORING RESULTS

WELL NUMBER	DATE	DEPTH TO WATER	DEPTH TO PRODUCT	TOC-ELEV	ELEV-GW
MW-1	2/17/94	8.01	***	97.93	89.92
	3/28/95	7.65	***	97.93	90.28
	11/28/95	7.88	***	97.93	90.05
MW-2	2/17/94	8.71	***	98.53	89.82
	3/28/95	8.28	***	98.53	90.25
	11/28/95	8.50	***	98.53	90.03
MW-3	2/17/94	4.65	***	98.89	94.24
	3/28/95	4.56	***	98.89	94.33
	11/28/95	4.63	***	98.89	94.26

Notes:

1. All measurements in feet.

2. TOC-ELEV = Elevation of the top of casing in feet above mean sea level (msl). TOC-ELEV from survey performed by Hopwood Surveying on February 26, 1994.

3. ELEV-GW = Elevation of groundwater as measured in well in feet (msl).

4. *** = Product not encountered in well.

TABLE 6

SOIL SAMPLE TEST RESULTS

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS AND TOTAL PETROLEUM HYDROCARBONS

SOIL SAMPLES COLLECTED BY EBS ON NOVEMBER 28 AND 29, 1995

SOIL BORING	SAMPLE NUMBER	DEPTH (FEET)	TRPH (mg/kg)	TPH_g (mg/kg)	TPH_d (mg/kg)
B-7	B7-5	5	<10	<10	<10
	B7-10	10	108/123	<10	<10
	B7-16	16	<10	<10	<10
B-8	B8-5	5	<10	<10	<10
	B8-12	12	214	<10	<10
	B8-17	17	172	<10	<10
B-9	B9-5	5	<10	<10	<10
	B9-8	8	740	<10	<10
	B9-10	10	4,550	25	63
	B9-15	15	79	<10	<10
	B9A-16	16	955	<10	<10
B-10	B10-7	7	<10	<10	<10
	B10-10	10	117	<10	<10
	B10-15	15	<10	<10	<10
	B10-20	20	19	<10	<10

Notes:

1. Soil samples collected by EBS on November 28 and 29, 1995, and tested by Transglobal Environmental Geochemistry for total recoverable petroleum hydrocarbons (TRPH) in general accordance with EPA Method 418.1, total petroleum hydrocarbons as gasoline (TPH_G) and as diesel (TPH_D) in general accordance with modified EPA Method 8015.

2. *All samples results are reported in milligrams per kilogram (mg/kg).*

TABLE 7

SOIL SAMPLE TEST RESULTS

BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES

SOIL SAMPLES COLLECTED BY EBS ON NOVEMBER 28 AND 29, 1995

Sample Number	TRPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)
B7-10	108	<0.050	<0.050	<0.050	<0.050
B8-12	214	<0.050	0.110	<0.050	0.066
B9-10	4,550	<0.050	<0.050	<0.050	<0.050
B10-10	117	<0.050	<0.050	<0.050	<0.050

Notes:

1. TRPH = Total recoverable petroleum hydrocarbons in general accordance with EPA Method 418.1.

2, Benzene, toluene, ethylbenzene, and xylenes in general accordance with EPA Method 8020.

3. Laboratory analyses performed by Transglobal Environmental Geochemistry, Inc.

4. All samples results are reported in milligrams per kilogram (mg/kg).

TABLE 8

RATIO OF CONCENTRATIONS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS TO TOTAL PETROLEUM HYDROCARBONS

Sample No.	TRPH (mg/kg)	TPH (mg/kg)	% TRPH	Sample No.	TRPH (mg/kg)	TPH (mg/kg)	% TRPH
B1-5′	31	<10	100	MW1-8′	761	31	96
B1-8′	8,430	197	98	MW1-10′	962	61	94
B1-10′	9,140	445	95	MW1-15′	206	<10	100
B1-12′	6,680	208	97	MW1-20′	59	<10	100
B1A-15′	433	<10	100	MW3-5′	52	<10	100
B2-5′	19	<10	100	MW3-8′	27	<10	100
B2-8′	35	<10	100	MW3-10′	11	<10	100
B3-10′	904	<10	100	MW3-15′	83	<10	100
B3-15′	17	<10	100	B7-10	108	<10	100
B4-8′	3,750	169	96	B8-12	214	<10	100
B4-10′	366	<10	100	B8-17	172	<10	100
B4-11′	956	14	98	B9-8	740	<10	100
B4A-15′	187	<10	100	B9-10	4,550	88	98
B4A-20′	27	<10	100	B9-15	79	<10	100
B6-5′	96	<10	100	B9A-16	955	<10	100
B6-8′	97	<10	100	B10-10	117	<10	100
				B10-20	19	<10	100

99.15

NOTE:

1. Percent TRPH reflects the percentage of petroleum hydrocarbons with carbon chain lengths of C_{25} to C_{40}. The percentage was estimated as follows:

$$\frac{\text{TRPH concentration - TPH concentration}}{\text{TRPH concentration}} \times 100$$

WORKPLAN APPROVAL LETTER

County of San Diego

GARY R. STEPHANY
DIRECTOR

DANIEL J. AVERA
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

June 19, 1995

93GU63.1

RECEIVED
JUN 27 1995
Environmental Business Solutions, Inc.

Mr. James Buckner
La Mesa RV Center, Inc.
c/o Stephen L. Marsh, Esq.
Luce, Forward, Hamilton & Scripps
600 W. Broadway, Suite #2600
San Diego, CA 92101

Dear Mr. Buckner:

RE: UNAUTHORIZED RELEASE H02651-001
LA MESA RV CENTER, 7601 ALVARADO RD., LA MESA, CA 92041

This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the Quarterly Groundwater Monitoring Report for the First Quarter 1995 and Workplan Describing Additional Site Assessment Activities (Workplan) dated May 1, 1995.

The Workplan prepared by Environmental Business Solutions, Inc. proposes to drill four soil borings to provide additional information on the horizontal and vertical spread of petroleum hydrocarbon contamination.

The Workplan has been approved with the following changes or conditions:

The Workplan proposes to use a pre-existing boring (B4A) to provide confirmation of the vertical extent of contamination at B4. This is acceptable if the registered professional can demonstrate that the soil samples collected at B4A are representative, ie; soil classification at both locations is the same and soil sample collection protocol was appropriate for collecting the soil samples at B4A.

Please include EPA 8240 or EPA 8010 to the analyses required for the next groundwater monitoring. The 1995 SAM manual requires that the groundwater monitoring wells be screened, at least once, for the presence of volatile organic compounds.

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Division 20, Chapter 6.75, Article 6).

The need for further site characterization and mitigation actions will be determined following evaluation of the written report and consultation with the San Diego Regional Water Quality Control Board (RWQCB) .

If you have any questions, please call me at (619) 338-2257.

Sincerely,

Carol Spangenberg

CAROL SPANGENBERG, Hazardous Materials Specialist
Site Assessment and Mitigation Division

CS:lf

cc: John Odermatt, RWQCB
Steve W. Blanchard, Environmental Business Solutions, Inc.

WP\H02651D

Environmental Business Solutions, Inc.

BORING LOG

Number: B-7

Client: La Mesa R.V. Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	6"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TRPH/ (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.:	
			0				
			1			**Pavement:** Asphaltic concrete	
			2			**Top soil:** Dark gray brown silty sand, fine gravel, massive texture, *damp.*	
			3				
			4				
B7-5	ND	15	5	SM			
			6				
			7				
			8				
			9			**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			10				
B7-10	108	65	11	GW/ GM			
			12				
			13				
			14				
B7-15	No recovery	6/ 50-3"	15			No recovery at 15'.	
B7-16	ND	50-6"	16			**Alluvium:** Moderate yellow brown, silty sand with fine gravel.	
			17				
			18	SM			
			19				
			20				
B7-20	No recovery	50-1"	21			No recovery at 20' below 20' very dense, cemented.	
			22			Boring terminated at 21' below grade. Boring backfilled with bentonite slurry.	
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BORING LOG

Number: B-8

Client: La Mesa R.V. Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	6"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TRPH/ (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.)	
			0				
			1			**Pavement:** Asphaltic	
			2	SM		**Top soil:** Dark gray brown silty sand, fine gravel, massive texture, damp.	
			3				
			4				
B8-5	ND	38	5				
			6				
B8-8	No recovery	7/ 50-1"	7				
			8				
			9			**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			10			10' gravel layer	
			11				
B8-12	214	50/ 50-2"	12				
			13				
			14	GW/ GM			
B8-15	No recovery	50-3"	15				
			16			Below 18' gravel layer, very difficult drilling	
B8-17	172	100	17				
			18				
			19				
			20				
			21			Boring terminated at 20' below grade. Below 18' could not sample, due to gravels. Boring backfilled with bentonite slurry.	
			22				
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BORING LOG

Number: B-9

Client: La Mesa R.V. Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	6"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TRPH/(ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.:	
			0				
			1			**Pavement:** Asphaltic concrete	
			2			**Top soil:** Grey brown silty sand with fine gravel, massive texture.	
			3				
			4				
			5				
B9-5	ND	24	6	SM		At 5.5' color change to black.	
			7				
			8				
B9-8	740	39	9				
			10			At 10' color change to black.	
B9-10	4550	38	11	GW/ GM		**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			12				
			13				
			14				
			15				
B9-15	79	50-3"	16			Below 15' very difficult drilling.	
B9A-16	955	50-5"	17				
			18				
			19				
			20				
B9-20	No recovery	50-1"	21				
			22			This log is completion of soil borings B-9 and B-9A. Borings backfilled with bentonite slurry.	
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

Environmental Business Solutions, Inc.

BORING LOG

Number: B-10

Client: La Mesa R.V. Center, Inc.

Job No: 93E1163.2

Sheet: 1 of 1

EBS Reps: Barry S. Pulver

Location: 7601 Alvarado Road, La Mesa, California

Drilling Company/Driller: West Haz Mat

Date Drilled:	Date Drafted:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia.:	Surface Elevation:
11-28-95	12-12-95	CME 75 with Odex drilling system/ Split-Spoon Sampler	6"	N/A	N/A

SAMPLE LOG		BOREHOLE LOG					BACKFILL LOG
Sample Number	Lab Results TRPH/ (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton Formation, soil type, color, grain, minor soil component, moisture, density, odor, etc.	
			0				
			1			**Pavement:** Asphaltic concrete	
			2			**Top soil:** Grey brown silty sand with fine gravel, massive texture, damp.	
			3				
			4				
			5				
B10-5	No recovery	50-2"	6	SM			
B10-6	No recovery	50-3"	7			Between 5-7' gravel layer.	
B10-7	ND	55	8				
			9			**Alluvium:** Red brown gravel/ silty gravel, coarse gravel.	
			10				
B10-10	117	50-6"	11	GW/ GM			
			12				
			13				
			14				
			15			At 15'- increase in clay matrix.	
B10-15	ND	50-6"	16				
			17				
			18				
			19				
			20				
B10-20	19	50-6"	21				
			22			Boring terminated at 21' below grade. Boring backfilled with bentonite slurry.	
			23				
			24				
			25				
			26				
			27				

Logged by: Barry S. Pulver License #: CEG # 1364 Date: 12-12-95

Reviewed by: _____ License #: _____ Date: _____

LABORATORY REPORTS
T.E.G.

teg

RECEIVED
DEC 11 1995
Environmental Business Solutions, Inc.

December 5, 1995

Mr. Barry Pulver
Environmental Business Solutions, Inc.
8799 Balboa Avenue
Suite 290
San Diego, CA 92123

93E1163.2

SUBJECT: DATA REPORT - LA MESA RV - 7601 ALVARADO, LA MESA, CA - EBS PROJECT #93E1163.2

TEG Project #951128W1 & 951129-11

Mr. Pulver:

Please find enclosed a data report for the above referenced project. All samples were analyzed on-site in TEG's DOHS certified mobile laboratory (CERT #1745).

Project Summary

The following analyses were conducted:

- 15 soils and 3 waters for total petroleum hydrocarbons (TPH) by DOHS Modified EPA Method 8015
- 4 soils and 3 waters for volatile aromatic hydrocarbons (BTEX) by Modified EPA Method 8020
- 15 soils and 3 waters for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1

Samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Dee 11/28 RPD

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfilled quality control criteria.

TEG appreciates the opportunity to provide analytical services to Environmental Business Solutions on this project. If you have any questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Blayne Hartman

Dr. Blayne Hartman

432 NORTH CEDROS AVENUE • SOLANA BEACH, CA 92075 • 619-793-0401 • FAX 619-793-0404

teg

EBS PROJECT #93E1163.2
La Mesa RV
7601 Alvarado
La Mesa, CA

TEG Project #951128W1

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)	SURROGATE (%REC)
METHOD BLANK	11/28/95	ND	ND	ND	ND	ND	ND	ND	ND
B7-5	11/28/95	ND	ND	ND	--	--	--	--	--
B7-10	11/28/95	108	ND	ND	ND	ND	ND	ND	114%
B7-10 DUP	11/28/95	123	ND	ND	ND	ND	ND	ND	116%
B7-16	11/28/95	ND	ND	ND	--	--	--	--	--
B8-5	11/28/95	ND	ND	ND	--	--	--	--	--
B8-12	11/28/95	214	ND	ND	ND	0.110	ND	0.066	131%
B8-17	11/28/95	172	ND	ND	--	--	--	--	--
B10-7	11/28/95	ND	ND	ND	--	--	--	--	--
B10-10	11/28/95	117	ND	ND	ND	ND	ND	ND	101%
B10-15	11/28/95	ND	ND	ND	--	--	--	--	--
B10-20	11/28/95	19	ND	ND	--	--	--	--	--
DETECTION LIMITS		10	10	10	0.050	0.050	0.050	0.050	65%-135%

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Myriam Kadkhodayan
12/7/95

teg

H2O

EBS PROJECT #93E1163.2
La Mesa RV
7601 Alvarado
La Mesa, CA

TEG Project #951128W1

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF WATERS

SAMPLE NUMBER	DATE ANALYZED	TRPH (ug/l)	TPH-GAS C5-C11 (ug/l)	TPH-DIESEL C12-C24 (ug/l)	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYLBENZ (ug/l)	XYLENES (ug/l)
METHOD BLANK	11/28/95	ND	ND	ND	ND	ND	ND	ND
MW1	11/28/95	ND	ND	ND	ND	ND	ND	ND
MW2	11/28/95	ND	ND	ND	ND	32.9	2.0	12.5
MW2 DUP	11/28/95	ND	ND	ND	ND	28.9	1.4	11.0
MW3	11/28/95	ND	ND	ND	ND	ND	ND	ND
DETECTION LIMITS		500	500	500	0.5	0.5	0.5	0.5

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

12/7/95

teg

11/28/95

EBS PROJECT #93E1163.2
La Mesa RV
7601 Alvarado
La Mesa, CA

TEG Project #951129-11

TRPH (EPA Method 418.1), TPH (DOHS EPA Method 8015 Modified) & BTEX (EPA Method 8020 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)	TPH-GAS C5-C11 (mg/kg)	TPH-DIESEL C12-C24 (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)
METHOD BLANK	11/30/95	ND	ND	ND	ND	ND	ND	ND
B9-5'	11/30/95	ND	ND	ND	–	–	–	–
B9-8'	11/30/95	740	ND	ND	–	–	–	–
B9-10'	11/30/95	**4,550	25	*63	ND	ND	ND	ND
B9-15'	11/30/95	79	ND	ND	–	–	–	–
B9A-16'	11/30/95	955	ND	ND	–	–	–	–
B9-5' DUP	11/30/95	ND	ND	ND	–	–	–	–
DETECTION LIMITS		10	10	10	0.050	0.050	0.050	0.050

* ATYPICAL OF DIESEL FINGERPRINT
** INDICATES SAMPLE DILUTION
ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

teg

QA/QC REPORT - CALIBRATION DATA

TEG PROJECT #951129-11
DAILY CALIBRATION DATE : 11/30/95

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	11/6/95	0.645	4.1%	359	0.598	7.3%	345	0.575	10.9%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	11/6/95	0.757	2.4%	418	0.697	8.0%	421	0.702	7.3%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	11/6/95	0.657	3.0%	377	0.628	4.3%	344	0.573	12.7%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	11/6/95	0.271	1.6%	365	0.243	10.3%	354	0.236	13.0%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	11/6/95	0.299	7.1%	424	0.283	5.3%	428	0.285	4.4%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	11/6/95	0.278	5.6%	367	0.245	12.1%	387	0.258	7.3%
BENZENE	0.01 - 10	0.33 - 330	7/31/95	109.53	2.1%	326	108.54	0.9%	318	106.10	3.1%
TOLUENE	0.01 - 10	0.33 - 330	7/31/95	82.21	4.4%	275	91.69	11.5%	255	85.00	3.4%
ETHYLBENZENE	0.01 - 10	0.33 - 330	7/31/95	62.47	5.8%	192	63.92	2.3%	180	60.12	3.8%
m&p-XYLENES	0.01 - 10	0.33 - 330	7/31/95	74.98	7.0%	578	96.34	28.5%	533	88.78	18.4%
o-XYLENES	0.01 - 10	0.33 - 330	7/31/95	59.11	5.2%	196	65.46	10.7%	202	67.34	13.9%
TRPH	20 - 1,000	20 - 1,000	4/12/95	643.28	3.1%	0.783	638.57	0.7%	0.789	633.71	1.5%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95.

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 11/30/95

TEG Project #951129-11

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	556	111.2%	580	116.0%	4.2%	15%	75% - 110%
TPH GASOLINE	200	190	95.0%	190	95.0%	0.0%	15%	82% - 122%
TPH DIESEL	500	449	89.8%	467	93.4%	3.9%	15%	72% - 112%
BENZENE	1.000	1.022	102.2%	0.987	98.7%	3.5%	15%	77% - 109%
TOLUENE	1.000	0.998	99.8%	1.001	100.1%	0.3%	15%	75% - 112%
ETHYLBENZENE	1.000	0.952	95.2%	0.975	97.5%	2.4%	15%	74% - 110%
TOTAL XYLENES	3.000	3.507	116.9%	3.572	119.1%	1.8%	15%	81% - 109%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

teg

QA/QC REPORT - CALIBRATION DATA

TEG PROJECT #951128W1
DAILY CALIBRATION DATE : 11/28/95

	CALIBRATION RANGE		INITIAL	INITIAL		OPENING			CLOSING / LCS		
COMPOUND	SOIL (ppm)	WATER (ppb)	CALIB DATE	RF	%RSD	AREA	RF	%DIFF	AREA	RF	%DIFF
TPH GASOLINE - FID1	20 - 20000	660 - 660000	11/6/95	0.645	4.1%	344	0.573	11.2%	349	0.582	9.9%
TPH GASOLINE - FID2	20 - 20000	660 - 660000	11/6/95	0.757	2.4%	454	0.757	0.1%	420	0.700	7.5%
TPH GASOLINE - FID3	20 - 20000	660 - 660000	11/6/95	0.657	3.0%	407	0.678	3.3%	362	0.603	8.1%
TPH DIESEL - FID1	50 - 50000	1650 - 1650000	11/6/95	0.271	1.6%	349	0.233	14.3%	353	0.235	13.3%
TPH DIESEL - FID2	50 - 50000	1650 - 1650000	11/6/95	0.299	7.1%	459	0.306	2.5%	429	0.286	4.2%
TPH DIESEL - FID3	50 - 50000	1650 - 1650000	11/6/95	0.278	5.6%	383	0.255	8.2%	349	0.233	16.4%
BENZENE	0.01 - 10	0.33 - 330	7/31/95	109.53	2.1%	306	102.00	6.9%	299	99.50	9.2%
TOLUENE	0.01 - 10	0.33 - 330	7/31/95	82.21	4.4%	257	85.78	4.3%	248	82.76	0.7%
ETHYLBENZENE	0.01 - 10	0.33 - 330	7/31/95	62.47	5.8%	163	54.40	12.9%	169	56.30	9.9%
m&p-XYLENES	0.01 - 10	0.33 - 330	7/31/95	74.98	7.0%	517	86.20	15.0%	508	84.58	12.8%
o-XYLENES	0.01 - 10	0.33 - 330	7/31/95	59.11	5.2%	203	67.58	14.3%	176	58.52	1.0%
TRPH	20 - 1,000	20 - 1,000	4/12/95	643.28	3.1%	0.770	649.35	0.9%	0.772	647.67	0.7%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

teg

QA/QC REPORT - MS/MSD DATA

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

ANALYSIS DATE : 11/28/95
TEG Project #951128W1

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	540	108.0%	556	111.2%	2.9%	15%	75% - 110%
TPH GASOLINE	200	179	89.5%	201	100.5%	11.6%	15%	82% - 122%
TPH DIESEL	500	424	84.8%	491	98.2%	14.6%	15%	72% - 112%
BENZENE	1.000	0.936	93.6%	1.025	102.5%	9.1%	15%	77% - 109%
TOLUENE	1.000	0.991	99.1%	1.114	111.4%	11.7%	15%	75% - 112%
ETHYLBENZENE	1.000	0.817	81.7%	0.998	99.8%	19.9%	15%	74% - 110%
TOTAL XYLENES	3.000	3.045	101.5%	3.527	117.6%	14.7%	15%	81% - 109%

MATRIX SPIKE (MS)/MATRIX SPIKE DUPLICATE (MSD) FOR WATERS

ANALYSIS DATE : 11/28/95
TEG Project #951128W1

COMPOUND	SPK CONC (ug/L)	MS CONC (ug/L)	%REC MS	MSD CONC (ug/L)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE %MS
TRPH	5,000	5,210	104.2%	5,983	119.7%	13.8%	15%	75% - 110%
TPH GASOLINE	2,000	2,207	110.4%	2,124	106.2%	3.8%	15%	63% - 117%
TPH DIESEL	5,000	6,173	123.5%	5,796	115.9%	6.3%	15%	61% - 111%
BENZENE	10.0	11.0	110.0%	10.9	109.0%	0.9%	15%	63% - 108%
TOLUENE	10.0	10.9	109.0%	11.1	111.0%	1.8%	15%	62% - 90%
ETHYLBENZENE	10.0	9.1	91.0%	9.4	94.0%	3.2%	15%	65% - 106%
TOTAL XYLENES	30.0	30.0	100.0%	31.5	105.0%	4.9%	15%	64% - 103%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

ANALYSES PERFORMED IN TEG'S CA DOHS CERTIFIED MOBILE LABORATORY (CERT #1745)
ANALYSES PERFORMED BY: MS. WINA SEISS
DATA REVIEWED BY: DR. MIRYAM KADKHODAYAN

Miryam Kadkhodayan
12/7/95

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

CHAIN-OF-CUSTODY RECORD

P.O. #: _____

CLIENT: EAS

ADDRESS: 8799 Balboa Ave Ste. 290

PHONE: 571-9900 FAX: 571-9357

CLIENT PROJECT #: 93E1163.2 PROJECT MANAGER: B. Pulver

DATE: 11-28-95 PAGE 01 OF 01

TEG PROJECT #: 9511284W1

LOCATION: 7601 Alvarado La Mesa

COLLECTOR: B. Pulver DATE OF COLLECTION: 11-28

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Lab No.
B7-5	5'		SOIL	4oz jar				X		X											1	
B7-10	10'				X			X		X											1	
B7-16	16'			Brass tube				X		X											1	
B8-5	5'							X		X											1	
B8-12	12'			4 oz jar	X			X		X											1	
B8-17	17'			4 oz jar				X		X											1	
MW2		2:45pm	AQ	40mL VOA	X			X		X											6	
MW3		3:20pm	AQ	40mL VOA	X			X		X											6	
B10-7	7		SOIL	Brass tube				X		X											1	
B10-10	10			4oz jar	X			X		X											1	
MW1		3:45	AQ	40mL VOA	X			X		X											6	
B10-15	15		SOIL	Brass tube				X		X											1	
B10-20	20		"	"				X		X											1	

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature) DATE/TIME

RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature) 11-28-95 1700 DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS

X TEG DISPOSAL @ $2.00 each ( ) Return ( ) Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	28
CHAIN OF CUSTODY SEALS Y/N/NA	NA
SEALS INTACT? Y/N/NA	NA
RECEIVED GOOD COND./COLD	GC
NOTES:	

LABORATORY NOTES:

Hold All Samples

teg

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY, INC.

CHAIN-OF-CUSTODY RECORD

CLIENT: GES

ADDRESS: 8799 Balboa Ave Ste 290 San Diego CA 92123

PHONE: 571-5500 FAX: 571-5357

CLIENT PROJECT #: 735116 3.2 PROJECT MANAGER: Barry Fuller

DATE: 11-29-95 PAGE 1 OF 1

TEG PROJECT #: 5112911 / 111301

LOCATION: La Mesa RV

COLLECTOR: Chris Spencer DATE OF COLLECTION: 11/29/95

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	FIELD NOTES	Total Number Of Containers	Lab Number
B9-5'	5'		Soil	Brass Tube					X			X										
B9-8'	8'		↓	↓					X			X										
B9-10'	10'								X			X								High TPH also analyze for BTEX EPA 8020		
B9-15'	15'								X			X										
B911-16'	16'								X			X										
																				Call BSP re: Additional Analysis from 11/21 - 11/29 Samples		
																				Modified 7		

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
	11/29/95 1345	Jason H. Coats	11/29/95 1346
Jason H. Coats	11/29/95 1416		11/29/95 14:16

SAMPLE DISPOSAL INSTRUCTIONS

☒ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	5
CHAIN OF CUSTODY SEALS Y/N/NA	
SEALS INTACT? Y/N/NA	
RECEIVED GOOD COND./COLD	
NOTES:	

LABORATORY NOTES:
B9A-16' is mostly gravel + crushed gravel please attempt to get soil off of gravel for analysis

LABORATORY REPORTS
GEOTEST

92E1163.2

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

RECEIVED
DEC 18 1995
Environmental Business Solutions, Inc.

LABORATORY REPORT

ENVIRONMENTAL BUSINESS SOLUTIONS, INC.
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

REPORT TO:	BARRY PULVER	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PROJECT NAME:	LA MESA RV		
SITE LOCATION:	7601 ALVARADO ROAD LA MESA, CA		

GEOTEST is pleased to provide you with analytical data for your above referenced project. The sample was collected on 12/04/95 and received intact and cool on 12/06/95. In accordance with the chain of custody, the sample was analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
CCR Metals	2-3

REVIEWED AND APPROVED: [signature]
FOR Dr. Louis Sangermano, Laboratory Director

REPORT DATE: 13DEC95

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3050		
DATE PREPARED:	12/12/95	MATRIX:	SOIL

ANALYSIS OF CCR TITLE 22/26 TTLC METALS

SAMPLE ID:		B9-10	DETECTION LIMIT
UNITS:		mg/Kg	mg/Kg
DATE ANALYZED:		12/12/95	
ELEMENTS	**EPA METHOD #**		
Antimony (Sb)	6010	ND	5.0
Arsenic (As)	6010	ND	5.0
Barium (Ba)	6010	22	10
Beryllium (Be)	6010	ND	0.5
Cadmium (Cd)	6010	ND	0.5
Chromium (Cr)	6010	1.7	0.5
Cobalt (Co)	6010	ND	1.0
Copper (Cu)	6010	26	2.5
Lead (Pb)	6010	26	1.0
Molybdenum (Mo)	6010	ND	2.5
Nickel (Ni)	6010	0.7	0.5
Selenium (Se)	6010	ND	2.5
Silver (Ag)	6010	ND	0.5
Thallium (Tl)	6010	ND	5.0
Vanadium (V)	6010	15	0.5
Zinc (Zn)	6010	57	10

SAMPLE ID:		B9-10	DETECTION LIMIT
UNITS:		mg/Kg	mg/Kg
DATE PREPARED:		12/06/95	
DATE ANALYZED:		12/06/95	
ELEMENT	**EPA METHOD #**		
Mercury (Hg)	7471	ND	0.001

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST:	SC	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	3050		
DATE PREPARED:	12/12/95	MATRIX:	SOIL

ANALYSIS OF CCR TITLE 22/26 TTLC METALS

SAMPLE ID:		ICV	LCS	MATRIX SPIKE	MATRIX SPK. DUPLICATE	RPD	METHOD BLANK	DETECTION LIMIT
UNITS:		%	%	%	%	%	mg/Kg	mg/Kg
DATE ANALYZED:		12/12/95	12/12/95	12/12/95	12/12/95		12/12/95	
ELEMENTS	**EPA METHOD #**							
Antimony (Sb)	6010	97	84	84	86	2.4	ND	5.0
Arsenic (As)	6010	99	84	84	87	3.5	ND	5.0
Barium (Ba)	6010	100	90	90	89	1.1	ND	10
Beryllium (Be)	6010	98	82	82	85	3.6	ND	0.5
Cadmium (Cd)	6010	97	82	82	85	3.6	ND	0.5
Chromium (Cr)	6010	96	84	84	87	3.5	ND	0.5
Cobalt (Co)	6010	96	83	83	86	3.6	ND	1.0
Copper (Cu)	6010	97	84	84	87	3.5	ND	2.5
Lead (Pb)	6010	96	82	82	85	3.6	ND	1.0
Molybdenum (Mo)	6010	97	86	86	88	2.3	ND	2.5
Nickel (Ni)	6010	96	82	82	84	2.4	ND	0.5
Selenium (Se)	6010	99	83	83	87	4.7	ND	2.5
Silver (Ag)	6010	102	88	88	91	3.4	ND	0.5
Thallium (Tl)	6010	96	84	84	88	4.7	ND	5.0
Vanadium (V)	6010	97	85	85	88	3.5	ND	0.5
Zinc (Zn)	6010	95	87	87	85	2.3	ND	10
Acceptable Range (%) :		90-110	70-130	70-130	70-130	0-25		

SAMPLE ID:		ICV	LCS	MATRIX SPIKE	MATRIX SPK. DUPLICATE	RPD	METHOD BLANK	DETECTION LIMIT
UNITS:		%	%	%	%	%	mg/Kg	mg/Kg
DATE PREPARED:		12/06/95	12/06/95	12/06/95	12/06/95	12/06/95		
DATE ANALYZED:		12/06/95	12/06/95	12/06/95	12/06/95	12/06/95		
ELEMENT	**EPA METHOD #**							
Mercury (Hg)	7471	98	94	92	92	0	ND	0.001
Acceptable Range (%) :		90-110	70-130	70-130	70-130	0-25		

ICV - Internal Calibration Verification
LCS - Laboratory Control Standard
RPD - Relative Percent Difference

TRANSGLOBAL ENVIRONMENTAL GEOCHEMISTRY

961138-03 / 9502A

CHAIN-OF-CUSTODY RECORD

P.O. #: _____

9512010

CLIENT: Environmental Business Solutions
ADDRESS: 8799 Balboa Ave, ste 290, San Diego, CA. 92123
PHONE: (619) 571-5500 FAX: (619) 571-5357
CLIENT PROJECT #: 93E1163.2 PROJECT MANAGER: Barry Pulver

DATE: 12-4-95 PAGE 1 OF 1
TEG PROJECT #: 951129-11 / 950843.02
LOCATION: La Mesa RV
COLLECTOR: Chris Spengler DATE OF COLLECTION: 11-29-95

Sample Number	Depth	Time	Sample Type	Container Type	ANALYSES: VOA 601/8010	VOA 602/8020	VOA 624/8240	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	Title 22 metals	FIELD NOTES	Total Number Of Containers	Lab Number
B9-10	10		Soil	brass tube															X			1	

RELINQUISHED BY: (Signature) [signature] DATE/TIME 12-4-95 1300
RECEIVED BY: (Signature) FED-EX DATE/TIME 12/6/95 1000
RELINQUISHED BY: (Signature) FED-EX DATE/TIME 12/6/95 1000
RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS
X DISPOSAL @ $2.00 each [ ] Return [ ] Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	1
CHAIN OF CUSTODY SEALS Y/N/NA	Y
SEALS INTACT? Y/N/NA	Y
RECEIVED GOOD COND./COLD	Y
NOTES:	

LABORATORY NOTES:

T = 13°C

93E1163.2

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

RECEIVED
DEC 11 1995
Environmental Business Solutions, Inc.

LABORATORY REPORT

ENVIRONMENTAL BUSINESS SOLUTIONS, INC.
8799 BALBOA AVENUE, SUITE 290
SAN DIEGO, CA 92123

REPORT TO: BARRY PULVER

GEOTEST PROJECT NO.: 961138-03
CLIENT ID: 93E1163.2

PROJECT NAME: LA MESA RV
SITE LOCATION: 7601 ALVARADO ROAD
LA MESA, CA

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 11/28/95 and received intact and cool on 11/30/95. In accordance with the chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
8010/8020	2-3
MTBE	4-5

REVIEWED AND APPROVED: Louis Sangermano
Dr. Louis Sangermano, Laboratory Director

REPORT DATE: 12/7/95

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	RG	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	12/05/95	MATRIX:	WATER

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/ELCD/PID
EPA METHOD 8010/8020

SAMPLE ID:	MW1	MW2	MW3	DETECTION LIMIT
UNITS:	µg/L	µg/L	µg/L	µg/L
DATE ANALYZED:	12/05/95	12/05/95	12/05/95	
COMPOUNDS				
Dichlorodifluoromethane	ND	ND	ND	2.0
Chloromethane	ND	ND	ND	2.0
Vinyl chloride	ND	ND	ND	2.0
Bromomethane	ND	ND	ND	2.0
Chloroethane	ND	ND	ND	2.0
Trichlorofluoromethane	ND	ND	ND	2.0
1,1-Dichloroethene	ND	ND	ND	1.0
Methylene chloride	ND	ND	ND	5.0
trans-1,2-Dichloroethene	ND	ND	ND	1.0
1,1-Dichloroethane	ND	ND	ND	1.0
cis-1,2-Dichloroethene	ND	ND	ND	1.0
Chloroform	ND	ND	ND	1.0
1,1,1-Trichloroethane	ND	ND	ND	1.0
Carbon tetrachloride	ND	ND	ND	1.0
1,2-Dichloroethane	ND	ND	ND	1.0
Trichloroethene	ND	ND	ND	1.0
1,2-Dichloropropane	ND	ND	ND	1.0
Bromodichloromethane	ND	ND	ND	1.0
cis-1,3-Dichloropropene	ND	ND	ND	1.0
trans-1,3-Dichloropropene	ND	ND	ND	1.0
1,1,2-Trichloroethane	ND	ND	ND	1.0
Tetrachloroethene	ND	ND	ND	1.0
Dibromochloromethane	ND	ND	ND	1.0
Chlorobenzene	ND	ND	ND	1.0
1,1,1,2-Tetrachloroethane	ND	ND	ND	1.0
Bromoform	ND	ND	ND	1.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	1.0
1,3-Dichlorobenzene	ND	ND	ND	1.0
1,4-Dichlorobenzene	ND	ND	ND	1.0
1,2-Dichlorobenzene	ND	ND	ND	1.0
Benzene	ND	0.4	ND	0.3
Toluene	ND	ND	ND	0.3
Ethylbenzene	ND	ND	ND	0.6
m,p - Xylenes	ND	ND	ND	0.6
o - Xylene	ND	ND	ND	0.6
Surrogate Recovery (%) :	99	124	108	
Acceptable Range (%):	70-130	70-130	70-130	

Surrogate : 1,4-Dichlorobutane

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST:	RG	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	12/05/95	MATRIX:	WATER

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/ELCD/PID
EPA METHOD 8010/8020

SAMPLE ID:	METHOD BLANK	LCS	MATRIX SPIKE	MATRIX SPK. DUPLICATE	RPD	DETECTION LIMIT
UNITS:	µg/L	%	%	%	%	µg/L
DATE ANALYZED:	12/05/95	12/05/95	12/05/95	12/05/95		
COMPOUNDS						
Dichlorodifluoromethane	ND					2.0
Chloromethane	ND					2.0
Vinyl chloride	ND					2.0
Bromomethane	ND					2.0
Chloroethane	ND					2.0
Trichlorofluoromethane	ND					2.0
1,1-Dichloroethene	ND	97	100	80	22	1.0
Methylene chloride	ND					5.0
trans-1,2-Dichloroethene	ND	107	108	91	17	1.0
1,1-Dichloroethane	ND	108	107	91	16	1.0
cis-1,2-Dichloroethene	ND	110	112	95	16	1.0
Chloroform	ND					1.0
1,1,1-Trichloroethane	ND	118	112	97	14	1.0
Carbon tetrachloride	ND					1.0
1,2-Dichloroethane	ND	97	95	85	11	1.0
Trichloroethene	ND					1.0
1,2-Dichloropropane	ND					1.0
Bromodichloromethane	ND					1.0
cis-1,3-Dichloropropene	ND					1.0
trans-1,3-Dichloropropene	ND					1.0
1,1,2-Trichloroethane	ND	104	99	91	8.4	1.0
Tetrachloroethene	ND	115	112	95	16	1.0
Dibromochloromethane	ND					1.0
Chlorobenzene	ND					1.0
1,1,1,2-Tetrachloroethane	ND					1.0
Bromoform	ND					1.0
1,1,2,2-Tetrachloroethane	ND					1.0
1,3-Dichlorobenzene	ND					1.0
1,4-Dichlorobenzene	ND					1.0
1,2-Dichlorobenzene	ND					1.0
Benzene	ND	99	98	101	3.0	0.3
Toluene	ND	98	94	97	3.1	0.3
Ethylbenzene	ND					0.6
m,p - Xylenes	ND	100	99	100	1.0	0.6
o - Xylene	ND	102	91	97	6.4	0.6
Acceptable Range (%) :		80-120	70-130	70-130	0-25	

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	EM	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	12/05/95	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID
MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	SURROGATE RECOVERY
UNITS:		µg/L	%
DETECTION LIMITS:		0.6	
SAMPLE ID	DATE ANALYZED		
METHOD BLANK	12/05/95	ND	100
MW1	12/05/95	ND	101
MW2	12/05/95	0.7	100
MW3	12/05/95	ND	103

Surrogate : a,a,a-Trifluorotoluene **Acceptable Range (%) :** 70-130

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST :	EM	GEOTEST PROJECT NO.:	961138-03
		CLIENT ID:	93E1163.2
PREP. METHOD:	5030		
DATE PREPARED:	12/05/95	MATRIX:	WATER

ANALYSIS OF METHYL-t-BUTYL ETHER BY GAS CHROMATOGRAPHY/PID
MTBE BY EPA METHOD 8020

COMPONENT:		MTBE	ACCEPTABLE RANGE
RECOVERY UNITS:		%	%
SAMPLE ID	DATE ANALYZED		
LCS	12/05/95	93	80-120
MATRIX SPIKE	12/05/95	109	70-130
MATRIX SPIKE DUPLICATE	12/05/95	115	70-130
RPD		5.4	0-25

11/24

LCS - Laboratory Control Standard

RPD - Relative Percent Difference

GEOTEST
3960 E. Gilman Street
Long Beach, 90815
Telephone: (310) 498-9515 (800) 624-5744
Fax: (310) 597-0786

95107

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 961138-03/9572A
DATE 11-29-95 PAGE 1 OF 1

PROJECT NAME La Mesa RV
ADDRESS 7601 Alvarado Road, La Mesa, CA
SAMPLER'S SIGNATURE [signature]
PRINTED NAME Christopher S. Spengler
CLIENT PROJECT NO. 93E1163.2
PROJECT MANAGER Barry Pulver

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	HVOCs 8010	MTBE 8020					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
MW1	11-28-95	3:45 pm	MW1					X	X					W	√Voa	6	
MW2	11-28-95	2:45 pm	MW2					X	X					W	√Voa	6	1 Voa broke during delivery
MW3	11-28-95	3:20 pm	MW3					X	X					W	√Voa	6	
																	TEC

	RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
1	SIGNATURE [signature]	11/29/95	4:42 pm	3 SIGNATURE		
	PRINTED NAME CHRIS SPENGLER			PRINTED NAME		
	COMPANY EBS			COMPANY		
2	SIGNATURE FED-EX	11/30/95		4 SIGNATURE		
	PRINTED NAME			PRINTED NAME		
	COMPANY		4:42 PM	COMPANY		
5	RELINQUISHED BY SIGNATURE FED-EX	11/30/95	1000			
6	RECEIVED BY (LAB) SIGNATURE Michele Herring	11/30/95				
	PRINTED NAME Michele Herring					
	COMPANY GEOTEST		1000			

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS
MTBE = methyl tertiary-butyl ether

WELL PURGING LOGS

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93611.2	Well No.: MW-1
Site Address: 7601 Alvarado Rd	Date: 11/27/95	By: CS

PURGING DATA

DTW: 7.88	Casing Dia.: 4"	Time purging started: 12:59	Vol. purged: 8 g
DTB: 15.00	Borehole Dia.: 8"	Time purging ended: 1:08	Measured by: bucket
SZ: 7.12	Depth to screen: 5'	Purging method: bailer	DTW_p: 14.76

Borehole volume: BV = SZ x f = 7.12 x 1.5 = 10.68 gallons x 3 = _____ gallons

$DTW_{.8} = DTW_p - [(DTW_p - DTW) \times 0.8] = 14.76 - [(14.76 - 7.88) \times 0.8] = 9.26$

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
1:08	0	14.76		after purging
3:35	207	13.55	NO	sample
				slow recharging

SAMPLING DATA

Sample No.	Date:	Time:
Lab:	COC #:	How delivered:
Vials:	Preservation:	Tests:

Notes:
DTW = Depth to water
DTW = Depth to bottom
DTW_p = DTW after purging
SZ = Saturated volume
$DTW_{.80}$ = DTW at 80% recharge
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: 1.5

WELL NO. MW-1

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93E1163.2	Well No.: MW-2
Site Address: 7601 Alvarado Rd	Date: 11/27/95	By: CS

PURGING DATA

DTW: 9.50	Casing Dia.: 4"	Time purging started: 11:01	Vol. purged: 8.5
DTB: 15.00	Borehole Dia.: 8"	Time purging ended: 11:25	Measured by: bucket
SZ: 6.5	Depth to screen: 5'	Purging method: bailer	DTW_p: 14.95

Borehole volume: BV = SZ x f = 6.5 x 1.5 = 9.75 gallons x 3 = 29.25 gallons

DTW_{80} = DTW_p - [(DTW_p - DTW) x 0.8] = 14.95 - [(14.95 - 8.5) x 0.8] = 9.79

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
11:25	0	14.95		a/te purging
2:25	180	13.87	NO	sample

SAMPLING DATA

Sample No.	Date:	Time:
Lab:	COC #:	How delivered:
Vials:	Preservation:	Tests:

Notes:
DTW = Depth to water
DTW = Depth to bottom
DTW_p = DTW after purging
SZ = Saturated volume
DTW_{80} = DTW at 80% recharge
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: 1.5

WELL NO. MW-2

WELL PURGING/SAMPLING LOG

Job Name: La Mesa RV	Job No.: 93E1163.2	Well No.: MW-3
Site Address: 7601 Alvarado Rd	Date: 11/27/96	By: CS

PURGING DATA

DTW: 4.63	Casing Dia.: 4"	Time purging started: 11.55	Vol. purged: 12g
DTB: 15	Borehole Dia.: 8"	Time purging ended: 12.07	Measured by: bucket
SZ: 10.37	Depth to screen: 5'	Purging method: bailer	DTW_p: 14.62

Borehole volume: BV = SZ x f = 10.37 x 1.5 = 15.6 gallons x 3 = _____ gallons

$DTW_{.8}$ = DTW_p - [(DTW_p - DTW) x 0.8] = 14.62 - [(14.62 - 4.63) x 0.8] = 6.63

RECOVERY DATA

TIME	Δ t (min.)	DTW (ft.)	80%	COMMENTS
12:07	0	14.62		after purging
3:05	177	13.01	NO	SAMPLE

SAMPLING DATA

Sample No.	Date:	Time:
Lab:	COC #:	How delivered:
Vials:	Preservation:	Tests:

Notes:
DTW = Depth to water DTW_p = DTW after purging $DTW_{.80}$ = DTW at 80% recharge
DTW = Depth to bottom SZ = Saturated volume
f values: 2" casing/6" borehole: 0.5; 4"casing/8" borehole: 1.5

WELL NO. MW-3

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101

DIVISION OF ENVIRONMENTAL HEALTH PROTECTION
HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

C.2694
H12687

DATE: 10/2/87

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Unit (HMMU)

SUBJECT: UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T# 0772

Evidence of an unauthorized release of a hazardous material has been noted by HMMU staff at the site described below:

Site Address: 7651 ALVARADO RD (Street) | LA MESA (City) | 92041 (Zip Code)

Property Owner: CHEVRON USA (Name)

1201 S. BEACH BLVD (Street) | CA HABRA (City) | 90631 (Zip Code)

Telephone: _____

Tank Operator: CHEVRON (Name) | 462-2860 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s): TANK

Amount Released: UNK (Gallons) UNK (Time Period)

Release Detected By:

- ✓ Routine Tank Testing
- ___ Test of Piping
- ___ Inventory Audit
- ___ Monitoring Device/Well
- ___ Evidence of Soil Contamination Detected During Tank Removal
- ___ Evidence of Leaky Tank Detected During Tank Removal
- ___ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). REGULAR TANK FAILED TIGHTNESS TEST

Date Release Reported to or Detected by HMMU 10/2/87

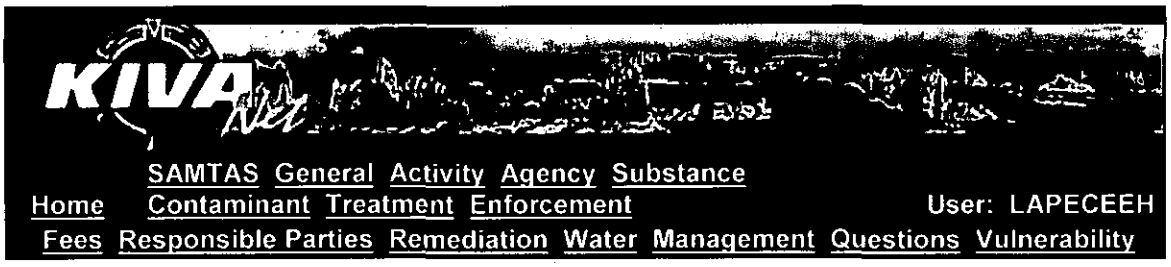
Contact With Other Agencies _____

Additional Comments:

Please call the HMMU at 236-2222 if you have questions or comments regarding the above.

HMMU Staff MIKE VERNON

DHS:HM-9010 (12/86)



General Incident Information

Edit

Name	CHEVRON #93521		
Address	7651 ALVARADO RD, LA MESA CA 919413611	**APN**	4700201200
Contact		**Phone**	
Historical Name	CHEVRON		
Number	H12687 **Incident** 1 **Priority** FAILED PRECISION TEST		
Funding	NON BILLABLE		
Case Type	FAILED INTEGRITY TEST		
Release Type			
Release Cause			
Release Source			
Release Stopped			
Staff Assigned	MICHAEL VERNETTI		
Status	CLOSED CASE	**Status Date**	06-Sep-1988
Lead Agency	DEH/SAM	**Lead Agency Date**	02-Oct-1987

NO CLOSURE LETTER FOUND
IN FILE AT TIME OF IMAGING

COUNTY OF SAN DIEGO

DEPARTMENT OF HEALTH SERVICES
1700 Pacific Highway, San Diego, CA 92101

HAZARDOUS MATERIALS MANAGEMENT UNIT
(619) 236-2222

OFFICIAL NOTICE

10/2/87

CHEVRON USA
1201 SOUTH BEACH BLVD LA HABRA CA 90631
N.D. WOLFF

RE: UNAUTHORIZED RELEASE #T 0772
7651 ALVARADO RD LA MESA 92041 # 93521

Dear N.D. WOLFF:

Information provided to this Department by REGULAR TANK FAILED PRECISION TEST indicates that the underground hazardous substance storage facility at the location referenced above has experienced an Unauthorized Release (leak).

The conditions created by the Unauthorized Release must be reported and corrected in accordance with Sections 25295 and 25297 of Chapter 6.7 of the California Health and Safety Code (H&SC) and Section 2652, Subchapter 16, Chapter 3, Title 23 of the California Administrative Code (CAC), and Chapter 6.5 of the H&SC and Title 22 of the CAC.

As the owner/operator of the underground storage tank, it is your responsibility to:

1. Take immediate action to prevent further unauthorized release;
2. Determine the extent and impact of the unauthorized release;
3. Submit a written Unauthorized Release Report to this Department within five workdays of receipt of this Notice;
4. Complete and distribute within five workdays the enclosed State Water Resources Control Board's "Underground Storage Tank Unauthorized Release(Leak)/Contamination Site Report";
5. Submit supplemental report as required to update the initial report; and,
6. Complete any site mitigation (cleanup) required.

The Unauthorized Release Reports must address all six Elements listed on the reverse side of this Official Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Please note Item 6 concerning responsibility for payment for staff time expended on the investigation.

Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

Please call me at (619) 236-2222 if you have any questions regarding this Official Notice.

Sincerely,

MIKE VERNETTI
Hazardous Materials Specialist

Enclosure

cc: RWQCB

DHS-HM 0046 (12/86)

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 236-2222

OFFICIAL NOTICE

April 18, 1988

Chevron, USA
1201 S. Beach Blvd.
La Habra, CA 90631
ATTN: N.D. Wolff

RE: UNAUTHORIZED RELEASE #T0772/H12687
7651 ALVARADO RD., LA MESA, CA

Dear Ms. Wolff:

Your written supplemental report to update the Unauthorized Release Report for the site referenced above is PAST DUE. You are required to submit this report every four weeks weeks to update the progress of activities at that site, in accordance with the provisions of the California Administrative Code, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652. The report was due 11/02/87.

Please submit your written supplemental report to update the Unauthorized Release Report to this Department within five work days of receipt of this Notice.

If you have any questions on this matter, please contact me at (619) 236-2222.

Sincerely,

MIKE VERNETTI
Hazardous Materials Specialist

MV:jj

C. R. J., Incorporated
SERVICE STATION SPECIALISTS
CONTRACTORS LICENSE NO. 475870

2772 NATIONAL AVENUE
SAN DIEGO, CALIFORNIA 92113
(619) 239-1253

Date 9-14-88

Chevron U.S.A. Inc.
P.O. Box2833
La Habra, Ca. 90631

Attention: Lilian

Subject: Petro Tite
Precision
Test

Location: Chevron Station 9- 3521

7651 ALVARADO, RD
#112687

Tank #1 UL 10,000
#2 SUL 5,000
#3 REG 10,000
#4 DIESEL N/A

Present: C.R.J. INC.,

On June 9,12 1987 the above tank systems were precision tested using the Petro Tite Precision tank testing equipment. This method complies with the NFPA #329 guidelines for precision testing and section 2643 of the California Underground Storage Tank Regulations. These guidelines require 0.05 gallons per hour leak rate accuracy.

We have found from precise liquid level measurement, product circulation and temperature correction analysis combined that the above tank system meets the above criteria. This concludes our test and findings on this date. We found a loose union on the vent line, made necessary repairs and then retested. The Regular leaded tank then met the above criteria.

Sincerely,

Robert W. Jackson, President

RWJ: ds

Scott-Broadway
Service

1919 Market Street
Oakland CA 94607
(415) 834-2333
Lic. No 485569

BROADWAY
A SCOTT COMPANY

April 21, 1988

Chevron U.S.A., Inc.
P.O. Box 2833
La Habra, CA 90631

Attention: Ms. L. Novak

Reference: Our Job Contract No. 6CSW 12039X
Station No. 9-3521
7651 Alaurado Road
La Mesa, CA 92041

Gentlemen:

On March 24, 1988, we precision tested the 1,000 gallon waste oil tank, which was filled with diesel fuel, using the "Petro-Tite" system.

The tank had a leak rate of -.037 gallons per hour. This leak rate is within the NFPA criteria of 0.05 gallons per hour; therefore, this tank and attached piping can be considered liquid tight at this time.

The test results are attached.

Please call if you have any questions.

Very truly yours,

SCOTT-BROADWAY SERVICE

Loren W. Guinn,
Environmental Estimator

dd

TANK INTEGRITY TEST EPORT

HAZARDOUS MATERIALS MANAGEMENT DIVISION

Reviewed FS 10-16-90

☐ All of the tanks and associated piping have tested tight

☒ Some of the tanks and associated piping have failed tightness test

Office Use Only
Est # H12687
Date Rec / /
Tester on File y/n

Reason for Tank System Testing: ___ Annual Test ___ Suspected Leak x Retest After Repair

Other Reason for Tank Testing: _____

Tank Location	Address	7651 Alvarado Rd.	
	City	La Mesa, CA	Zip 92041
Tank Operator	Name	Don Frost	Phone (619)462-2860
Tank Owner	Name	Chevron USA	Phone (213)694-7379
	Address	1300 S. Beach Blvd.	
	City	La Habra, CA	Zip 90632

Tank No	Tank Capacity	Product Type	Product Line Pass/Fail	Fill/Vent Vapor Pass/Fail	TANK		Test Date
					Gal/Hour	Pass/Fail	
1	10,000	Unleaded	Pass	Fail	.15	Fail	2-23-90
2							
3							
4							
5							
6							

Method of Product Line Test Hydrostatic

Method of Vent/Vapor/Remote Fill Line Test Tank Integrity

Indicate Which (if any) Tanks are Manifolded _____

These test results have been conducted and performed, by a tester certified according to the requirements of the tank test equipment manufacturer. The tester is licensed by the Water Resource Control Board Office of Tank Tester Licensing and meets the requirements of Subchapter 17, Title 23, of the CA Code of Regulations (Effective January 1, 1990). The tank owner has been notified of these results, and has been advised of the reporting requirements for integrity testing.

Testing Company Tanknology Corp. Intl.

Name of Test Equipment VacuTest

Name of Licensed Tester Dan Felmly License No. 1264

Signature of Tester Dan Felmly Date 10/10/90

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO CA 92138-5261 (619) 338-2222

TANK INTEGRITY TEST REPORT

HAZARDOUS MATERIALS MANAGEMENT DIVISION

☐ All of the tanks and associated piping have tested tight

☒ Some of the tanks and associated piping have failed tightness test

Office Use Only
Est # H 12687
Date Rec / /
Tester on File y/n

Reason for Tank System Testing: ___ Annual Test ___ Suspected Leak _x_ Retest After Repair

Other Reason for Tank Testing: _____

Tank Location	Address	7651 Alvarado Rd.	
	City	La Mesa, CA	Zip 92041
Tank Operator	Name	Don Frost	Phone (619)462-2860
Tank Owner	Name	Chevron USA	Phone (213)694-7379
	Address	1300 S. Beach Blvd.	
	City	La Habra, CA	Zip 90632

Tank No	Tank Capacity	Product Type	Product Line Pass/Fail	Fill/Vent Vapor Pass/Fail	TANK		Test Date
					Gal/Hour	Pass/Fail	
1	10,000	Unleaded	Pass	Fail	---	Fail	2-23-90
2							
3							
4							
5							
6							

Method of Product Line Test Hydrostatic

Method of Vent/Vapor/Remote Fill Line Test Tank Integrity

Indicate Which (if any) Tanks are Manifolded _____

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Testing Company Tanknology Corp. Intl.

Name of Test Equipment VacuTest

Name of Licensed Tester Dan Felmly License No. 1264

Signature of Tester Dan Felmly Date 5/15/90

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO CA 92138-5261 (619) 338-2222

HAZARDOUS MATERIALS MANAGEMENT DIVISION
UNDERGROUND TANK REMOVAL/CLOSURE REPORT

1772

FIRE AGENCY PRESENT? ☒ YES ☐ NO
PERMIT NO. _____
DEPT. LA MESA
% L.E.L. <5%

ESTABLISHMENT # H12687 PLAN CHECK # AT2244

SITE NAME CHEVRON PHONE 18003526939

SITE ADDRESS 7051 ALVARADO RD. CITY/ ZIP CODE 92041

CONTRACTOR ~~GIANT~~ HOEFER AND SONS PHONE 619 422 8700

NUMBER OF TANKS 4 ☒ REMOVAL ☐ CLOSURE IN PLACE

	TOO1	TOO2	TOO3	TOO4	REMARKS:
TANK EDP NUMBER	TOO1	TOO2	TOO3	TOO4	①TOO1 - HEAVY CORROSION - HEAVY PITTING
U/L TAG NUMBER	UNKNOWN	→	→	→	UNDERTANK - HOLES FOUND ON NORTH END.
CAPACITY (GALS)	1000	10K	10K	5K	TOO2, TOO3-TOO4 - MED CORROSION SLIGHT
MATERIAL STORED	W.O.	GASOLINE	→	→	PITTING, NO HOLES OBSERVED.
DECONTAMINATION?	YES BY CROSBY + OVERTON				
MANIFEST AVAILABLE?	89546583	1000 GALLON	TO GIBSON OIL REF.		②PURGED WATER AT ~12.0' HEAVY
% LEL (CGI READING)	<5%	→	→	→	STAINING UNDER TOO2, TOO3, TOO4
DRY ICE/OTHER (AMT)	NONE	150 lbs	150 lbs	150 lbs	LARGE CONGLOMERATE AT ~15'. HEAVY STAINING
TANK CONDITION	SEE REMARKS ①				ON N. END OF TOO1
BACKFILL SOIL TYPE	COARSE	SAND W/ SMALL TO LARGE CONGLOMERATE.			HEAVY STAINING OBSERVED UNDER
BACKFILL CONDITION	NO DISCOLORATION	OBSERVED			PRODUCT LINES LEADING INTO TANK EXCAVATION
NATIVE SOIL TYPE	REDDISH BROWN	MEDIUM GRAINED	SILTY SAND		
NATIVE CONDITION	SEE REMARKS ②	→	→	→	③PURGED H2O AT ~12.0' - SHEEN NOTED
EXCAVATION ODORS?	~~YES~~ NO	YES	→	→	UNDER TANKS TOO2, TOO3 TOO4
STOCKPILE ODORS?	NONE	SLIGHT	→	→	
PONDED PRODUCT?	SEE REMARKS ③				
PIPELINE LEAK?	UNKNOWN	→	→	→	TANKS GOING TO SUB2 OTAY RD.
REINSPECTION REQUIRED?	NO	→	→	→	HOEFER + SONS YARD TO BE SCRAPED THEN TO PACIFIC STEEL.

NOTICE: You are hereby notified that on 10/13/91, a Hazardous Materials Specialist conducted an inspection for the closure of FOUR (4) hazardous substance underground storage tanks. A summary of the conditions follows:

☐ A determination of this site's status is pending receipt of Laboratory Analyses Results for samples taken this date. Results must be submitted within 30 days. To avoid delays, have the Laboratory send a copy of the results directly to _____ (print) of the (HMMD) see address below:

☒ Contamination of the excavation area has been noted by observations made during the tank removal this date. **BEGIN SITE ASSESSMENT PHASE**-(See reverse for details).

The Laboratory results have been reviewed by _____
(of the HMMD) on __/__/__ and indicate the following:
☐ NO FURTHER ACTION IS REQUIRED.
☐ **BEGIN SITE ASSESSMENT PHASE** (See attached information).
Phone Contact _____ Date Form was Mailed __/__/__

Received By _____

Printed Name WILLIAM M. LINES G.T. INC.
AGENT FOR CHEVRON U.S.A. INC.

Phone Number (619) 453 8415

(HMMD COPY)

Robert N. Reynolds
Hazardous Materials Specialist
County of San Diego
Department of Health Services
HMMD - P. O. Box 85261
San Diego, CA 92138-5261
(619) 338-2222

DHS:HM-916 (10/89)

Type(s) of hazardous substance(s) released: GASOLINE & POSSIBLY WASTE OIL

Is hazardous material ponded? NO - BUT H_2O W/SHEEN What is estimated amount? _____

Is amount of hazardous substance release known? NO Estimated amount? _____

What is estimated depth to ground water below the site? _____ feet

Is site located in a beneficial use area? YES

SOIL CONDITIONS:

Is backfill discolored? YES - UNDERTANK Estimated amount —

Is backfill saturated? YES - UNDERTANK W/ H_2O Estimated amount —

Is native soil stained? YES Estimated amount —

Is native soil saturated? NO Estimated amount —

Describe native soil type(s) REDDISH BROWN MEDIUM CLAYEY SAND

Condition of tank(s) (holes, corrosion, wrapping, seams) TOO1 - HEAVY CORROSION/HEAVY PITTING HOLES ON NORTH END - TOOZ → TOO4 HEAVY SLIGHT TO MOD CORROSION NO HOLES OBSERVED

Piping leak location UNKNOWN

Nearby water wells or surface waters? POSSIBLE IRRIGATION H_2O

Any known underground vaults, utilities or basements nearby? NONE

FURTHER COMMENTS: HEAVY STAINING THROUGHOUT BOTTOM OF GASOLINE TANK EXCAVATION LARGE CONGLOMERATES AT ~16.0' - SHEEN NOTED ON PONDED WATER.

SEE 8½ x 11

N
O
R
T
H

(HMMD) **PLOT PLAN** EST. # H12687

DHS:HM-916 (10/89)

HIQ657
AT2244

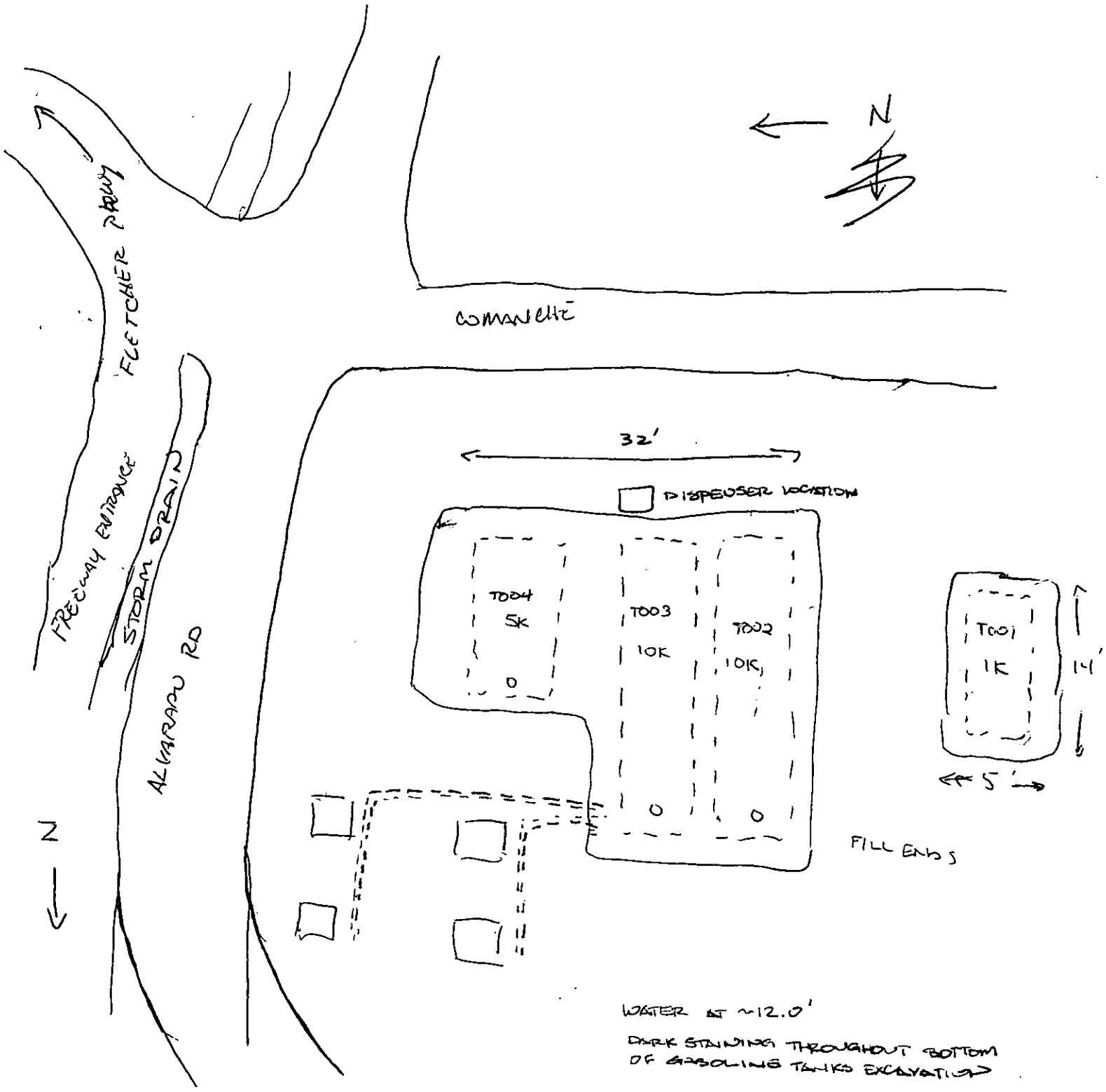
TANKS CLEANED BY: CROSBY & OVERTON

MANIFEST# :89546533 GALLONS 10009 TO GIBSON OIL & REFINING

APPROXIMATE AGE OF TANKS:

APPROXIMATE TIME TANKS WERE IN USE:

TANKS GOING SITE 5662 OTAY RD - HOFFMAN SON YARD THEN TO PACIFIC STEEL

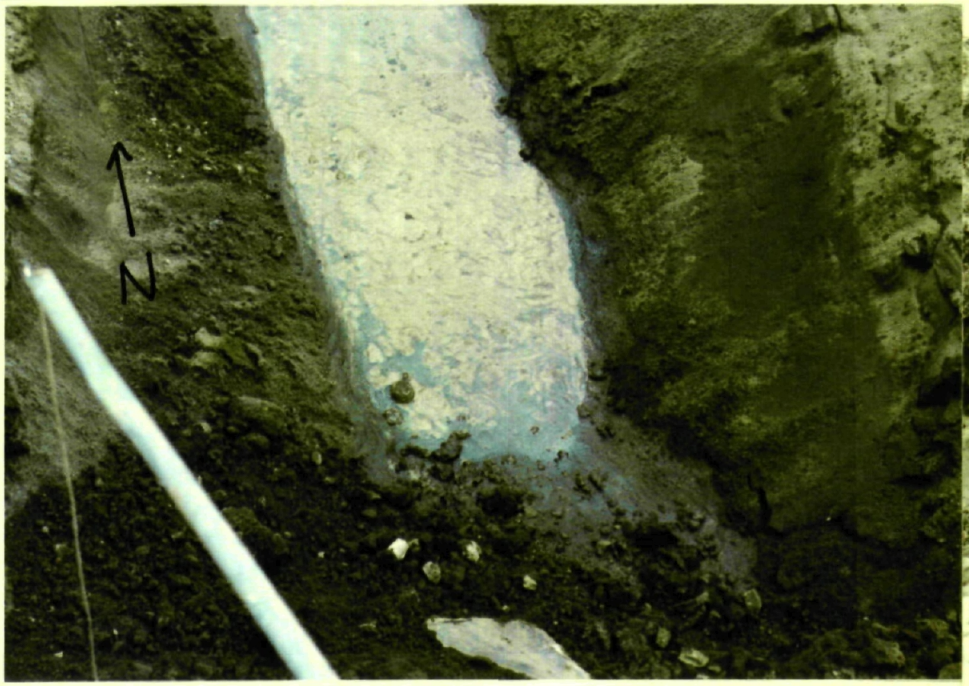


WATER AT ~12.0'

DARK STAINING THROUGHOUT BOTTOM OF GASOLINE TANKS EXCAVATION


N
HWY 4
ALVARADO RD
DISPENSER LOCATIONS
T002
T003
T004


ALVARADO RD.
N
T002
(10K)
T003
(10K)
(5K)
T004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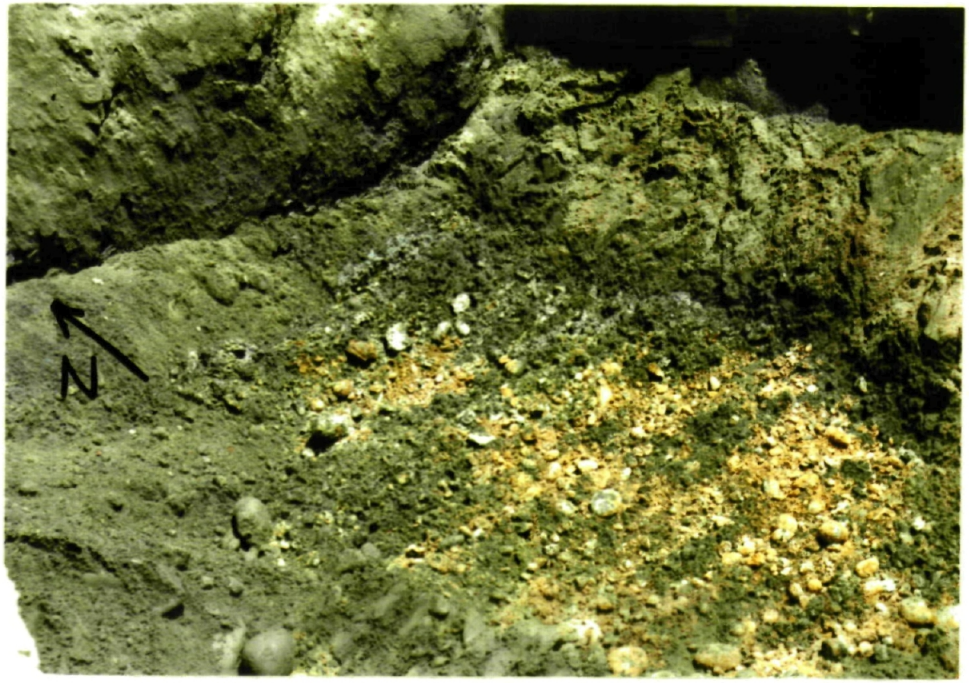
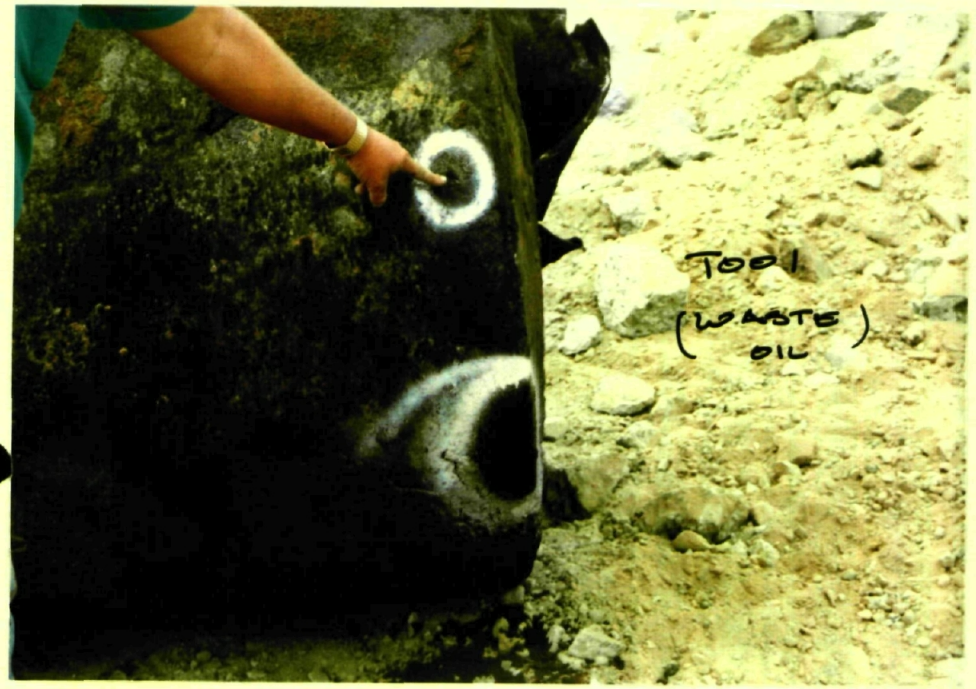


H12687 6-13-91

7651 ALVARADO RD.
LA MESA, CA.
(FORMER) CHEVRON

PHOTO BY: RVR


TOOL
(WASTE
OIL


TOOL
(WASTE
OIL







H12687/AT2244
7651 ALVARADO RD.
LA MESA, CA.

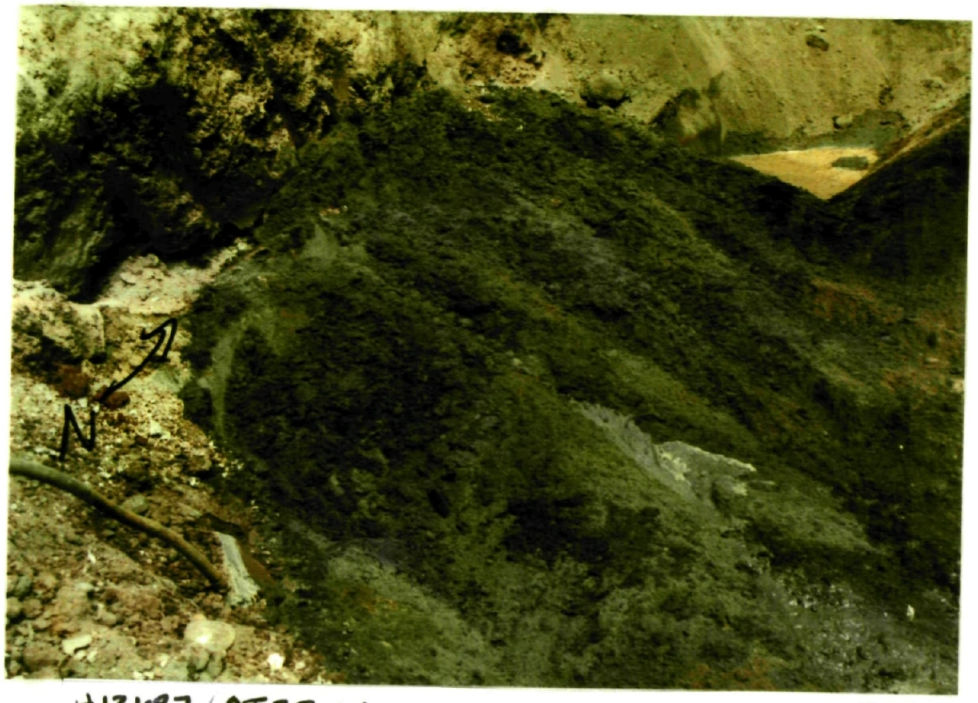
6-13-91

PHOTO BY: RVR



H12687/AT2244
7651 ALVARADO RD.
LA MESA, CA.

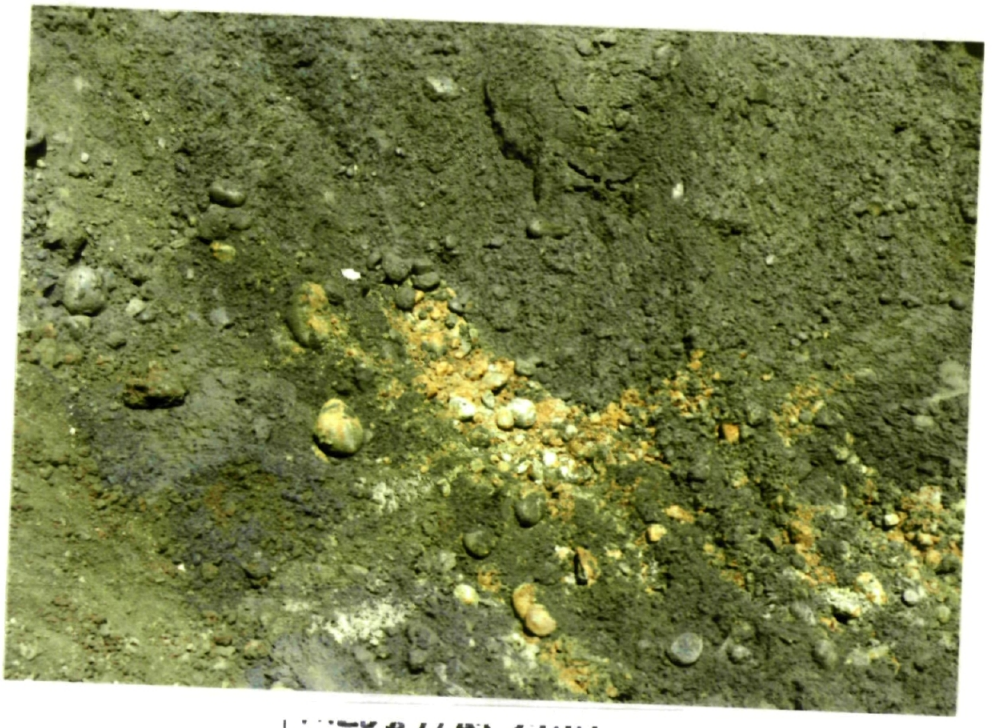
PHOTO BY: RVR



H12687 / AT2244
7651 ALVARADO RD.
LA MESA, CA.

6-18-

PHOTO BY: RVR



[illegible] / AT 2244
7651 ALVARADO RD.
LA MESA, CA.

PHOTO BY: RVR

SW

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

July 17, 2001

Mr. Jerry Bogaczyk
Chevron Products Company
SAR Project Manager
P.O. Box 2292
Brea, CA 92822-2292

Dear Mr. Bogaczyk:

UNDERGROUND STORAGE TANK (UST) CASE #H12687-002
CHEVRON STATION #9-3521
7651 ALVARADO ROAD, LA MESA, CA 90632

This letter confirms the completion of a site investigation and corrective action for the underground storage tank system formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank system is greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code. No further action related to the petroleum releases at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code. Please contact Scott Weldon at (619) 338-2539 if you have questions regarding this matter.

Sincerely,

GARY W. ERBECK, Director
Department of Environmental Health
Site Assessment and Mitigation Program

SW:kd

Enclosure

cc: Regional Water Quality Control Board
Allan Patton, SWRCB, UST Cleanup Fund Program
David Varco, SECOR

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

DATE: 7-17-01

Agency Name: County of San Diego, Environmental Health, SAM	Address: P.O. Box 129261
City/State/ZIP: San Diego, CA 92112-9261	Phone: (619) 338-2222 FAX: (619) 338-2377
Responsible Staff Person: Scott Weldon	Title: Environmental Health Specialist

II. CASE INFORMATION

Site Facility Name: Former Chevron Station # 9-3521

Site Facility Address: 7651 Alvarado Road, La Mesa, CA 90632

RB LUSTIS Case No: N/A	Local Case No: H12687-002	LOP Case No: H12687-002
URF Filing Date: 9-19-90	SWEEPS No: N/A	
Responsible Parties: Chevron Products Co	Address: P.O. Box 2292	Phone Number: 714-671-3213
c/o Jerry Bogaczyk	Brea, CA 92822-2292	

Tank No.	Size in Gal.	Contents	Closed in Place/Removed	Date
1	1000	Waste Oil	Removed	6-13-91
2	10000	Gasoline	"	6-13-91
3	10000	Gasoline	"	6-13-91
4	5000	Gasoline	"	6-13-91

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Gasoline releases from UST piping and a used oil release from the used oil UST.

Site Characterization complete? Yes	Date Approved By Oversight Agency: 3-27-01		
Monitoring Wells Installed? Yes	Number: 5	Proper Screened Interval? Yes	
Highest GW Depth Below Ground Surface: 6.16	Lowest Depth: 11.22	Flow Direction: to the north	

Most Sensitive Current Use: groundwater is listed as having potential municipal use, existing industrial and agricultural use.

Are Drinking Water Wells Affected? No	Aquifer Name: Mission San Diego Hydrologic Sub-unit (907.11).
Is Surface Water Affected? No	Nearest SW name: Alvarado Creek

Off-Site Beneficial Use Impacts (addresses/locations): None

Reports on file? Yes	Where are Reports Filed? County of San Diego, Environmental Health

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tanks	4 Steel	Disposed of to Pacific Steel	1-16-92
Piping	Unknown Length	Disposed of, destination unknown	1-16-92
Free Product	None	N/A	N/A
Soil	2300 Cubic Yards	Excavated, characterized, and placed back in ground.	1992
Groundwater	Unknown Amount (Rinsate +groundwater=1000 gallons)	Mixed with rinsate and disposed of to Crosby and Overton	1-16-92
Barrels	None	N/A	N/A

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) H12687-002

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS - - BEFORE AND AFTER CLEANUP - - N/A MEANS NOT ANALYSED

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	6700	6700	21	< 0.0005	MTBE	N/A	N/A	0.012	< 0.010
TPH (Diesel)	N/A	N/A	N/A	N/A	Ethylbenzene	39	39	0.320	< 0.0005
Benzene	7.6	7.6	0.053	0.00056	TRPH	14,000	14,000	N/A	N/A
Toluene	65	65	0.022	0.0013	Organic Lead	1.7	1.7	N/A	N/A
Xylene	73	73	0.640	< 0.0015	Other				

Comments: Soil samples obtained during the tank removal activities indicated that petroleum hydrocarbon releases had occurred beneath the former used oil UST and also beneath two of the fuel dispenser islands. 2300 cubic yards of impacted soil were excavated at the site beneath each of the impacted areas. The soil in each of these areas was excavated to levels less than 100 mg/kg TPH, as determined by confirmation sampling. The excavated soil was then characterized, and it was determined that all of the excavated soil met the criteria for on-site re-use.

Five groundwater monitoring wells were then installed at the site. Quarterly groundwater monitoring occurred from 1992 through 1996. TPHg and benzene levels in groundwater during the last monitoring event, completed in November 1996, were less than the detection limit of 500 µg/l and 0.56 µg/l, respectively.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes

Does corrective action protect public health for current land use? Yes
Case oversight completed based upon the current/future site use as a RV sales lot.

Site Management Requirements: Any contaminated soil excavated as part of subsurface construction work must be managed in accordance with the legal requirements at that time.

Should corrective action be reviewed if land use changes? No

Monitoring Wells Decommissioned: No	Number Decommissioned: 3	Number Retained: 2

List Enforcement Actions Taken: Notice of Corrective Action and Reimbursement Responsibility

List Enforcement Actions Rescinded: None

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Kevin Heaton	Title: Senior Hydrogeologist Land and Water Quality Division
Signature:	Date: 7/16/2001

VI. RWQCB NOTIFICATION

Date Submitted to RB: 7-12-01	RB Response: Concurs with closure	
RWQCB Staff Name: Sue Pease	Title: Environmenati Specialist III	Date: 7-13-01

VII. ADDITIONAL COMMENTS, DATA, ETC.

The two remaining groundwater monitoring wells (MW-3 and MW-4) will be properly destroyed under permit within 90 days.

This document and the related CASE CLOSURE LETTER shall be retained by the lead agency as part of the official site file.

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

OFFICIAL NOTICE

December 28, 1990

Chevron USA
Attn: M. Kanitra
1300 S. Beach Blvd.
La Habra, CA 90632

Dear Mr. Kanitra:

RE: UNAUTHORIZED RELEASE #T1722/H12687-002
7651 ALVARADO DR., SAN DIEGO, CA

Your written supplemental report to update the Unauthorized Release Report for the site referenced above is PAST DUE. You are required to submit this report every thirty (30) days to update the progress of activities at that site, in accordance with the provisions of the California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Article 5, Section 2652. The report was due October 27, 1990.

Please submit your written supplemental report to update the Unauthorized Release Report to this Department within five work days of receipt of this Notice.

If you have any questions on this matter, please contact me at (619) 338-2207.

Sincerely,

Mary Peters

MARY PETERS, Hazardous Materials Specialist
Hazardous Materials Management Division

MP:cl

WP/T1722

County of San Diego

J. WILLIAM COX. M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

September 27, 1990

Chevron, USA
1300 S. Beach Blvd.
La Habra, CA 90632
Attn: L. Hadley

Dear Ms. Hadley:

RE: UNAUTHORIZED RELEASE H#12687/T#1722
7651 ALVARADO DR., SAN DIEGO, CA

The Unauthorized Release Report for the above referenced site has been reviewed.

The report as submitted satisfies the initial reporting requirements for a failed integrity test.

Based on the information you have provided, the cause of the integrity test failure has not yet been identified. A written update to the Report must be submitted to this Department within two weeks of receipt of this letter. The update should include a summary of all investigative work planned or completed at that time. Include a copy of all integrity test results, and a description of the source and cause of the integrity test failure, and amount of hazardous substance lost for each system.

Please call me at (619) 338-2222 if you have any questions regarding the above.

Your timely cooperation in these matters is appreciated.

Sincerely,

Mary Peters

MARY PETERS, Hazardous Materials Specialist
Hazardous Materials Management Division

MP/lms

cc: Jim Munch-RWQCB

WP/9086.FRM

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

OFFICIAL NOTICE

August 22, 1990

Kim Wiseman, Hydrogeologist - Environmental Projects
Chevron USA
P.O. Box 2833
La Habra, CA 90632-2833

Dear Ms. Wiseman:

This letter is to clarify the policies that must be followed by the tank owner/operator after a failed integrity test result has been reported to Hazardous Materials Management Division (HMMD). A failed integrity test is considered an unauthorized release. Upon receipt of 24-hour notification of the uauthorized release, the HMMD will send an Official Notice to the tank owner/operator requiring submittal of a written report to the HMMD within five working days.

HMMD has been notified of 12 Chevron sites with failed integrity tests. To date HMMD has not received a 5-day report on any of these sites. Numerous notices have been sent to Libby Hadley and Jim Vigil, in addition to the telephone messages to Ms. Hadley notifying her of the outstanding 5-day reports.

For your reference I am enclosing a copy of the County of San Diego policy on reporting requirements of integrity test failures. In addition, Section 2652 Unauthorized Releases requiring reporting, of the California Administrative Code, Title 23 Waters, Subchapter 16 Underground Tank Regulations is enclosed.

A copy of these documents have been sent to Libby Hadley along with the previous notices. It is very important to identify the cause of the integrity test failure as soon as possible to minimize the cost and extent of any necessary clean-up. Please submit 5-day reports for the Chevron sites listed within 5 days of receipt of this notice.

Should you have any questions regarding this notice, please contact Mary Peters at (619) 338-2207.

Sincerely,

Mary Peters

MARY PETERS, Hazardous Materials Specialist
Hazardous Materials Management Division

MP:cl

Enclosure

WP/CHEVRIN

CHEVRONS WITHOUT 5 DAY REPORTS

5404 El Cajon Blvd.	H#00295	T#1724
555 W. San Marcos San Marcos, CA	H#05643	T#1713
8780 Lake Murray Blvd.	H#05697	T#1723
9312 Mission Gorge Rd.	H#12198	T#1714
1005 Rosecrars St.	H#12251	T#1725
5401 Balboa Avenue	H#12456	T#1661
761 N. Broadway Escondido, CA	H#12462	T#1721
3804 Ingraham St.	H#12513	T#1729
5111 College Ave.	H#12636	T#1715
7651 Alvarado Rd.	H#12687	T#1722
5702 La Jolla Blvd. La Jolla, CA	H#13147	T#1775
3222 Mission Village Rd.	H#13235	T#1597

MP:jw

8/20/90

County of San Diego

J. WILLIAM COX, M.D., Ph.D.
DIRECTOR
(619) 236-2237

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7633

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

Date 7/26/90

OFFICIAL NOTICE - Second Notice

Chevron, USA
P.O. Box 2833
La Habra, Ca.
Attn: Libby Hadley

RE: UNAUTHORIZED RELEASE #T 1722 /H 12687
1 tank at 7651 Alvarado Rd, S.D failed integrity test

Dear Ms. Hadley:

Information provided to this Department by Tankology Corp. indicates that the underground hazardous substance storage facility at the location referenced above has experienced an Unauthorized Release (leak), resulting in possible or confirmed contamination. The conditions created by the Unauthorized Release must be reported and corrected in accordance with the California Health and Safety Code (H&SC) Chapters 6.5 and 6.7 and the California Code of Regulations (CCR), Titles 22 and 23. It is the underground storage tank owner's/operator's responsibility to:

1. Take immediate action to prevent further unauthorized release;
2. Determine the extent and impact of the unauthorized release;
3. Submit a written Unauthorized Release Report to this Department within five working days of receipt of this Notice;
4. Complete and submit within five workdays the enclosed State Water Resources Control Board's (SWRCB) "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report";
5. Submit supplemental reports as required to update the initial report; and
6. Complete any site mitigation (cleanup) required. Contaminated wastes must be analyzed for hazardous properties and managed appropriately.
7. Please note **Item H** (on the reverse side) concerning responsibility for payment for staff time expended on the investigation.

The Unauthorized Release Report must address all six elements listed on the reverse side of this Official Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies

Please call me at (619) 338-2207 if you have any questions regarding this Official Notice.

Sincerely,

Mary Peters
Hazardous Materials Specialist

Enclosure

cc: RWQCB

LOCAL

DHS:HM-9074 (2/90)

County of San Diego

J. WILLIAM COX, M.D., Ph.D.
DIRECTOR
(619) 236-2237

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7633

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92133-5261
(619) 338-2222

Date 31 May 90

OFFICIAL NOTICE

Jim Vigil
CHEVRON USA
1300 S. BEACH BLVD.
LA Habra, CA. 90632

RE: UNAUTHORIZED RELEASE #T 1722 /H 12687
1 tank at 7657 Alvarado Rd S.D. Failed integrity test

Dear Mr. Vigil:

Information provided to this Department by Tanknology Corp. indicates that the underground hazardous substance storage facility at the location referenced above has experienced an Unauthorized Release (leak), resulting in possible or confirmed contamination. The conditions created by the Unauthorized Release must be reported and corrected in accordance with the California Health and Safety Code (H&SC) Chapters 6.5 and 6.7 and the California Code of Regulations (CCR), Titles 22 and 23. It is the underground storage tank owner's/operator's responsibility to:

1. Take immediate action to prevent further unauthorized release;
2. Determine the extent and impact of the unauthorized release;
3. Submit a written Unauthorized Release Report to this Department within five working days of receipt of this Notice;
4. Complete and submit within five workdays the enclosed State Water Resources Control Board's (SWRCB) "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report";
5. Submit supplemental reports as required to update the initial report; and
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Please call me at (619) 338-2207 if you have any questions regarding this Official Notice.

Sincerely,

Mary Peters
Hazardous Materials Specialist

Enclosure

cc: RWQCB LOCAL

DHS:HM-9074 (2/90)

County of San Diego

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ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

DATE:

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Division (HMMD)

SUBJECT: **UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T#** 1722 H12637

Evidence of an unauthorized release of a hazardous material has been noted by HMMD staff at the site described below:

Site Address: 7651 Alvarado RD. (Street) | La Mesa (City) | 92041 (Zip Code)

Property Owner: CHEVRON USA (Name)
1300 S. Beach Blvd (Street) | La Habra (City) | 90632 (Zip Code)
Telephone: (213) 694-7379

Tank Operator: Don Frost (Name) | (619) 462-2560 (Telephone)

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s): Tank

Amount Released: UNK (Gallons) UNK (Time Period)

Release Detected By:

- X Routine Tank Testing
- ___ Test of Piping
- ___ Inventory Audit
- ___ Monitoring Device/Well
- ___ Evidence of Soil Contamination Detected During Tank Removal
- ___ Evidence of Leaky Tank Detected During Tank Removal
- ___ Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). 10,000 gal tank (unleaded fuel) failed integrity te

Date Release Reported to or Detected by HMMD 28 May 90
Contact With Other Agencies
Additional Comments:

Please call the HMMD at 338-2222 if you have questions or comments regarding the above.

HMMD Staff Mary Peters

DHS-HM 9010 (10/89)

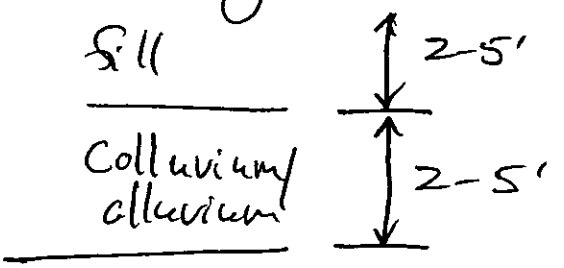
Review Tank Removal Report
7651 Alvarado Rd, La Mesa
11-8-91 by GTI

- stockpiles I, II, III, IV, V (500 yd³) **
  characterized $\bar{x} = 13$ $\bar{X}_u =$ 18 ppm TPH
- waste oil stockpile = 2400 ppm 418-1 } 50 yd³
  240 ppm 418-1 }
  - this needs to be removed from site

$\bar{x} = 2400$

$\bar{X}_u = 4644$

- used oil excavation = 17' x 5' x 12' deep = 37.7 yd³
- gasoline UST " = 40' x 45' x 16' deep = 1066 yd³ **
- single walled steel 1972
- topography loss of 12' across site
- geology



* contact slopes to N — what's the attitude

- observed perched H2O on Stadium conglom
- infiltration rate slow
* low recoveries on 8010 – should have run 8010/PCB on 14,000 & 1700 ppm TRPH waste oil
- water @ ~ 13' bg
- gas UST excav low – mostly ND
* gas piping (P1) = 6700, 1700 few other hot spots – see fig 6
* what is source of #1, 12, H4 samples?
* regulatory guidelines/thresholds
- Stadium Conglom very hard
* NO laboratory signature for stockpile samples I → III

SAN DIEGO REGIONAL BOARD BASIN INFORMATION

Regional Board Staff: JM/LC

HMMD Staff : Robert Pajalta

H number: 12687-002

T number: 1722

Date: 7/31/91

Site Address: 7657 Alvarado Rd.
La Mesa 92041

Beneficial Use: Yes: ✓ No: ___ Basin No.: 7.11

Beneficial Uses

Municipal : ✓

Agricultural: ✓

Industrial : ✓

Industrial Process Sply: ✓

Groundwater Recharge : ___

SITE: 7651 Alvarado Rd, La Mesa

12,581 (site) → 12,584 (site) → 12585 (home)
↑ not claimed

DATE: 7-23-91

H12687-002 T82

- 6 stockpiles – uncovered
- 6 " – covered
- 2 open excavations w/ water
- fence around site

SITE VISIT

p 1/2

I-8



Alvarado Rd.
H12687-002



Alvarado Rd.
H12687-002



Alvarado Rd
H12687-002

7651 Alvarado Rd, La Mesa Rd. former Chevron.

P2/2

MEETING/PHONE/PEER REVIEW

RECORD

H12687-002
DATE: 7/11/91
TIME: :
PAGE 1 OF 1
SPEC: MGP

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (____) _____ Name: Bill Liner /671

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado ~~Ave~~, La Mesa

SUMMARY: during tank pull water @ 12'; week later could see seeps.
- samples into 2 ft of stadium conglomerate.
- pretty clean
- pump island hot spots - assessed w/ pot holes.
- diesel tank hole is N end - hot spots.
- going from construction engineer to environmental.
- FM contact - top of stadium is level elevation does not slope > 1ft offsite

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7 / 9 / 91
TIME:	12 : 18
PAGE	1 OF 1
SPEC:	M6P

(Check One)

[ ] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (213) 694-9155
Name: Kim Wiseman / Chevron

[ ] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, Chevron - La Mesa

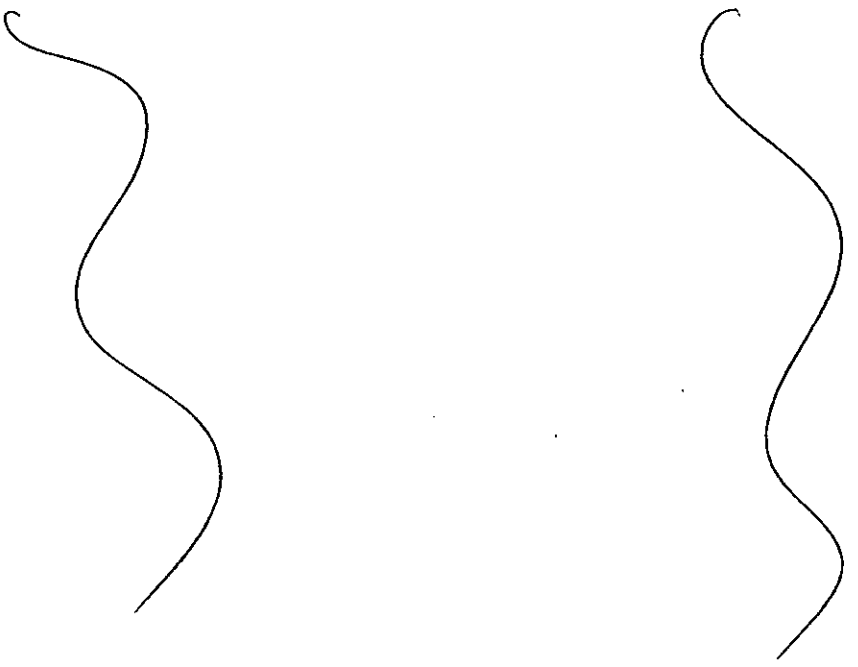
SUMMARY: I called her to find out when the investigation will begin on this site? I told her if observed groundwater in the excavation and and groundwater monitoring will be required.

SITE VISIT : 7651 Alvarado Rd, La Mesa H13687-002
7-2-91 4:30 -> 5:30

46,935 (HQ) → 46954 (SITE)

NOTES:

- saturated zone seen at 10' bgs
  groundwater ponded at 12-13' bgs
  in main excavation
- water at 10-12' bgs in side (west)
  excavation
- 9 stockpiles on site / 5 are covered
- South of site = professional buildings
- East/North of site = I-8 interchange/exit
- ~~North~~ West = Sally's Restaurant + motel









7651 Alvarado Rd, La Mesa - Chevron 9-3521

H12687-002 T01722







7651 Alvarado Rd

H12687-002 T#1722

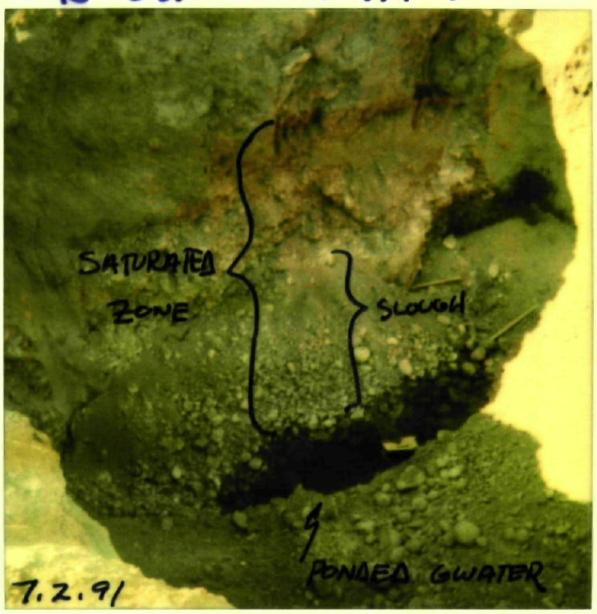
GAS UST EXCAVATION



GAS UST EXCAVATION



GAS UST EXCAVATION





7651 Alvarado Rd, La Mesa

H12687-002 TO 1722

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

NOTICE OF REIMBURSEMENT AND REPORTING REQUIREMENTS

July 1, 1991

Jane Fruin
Chevron, USA
P. O. Box 2833
La Habra, CA 90632-2833

Dear Ms. Fruin:

RE: UNAUTHORIZED RELEASE #T01722/H12687-002
FORMER CHEVRON SERVICE STATION #9-3521, 7651 ALVARADO ROAD,
LA MESA, CA 91941

Information provided to this Department indicates that the underground hazardous substance storage facility at the location referenced above has had an Unauthorized Release (leak), and identifies you as the party, or one of the parties, responsible for investigation and cleanup of the Unauthorized Release.

As described in the paragraph below, federal and state law require the responsible party(ies) to reimburse the State Water Resources Control Board for local and state agency costs associated with oversight of the investigation and cleanup of the Unauthorized Release. Please take note of the following:

> Whereas the Federal Petroleum Leaking Underground Storage Tank Trust Fund provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund; and Whereas the above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the Health and Safety Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

Ms. Jane Fruin July 1, 1991

The following individual(s) and/or entity(ies) are being notified as responsible parties for the Unauthorized Release at the above referenced site:

Jane Fruin
Chevron USA
P. O. Box 2833
La Habra, CA 90632-2833

Fredna Gustavson
110 Westwood Drive
Santa Cruz, CA 95060

In accordance with the California Health and Safety Code, Chapter 6.5 and 6.7, and the California Code of Regulations, Title 22 and 23, the tank owner/operator must report and correct the conditions created by the Unauthorized Release. It is the tank owner's/operator's responsibility to:

1. Take immediate action to prevent further unauthorized release.
2. Determine the extent and impact of the unauthorized release.
3. Submit a written Unauthorized Release Report within five workdays of receiving this Official Notice. This requirement is satisfied by submitting the enclosed State Water Resources Control Board form entitled "UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT". The completed form, with attached comments if necessary, must address the Unauthorized Release Report items described on the final page of this Notice. Submit the completed form to this office for distribution.
4. Submit supplemental reports as required to update the initial report.
5. Complete any site mitigation (cleanup) required.
6. Reimburse the State Water Resources Control Board for local and state agency costs associated with oversight of the investigation and cleanup.

The Unauthorized Release Report must address all six items listed on the final page of this Notice, to the extent of the best information known at this time. Additional information and responsibilities are also listed. Subsequent site characterization and mitigation actions will be determined upon evaluation of the written report and consultation with the Regional Water Quality Control Board and other appropriate regulatory agencies.

If you have any questions concerning this Notice, please contact the undersigned at (619) 338-2315, or the Division of Clean Water Programs, State Water Resources Control Board, P.O. Box 944212, Sacramento, CA 94224-2120.

Sincerely,

Michael G. Porter

MICHAEL G. PORTER, Hazardous Materials Specialist
Hazardous Materials Management Division

MGP:cmc

Enclosure

cc: Donna Shimeck, State Water Resources Control Board
James Munch, San Diego Regional Water Quality Control Board

WP\T01722.1

ADDITIONAL INFORMATION/RESPONSIBILITIES

A. Notify the local Fire Department immediately, if a fire/explosion hazard exists.

B. Cease the unauthorized release immediately by removing the hazardous substance from the system's leaking component(s), as necessary. Give careful consideration to proper tank ballast in areas of high groundwater. Ballast should be inert and compatible with tank residues (i.e., water).

C. Maintain the site in a safe and secure manner. The excavation, if any, may be back-filled for safety reasons until site decontamination activities commence.

D. Send copies of all correspondence to the Regional Water Quality Control Board. San Diego Region (619) 265-5114, Colorado River Basin Region (619) 346-7491.

E. Before any drilling, trenching, grading, digging, dewatering or moving of soil begins, submit a work activity proposal to this Department. The proposal must identify all actions to preclude offsite nuisances or other adverse consequences.

F. Obtain necessary permits for repair or removal of the underground tanks/piping from this Department, and other agencies, for onsite treatment or offsite discharge.

G. Issuance of a permit to install new tanks at a site does not imply that any unauthorized release at the site has been mitigated to the satisfaction of this Department or any other regulatory agency.

UNAUTHORIZED RELEASE REPORTING REQUIREMENTS

Each of the following must be addressed in the Unauthorized Release Report (CCR, Title 23, Chapter 3, Subchapter 16, Section 2652):

1. Describe the type, quantity and concentration of the hazardous substance released.

2. Describe the extent of the soil, groundwater, and/or surface water contamination due to the release based on the results of all investigations completed at the time the report is submitted.

3. Describe the method of clean-up implemented to date, proposed clean-up actions, and approximate costs of actions taken to date.

4. Indicate the method and location of disposal of the released hazardous substance and any contaminated soils or groundwater. (If any contaminated soil or water is removed from the site, include copies of the hazardous waste manifests).

5. Describe the proposed method of repair or replacement of the underground tank/piping.

6. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of scheduled and proposed activities.

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

NOTICE OF REIMBURSEMENT AND REPORTING REQUIREMENTS

July 1, 1991

Fredna Gustavson
1100 Westwood Road
Santa Cruz, CA 95060

Dear Ms. Gustavson:

RE: UNAUTHORIZED RELEASE #T01722/H12687-002
FORMER CHEVRON SERVICE STATION #9-3521, 7651 ALVARADO ROAD,
LA MESA, CA 91941

Information provided to this Department indicates that the underground hazardous substance storage facility at the location referenced above has had an Unauthorized Release (leak), and identifies you as the party, or one of the parties, responsible for investigation and cleanup of the Unauthorized Release.

As described in the paragraph below, federal and state law require the responsible party(ies) to reimburse the State Water Resources Control Board for local and state agency costs associated with oversight of the investigation and cleanup of the Unauthorized Release. Please take note of the following:

> Whereas the Federal Petroleum Leaking Underground Storage Tank Trust Fund provides funding to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the Legislature has authorized funds to pay the local and state agency administrative and oversight costs associated with the cleanup of releases from underground storage tanks; and Whereas the direct and indirect costs of overseeing removal or remedial action at the above site are funded, in whole or in part, from the Federal Trust Fund; and Whereas the above individual(s) or entity(ies) have been identified as the party or parties responsible for investigation and cleanup of the above site; YOU ARE HEREBY NOTIFIED that pursuant to Title 42 of the United States Code, Section 6991b(h)(6) and Sections 25297.1 and 25360 of the Health and Safety Code, the above Responsible Party or Parties shall reimburse the State Water Resources Control Board not more than 150 percent of the total amount of site specific oversight costs actually incurred while overseeing the cleanup of the above underground storage tank site, and the above Responsible Party or Parties shall make full payment of such costs within 30 days of receipt of a detailed invoice from the State Water Resources Control Board.

Ms. Fredna Gustavson July 1, 1991

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110 Westwood Drive
Santa Cruz, CA 95060

Jane Fruin
Chevron USA
P. O. Box 2833
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Sincerely,

Michael Porter

MICHAEL G. PORTER, Hazardous Materials Specialist
Hazardous Materials Management Division

MGP:cmc

Enclosure

cc: Donna Shimeck, State Water Resources Control Board
James Munch, San Diego Regional Water Quality Control Board

WP\T01722.2

ADDITIONAL INFORMATION/RESPONSIBILITIES

A. Notify the local Fire Department immediately, if a fire/explosion hazard exists.

B. Cease the unauthorized release immediately by removing the hazardous substance from the system's leaking component(s), as necessary. Give careful consideration to proper tank ballast in areas of high groundwater. Ballast should be inert and compatible with tank residues (i.e., water).

C. Maintain the site in a safe and secure manner. The excavation, if any, may be back-filled for safety reasons until site decontamination activities commence.

D. Send copies of all correspondence to the Regional Water Quality Control Board. San Diego Region (619) 265-5114, Colorado River Basin Region (619) 346-7491.

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3. Describe the method of clean-up implemented to date, proposed clean-up actions, and approximate costs of actions taken to date.

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5. Describe the proposed method of repair or replacement of the underground tank/piping.

6. Include the tank operator's name and telephone number, the name and telephone number of any consultants retained, and a projection of scheduled and proposed activities.

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
(619) 236-2237

STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR
(619) 236-7633

DEPARTMENT OF HEALTH SERVICES

1700 PACIFIC HIGHWAY, SAN DIEGO, CALIFORNIA 92101-2417

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92138-5261
(619) 338-2222

DATE: 6-17-91

MEMORANDUM FOR: California Regional Water Quality Control Board, San Diego Region

FROM: Hazardous Materials Management Division (HMMD)

SUBJECT: **UNAUTHORIZED RELEASE OF HAZARDOUS MATERIAL FROM AN UNDERGROUND STORAGE TANK T#** 01722 / H12687-002

Evidence of an unauthorized release of a hazardous material has been noted by HMMD staff at the site described below:

Site Address	7651 ALVARADO RD. (Street)	LA MESA (City)	92041 (Zip Code)
Property Owner	FREDNA GUSTAVSON (Name)		
	110 WESTWOOD RD S (Street)	SANTA CRUZ (City)	95060 (Zip Code)
	Telephone		
Tank Operator	CHEVRON USA (Name)	694-9157 (Telephone)	

The following information is provided for your consideration and action in accordance with the authority and responsibilities of the Regional Board.

Suspected Source(s) GASOLINE TANKS + ASSOCIATED PIPING

Amount Released UNKNOWN (Gallons) UNKNOWN (Time Period)

Release Detected By:

____	Routine Tank Testing	X	Evidence of Soil Contamination Detected During Tank Removal
____	Test of Piping		
____	Inventory Audit	____	Evidence of Leaky Tank Detected During Tank Removal
____	Monitoring Device/Well	____	Other

Description of underground tank systems on property (number, type, age, capacity, material stored, evidence of leakage). 4 TANKS ON PROPERTY- 10K, 10K - SR GASOLINE AND 1 - 8K WASTE OIL TANK 1 - HEAVY CORROSION, HEAVY PITTING / T002, T003, T004 - MED CORROS. ON SM UNIT PITTING - NO HOLES NOTED. HOLES IN S. END.

Date Release Reported to or Detected by HMMD 6-13-91

Contact With Other Agencies ____

Additional Comments: [redacted]

Please call the HMMD at 338-2222 if you have questions or comments regarding the above.

HMMD Staff ROBERT RAPISTA

T1722

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
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Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

May 31, 1991

OFFICIAL NOTICE

Chevron USA
1300 South Beach Boulevard
La Habra, CA 90632
Attn: Mike Kanitra

Dear Mr. Kanitra:

RE: T#1724/H00295: 5404 EL CAJON BOULEVARD, SAN DIEGO, CA
T#1900/H13428-002: 1832 WEST WASHINGTON, SAN DIEGO, CA
T#1715/H12636-002: 5111 COLLEGE AVENUE, SAN DIEGO, CA
T#1722/H12687-002: 7651 ALVARADO ROAD, SAN DIEGO, CA

The information submitted regarding the integrity test failure at the above referenced sites has been reviewed.

A failed integrity test was reported to the Hazardous Materials Management Division (HMMD) on May, 7, 1990, for the 10,000 gallon Unleaded tank (T1724/H00295). An Unauthorized Release Report was submitted to HMMD for review and on September 27, 1990, a notice acknowledging the receipt of the Unauthorized Release Report was sent to Libby Hadley. A past due notice was sent to your attention on January 2, 1991 and to date no update reports have been submitted. Within fourteen working days submit an update report to this office for review.

Integrity test results submitted by CRJ., Inc. indicate the 10,000 gallon Super Unleaded tank failed January 28, 1990. An Official Notice (T1900/H13428-002) was sent to your attention on December 5, 1990. On January 23, 1991, we received a packet which included the Official Notice, an a Unauthorized Release Report form, a letter from Robert Jackson stating repairs were made to the top of the tank , and the re-test results (passed February 2,1990). Debbie Cebelak of HMMD contacted CRJ, Inc. December 21, 1990 requesting a work order documenting the repairs and to date we have not received that information. I am sending back the original notice and the Unauthorized Release Report form for completion. Submit the completed form and a work order from CRJ, Inc. within fourteen working days.

Integrity test results submitted by Tanknology Corporation indicate the 7,500 gallon Super Unleaded tank failed May 16, 1990 (T1715/H12636-002). A review of the files show that an Unauthorized Release Report form was not completed for this site, nor have any updates been submitted. Enclosed is an Unauthorized Release Report form to be submitted within fourteen working days.

Integrity test results submitted by Tanknology Corporation indicate the 10,000 gallon Unleaded tank failed February 23, 1990 (T1722/H12687-002). An Unauthorized Release Report was submitted to this office for review. However, since the last Official Notice sent to your attention December 28, 1990, no further updates have been submitted. Within fourteen working days submit your supplemental update report for this site.

I appreciate your efforts in resolving these open cases. Please contact me at (619) 338-2207 if you have any questions.

Sincerely,

Mary Peters

MARY PETERS, Hazardous Materials Specialist
Hazardous Materials Management Division

MP:cmc

Enclosure

WP\KANITRA

MEETING/PHONE/PEER REVIEW

RECORD

H	12687 cor
DATE:	1/14/91
TIME:	4:12
PAGE	1 OF 1
SPEC:	MCP

(Check One)

[ ] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 453-8415
Name: Bill Lines / GTI

[ ] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:
told him of my priorities for site:
(1) backfill gasoline excavation
(2) cover stockpiles and secure gate
(3) begin monitoring groundwater @ site to see if there is a problem
(4) finish excavating soil @ site

- asked him for a structural map of the contact between the Stadium conglomerate and Colluvium.
- asked him to re-analyze the next two highest waste oil samples for total PCB - because of low recoveries & TRPH was low.

MEETING/PHONE/PEER REVIEW

RECORD

H 12687-002
DATE: 8/10/92
TIME: 8:36
PAGE 1 OF 1
SPEC: M6P

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation to

Phone: ( ) 460-8980
Name: Michael ~~G. Porter~~ Habib

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd., La Mesa - access agreement

SUMMARY:

returned call @ 836

9:06 he called back

- he said that Chevron still possesses the property - they have not returned it to him.
- he will give access to Chevron - he has no problem with that
- he asked how long till site cleaned up?
- I said that the soils are clean and now the groundwater must be monitored for a period of at least one to two years.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	8/10/92
TIME:	9:24
PAGE	1 OF 1
SPEC:	MCOP

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation to

Phone: (310) 694-7304
Name: Ruben Aviles / Chevron

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd., La Mesa

SUMMARY: told Lein of my conversation w/ Michael Habib.
- I asked Ruben to try one more time to gain access to the property.
- If after one more round of "no access letters" from property owner, I will write a letter to the property owner requesting that he grant access to Chevron w/in x days, or he will become the lead RP.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	8/6/92
TIME:	3:01
PAGE	1 OF 1
SPEC:	M6P

(Check One)

[ ] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 460-8980
TO — Name: Michael Habib / Chevron

[ ] Peer Review — Name: prop owner

TOPIC: 7651 Alvarado Rd., LaMesa - access for Chevron

SUMMARY: not available - left a message on his answering machine requesting that he return my call so we can discuss access for Chevron to his property, so Chevron can finish their environmental investigation.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	8 / 6 / 92
TIME:	2 : 55
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) ___ - ____
Name: Ruben Aviley / Chw

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

property owner will not give access to
Chairman: Michael Habib Royal Commerce Co.
11462 Shadow Ranch Rd
La Mesa CA 91941
619/ 460-8980

- may 4 license agreement has not been signed
- S

DHS:HM-9047 (6/91) County of San Diego, DHS, EHS, HMMD, Site Assessment & Mitigation (SA/M)

SITE VISIT FORM

SITE: former Chevron # 9-
ADDRESS: 7651 Alvarado Rd., La Mesa
H & T #'s: 411687-002
DATE & TIME: 7-20-92 4:00 - 4:42
MILEAGE: 65,404 (HQ) ⇒ 65418 (site)
PERSONNEL: MGP

NOTES:

- site is backfilled
- no excavations or stockpiles
- wells have been preserved
- fenced & gate is locked
- no notification posted.

NO PICTURES

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/20/92
TIME:	9:30
PAGE	1 OF 1
SPEC:	M6P

(Check One)

[ ] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation
f/to

Phone: (___) 462-3193
Name: Jesse Wo / La Mesa

[ ] Peer Review

Name: Building Department

TOPIC: 7671 Alvarado Rd. La Mesa
OK to backfill site

SUMMARY:

Jes wanted to know if we (HMMD) had ok'ed the ~~of~~ backfilling of soil @ the site.

I gave him my oral approval that it is ok for Chevron to backfill the soils at the site. The project is not closed and will require at least one year of groundwater monitoring.

File copy

County of San Diego

J. WILLIAM COX, M.D., Ph.D
DIRECTOR
STEVEN A. ESCOBOZA
ASSISTANT DIRECTOR

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

OFFICE OF THE DEPUTY DIRECTOR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2211
Fax #: 338-2174

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

OFFICIAL NOTICE

July 20, 1992

Ruben O. Avilez, Environmental Engineering
Chevron U.S.A. Products Company
P.O. Box 2833
La Habra, CA 90632-2833

Dear Mr. Avilez:

RE: UNAUTHORIZED RELEASE #H12687-002/T01722, FORMER CHEVRON #9-3521
7651 ALVARADO ROAD, LA MESA, CA 91941

The initial Unauthorized Release Report submitted by yourself dated July 6, 1992, for the site referenced above conforms to the initial written reporting requirements, as prescribed in the California Health and Safety Code, Chapter 6.7 and the California Code of Regulations, Title 23. For the duration of the site mitigation process, you are required to provide periodic, brief, written update reports to this office and the Regional Water Quality Control Board (RWQCB). These reports must be submitted every 90 days and should include a brief summary of the completed and projected site assessment and mitigation activities. The initial update report has already been submitted.

The extent of contamination must be determined as soon as possible and a comprehensive site assessment report submitted to this office and the RWQCB within 120 days. The comprehensive report addressing the items on the enclosed "Site Assessment Report Check List" has already been submitted.

If during the site mitigation process any significant situation is encountered that was not known nor anticipated, please immediately notify me and provide a written statement describing the situation to amend the Unauthorized Release Report. As a reminder, a copy of each manifest for hauling any hazardous waste generated as a result of the site assessment and mitigation procedure must be included with the written supplemental reports.

If you have any questions on this matter please contact me at (619) 338-2539.

Sincerely,

Michael G. Porter

MICHAEL G. PORTER, Hazardous Materials Specialist
Hazardous Materials Management Division

MGP:cl

Enclosure

cc: James Munch-RWQCB

WP\T01722

MEETING/PHONE/PEER REVIEW

RECORD

H	12687 - 002
DATE:	7/17/92
TIME:	7 : 36
PAGE	1 OF 1
SPEC:	M6P

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) _____
f — Name: Ruben Aviles / Chev

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:
he wants to backfill the soil @ the site, but can't because he needs a grading permit from the City. And he ~~should not call~~ can't get a permit until the City has ok from HMMD.
I said I'll call the City. He'll get back to me w/ a name & and number.

MEETING/PHONE/PEER REVIEW

RECORD

H	L2687-002
DATE:	7/14/92
TIME:	8:36
PAGE	1 OF 1
SPEC:	M6P

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation
f/to

Phone: (___) ___-____
Name: Bill Lines / GTI

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd., La Mesa
Former Chevron

SUMMARY:

pump island - ND
waste oil - .14, .15, ND
} confirmation samples

I said FAX me a copy of the new site plan w/ new site values if the locations are good, I'll ok to backfill.

DHS:HM-9047(a) (6/91) County of San Diego, DHS, EHS, HMMD, Site Assessment & Mitigation (SA/M)

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/14/92
TIME:	1 : 36
PAGE	1 OF 1
SPEC:	MGL

(Check One)

[ ] Meeting Minutes

Meeting Location: _____

(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation To

Phone: (310) ~~753~~ 694 - ~~8877~~ 7354

Name: Ruben Avilez / Chevron

[ ] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

OK to backfill

SUMMARY:

not there; left voice mail message -

- OK to backfill all of the stockpiles into all of the excavations with the condition that the 900 yd^3 be placed at the top of the backfill, not in contact w/ the groundwater.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/14/92
TIME:	1:24
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation to

Phone: (___) 453-8415
Name: Bill Lines / GTI

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa
OK to backfill

SUMMARY:
- ok to backfill all stockpiles into the excavations; but, put the 900 yd^3 stockpile nearest to surface - not in contact w/ the groundwater.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/6/92
TIME:	11:48
PAGE	1 OF 1
SPEC:	M6P

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation f/u

Phone: (___) 453-8405
Name: Bill Linn

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

He received a copy of the FAX from Chuman regarding areas that need additional soil sampling.

He'll FAX me a plot plan of additional soil sample locations that are planned.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/06/92
TIME:	2:00
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 453-8415
Name: Bill Lines / GTI

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd., LM

SUMMARY: returned call - not available
2:00 gave him verbal "ok" on locations.
he'll probably go out there today to
collect the samples.

FAX TRANSMITTAL:

TO: Ruben Avilez PHONE # 310/694 7304

FAX PHONE # 310/694-9168

FROM: Mike Porter PHONE # 619/338 2539

DATE: 7-2-92 TIME:

COMMENTS: 5111 College Ave & 7651 Alvarado Rd. shaded areas indicate confirmation needed.

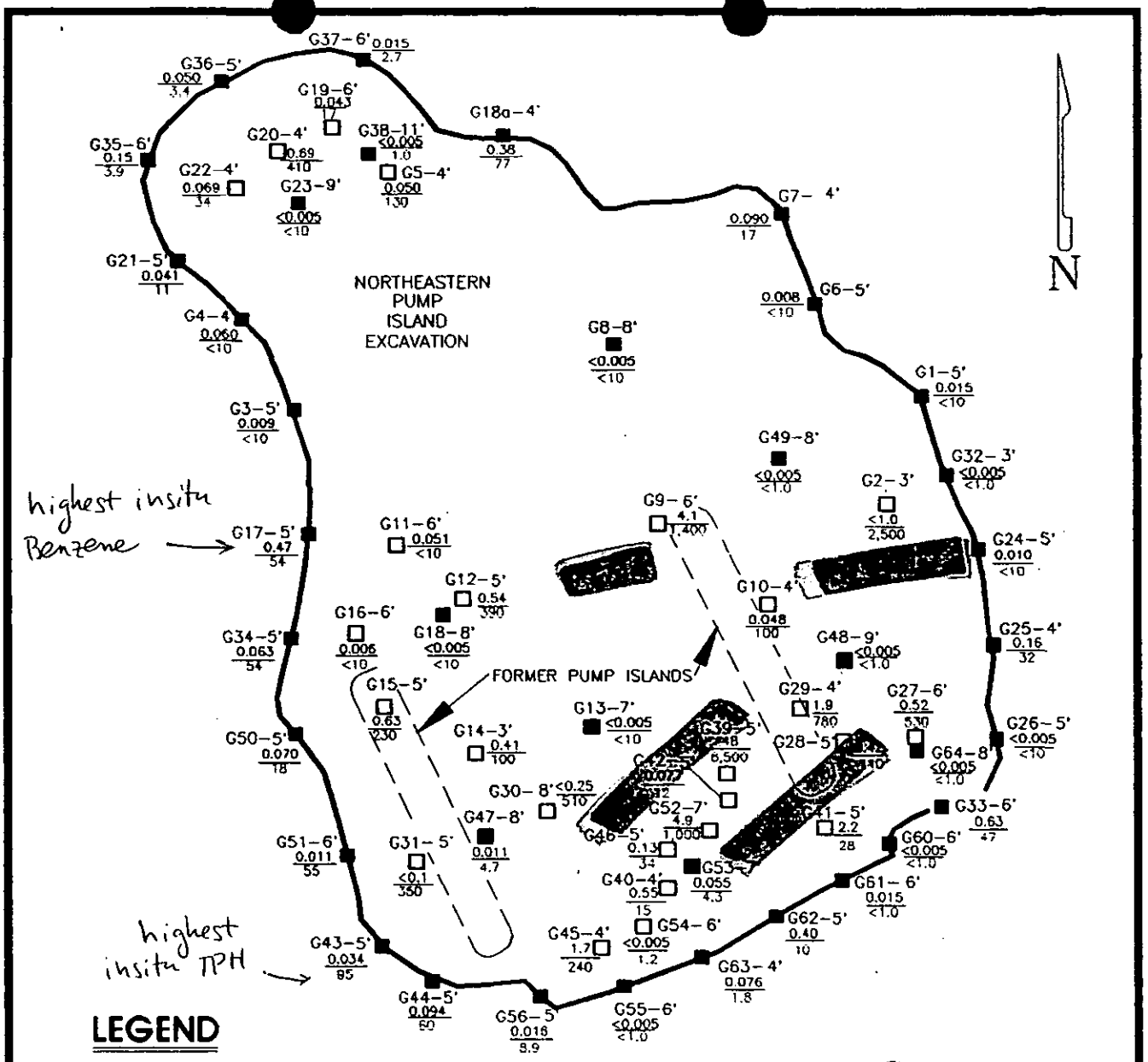
Total number of pages including cover page: 5
If you have questions or do not receive the correct number of pages, please call M Porter at 619/338 2539

DHS:HM-9165 (1/92)

County of San Diego
Department of Health Services

-N-MTT CONFIRMATION REPORT **

[illegible]l No.	:	[illegible]
[illegible]iver	:	[illegible]-HKTG-LaHAB[illegible]
[illegible]mitter	:	619-338-2377
Date	:	Jul 2.92 15:33
[illegible]	:	04'23
[illegible]	:	FINE
[illegible]	:	05 Page
[illegible]		
Result		



LEGEND

- ■ SAMPLE LOCATION
- □ SAMPLE LOCATION–REPRESENTS EXCAVATED SOIL
- 0.094 / 34 — BENZENE / TPH_g AS GASOLINE
- 0.005 / 10 OR 1.0 * — DETECTION LIMIT BENZENE / DETECTION LIMIT TPH_g
- * MOBILE LABS REPORTED DIFFERENT DETECTION LIMITS FOR TPHg.
- RED = TPH_g >100 ppm
- ALL ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

additional sampling areas.

NOTE:
1) SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.

0 15 30

APPROX SCALE IN FEET

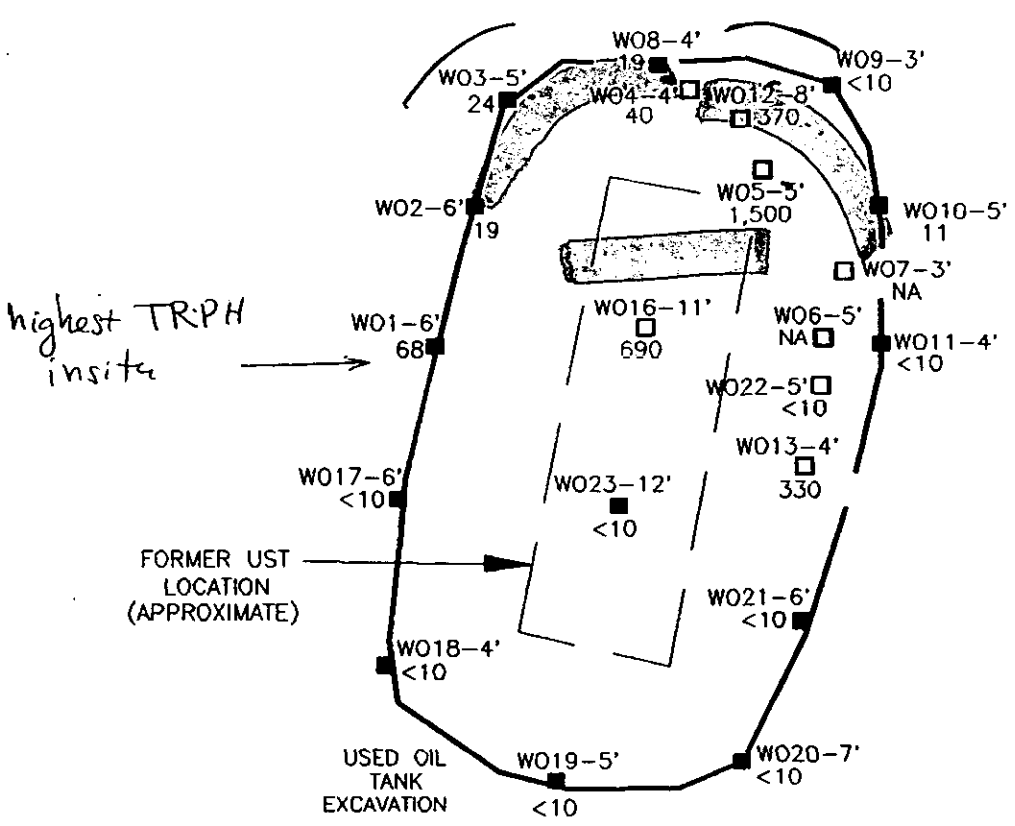
GROUNDWATER TECHNOLOGY, INC.

1525-NPI

DRAFTED 05/27/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

NORTHEASTERN PUMP ISLAND EXCAVATION

FIGURE 8



∇ ~ 11-12'



additional sampling

LEGEND

■	SAMPLE LOCATION
□	SAMPLE LOCATION REPRESENTS EXCAVATED SOIL
24	TPH_{ir} AS USED OIL BY EPA METHOD 418.1
10	TPH_{ir} DETECTION LIMIT (PPM)
NA	NOT ANALYZED
RED =	TPH_{ir} >100 PPM
	ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

NOTE:
1) SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.

0 5 10

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-UOE

DRAFTED 05/26/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7661 ALVARADO ROAD
LA MESA, CA
023402346

USED OIL TANK EXCAVATION

FIGURE 6

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/2/92
TIME:	12 : 48
PAGE	1 OF 1
SPEC:	MCP

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation

Phone: (___) ___-____
Name: B Lines / GTI

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd, LM

SUMMARY:
need further confirmation samples
in w/o and pump island excavation.
I'll call Ruben.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/6/92
TIME:	2:00
PAGE	1 OF 1
SPEC:	MCP

(Check One)

[ ] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) ___-____
F — Name: Ruben Avila / Chen

[ ] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY: told him that further confirmation sampling will be needed to make sure the excavation is delineated. After delineation, stockpiles may be ~~stockpiled~~ backfilled.

MEETING/PHONE/PEER REVIEW

RECORD

H 12687-002	
DATE:	7/02/92
TIME:	8:48
PAGE	1 OF 1
SPEC:	MCP

(Check One)

[X] Meeting Minutes — Meeting Location: 3rd fl
(Attach Sign-up Sheet HM-9048)

[ ] Telephone Conversation — Phone: (___) ___-____
Name: Jim Munch / RWQCB

[ ] Peer Review — Name:

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

- locate the 900 yd^3 SP near to the surface (high B) - not in contact w/ ▽
- sample w/o ex. @ interface on N/NW end for confirmation
- sample NE pump island excavation further as shown in blue on fig 8

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/1/94
TIME:	12:30
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 466-7246
to — Name: Dr. Dean Schulman

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd., La Mesa - complaint about uncovered stockpiles

SUMMARY:
not available, but I left a message on his answering machine:

- I investigated complaint, requested that Chevron cover stockpile immediately and told him the levels of benzene and lead in the stockpiles. If he has any questions call me @ 338-2539.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/1/92
TIME:	12:50
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation to

Phone: (310) 694-7304
Name: Ruben Aviles / Chevron

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa
recovering of stockpiles

SUMMARY:

He is not sure whether the stockpiles have been covered, or not. They were supposed to have been covered today. I asked him to call me back and confirm that they had been covered.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	7/01/96
TIME:	1:18
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation
t/S

Phone: ( ) _____
Name: Dr. Schulman

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd, LM

SUMMARY:
He had many questions about the site and environmental practices in general. I made the comparison between the levels of onsite Pb and lead levels that you can find next to the freeway on the shoulder. Then he asked about about the potential for sandbases to capture airborne lead contaminants. I said that it probably has that potential, but the shoulder of the road would be higher.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	6/29/91
TIME:	8:30
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (310) 694-7304
to — Name: Chevron / Ruben Avilez

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa - complaint about stockpiles and odors

SUMMARY:

not there; left a voice mail message requesting that stockpiles be covered today.

he called back @ 8:36 - he will have GTI cover the stockpiles today.

ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS MATERIALS MANAGEMENT DIVISION
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

[redacted] NO. ↓ /PROP 65 NO. _____
920616

COMPLAINT/PROPOSITION 65 DISCLOSURE REPORT

DATE/TIME RECEIVED 6-25-92 1:30pm
DATE/TIME OF INCIDENT ongoing
LOCATION OF PROBLEM TB 62 C1 1992
7651 Alvarado Rd
CITY La Mesa ZIP 91941
NEAREST CROSS STREET _____
BUSINESS NAME Chevron
ESTABLISHMENT NO. H-12687
PREVIOUS COMPLAINTS _____
REFERRED: YES _____ NO _____
AGENCY _____

RECEIVED BY Pam Raptis
ASSIGNED TO Mike Porter
REPORTED BY [redacted]
AGENCY _____
ADDRESS _____
PHONE [redacted]

_____ IMMEDIATE ACTION
✓ ROUTE TO SPECIALIST
_____ ROUTINE/WORK IN PROGRESS
_____ ACTION TAKEN BY OTHER AGENCY
_____ INFO PREVIOUSLY RECEIVED
REVIEWED BY PERyA

NATURE OF COMPLAINT/DISCHARGE Soil Piles are not covered and he is concerned for health due to benzene and lead contamination entering the air.

ESTIMATED QUANTITY DISCHARGED _____ QUANTITY THREATENED TO BE RELEASED _____

HEALTH THREAT/EXPOSURES - EXPLAIN _____

CURRENT STATUS _____

A) Is this report being submitted as a Proposition 65 disclosure? YES _____ NO _____

B) Is the person making the report a designated government employee? YES _____ NO _____

C) Designated employee stated that discharge/threatened discharge is likely to cause substantial injury to the public health or safety. YES _____ NO _____

DATE INVESTIGATED 6-29-92 MGP

ACTION TAKEN Chevron contacted and requested to immediately cover stockpiles w/ plastic sheeting. Later this week a decision will be made about whether stockpiles will be backfilled onsite or taken to a landfill. Stockpiles have been analyzed for lead and benzene and, respectively, have less than 1.7 mg/kg (organic Pb) and 0.49 mg/kg.

RESPONSIBLE PARTY Chevron Products USA Inc

ADDRESS P.O. Box 2833, La Habra CA 90632-2833 - Ruben Avila

PHONE 310/694-7304 VEHICLE DESCRIPTION NONE

ENFORCEMENT AGENCIES CONTACTED: ____ YES ✓ NO

____	FIRE	____	RWQCB
____	POLICE	____	COAST GUARD
____	CAL TRANS	____	CAL FISH & GAME
____	APCD	____	OOP
____	DEPT OF AGRICULTURE	____	OTHER
____	INDUSTRIAL WASTE	____	CAL OSHA

FURTHER ACTION NEEDED NONE

COMPLAINT JUSTIFIED: ✓ YES ____ NO

WRITTEN NOTICE ISSUED: ____ YES ✓ NO

COMPLAINANT CONTACTED: ✓ YES ____ NO

IF NO, WHY NOT? EXPLAIN ____

INVESTIGATOR MGP 6-29-92 DATE ____

7651 Alvarado Rd., La Mesa H12687-002
Comprehensive S/A by GTI 6-12-92

- 3 gas UST & w/o UST removed 6-13-91

highest benzene in stockpile samples = 0.49 ppm

need to validate lab work

highest TPH insitu:

~~S~~NE PUMP ISLAND EXCAVATION = 95 ppm

S Pump island excavation = <10 ppm

highest Benzene insitu:

NE pump island exc. = 0.47 ppm

S pump island excavation = < 0.005

highest TRPH insitu = 6.8 ppm ~~for~~ waste oil excavation

* an excavated sample @ 7800 ppm TRPH =

< 0.05 B < 0.1 PCB

< 0.05 T 1.7 Org Pb

< 0.05 E ND Halogenated

0.023 X

waste oil stockpile (sect. 22) 100 yd^3
4 samples $\bar{x}_u$ = 98.6 ppm TRPH

gas stockpile sect. 1 → 10 1000 yd^3
40 samples $\bar{x}_u$ = 26.4 ppm TPH

gas stockpile sect. 11 → 19 900 yd^3
36 samples $\bar{x}_u$ = 121 ppm TPH

gas stockpile sect 21 100 yd^3
4 samples all ≤ 10 ppm TPH

gas stockpile sections 20 & 23 200 yd^3
8 samples $\bar{x}_u$ = 17.2 ppm TPH

... STATISTICAL SUMMARY TABLE ...

MEAN... 13

NUMBER OF SAMPLES... 8

SUM (Xi)... 104 SUM (xi) SQUARED... 10816

SQUARE OF SUM Xi/N... 1352

SUM OF Xi^2... 1856

VARIANCE... 72

ARE THESE VALUES REASONABLE ? (Y OR N)?

200 yd³ stockpile sections 20 - 23

REGULATORY THRESHOLD (clean up level)....? 100

SELECT A T-VALUE FROM THE SA/M MANUAL FOR n-1 SAMPLES...
STUDENT T-VALUE FOR 90% CONFIDENCE....? 1.397

REGULATORY THRESHOLD... 100
STUDENT T... 1.397
RT - MEAN = DELTA... 87

CALCULATE CONFIDENCE INTERVAL

... VARIANCE= 72
... STUDENT T= 1.397
... MEAN CONC= 13
... DELTA= 87
... STANDARD DEVIATION= 8.485281
... STANDARD ERROR= 3

...UPPER CONFID= 17.191
...LOWER CONFID= 8.809
...TOTAL NUMBER OF SAMPLES REQUIRED..... 1.856465E-02

RE-RUN USING NEW THRESH-HOLD (Y OR N).... ??

... STATISTICAL SUMMARY TABLE ...

MEAN... 10

NUMBER OF SAMPLES... 4

SUM (Xi)... 40 SUM (xi) SQUARED... 1600

SQUARE OF SUM Xi/N... 400

SUM OF Xi^2... 400

VARIANCE... 0

ARE THESE VALUES REASONABLE ? (Y OR N)?

1000 yd^3 Stockpile section #21

REGULATORY THRESHOLD (clean up level)....? 100

SELECT A T-VALUE FROM THE SA/M MANUAL FOR n-1 SAMPLES...
STUDENT T-VALUE FOR 90% CONFIDENCE....? 1.415

REGULATORY THRESHOLD... 100
STUDENT T... 1.415
RT - MEAN = DELTA... 90

CALCULATE CONFIDENCE INTERVAL

... VARIANCE= 0
... STUDENT T= 1.415
... MEAN CONC= 10
... DELTA= 90
... STANDARD DEVIATION= 0
... STANDARD ERROR= 0

...UPPER CONFID= 10
...LOWER CONFID= 10
...TOTAL NUMBER OF SAMPLES REQUIRED..... 0

RE-RUN USING NEW THRESH-HOLD (Y OR N).... ??

REGULATORY THRESHOLD (clean up level)....? 100

SELECT A T-VALUE FROM THE SA/M MANUAL FOR n-1 SAMPLES...
STUDENT T-VALUE FOR 90% CONFIDENCE....? 1.307

REGULATORY THRESHOLD... 100
STUDENT T... 1.307
RT - MEAN = DELTA... 7.111115

CALCULATE CONFIDENCE INTERVAL

... VARIANCE= 16675.59
... STUDENT T= 1.307
... MEAN CONC= 92.88889
... DELTA= 7.111115
... STANDARD DEVIATION= 129.134
... STANDARD ERROR= 21.52233

...UPPER CONFID= 121.0186
...LOWER CONFID= 64.7592
...TOTAL NUMBER OF SAMPLES REQUIRED..... 563.3225

RE-RUN USING NEW THRESH-HOLD (Y OR N).... ??

0.49 ppm B / 450 ppm TPH

900 yd^3 stockpile

sections

11 → ~~36~~ 19

... STATISTICAL SUMMARY TABLE ...

MEAN... 92.88889

NUMBER OF SAMPLES... 36

SUM (Xi)... 3344 SUM (xi) SQUARED... 1.118234E+07

SQUARE OF SUM Xi/N... 310620.5

SUM OF Xi^2... 894266

VARIANCE... 16675.59

ARE THESE VALUES REASONABLE ? (Y OR N)?

... STATISTICAL SUMMARY TABLE ...

MEAN... 20.4

NUMBER OF SAMPLES... 40

SUM (Xi)... 816 SUM (xi) SQUARED... 665856

SQUARE OF SUM Xi/N... 16646.4

SUM OF Xi^2... 49476

VARIANCE... 841.7847

ARE THESE VALUES REASONABLE ? (Y OR N)?

1000 yd³ stockpile sections 1 → 10

REGULATORY THRESHOLD (clean up level)....? 100

SELECT A T-VALUE FROM THE SA/M MANUAL FOR n-1 SAMPLES...
STUDENT T-VALUE FOR 90% CONFIDENCE....? 1.303

REGULATORY THRESHOLD... 100
STUDENT T... 1.303
RT - MEAN = DELTA... 79.6

CALCULATE CONFIDENCE INTERVAL

... VARIANCE= 841.7847
... STUDENT T= 1.303
... MEAN CONC= 20.4
... DELTA= 79.6
... STANDARD DEVIATION= 29.01353
... STANDARD ERROR= 4.587441

...UPPER CONFID= 26.37744
...LOWER CONFID= 14.42256
...TOTAL NUMBER OF SAMPLES REQUIRED..... .2255609

RE-RUN USING NEW THRESH-HOLD (Y OR N).... ??

... STATISTICAL SUMMARY TABLE ...

MEAN... 71.25

NUMBER OF SAMPLES... 4

SUM (Xi)... 285 SUM (xi) SQUARED... 81225

SQUARE OF SUM Xi/N... 20306.25

SUM OF Xi^2... 23657

VARIANCE... 1116.917

ARE THESE VALUES REASONABLE ? (Y OR N)?

100 yd³

section 22

waste oil stockpile

high = 100 ppm

REGULATORY THRESHOLD (clean up level)....? 100

SELECT A T-VALUE FROM THE SA/M MANUAL FOR n-1 SAMPLES...
STUDENT T-VALUE FOR 90% CONFIDENCE....? 1.638

REGULATORY THRESHOLD... 100
STUDENT T... 1.638
RT - MEAN = DELTA... 28.75

CALCULATE CONFIDENCE INTERVAL

... VARIANCE= 1116.917
... STUDENT T= 1.638
... MEAN CONC= 71.25
... DELTA= 28.75
... STANDARD DEVIATION= 33.4203
... STANDARD ERROR= 16.71015

...UPPER CONFID= 98.62123
...LOWER CONFID= 43.87877
...TOTAL NUMBER OF SAMPLES REQUIRED..... 3.625541

RE-RUN USING NEW THRESH-HOLD (Y OR N).... ??

SITE VISIT FORM

SITE: Former Chevron
ADDRESS: 7651 Alvarado Rd, La Mesa
H & T #'s: H12687-002 TO1722
DATE & TIME: 6-5-13-92 6:42 → 8:48 4J9782 Z04
MILEAGE: 26702 (HOME) → 26709 (site) → 26722 (HQ)
PERSONNEL: Mike Porter-HAMD, Bill Lines & Barry Pulver GTI

NOTES:

- met Bill & Barry @ the site to discuss the scope of the field mapping they are planning to conduct
- they showed & explained the difficulties w/ the excavation exposures and how the exposures won't tie together to make a "perfect" fence diagram
- discussed how limited the exposures are in the excavations
- Bill & Barry worried that they may not be able to come up w/ some great, grand stratigraphic model for the site that may or help explain the hydrogeology.
- I told them not to worry about positive or negative conclusions - just see if the stratigraphy is mappable. If it is mappable, conclusions may possibly be drawn from this site. They are not under any obligation to

(OVER)

come up w/ a concrete explanation or model for the Stadium Conglomerate @ this site.

- I suggested that they visit the road cuts that have been made by the installation of Hwy 125 in La Mesa. This roadcut is located near Fletcher and Amoya

- Asked them to try to tie into their model of the stratigraphy, the groundwater elevations in the wells, in the excavations, and the stream level in Alvarado Creek.

- Bill asked if they can backfill the stockpile.
- I asked him to submit to me the stockpile analyses, excavations maps and analyses and I'll make a decision.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	5/27/92
TIME:	4:00
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[ ] Meeting Minutes — Meeting Location: _____ (Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation from — Phone: (____) ____-____ Name: Bill Lines / GTI

[ ] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

- wants to backfill
  need - insitu lab values
  - stock characterization
  - x-sections
- he doesn't know whether to submit the complete report or partial report

MEETING/PHONE/PEER REVIEW

RECORD

H	12687 - 002
DATE:	5/14/92
TIME:	3:48
PAGE	1 OF ___
SPEC:	M6P

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation fra — Phone: (___) ___-____ Name: Bill Lines / GTI

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

- water seems to be occurring in the gravel lenses above the Stadium ~~&~~ conglomerate
- he believes the water that has filled the wells, has come from the gravel lenses
- stream elevation is 10 feet lower than well elevation

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	5/7/92
TIME:	2:00
PAGE	1 OF 1
SPEC:	MCAP

(Check One)

[ ] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 453-8465
Name: Bill Lines / GTI

[ ] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY: mapping site geology could
- raise cleanup levels
- need fewer wells
- apply to other sites

- Bill sees the value in conducting additional investigative geology

4:12
- need resolution of @ least 1' vertically & horizontally
- will meet @ site Wed @ 7AM

MEETING/PHONE/PEER REVIEW

RECORD

H	12687 - CO2
DATE:	5/7/92
TIME:	3 : 30
PAGE	1 OF 1
SPEC:	MCP

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation to

Phone: (310) 694-7304
Name: Rubin Arevilez / Chevron

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY: not available -
called back @ 3:48
- explain the value and benefit of conducting additional geological site characterization. This characterization may result in -
  - fewer wells
  - higher clean up levels
  - application to other Chevron sites
- he agreed w/ this and will allow GTI to perform 1 day of field work.

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	5/5/92
TIME:	3:12
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 453-8415
to — Name: Bill Lines / GTI

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd., La Mesa

SUMMARY:

got soil sample results back for stockpile
12/32 are > 100 ppm TPH
high = 520 ppm TPH

- excavation confirmation highest was < 100 ppm NDD
- he talked w/ Chevron about fence and bar diagrams
- Chevron said no to diagrams.
- I said I will require these instead of additional wells
- Next property user wants to pave property and will sell RV's
- prop user will respect wells - I suggested putting a Chevron representative from Chevron & GTI
- 1 well in corner was hit, it is most down gradient

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	9/21/92
TIME:	11:00
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[ ] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation S/to — Phone: (___) 453-8415
Name: Bill Cinea / GTI

[ ] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

update - will characterize stockpile this week
- Chevron hopes to backfill some of the soil and haul some of it
- finished delineation
* - I asked for fence diagrams to describe geology this may require the need for a larger gw investigation
- NO → very hot

MW-1 - clean (east)
MW-2 = 800 ppb TPH (North corner)
48 ppb Benzene
MW-3 - 51,000 ppb TPH side gradient

- lease is up in one month
- they'll need to "clear the soils"
- I explained difference between random stockpile characterization and gridded (directive) sampling. May have to require re-sample (some of the stockpiles) if stockpile surgery performed.

MEETING/PHONE/PEER REVIEW

RECORD

H12687-002
DATE: 4/17/92
TIME: 5:24
PAGE 1 OF 1
SPEC: MOP

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation to — Phone: (___) 453-8415
Name: Bill Lines / GTI

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

- 500 yd from northern pump island excavation
  40' x 50' x 8' deep
- clayey sand (product)
  pebbly sand stringer (wet) / below
- southern pump island
  - re-excavated and extent didn't appear to go any further
- waste contam didn't go much further than original extent
- question - just run the highest TRPH waste for ancillary compounds (one more sample)
  - I am requesting this.

189
92
97

SITE VISIT 10:12 → 12:42

7651 Alvarado Rd, La Mesa

H12687-002 4-7-92

Dave Salter / GTI, Mike Porter / SAM

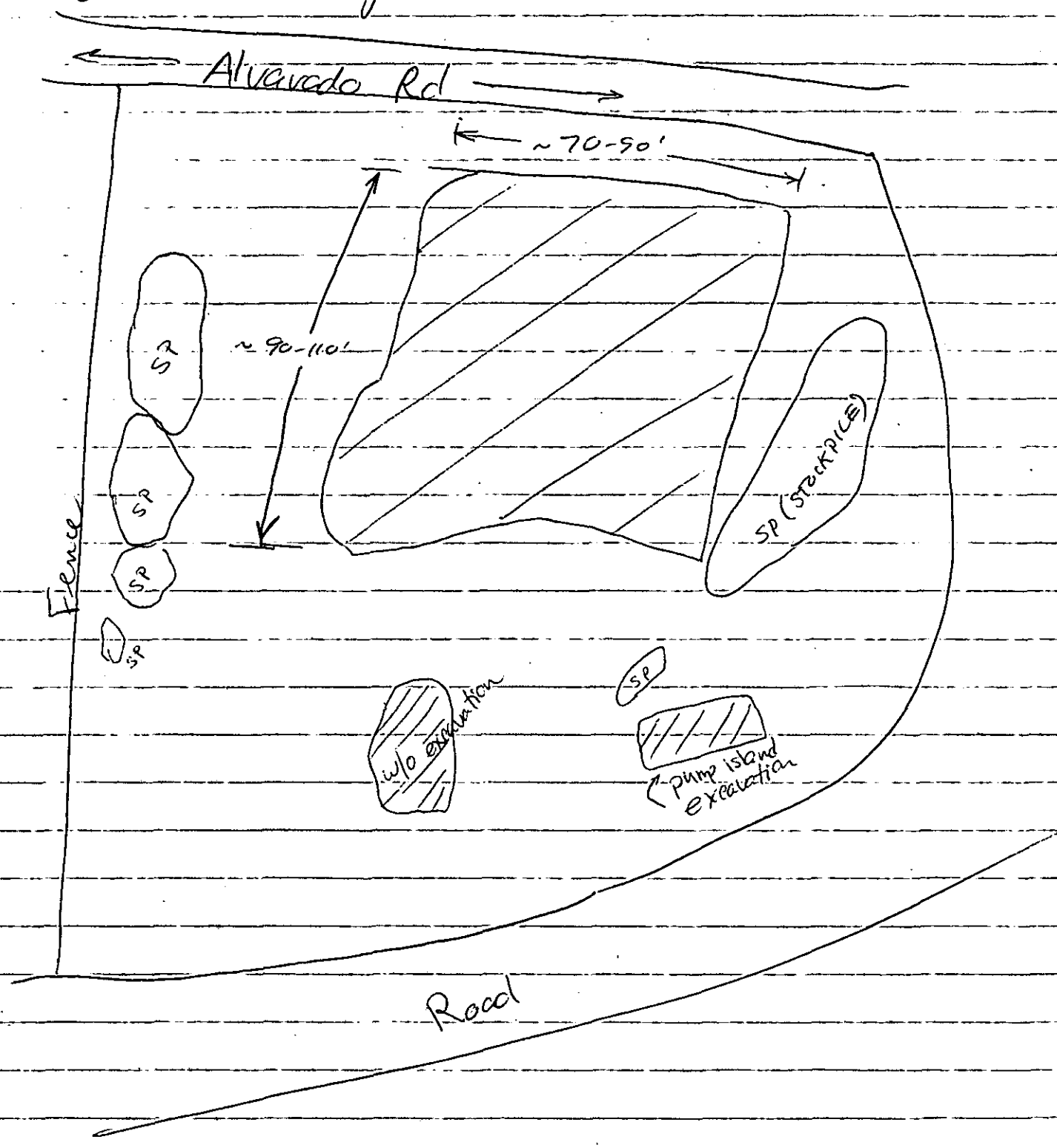
2"-18" clay layer
6"-8" layer carrying water (sand)
clean @ 6'-8' bg in Stadium

- gas spreading laterally further than anticipated in downslope direction

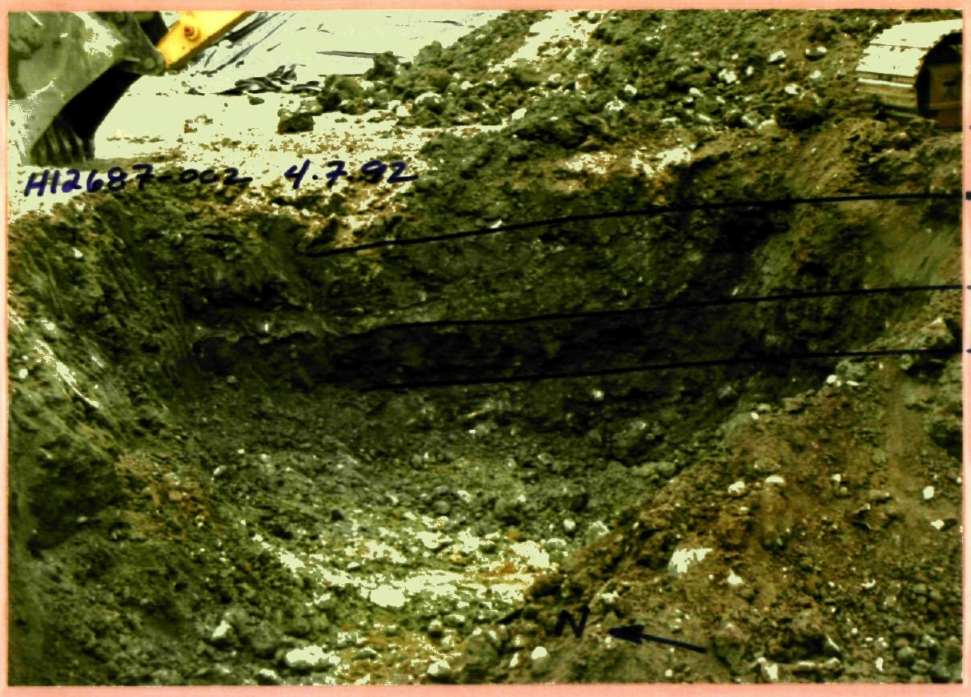
- water perching @ 6'-7'
- Many stockpiles - some covered, some not
- Salter is conducting the investigation - presently is determining lateral extent of gas
- some odor coming off the site - blowing mostly toward freeway

4-7-92
H12687

high odors, very dark soil in stockpiles

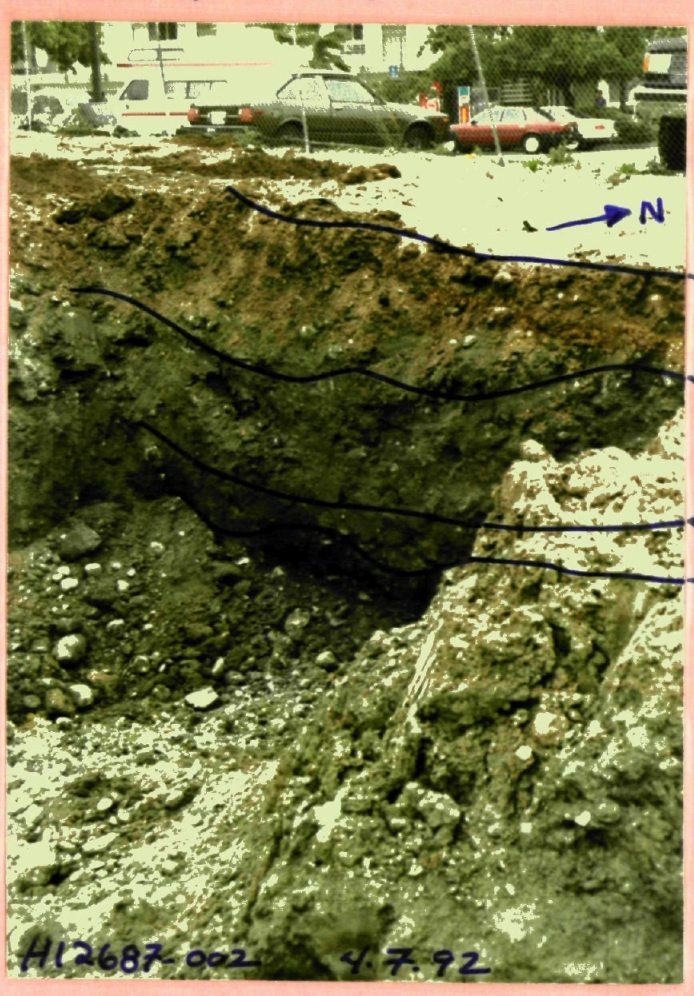


404-25, 403



* Note discolored clay horizon and relatively "normal" colored brown sandstone and Stadium Conglom.





7651 Alvarado Rd., La Mesa - former Chevron



↑ "large excavation"



7651 Alvarado Rd., La Mesa
former Chevron



fill

clay

broam sandstone - very moist

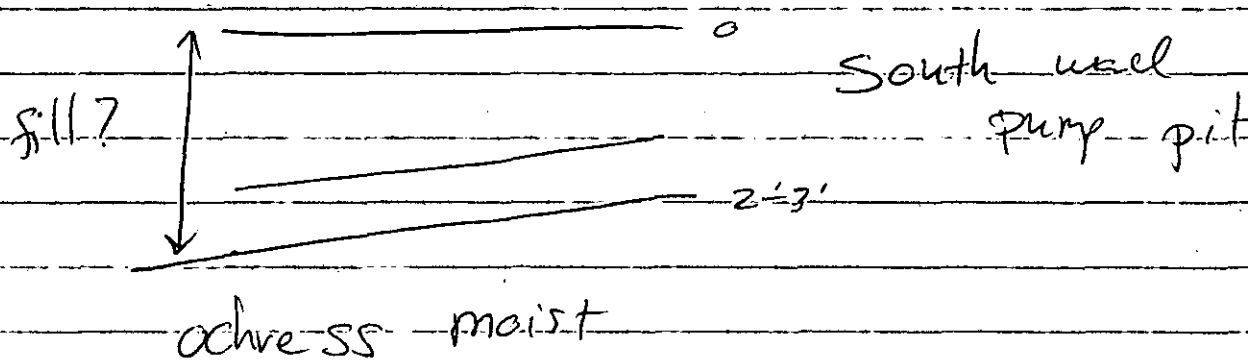
Stadium Conglomerate - moist

← large excavation

7652 alvarado Rd
Chevron

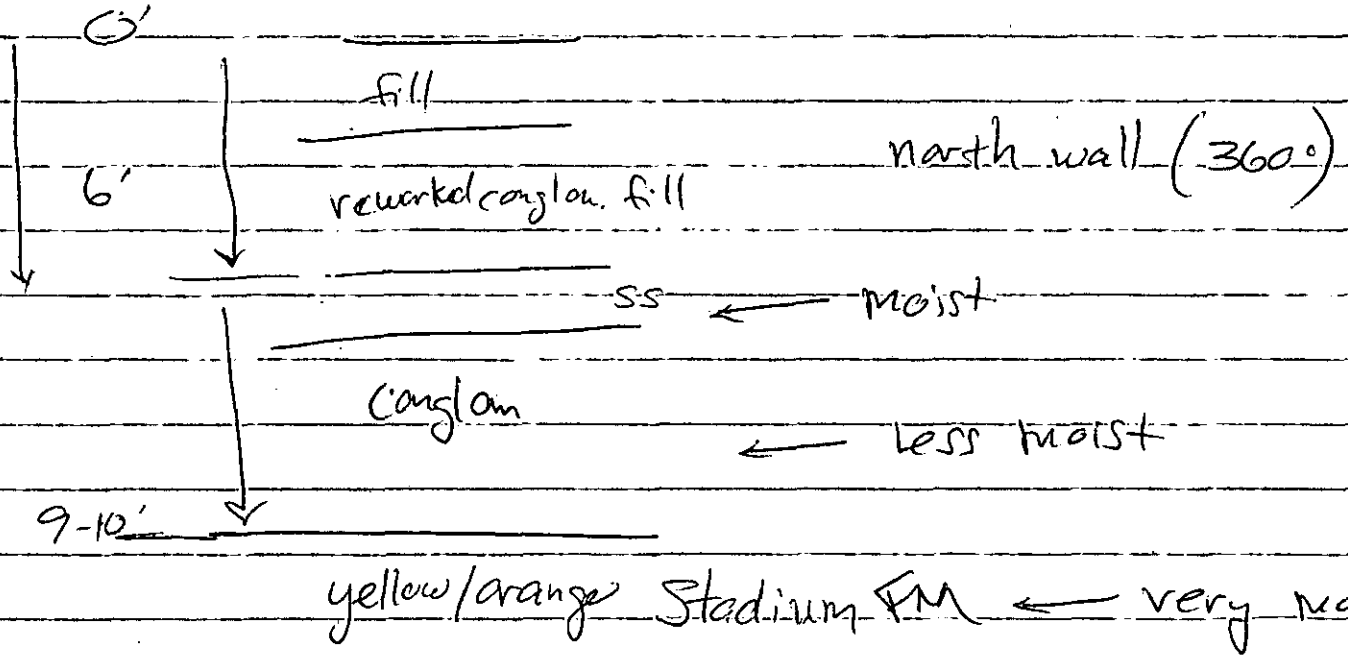
~~South~~ Photos taken 4/9/12

Porter, Felix



7652 Alvarado Rd
Chevron

Photos 4/9/07
Peter, Jeff



MEETING/PHONE/PEER REVIEW

RECORD

H	12687 002
DATE:	4/16/92
TIME:	2:00
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation f/to — Phone: (___) 453-8415
Name: Bill Liner / GTI

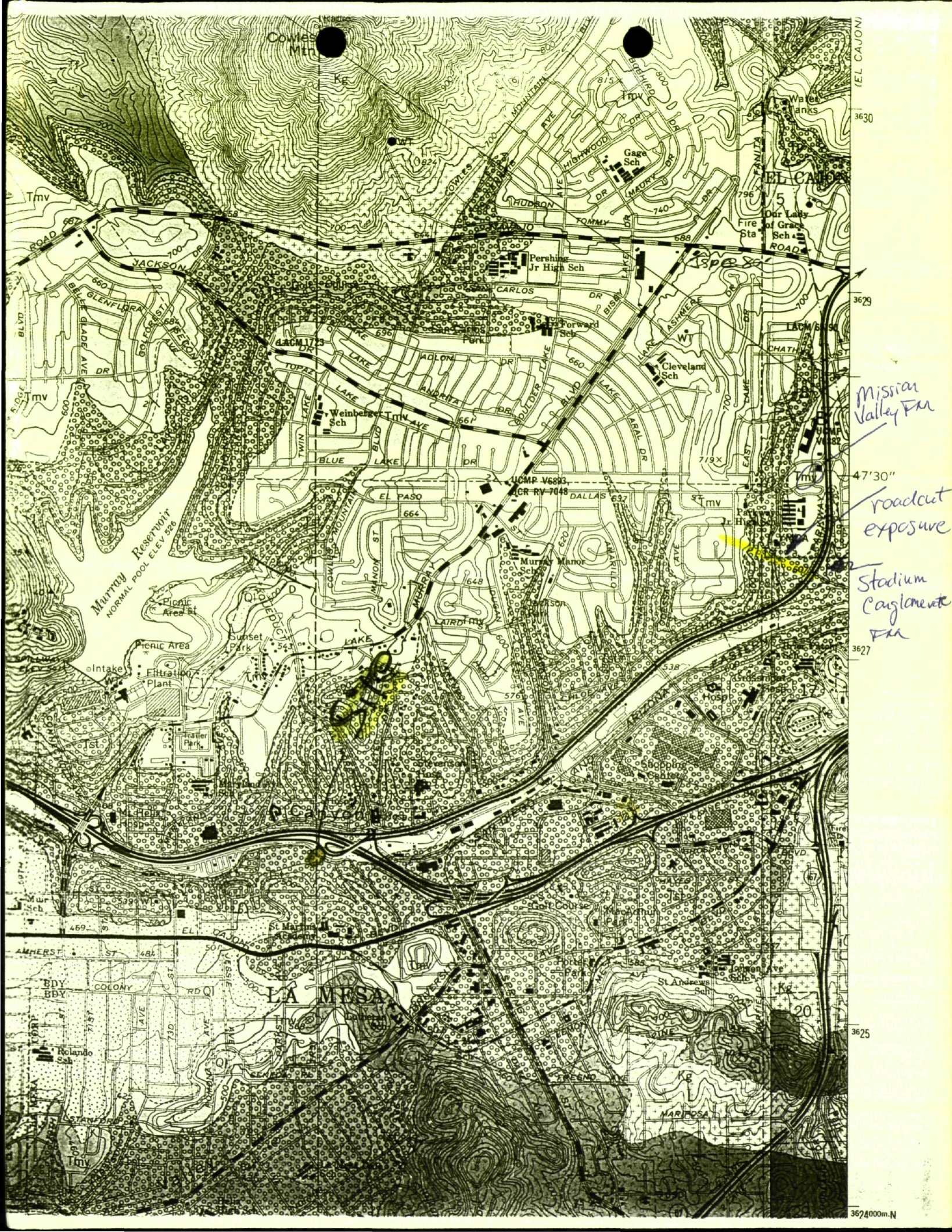
[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd., La Mesa

SUMMARY:
- started excavating this morning
- developed w/ Surge block
- will do y HC on site
- run highest waste oil for ancillary compounds
- groundwater will be pun this week

FIELD WORK FOR 7651 Alvarado Rd, La Mesa
4-1-92 H12687-002
Mike Porter, John Odermott
5:00 - 6:10

- examined roadcut exposure of Stadium Conglomerate at intersection of Fletcher Parkway and Amaya
- Roadcut exposes SS lenses in Stadium.
- Clay layers present at top and/or bottom of SS lens
- Seperate distinct clay layer present w/ heavy iron oxide staining.
- see examples of fining up and inverse grading sequences.



Cowles Mtn
Kg
Tmv
Water Tanks
3630
Gage Sch
EL CAJON
Our Lady of Grace Sch
Fire Sta
Pershing Jr High Sch
Isp 80
3629
Forward Sch
Cleveland Sch
LACM 1723
Weinberger Sch
Mission Valley Fm
47'30"
UCMP V6893, UCR RV 7048
roadcut exposure
Murray Reservoir
NORMAL POOL ELEV 526
Murray Manor Sch
Stadium Conglomerate Fm
Picnic Area
Sunset Park
Intake
Filtration Plant
3627
Trailer Park
Shopping Center
Canyon
Golf Course
St Martins Academy
LA MESA
St Andrews Sch
Rolando Sch
3625
3624000m.N



sandstone beds at bottom right, clay beds @ top photo #2 360° (N) 4.1.92



sandstone beds and clay beds at top photo #1

360° (N) 4.1.92



Coarsening up

photo #4

4.1.92 1800 (S)



graded bedding (fining up)

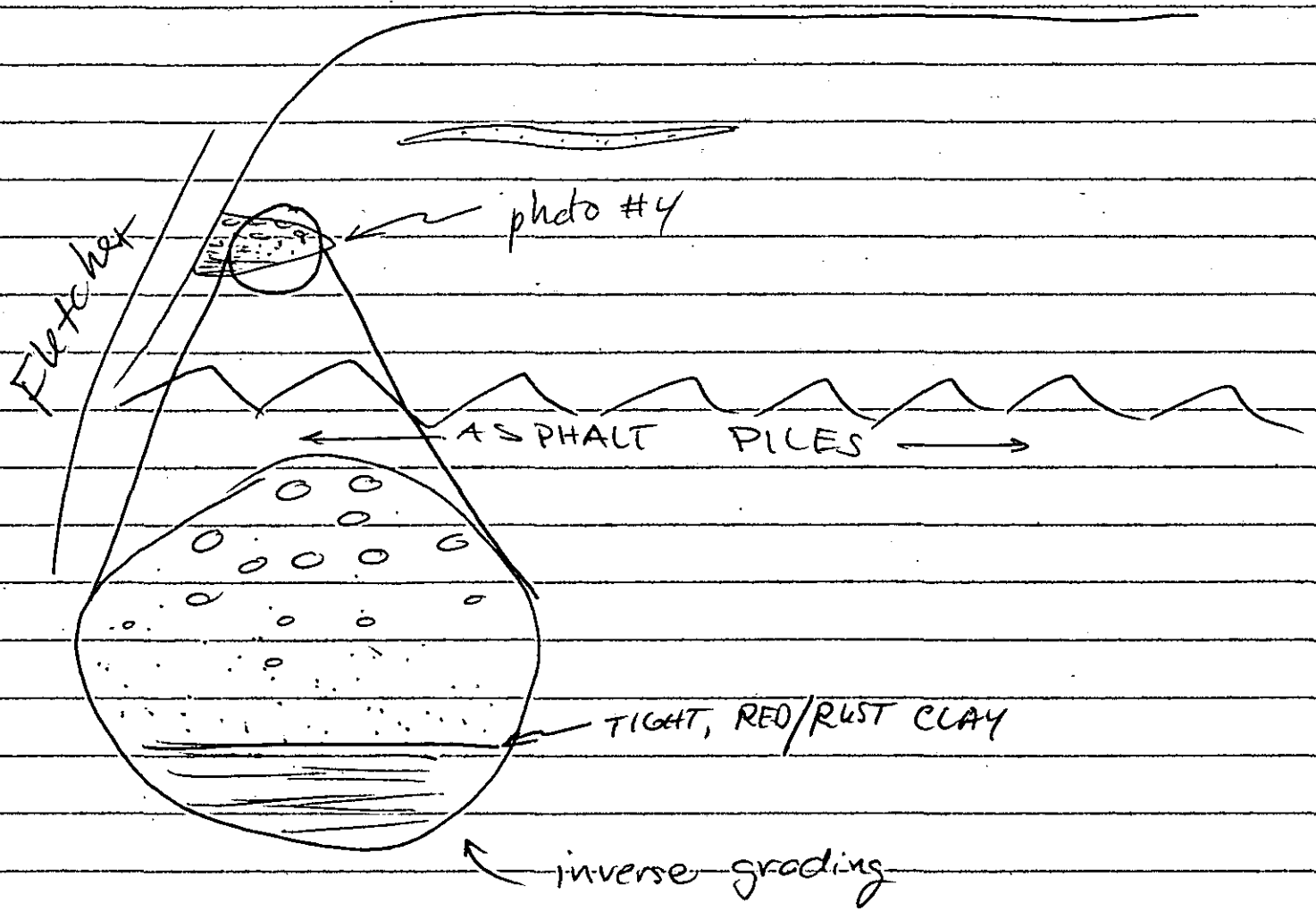
photo # 3

4.1.92 360° (N)

- Roadcut at intersection of Fletcher & Amaya, La Mesa
- exposure of Stadium Conglomerate

Intersection of Amaya and Fletcher
Roadcut of Stadium Conglomerate

4-1-92

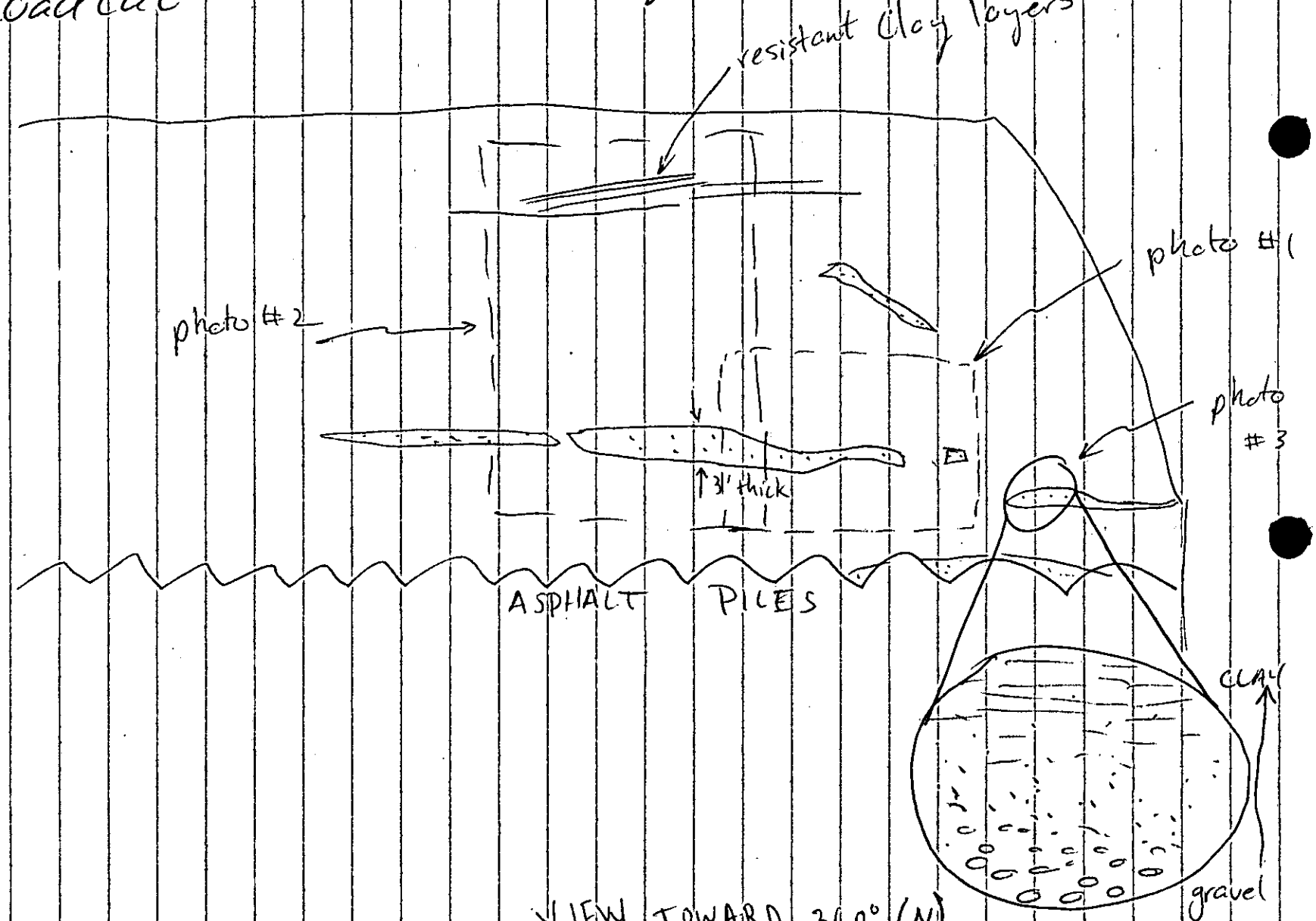


VIEW TOWARD 180°

Intersection of Amaya and Fletcher

Roadcut of Stadium Conglomerate

4.1-92



MEETING/PHONE/PEER REVIEW

RECORD

+82

H	12687-002
DATE:	3/31/92
TIME:	1:24
PAGE	1 OF 1
SPEC:	M&P

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 453-8415
Name: Bill Lines / GTI

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd., La Mesa
former church

SUMMARY:

3 wells in near-

East	2ft H2O	by	Friday	drilled Friday
North	1/2 ft	"	"	
West	nothing	"	"	

- 10ft screens
- no stratigraphic exposures near site
- will regauge today
- will swab wells manually, then pump
- no evidence of contamination
- ▽ @ 13'/14'
- will dig on Monday
- Community Health & Safety will come

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	3/31/92
TIME:	1:00
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes

Meeting Location: HMMD 3rd floor
(Attach Sign-up Sheet HM-9048)

[] Telephone Conversation

Phone: ( ) -
Name: Dave Felix / SAM

[X] Peer Review

Name:

TOPIC: 7651 Alvarado Rd., LaMesa

SUMMARY: discussed groundwater observations in the Fletcher Pkwy area of LaMesa.

- groundwater seems to occur in separate horizontal seams that are horizontally discontinuous
- the seams are on the order of inches thick.
- groundwater depths range from 1' bg to 12-15' bg in the area.

MEETING/PHONE/PEER REVIEW

RECORD

H 12687-002	TB2
DATE: 3/27/92	
TIME: 11 : 30	
PAGE 1 OF 1	
SPEC: MGP	

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation to

Phone: (___) 453-8415
Name: Bill Lines / ~~[illegible]~~ GTI

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

- boring to E near Alvarado no groundwater
- other borings to be done
- hard to determ. Stadium contact
- Jim Mallsworth site geologist

DHS:HM-9047(b) (6/91) County of San Diego, DHS, EHS, HMMD, Site Assessment & Mitigation (SA/M)

MEETING/PHONE/PEER REVIEW

RECORD

H 12687-002	
DATE: 3/16/92	
TIME: 1:00	
PAGE 1 OF 1	
SPEC: MCP	

(Check One)

[] Meeting Minutes — Meeting Location: _____ (Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation from — Phone: (___) ___-____ Name: Bill Lines / GTI

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa former Chevron

SUMMARY:

- Chevron project manger is now Ruben Ciliez
- Bill is concerned about perched water system @ site (going dry after time) and then having dry wells
- I told him that perched aquifer is the primary one I am interested in
- I suggested that he research the hydrologs of nearby sites on the Fletcher Valley to see if ground water system is perenial or ephemeral.
- asked him to send me a general Community Health & Safety plan and a general workplan for the site.
- He was worried about the waste oil contam. stockpiles and 90 day window.
- I said to get the remaining waste oil contam. out of the ground 1st. - But keep stockpiles covered and prevent runoff

PERMIT # W92595

A.P.N. # 470-020-12

EST # H12687

COPY

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: CHEVRON

SITE ADDRESS: 7651 ALVARADO RD, LA MESA, CA

PERMIT FOR: 3 MONITORING WELLS

PERMIT APPROVAL DATE: 02/05/92

PERMIT EXPIRES ON: 06/03/92

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Submit complete laboratory data for both soil and groundwater with the well logs.

4. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

5. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

6. This office must be given 48 hour notice of any drilling activity on this site.

7. This office must be given advanced notification of drilling cancellation.

APPROVED BY: Kevin M. Hall DATE: 2/5/92

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	1/27/92
TIME:	2:06
PAGE	1 OF 1
SPEC:	M6P

(Check One)

[ ] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) ___-____
from — Name: Sheila Foshee / Chevron

[ ] Peer Review — Name: _____

TOPIC: ~~Fletcher Pkwy~~, La Mesa
7651 Alvarado Rd

SUMMARY:
- CRJ will backfill gasoline stockpiles
- 3 downgrad of former pump islands
- then put 1 ave more after soil excavation of hot spots & waste oil
- soil permits will be made this week

MEETING SIGN-IN SHEET

DATE: 01-19-92 SUBJECT: ~~1620 N. Haven Dr., SD~~ 7651 Alvarado Rd, La Mesa

NAME	AGENCY REPRESENTING	PHONE NUMBER
Mike Porter	HMMD	338-2539
Jeff Cole	CHEVRON U.S.A.	(310) 694-7969

DHS:HM-9048 (1/90)

SITE VISIT :

7651 Alvarado Rd, La Mesa
H12687-002 1-16-92
NO MILEAGE CLAIMED

- Fence & gate is secure
- Stockpiles not covered
- 2 excavations still open
- motel & Restaurant adjacent & west of site
- Business offices south, across street.
- no detectable odors emanating from site at fence



7651 Alvarado La Mesa
1.16.92 H12687-002



1.16.92 H12687-002



7651 Alvarado Rd
1.16.92 H12687-002



La Mesa
1.16.92 H12687-002

T82

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	11/15/92
TIME:	11:12
PAGE	1 OF 1
SPEC:	MP

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 453
Name: Bill Lines / GTI

[] Peer Review — Name: _____

TOPIC: Alvarado Rd, La Mesa

SUMMARY: 35 x 40 x 14' deep = 660 cy
- 150 cy tank
510 yd³ for gasline excavation

MEETING/PHONE/PEER REVIEW

RECORD

H	12679-001
DATE:	01/13/92
TIME:	5 : 54
PAGE	1 OF 1
SPEC:	MCoP

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation

Phone: (310) 694-7275
Name: Sheila Fooshee / Chevron

[] Peer Review

Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY: NOT THERE - ASKED HER TO RETURN MY CALL REGARDING STOCKPILES ON SITE.

1-14-92 @ 2:24 tried again

- she wants to excavate more
- she has proposal to do excavation before end of february ~~to~~
- asked to backfill soon - because of unsightlyness and vector breeding
- site is generally unsightly & gate needs locks
- address groundwater contamination before digging out soil.

MEETING/PHONE/PEER REVIEW

RECORD

H/2687-002
DATE: 12/22/93
TIME: 3:10
PAGE 1 OF 1
SPEC: M6P

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (____) ____-____
Name: Jim Mdesworth / GTI

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

15' to depth
40' screen
} planned wells (3)

D = 7-10' d-t-gw

workplan ok w/ this well construction & location

PERMIT # W93952

A.P.N. # 420-020-12

EST # H12687

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: CHEVRON ALVARADO

SITE ADDRESS: 7651 ALVARADO ROAD, LA MESA, CA 92040

PERMIT FOR: 3 GROUND WATER MONITORING WELLS

PERMIT APPROVAL DATE: 12/22/93

PERMIT EXPIRES ON: 4/20/94

PERMIT CONDITIONS:

1. The wells shall be constructed with the well screen extending no deeper than 5 feet in the saturated zone.

2. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

3. All wash water must be contained and disposed of properly.

4. Submit complete laboratory data for both soil and groundwater with the well logs.

5. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

6. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

7. This office must be given 48 hour notice of any drilling activity on this site. Please contact Edward Sanko at (619)338-2339.

8. This office must be given advanced notification of drilling cancellation. Please contact Edward Sanko at (619)338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R. Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: Mary Gelter DATE: 12/22/93

Notified: _____

MEETING/PHONE/PEER REVIEW

RECORD

H	12687-002
DATE:	8/02/93
TIME:	9:45
PAGE	1 OF 1
SPEC:	MGP

(Check One)

[] Meeting Minutes

Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation

Phone: (___) ___-____
Name: Tony Huerta

[] Peer Review

Name: tenant of Michael Habib

TOPIC: 7651 Alvarado Road, La Mesa

SUMMARY:

- tenant of Michael Habib
- he received a copy of the letter to Habib asking for access
- he has always given access to Chevron consultant
- he wants to know where additional wells will be located
- I said that Chevron has not prepared the locations to me because they cannot get access from Habib.
- He then realized the problem was Habib - he'll talk to Habib.

OFFICE OF THE DEPUTY DIRECTOR
P. O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222
Fax #: 338-2174

County of San Diego

DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES

SITE ASSESSMENT AND MITIGATION DIVISION
P.O. BOX 85261
SAN DIEGO, CA 92186-5261
(619) 338-2222

Please note Address Chg.
Michael A. Habib
P.O. Box 15465
San Diego, CA 92175

July 26, 1993

Michael A. Habib
1462 Shadow Ranch Road
La Mesa, CA 91941

Dear Mr. Habib:

RE: UNAUTHORIZED RELEASE #T01722/H12687-002
FORMER CHEVRON STATION 9-3521
7651 ALVARADO RD., LA MESA, CA 91941-3611

It has come to my attention that you have not granted Chevron U.S.A Products Company (Chevron) access to your property. According to Jeffrey E. Cole of Chevron, Chevron employees have repeatedly requested, of you, access to your property for the purpose of completing their required environmental investigation.

As you remember, we had a telephone conversation on August 10, 1992. During the conversation, I requested that you grant access to Chevron, so they can complete the ongoing environmental investigation (site assessment).

Chevron is willing to complete their investigation of the release of gasoline from their station. To accomplish this, Chevron needs access to your property.

If you do not grant Chevron access to your property by August 30, 1993, this project will be transferred to the State of California, Environmental Protection Agency, San Diego Regional Water Quality Control Board for enforcement actions. Enforcement actions may include the requirement that you initiate site assessment and remediation activities on your property as a discharger.

If you have any questions on this matter please contact me at (619) 338-2539.

Sincerely,

Michael G. Porter

MICHAEL G. PORTER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

MGP:cl

cc: Fredna Gustavson, Property Owner
Sleiwa Y. Seman
Jeffrey E. Cole, Chevron U.S.A. Products
Vicente Rodriquez, Water Resources Control Engineer, San Diego RWQCB
Steven E. Boehmer, McDougal, Love, Eckis and Grindle

WP\7651

Fredna Gustavson, Property Owner, 7651 Alvarado Rd. La Mesa, CA {110 Westwood Dr., Santa Cruz, CA 95060}

Sleiwa Y. Seman {11462 Shadow Ranch Rd., La Mesa, CA 91941}

Jeffrey E. Cole, Chevron U.S.A. Products Comapny {Marketing Department, P.O. Box 2833, La Habra, CA 90632-2833}

Vicente Rodriquez, Water Resources Control Engineer, San Diego RWQCB

Steven E. Boehmer, McDougal, Love, Eckis and Grindle {Forty six North Magnolia, Drawer 1466, El Cajon, CA 92022-1466}

MEETING/PHONE/PEER REVIEW RECORD

H 12687 - 002	
DATE: 1/19/23	
TIME: 8:42	
PAGE 1 OF 1	
SPEC: MGP	

(Check One)

☑ Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

☐ Telephone Conversation — Phone: (___) ___ - ____
Name: See list

☐ Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

- Chevron can not gain access to site because of property owner.

- cl will write to prop owner

MEETING SIGN-IN SHEET

DATE: 12-5-94 SUBJECT: H12687-002

NAME	AGENCY REPRESENTING	PHONE NUMBER
Mike Parker	SAM	415/338-2539
Mike Bauer	Chevron	310/694-7698

DHS:HN-9048 (1/90)

MEETING/PHONE/PEER REVIEW

RECORD

H	12687 - 002
DATE:	10 / 5 / 94
TIME:	10 : 12
PAGE	1 OF 1
SPEC:	M6f

(Check One)

[X] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[ ] Telephone Conversation — Phone: (____) ____ - ____
Name: Mike Bauer / Chevron

[ ] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

- ok to destroy wells MW-1 & MW-5.
- ok to reduce monitoring on MW2 & MW4.

*eventually, Chevron will have to sample groundwater near the old tanks to confirm succesful cleanup.

SITE ASSESSMENT & MITIGATION REPORT REVIEW FORM

H 12687 - 002 T_____ SPECIALIST MGP
DATE 11-29-94 PAGE 1 of 1
ADDRESS 7651 Alvarado Rd., La Mesa
SITE former Chevron # 9-3524
REPORT TITLE Biannual monitoring Rpt 7-25/94

- d-t-w = 3' → 10' bg

only MW3 has positives HC: B = 53ppb, TPH = 3500, MTBE = 12 - [redacted]
No changes in dissolved trends for MW3

- annual monitoring of MW2 - MW4 ok
- destruction of MW-1 - MW-5 ok
- continue to monitor gw levels quarterly in remaining wells

County of San Diego

GARY R. STEPHANY
DIRECTOR

DANIEL J. AVERA
ASSISTANT DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
P.O. BOX 85261, SAN DIEGO, CA 92186-5261
(619) 338-2222 FAX (619) 338-2377

SITE ASSESSMENT AND MITIGATION DIVISION

July 10, 1995

Michael S. Bauer
Environmental Engineer
Chevron U.S.A. Products Company
P. O. Box 2833
La Habra, California 90632-2833

Dear Mr. Bauer:

RE: UNAUTHORIZED RELEASE #H12687-002
WORKPLAN APPROVAL
FORMER CHEVRON SERVICE STATION #9-3521
AT 7651 ALVARADO ROAD, LA MESA, CA 91941-3611

This letter has been prepared in accordance with the requirements set forth in Title 23 (State Underground Storage Tank Regulations), Division 3, Amendment to Chapter 16, Article 11, Section 2722. The purpose of this letter is to notify the Responsible Party of the status of the Workplan received by the San Diego County Site Assessment and Mitigation Division (SAM) on June 8, 1995.

The Workplan, dated June 6, 1995, and prepared by Timothy Busby of Groundwater Technology, covers one of the following phases of corrective action:

Preliminary Site Assessment	( )
Soil and Water Investigation	( )
Corrective Action Plan	( )
Verification Monitoring	( )
Interim Remedial Action	( )
Other	(X)

The workplan proposes to destroy three groundwater monitoring wells.

The Workplan has been:

(X) approved.
( ) disapproved-call the undersigned for further instructions.
( ) approved with the following changes or conditions:

Keep this letter for your records as it may be required for corrective action cost reimbursement under Senate Bill 2004 (California Health and Safety Code, Division 20, Chapter 6.75, Article 6).

The need for further site characterization and mitigation actions will be determined following evaluation of the written report and consultation with the San Diego Regional Water Quality Control Board.

If you have any questions please call me at (619) 338-2539.

Sincerely,

Michael G. Porter

MICHAEL G. PORTER, Hazardous Materials Specialist
Site Assessment and Mitigation Division

MGP:jw

cc: Rosalind Dimenstein, RWQCB
Timothy Busby, Groundwater Technology

MEETING/PHONE/PEER REVIEW

RECORD

H [redacted]
DATE: 6 / 7 / 95
TIME: 3 : 25
PAGE 1 OF 1
SPEC: M6P

(Check One)

[] Meeting Minutes — Meeting Location: _____
(Attach Sign-up Sheet HM-9048)

[X] Telephone Conversation — Phone: (___) 453-8415
to — Name: Tim Busby / GTL

[] Peer Review — Name: _____

TOPIC: 7651 Alvarado Rd, La Mesa

SUMMARY:

- asked him if the wells that are proposed to be destroyed were the wells that Mike Bauer and I talked about about several months ago?

- he said he is new to this project, but he believes that is true.

- reminded him that well permits are required for destruction.

PERMIT # W95114

A.P.N. # 420-020-12

EST # H12687

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

SITE ASSESSMENT AND MITIGATION DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: CHEVRON USA PRODUCTS

SITE ADDRESS: 7651 ALVARADO BLVD., LA MESA, CA 91942

PERMIT FOR: DESTROY 3 GROUND WATER MONITORING WELLS

PERMIT APPROVAL DATE: 5/22/95

PERMIT EXPIRES ON: 9/18/95

PERMIT CONDITIONS:

1. All wells must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Provide documentation of well destruction. This should include:

   a) A description of the method of destruction,
   b) A description of the type of sealing materials and quantity used and
   c) The date the work was started and the date the work was completed.

4. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

5. This office must be given 48 hour notice of any drilling activity on this site. Please contact Helen Dennin at (619)338-2339.

6. This office must be given advanced notification of drilling cancellation. Please contact Helen Dennin at (619)338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R. Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: Mary Peter DATE: 5/22/95

Notified: 5/22/95-HD
VM May

2-11-87
Porter, Bauer, Wyatt

7651 Alvarado Rd., La Mesa H12687.001

- most recent gw monitoring showed 2.5 ppb

- stop gw monitoring

- prepare closure summary

File Review

SITE: 7651 Alvarado Rd
ADDRESS:
H & T #'s:
DATE & TIME:
MILEAGE:
PERSONNEL: S Weldon

NOTES:

(1) Impacted soil under used oil tank, [redacted], and under dispenser islands. Found during tank pull.

(2) All impacted soil was excavated and stockpiled for several months.

Soil type: Clayey Gravel w/silt to 12 ft
Stadium Conglomerate 12' t

- 2100 yds^3 from NE pump island
- 100 yds^3 from S pump island
- 100 yds^3 from former used oil excavation

(3) Stockpiles passed characterization and were placed back in excavations @ site.

(4) wells installed in April 1992 during tank removal activities. Down-gradient well was: TPHg 21,000 ppb
benzene 28 (highest historical was 53
MTBE - highest historical was 12 ppb

G.W 9-11 fbg

(5) Last sampling event was Nov '96:
TPH < detection limit of 500 ppb
benzene - 0.56 ppb
MTBE < detection limit

(6) Mike Porter and Mary Peters approved well destructions in 1995. NO wells are at site

photos: ___ yes ___ page ___ of ___

Site is currently "RV Peddler!"

H12687-002

SITE VISIT FORM

SITE:
ADDRESS: 7651 Alvarado Road
H & T #'s:
DATE & TIME:
MILEAGE:
PERSONNEL: Scott Weldon

NOTES: Site visited to verify current status:
Site is now "RV Peddlar."

a) Lot has been covered with asphalt fairly recently. There's no evidence of monitoring wells. Note: a permit was obtained to properly destroy wells. See attached.

Permit History

1) Tanks pulled - permit 4-8-91
2) 3 wells ~~installed~~ permit 2-5-92 - installed March 1992
3) Permit for 3 monitoring wells & one "other" - 11-23-93
4) Permit for 3 "destruction" - 5-22-95
   - wells 1, 2 and 5 were destroyed

photos: ___ yes ___ no

page ___ of ___

file in closed SAM case

County of San Diego

GARY W. ERBECK
DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
P.O. BOX 129261, SAN DIEGO, CA 92112-9261
(619) 338-2222 FAX (619) 338-2377
1-800-253-9933

RICHARD HAAS
ASSISTANT DIRECTOR

OFFICIAL NOTICE

February 25, 2002

Chevron Products Co.
Attn: Jerry Bogaczyk
SAR Project Manager
P.O. Box 2292
Brea, CA 92822-2292

Dear Mr. Bogaczyk:

MONITORING WELL CONSTRUCTION DEFICIENCIES
Former Chevron Station #9-3521, 7651 Alvarado Rd., La Mesa, CA 91941
APN: 470-020-12 PERMIT #W92595/W93952 ESTABLISHMENT#H12687-002

The site assessment case for this establishment was closed in July 2001. As part of the conditions for closure, the two remaining wells at this site, MW-3 and MW-4, were to be destroyed within 90 days of closure.

On February 15, 2002, staff of the Department of Environmental Health (DEH), Site Assessment and Mitigation Program (SAM) inspected this site for compliance with the closure document. MW-3 is still in place and MW-4 could not be found, although no permit was ever issued to destroy that well.

Abandoned and poorly maintained wells are considered a nuisance as defined in San Diego County Code Section (SDCCS) 67.430 and 67.431. A well destruction permit must be submitted to DEH **by March 11th, 2002.**

Sincerely,

MCrystal

Marisue Crystal, Environmental Health Technician
Department of Environmental Health
Site Assessment and Mitigation Program

cc: Scott Weldon, Site Assessment and Mitigation
Rudy Reyes, SECOR International

DEPARTMENT OF ENVIRONMENTAL HEALTH
MONITORING WELL COMPLIANCE/DRILLING INSPECTION REPORT

APN 470-020-12
PERMIT# W92595 & W93952
EST.# H12687
INSPECTION DATE: 02/15/2002

RESPONSIBLE PARTY: CHEVRON PRODUCTS CO
ATTN: JERRY BOGACZYK
P O BOX 2292
BREA, CA 92882-2292

SITE NAME: FORMER CHEVRON STA #9-3521
SITE ADDRESS: 7651 ALVARADO RD
LA MESA, CA 91941

CONSULTANT: KYLE RHEUBOTTOM

DRILLING CO: A & R DRILLING

MONITORING WELL	VADOSE WELL	BORING	DESTRUCTION	AIR SPARGE WELL
2				

EXTERIOR	WELL LOCATION NUMBER	MW-3	MW-4								
	COVER CONDITION	G	?								
	PERIMETER SEAL CONDITION	P	?								
	STRUCTURE DRAINAGE	P	?								
	SECURED	½	?								
INTERIOR	TYPE OF SEAL	C	?								
	INNER VAULT INTEGRITY	G	?								
	CASING TYPE	4"PVC	?								
	LOCKED CAP	Y	?								
	SEALED CAP	Y	?								
	LIQUIDS PRESENT	Y	?								

G = Good P = Poor B = Bentonite Y = Yes M = Missing V = Visual Inspection Only
F = Fair C = Concrete S = Soil N = No U = Unable to Locate * = Other

REMARKS – **MW-3:** 1" OF WATER IN VAULT, 1 BOLT IN WELL COVER WILL NOT TIGHTEN; PERIMETER SEAL HAS BEEN PAVED OVER. **MW-4:** UNABLE TO LOCATE, POSSIBLE LOCATION FOUND FOR ILLEGAL DESTRUCTION, NOT CONFIRMED.

M Crystal

OFFICIAL NOTICE ISSUED
YES

MARISUE CRYSTAL (619) 338-2013
ENVIRONMENTAL HEALTH TECHNICIAN

Land and Water Quality Division, Site Assessment & Mitigation Program, P.O. Box 129261, San Diego, CA 92112-9261; (619) 338-2223

cc: Scott Weldon, Site Assessment and Mitigation
Rudy Reyes, SECOR International

H# 12687

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFTY CODE.
SIGNED _____ DATE _____

REPORT DATE: 09/19/90 | CASE #: T 1722

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: S.M.G. For Libby Hadley | PHONE: (213)694-7452 | SIGNATURE: Shari Godwin
REPRESENTING: ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____ | COMPANY OR AGENCY NAME: Chevron U.S.A.
ADDRESS: 1300 S. Beach Blvd. (STREET), La Habra (CITY), CA (STATE) 90632 (ZIP)

RESPONSIBLE PARTY
NAME: Chevron U.S.A. ☐ UNKNOWN | CONTACT PERSON: Libby Hadley | PHONE: (213)694-7452
ADDRESS: 1300 S. Beach (STREET) Blvd., La Habra (CITY), CA (STATE) 90632 (ZIP)

SITE LOCATION
FACILITY NAME (IF APPLICABLE): Chevron Station 9-3521 | OPERATOR: Don Frost | PHONE: (619)462-2860
ADDRESS: 7651 Alvarado (STREET) Rd., La Mesa (CITY), CA | San Diego (COUNTY) | 92041 (ZIP)
CROSS STREET: Comanche

IMPLEMENTING AGENCIES
LOCAL AGENCY / AGENCY NAME: Co of San Diego Dept of Health Services | CONTACT PERSON: Mary Peters | PHONE: (619)338-2204
REGIONAL BOARD | PHONE: ( )

SUBSTANCES INVOLVED
(1) NAME: Gasoline — Regular Unlead | QUANTITY LOST (GALLONS): ☒ UNKNOWN
(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 02/23/90 | HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☒ TANK TEST ☐ TANK REMOVAL ☐ OTHER
DATE DISCHARGE BEGAN: After 1-4-90 ☒ UNKNOWN
HAS DISCHARGE BEEN STOPPED? ☑ YES ☐ NO IF YES, DATE: 02/23/90
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ REMOVE CONTENTS ☐ REPLACE TANK ☒ CLOSE TANK ☐ REPAIR TANK ☐ REPAIR PIPING ☐ CHANGE PROCEDURE ☐ OTHER _____

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☒ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER
CAUSE(S): ☐ OVERFILL ☒ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☐ OTHER _____

CASE TYPE
CHECK ONE ONLY: ☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☑ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☒ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☑ OTHER (OT) To Be Determined

COMMENTS
Michele Miller with Chevron Engineering Handling Site Assessment.

HSC 05 (11/89)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Loans and Grants, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. County Board of Supervisors or designee to receive Proposition 65 notifications.
5. Owner/responsible party.

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

RECEIVED
DEC 2 4 05 PM '91
HEALTH SERVICES

LETTER OF TRANSMITTAL

TO: Mr. Mike Porter
Hazardous Materials Management Div.
P.O. Box 85261
San Diego, California 92138-5261

DATE: November 26, 1991
SITE: Chevron SS# 9-3521
7651 Alvarado Road
La Mesa, CA 92041

GENTLEMEN:

We are sending you _x_ Attached ___ Under separate cover

COPIES	DATE	DESCRIPTION
1	11/08/91	FINAL REPORT
		TANK REMOVAL REPORT
		CHEVRON SERVICE STATION NO. 9-3521
		7651 ALVARADO ROAD, LA MESA, CA 92041

THESE ARE TRANSMITTED as checked below:
___ As requested ___ For approval
_x_ For your use ___ For review
___ Returned for corrections
___ Other

REMARKS

COPY TO

SIGNED

WILLIAM M. LINES
PROJECT GEOLOGIST

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FIGURE 2 SITE PLAN 3

FIGURE 3 CROSS SECTION A - A' 6

FIGURE 4 TPH IN SOIL - USED OIL 10

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GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

TANK REMOVAL REPORT
CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA 92041

NOVEMBER 8, 1991

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1525R-10.30
023401525

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INTRODUCTION

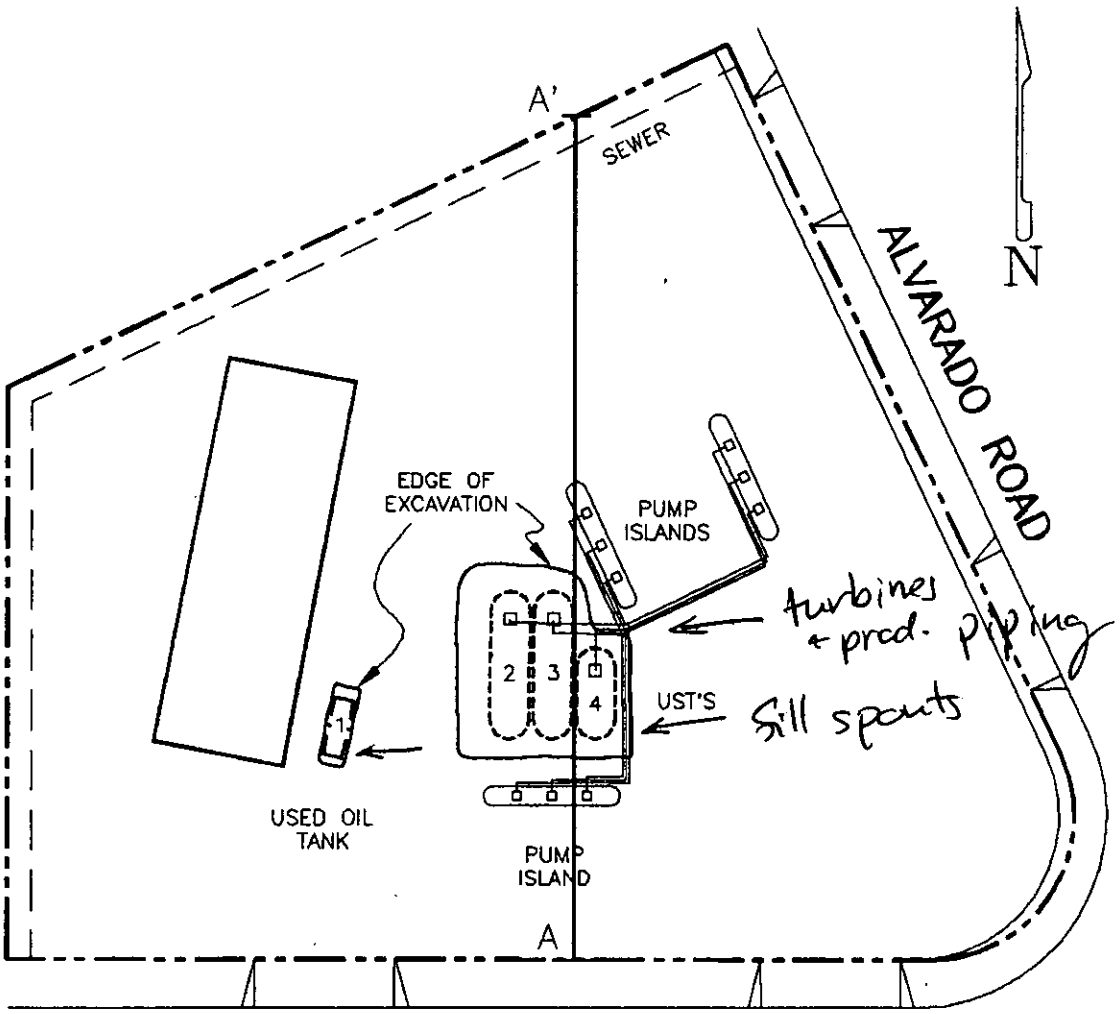
Site Identification

Site Address:	7651 Alvarado Road La Mesa, CA 92041
Company Name:	Chevron U.S.A. Inc.
Service Station No.:	9-3521
APN:	AT2244
HMMD No.:	H12687
Contact Person:	Mr. Roger Uhden Chevron U.S.A. Inc. 20031 Golden West Street Huntington Beach, CA 92648

Site Description

Chevron Service Station No. 9-3521 is located at the corner of Alvarado Road and Comanche Drive in La Mesa, California (Fig. 1). Three gasoline tanks and one used oil tank were removed on June 13, 1991. The locations of these former tanks are shown on Figure 2. Personnel present included Amy Canegaly from the La Mesa Fire Department, Robert Rapista of the San Diego Hazardous Materials Management Division, Gary Jacobs of Hofer and Sons Construction, and William Lines from Groundwater Technology, Inc. (GTI). The service station building, pumps, and other above ground structures were demolished prior to June 13, 1991. Upon arrival, two irregularly shaped excavations were present (Fig 2). The used oil tank excavation was approximately seventeen feet long by five feet wide. The gasoline tank excavation was approximately forty feet long by forty feet wide.


SITE
LA MESA
Murray Reservoir
Golf Course
Picnic Area
Sunset Park
Filtration Plant
Intake
Spillway Elev. 646
Murray Normal Pool Elev. 625
Lake Murray Blvd
Jackson Dr
Golfcrest Dr
Fresno Ave
Park Ridge Blvd
Glenflora Ave
Glade Ave
Waldemere Dr
Lake Ave
Lake Murray
San Carlos Dr
San Carlos Park
Forward Sch
Perahnia Jr High Sch
Topaz Dr
Cobra Dr
Jalon Dr
Weinberger Sch
Twin Lakes Dr
Blue Lake Blvd
El Paso
Dallas
Murray Manor
Jackson Park
Laird St
Mt. Helix
Mt. Helix Park
Maryland Sch
Maryland Ave
Connecticut Ave
Stevenson Hosp
Hosp
Canyon
San Diego
Golf Course
MacArthur Park
Porter Park
Muir Sch
Hosp
Amherst St
Colony Rd
Roland Park
Lutheran Sch
La Mesa Sch
Troy St
Center St
Stanford Ave
Mesa Dr
Fairmont
La Mesa Bale Sch
BM 438
Ivarado
Arizona
Chloe Ave
Mabel St
Harbison Canyon
Lemon Ave
Date St
Fresno Ave
University Ave
Spring St
Parks Ave
Florida Dr
Mt. Helix Dr
Mt. Helix Rd
Mt. Helix Park
Mt. Helix Hosp
Mt. Helix Sch
Mt. Helix Ave
Mt. Helix Blvd



NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL BUILDING, UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
3. A–A' CROSS–SECTION

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525–ASI

DRAFTED 11/8/91

SS No. 9- 3521

CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
023401525

SITE PLAN

FIGURE 2

TANK REMOVAL

Prior to removal of the used oil tank, all fluids were evacuated and placed in three 55 gallon drums. Transport and disposal of the drums was coordinated by Julio Paredes of Chevron U.S.A. Inc.. Prior to removal of the gasoline tanks, gasoline vapors were displaced using dry ice. At the request of the Amy Canegaly the gasoline tanks were monitored for explosive vapors with an explosimeter provided by Hofer and Sons. All tanks contained less than 5% of the lower explosive limit (LEL) for gasoline vapors. Upon approval from the Fire Department, the tanks were removed from the excavation and loaded onto flatbed trailers. The tanks were transported to Hofer and Sons to be cut and scrapped prior to disposal at Pacific Steel.

Description of Tanks

The gasoline tanks were located in the central portion of the site and were oriented north-south with the fill spouts located on the southern end and the turbines and product piping located on the northern end. The used oil tank was located between the gasoline tanks and the former building and was oriented north-south with a fill spout on the southern end (Fig. 2). All of the tanks were constructed of single-walled steel and were installed in the 1972. A copy of the HMMD Underground Tank Removal/Closure Report is included as Appendix 1. A brief description of the tanks is summarized below in Table 1.

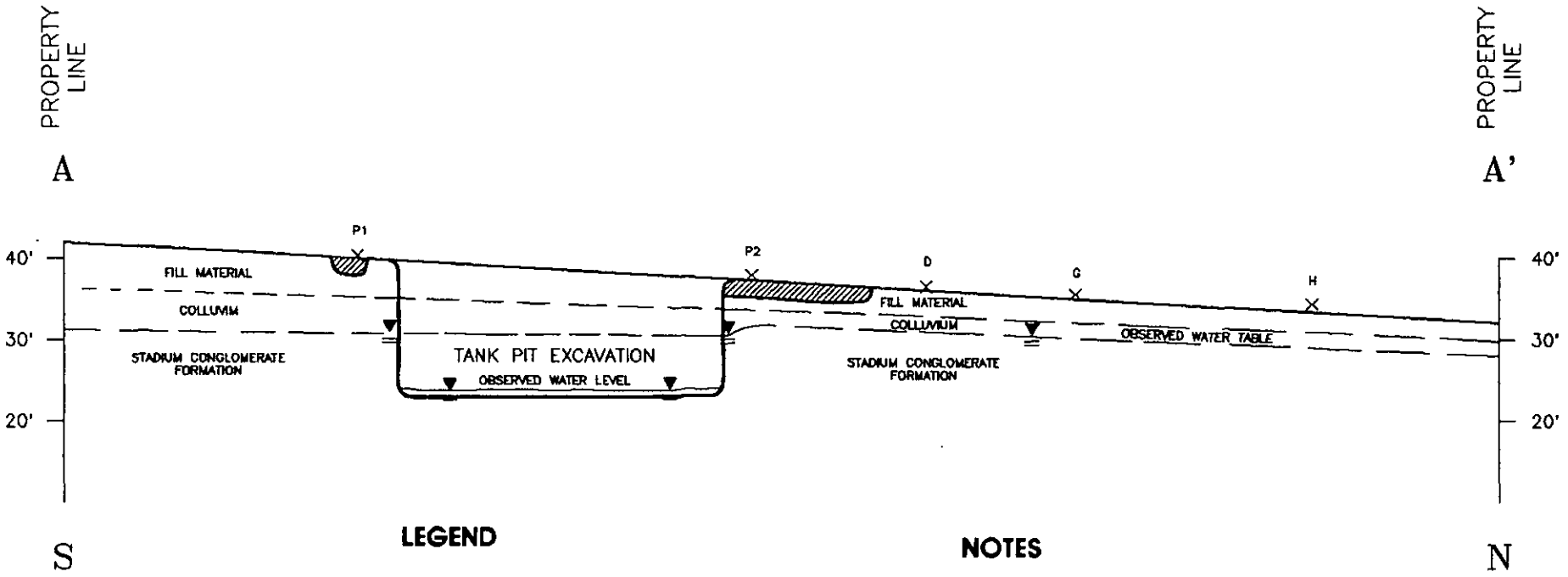
TABLE 1
FORMER UNDERGROUND STORAGE TANK DESCRIPTIONS

GTI Tank I.D.	Capacity (gallons)	Contents	HMMD Tank I.D.	Condition
1	1,000	Used Oil	AT 2244 T001	Poor condition, many small holes in north end (maximum 1/4" diameter), extensive pitting and heavy corrosion.
2	9,562	Gasoline (Regular)	AT 2244 T002	Good condition, no holes, medium corrosion, slight pitting, staining at north end.
3	9,562	Gasoline (Supreme)	AT 2244 T003	Good condition, no holes, medium corrosion, slight pitting, staining at north end.
4	5,760	Gasoline (Unleaded)	AT 2244 T004	Good condition, no holes, medium corrosion, slight pitting, staining at north end.

SITE GEOLOGY AND HYDROGEOLOGY

The site is located along the south side of an east west trending valley (Fig. 1). A stream bed runs down the center of the valley to the north of the site. The site topography slopes from south to north with a decrease in elevation of approximately 12 feet across the site. Based on observations made on the excavation walls, a geologic cross section has been prepared to illustrate site geology and is included as Figure 3. The site geology consists of approximately two to five feet of fill material over two to five feet of colluvium/alluvium. This overlays the Stadium Conglomerate which consists of clayey sand, cobbles and boulders. The contact between the Stadium Conglomerate and the colluvium/alluvium slopes gently slope towards the north.

what's the structural attitude of this contact?



LEGEND

PRODUCT LINE FILL MATERIAL = GRAY–TAN, SILTY SAND

FILL MATERIAL = BROWN, SANDY SILT

COLLUVIUM = RED BROWN, SILTY SAND

STADIUM CONGLOMERATE FORMATION = ORANGE BROWN, CLAYEY SAND AND COBBLES

▼ OBSERVED WATER TABLE

NOTES

1. DRAWING ADAPTED FROM CHEVRON GROUND AND GRADE DATED: 04/10/72
2. ALL LOCATIONS/DEPTHS ARE APPROXIMATE
3. P1, P2 = PUMP ISLAND EXCAVATIONS
   D, G, H = TEST PIT EXCAVATIONS

DRAFTED 11/08/91

SS No. 9-3521

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LA MESA, CA
023401525

CROSS SECTION A - A'

FIGURE 3

GROUNDWATER TECHNOLOGY, INC.

1525–CXA

0 20 40

APPROX. SCALE IN FEET

Perched water was observed at the site on top of the Stadium Conglomerate and may be the result of irrigation on the hill to the south of the site. After the fill material was excavated from the tank pits, water was observed seeping into the excavation along the formational contact. The rate of infiltration appears to be extremely slow and the excavation has less than one foot of water in the bottom after one month.

The site lies in Cholla hydrologic sub unit (HSA 8.22) of the Pueblo San Diego hydrologic unit (8.00). This hydrologic unit is adjacent to the Mission San Diego Hydrologic Subunit (HSA 7.11) of the San Diego hydrogeologic unit (7.00). Groundwater in the 8.22 subunit is listed as non beneficial use as designated by the Regional Water Quality Control Board (RWQCB), while the 7.11 subunit has beneficial uses listed as agricultural, industrial service, and industrial process supply, as well as potential municipal and domestic water supply uses. A conversation with Jim Munch of the RWQCB on October 11, 1991 indicated that because the valley drains into the 7.11 subarea, the site would be considered to be within the Mission San Diego HSA.

SOIL SAMPLE COLLECTION AND ANALYSIS

Soil sampling activities have been divided into four areas as follows:

1) Used oil tank sampling (June 13 and 21, 1991).
2) Gasoline tank pit sampling (June 13, 1991).
3) Pump island, product line, and test pit sampling (June 14 and 21, 1991).
4) Stockpile characterization (August 20, 1991).

Sampling activities completed in each area are discussed in the following sections. All soil samples were collected and handled in general accordance with the Quality Assurance and Quality Control Documentation (QA/QC) included in Appendix 2. All samples were shipped to GTEL Environmental Laboratories in Torrance, California with a chain-of custody for analysis.

Used Oil Tank Excavation Soil Sample Collection

On June 13, 1991, soil samples were collected from beneath each end of the used oil tank. Samples were collected at a depth of approximately two feet beneath the tank pit backfill within native material. Soil sample locations are presented on Figure 4. The samples were analyzed for Petroleum Hydrocarbons (TPH_{ir}) in soil by Infrared Modified EPA Method 3550/SM503E/418.1 and Purgeable Aromatics (BTEX) and Total Petroleum Hydrocarbons (TPH_g) as Gasoline in Soil by Modified EPA Method 8020/8015. Sample "1N", collected during the tank pull activities, was also analyzed for Halogenated Volatile Organics in Soil by EPA Method 8010 and for Pesticides and PCB's in Soil by EPA Method 8080. Based on these results, further excavation and soil sampling was performed on June 21, 1991. Analytical results are summarized below in Table 2 and Laboratory reports are included in Appendices 3 and 4.

low recoveries

what are detection limits?

TABLE 2
USED OIL TANK SOIL SAMPLES
ANALYTICAL RESULTS
Parts Per Million (PPM)

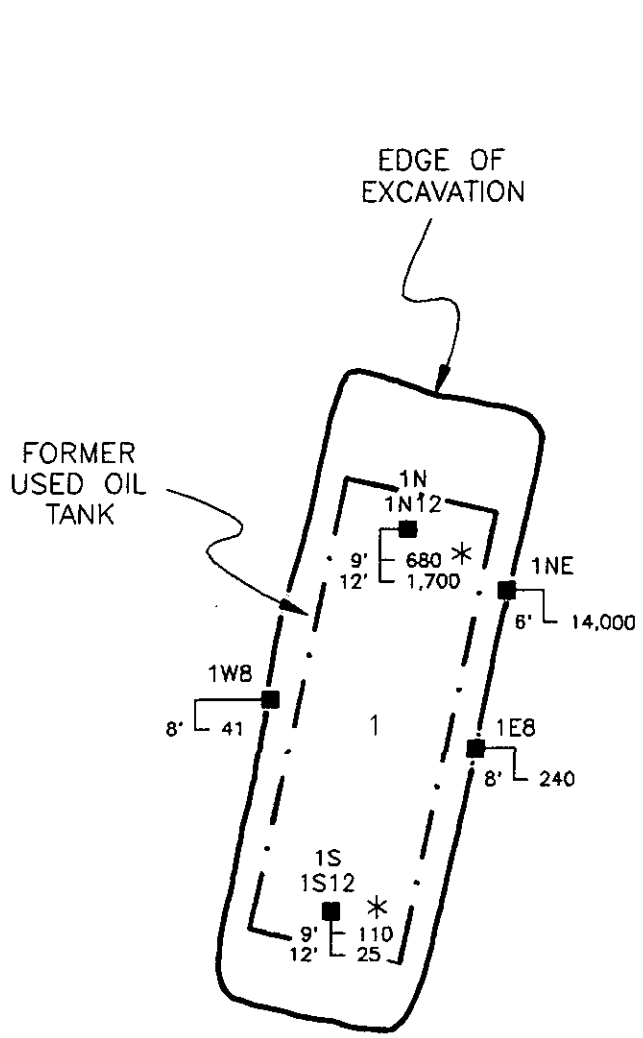
Sample I.D.	Depth (feet)	TPH_{ir}	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	TPH_g	Halo-carbons	PCB's
1N	9	680	<0.005	<0.005	<0.005	0.040	0.040	<10	BDL	BDL
1S	9	110	<0.005	<0.005	<0.005	<0.015	--	<10	-	-
1S12	12	25	<0.005	<0.005	<0.005	<0.015	--	<10	-	-
1N12	12	1700	<0.005	<0.005	0.06	0.47	0.53	<100	-	-
1W8	8	41	<0.005	<0.005	<0.005	<0.015	--	<10	-	-
1E8	8	240	<0.005	0.52	<0.005	<0.015	--	<10	-	-
1NE	6	14,000	<0.005	0.52	0.99	7.2	8.7	<100	-	-

<0.01 → 0.05

B = Benzene T= Toluene E = Ethyl Benzene X = Xylene
<number = Below Method Detection Limit
BDL = Below Method Detection Limits
-- = Below Method Detection Limits for all BTEX compounds
- = Analysis not performed
Sample I.D. (ex. 1N) = Tank I.D. No. 1, orientation (NSEW)

should have run these

high or over recoveries





LEGEND

SAMPLE LOCATION

ANALYTICAL RESULTS

DEPTH IN FEET

9' 680 TPH_M AS USED OIL (PPM)

12' 1,700 TPH_R AS USED OIL (PPM)

NOTES:

1. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.
2. TPH AS USED OIL BY EPA METHOD 418.1
3. * = SAMPLE REPRESENTS EXCAVATED SOIL

0 5 10

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-TSU

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SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
0234O1525

TPH IN SOIL- USED OIL TANK PIT

FIGURE 4

Laboratory results indicate that TPH_{ir} concentrations of remaining soils are above 100 ppm. No halocarbons or PCB compounds were detected in samples 1N. Sample 1NE contained 8.7 ppm total BTEX. Samples collected from beneath the northern end of the tank (1N12) and within a heavily stained area on the eastern wall (1NE) contained greater than 1,000 ppm TPH_{ir}.

Gasoline Tank Excavation Soil Sample Collection

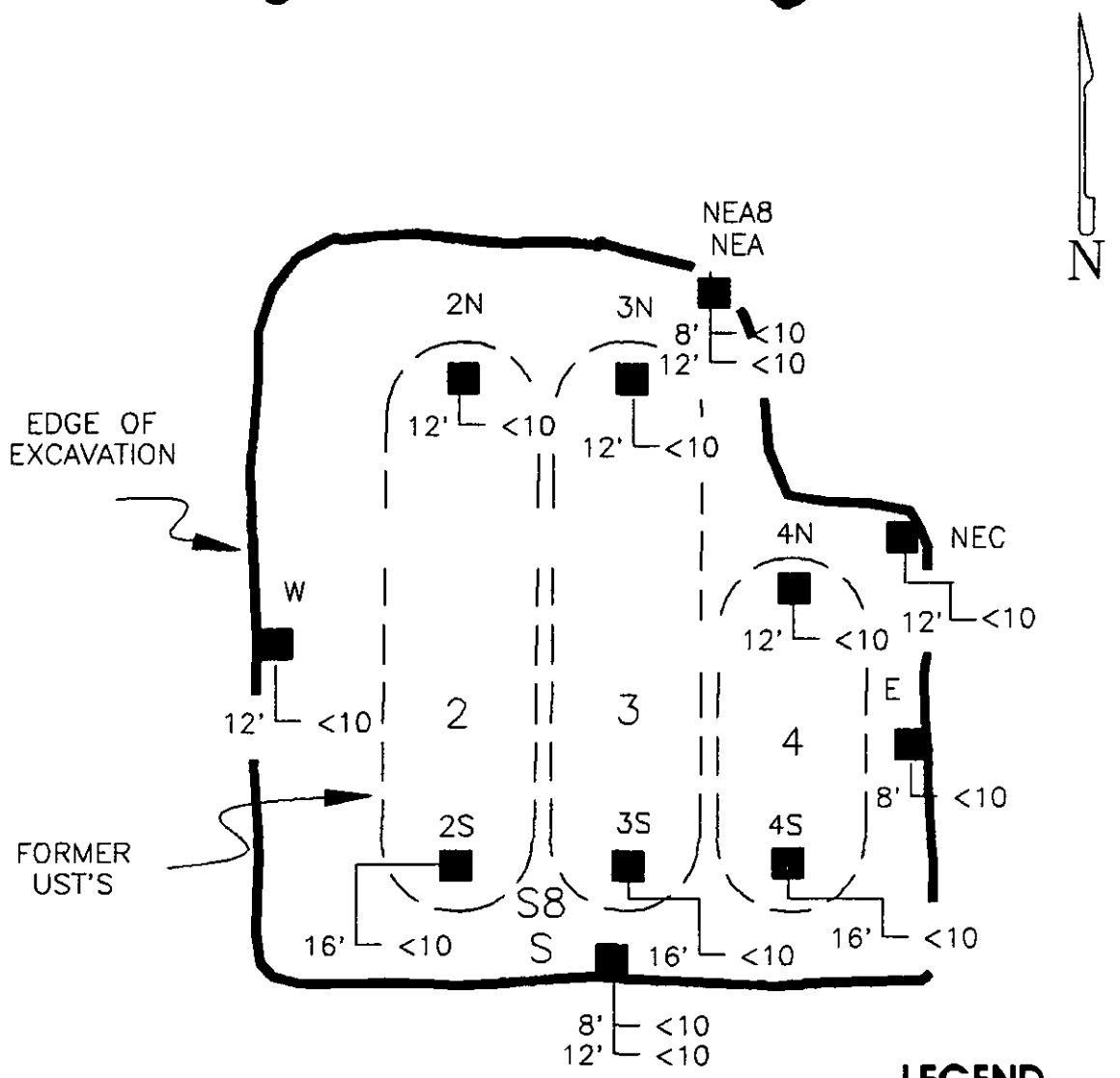
On June 13, 1991, thirteen soil samples were collected from the gasoline tank pit. Samples were collected from beneath the ends of each tank after the tank pit backfill materials were excavated and stockpiled. Soil samples were collected at a depth of approximately two feet below the tank pit backfill within native material. Immediately after the removal of the tanks, water was observed at a depth of approximately 13 feet below grade and groundwater was observed seeping into the excavation along the top of the Stadium Conglomerate formation. Soil samples were collected from the tank pit sidewalls at a depth of 12 feet just above the water level in the excavation. Samples were also collected from the excavation sidewalls at a depth of 8 feet just above the formational contact. Samples were analyzed for BTEX and TPH_g by Modified EPA Method 8020/8015. Laboratory reports are included in Appendix 4 and summarized below in Table 4. Soil sample locations and TPH_g concentrations are shown on Figure 5.

TABLE 3
GASOLINE TANK PIT EXCAVATION
SOIL SAMPLE ANALYTICAL RESULTS
PURGEABLE AROMATICS AND TOTAL PETROLEUM HYDROCARBONS
AS GASOLINE IN SOIL
MODIFIED EPA METHOD 8020/8015
Parts Per Million (PPM)

D. = 13' bgs

Sample I.D.	Depth (feet)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	TPH_g
Tank Pit - beneath tanks							
2N	16	<0.005	<0.005	<0.005	<0.015	--	<10
2S	16	<0.005	<0.005	<0.005	<0.015	--	<10
3N	16	<0.005	<0.005	<0.005	<0.015	--	<10
3S	16	<0.005	<0.005	<0.005	<0.015	--	<10
4N	16	<0.005	<0.005	<0.005	<0.015	--	<10
4S	16	<0.005	<0.005	<0.005	<0.015	--	<10
Tank Pit - above water level observed in excavation							
NEA	12	<0.005	<0.005	<0.005	<0.005	--	<10
W	12	<0.005	<0.005	<0.005	<0.015	--	<10
S	12	<0.005	<0.005	<0.005	<0.015	--	<10
NEC	12	<0.005	<0.005	<0.005	<0.015	--	<10
Tank Pit - above formational contact							
E	8	0.011	0.010	<0.005	<0.015	0.021	<10
S8	8	<0.005	<0.005	<0.005	0.025	0.025	<10
NEA8	8	<0.005	<0.005	<0.005	<0.015	--	<10

B = Benzene, T = Toluene, E = Ethylbenzene, X = Xylene
<number = Below Method Detection Limit
-- = Below Method Detection Limits for all BTEX compounds
Sample I.D. (ex. 1N) = Tank I.D. No. 1, compass orientation (NSEW)



LEGEND

SAMPLE LOCATION

DEPTH IN FEET

ANALYTICAL RESULTS

3' 270 TPH AS GASOLINE (PPB)
5' 370 TPH AS GASOLINE (PPB)
7' 430 TPH AS GASOLINE (PPB)

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.

0 10 20

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-TP1

DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO ROAD

LA MESA, CA

023401525

TPH IN SOIL- GASOLINE TANK PIT

FIGURE 5

Laboratory results of soil samples collected from the gasoline tank pit excavation indicated that TPH concentrations were below method detection limits in all samples. The highest concentration of benzene was 0.011 ppm.

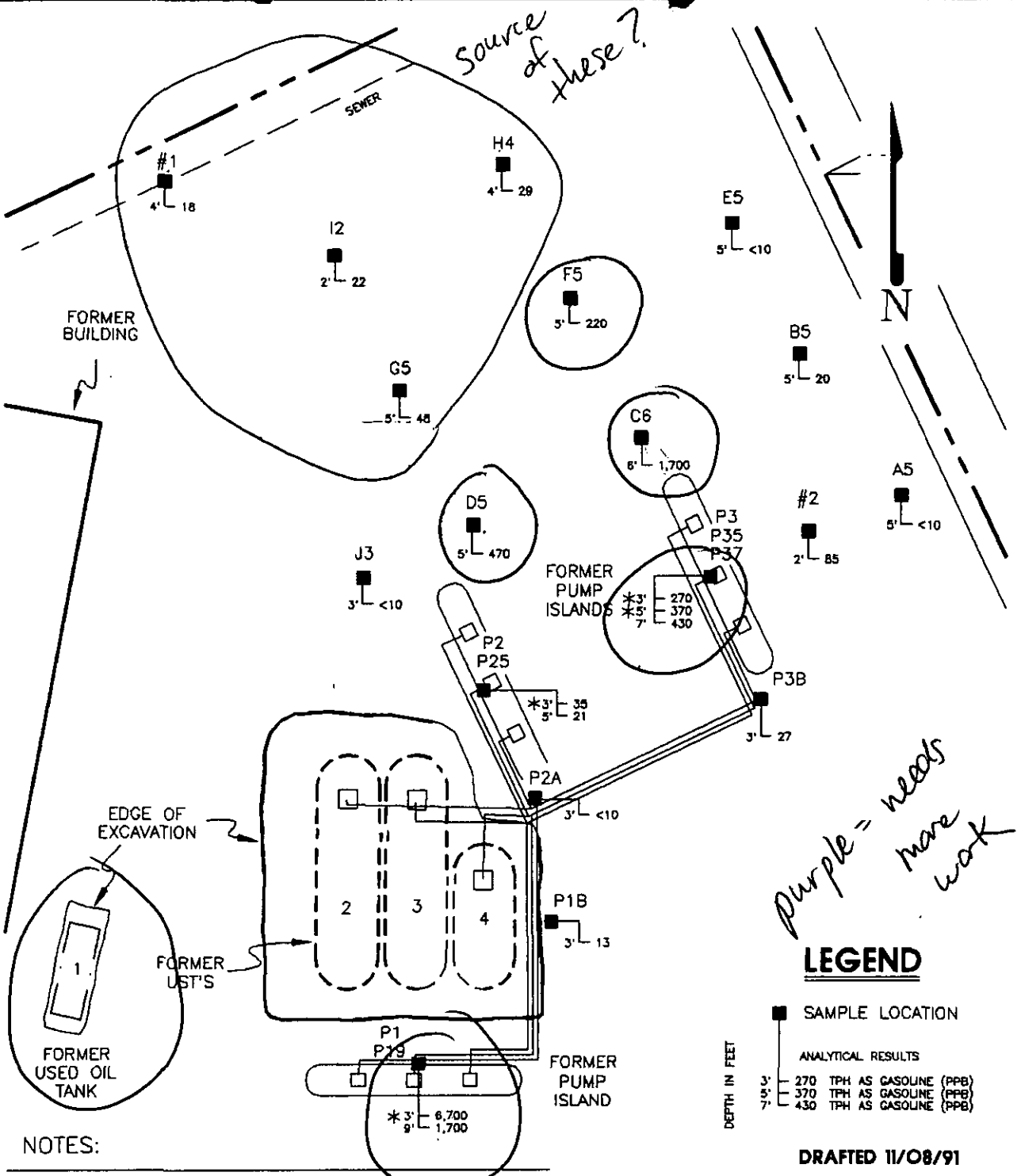
Pump Island and Product Line Soil Sample Collection

On June 14, 1991, soil samples were collected from beneath each pump island and at three locations along the product lines. Samples were collected at depths approximately two feet beneath the product line backfill in native material. Soil sample locations and TPH_g concentrations are shown on Figure 6. The samples were analyzed for Purgeable Aromatics (BTEX) and Total Petroleum Hydrocarbons (TPH_g) as Gasoline in Soil by Modified EPA Method 8020/8015. The sample which contained the highest TPH_g concentration was also analyzed for Total Organo Lead in Soil by Flame Atomic Adsorption DHS Method. Based on the results of these analyses additional samples were collected at depth beneath the former pump islands. Laboratory reports are presented in Appendices 4 and 5 and are summarized below in Table 4.

TABLE 4
PUMP ISLAND AND PRODUCT LINE
SOIL SAMPLE ANALYTICAL RESULTS
PURGEABLE AROMATICS AND TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN SOIL
MODIFIED EPA METHOD 8020/8015 TOTAL ORGANIC LEAD IN SOIL
FLAME AA DHS METHOD
Parts Per Million (PPM)

Sample I.D.	Depth (feet)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	TPH_g	Organic Lead
Pump Island P1								
P1	3	0.65	18	95	790	900	6700	<0.5
P19	9	<0.1	5.5	39	300	340	1700	-
Pump Island P2								
P2	3	0.23	0.086	1.0	5.1	6.4	35	-
P25	5	0.063	0.006	0.45	0.89	1.4	21	-
Pump Island P3								
P3	3	2.7	26	7.5	56	92	270	-
P35	5	2.3	7.9	8.2	50	68	370	-
P37	7	0.39	4.4	38	19	62	430	-
Product Line								
P1B	3	0.021	<0.005	0.077	0.66	0.76	13	-
P3B	3	0.29	0.025	1.3	5.4	7.0	27	-
P2A	3	0.21	0.012	0.62	0.37	1.2	<10	-

B = Benzene, T = Toluene, E = Ethylbenzene, X = Xylene
TPH_g = Total Petroleum Hydrocarbons as gasoline
<number = Below Method Detection Limit
- = Analysis not performed
Sample I.D. (ex. 1N) = Tank I.D. No. 1, orientation (NSEW)



NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.
3. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
4. * = SAMPLE REPRESENTS EXCAVATED SOIL.

DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023401525

TPH IN SOIL- PUMP ISLANDS, PRODUCT LINES, TEST PITS

FIGURE 6

GROUNDWATER TECHNOLOGY, INC.

1525-TPP

0 20 40

APPROX SCALE IN FEET

NOT TRUE ... there are no regulatory guidelines

Laboratory results of soil samples collected from beneath the pump islands indicated TPH_g concentrations above regulatory guidelines (100 ppm) beneath pump islands "P1" and "P3". Soil samples collected from beneath pump island "P2" contained TPH_g concentrations less than 100 ppm. Soil samples collected from beneath the product lines indicated TPH_g concentrations ranging from 13 to 27 ppm. Organic lead concentrations in sample "P1" were below method detection limits. The TPH_g concentration in soil beneath pump island P1 decreases with depth while the TPH_g concentration in soil beneath pump island P3 increases with depth.

Review of these results indicated that further excavation and soil sampling was necessary to evaluate the extent of gasoline hydrocarbons in the areas beneath the former pump islands "P1" and "P3".

Soil samples collected from the gasoline tank pit and product lines indicated benzene and TPH_g concentrations were below regulatory guidelines (<100 ppm) and these areas were not excavated further.

Pump island "P1" is located directly adjacent to the south side of the gasoline tank pit and further excavation could not be completed. The area in the vicinity of pump island "P3" was evaluated by excavating and sampling ten test pits. Results of the test pit sampling are summarized below.

Test Pit Soil Sample Collection

On June 21, 1991 seven test pits ("A" through "G") were excavated in the area adjacent to former pump island "P3" to evaluate the horizontal and vertical extent of gasoline hydrocarbons. Two additional soil samples were also collected. Sample #1 was collected along the northwestern property line adjacent to a concrete footing and sample #2 was collected 10 feet to the east of pump island "P3". During excavation beneath the former pump islands, the soil above the formational contact, approximately five feet in depth, contained the highest concentrations of gasoline vapors based on field observations (i.e. odors, TLV). Soil samples were collected just above the contact and submitted for laboratory analysis of BTEX and TPH_g. Laboratory reports are included in Appendix 5. After review of the analytical results, three additional test pits ("H","I",and "J") were excavated and sampled on August 20, 1991. Laboratory results of the samples collected on August 20 are included with those from the stockpile characterization in Appendix 5. Laboratory reports are included in Appendix 4 and soil sample locations and TPH_g concentrations are shown on Figure 6 and are summarized below in Table 5.

TABLE 5
TEST PIT SOIL SAMPLE ANALYTICAL RESULTS
PURGEABLE AROMATICS AND TOTAL PETROLEUM HYDROCARBONS
AS GASOLINE IN SOIL
MODIFIED EPA METHOD 8020/8015

Sample I.D.	Depth (feet)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	TPHg
A5	5	0.054	<0.005	0.055	0.30	0.41	<10
B5	5	0.040	0.006	0.44	0.86	1.3	20
C6	6	7.6	65	39	210	320	1700
D5	5	1.1	12	12	73	98	470
E5	5	<0.005	<0.005	<0.005	<0.015	--	<10
F5	5	1.0	0.87	5.1	55	62	220
G5	5	0.017	0.043	2.1	3.0	5.3	48
H4	4	0.096	0.030	0.18	0.20	0.51	29
I2	2	0.12	0.013	0.32	0.29	0.74	22
J3	3	0.046	<0.005	0.015	<0.015	0.061	<10
#1	4	0.011	0.023	0.82	0.22	1.1	18
#2	2	0.83	0.15	3.5	3.6	8.1	85

B = Benzene, T = Toluene, E = Ethylbenzene, X = Xylene
<number = Below Method Detection Limit
BDL = Below Method Detection Limits for all analytes
-- = Below Method Detection Limits for all BTEX compounds
Sample I.D. (ex. 1N) = Tank I.D. No. 1, orientation (NSEW)

Laboratory results indicated only three samples (C6, D5, and F5) with TPH_g concentrations above the regulatory guidelines (100 ppm TPH_g). These samples were collected just above the formational contact. Review of these results indicates that soils with TPHg greater than 100 ppm extend 30 to 50 feet north of pump islands "P2" and "P3". The vertical extent will require further evaluation. Samples could not be obtained at depth within the Stadium Conglomerate formation because the formation is difficult to excavate with standard equipment.

STOCKPILE CHARACTERIZATION

Soil stockpiles from the initial tank removal operations and from further excavation activities were characterized on August 20, 1991. The characterization was performed by applying the following sampling protocol to each 100 cubic yards of stockpiled soil.

Dividing each 100 cubic yard section into quadrants (A,B,C, and D)

Collecting one sample from each quadrant utilizing a random number generator applied to a three dimensional grid.

Collecting the sample with a backhoe or shovel to within one foot of the designated location.

Submitting the sample for laboratory analysis.

The analytical results for each quadrant are then evaluated by utilizing the procedures outlined in the EPA Publication SW-846. This provides a method for estimating the mean concentration of a given compound within the soil mass and the minimum number of samples necessary to calculate this mean to within a specified confidence level.

Used Oil Tank Stockpile Characterization

Approximately 50 cubic yards of soil is located to the west of the used oil tank excavation (Fig 7). The stockpiled soil was characterized according to the method outlined above. Soil samples were analyzed for TPH_{ir}. Laboratory analytical results are summarized below in Table 6 and are included in Appendix 6. Soil sample locations are illustrated on Figure 8.

TABLE 6
USED OIL STOCKPILE CHARACTERIZATION
SOIL SAMPLE ANALYTICAL RESULTS
TPH_{IR} IN SOIL BY
EPA METHOD 418.1

Sample I.D.	Depth (feet)	TPH_{ir}
WOA	2	2,400
WOB	2	240

A full characterization of the used oil tank stockpile was not completed as further excavation is anticipated in this area. Soils from future excavation activities will be added to the existing stockpile and a full stockpile characterization will be performed.

Gasoline Tank Stockpile Characterization

The gasoline tank and pump island excavation activities resulted in approximately 500 cubic yards of soil (Fig. 7). These stockpiles were characterized as one pile divided into five sections labeled I,II,III,IV, and V (Fig.7). Soil samples were analyzed for TPH_g and laboratory analytical results are included in Appendix 5 and are summarized below in Table 7. Soil sample locations are illustrated on Figures 8 and 9.

TABLE 7
GASOLINE TANK STOCKPILE CHARACTERIZATION
SOIL SAMPLE ANALYTICAL RESULTS
BTEX AND TPH_g IN SOIL BY
MODIFIED EPA METHOD 8020/8015

Sample I.D.	Depth (feet)	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Total BTEX	TPH_g
IA	6.5	<0.005	0.008	<0.005	0.071	0.079	<10
IB	5.5	<0.005	<0.005	<0.005	<0.015	--	<10
IC	6.5	<0.005	<0.005	<0.005	<0.015	--	<10
ID	9	<0.005	<0.005	<0.005	<0.015	--	<10
IIA	1	<0.005	0.008	<0.005	0.064	0.072	<10
IIB	2	<0.005	<0.005	<0.005	<0.015	--	<10
IIC	8	<0.005	<0.005	<0.005	<0.015	--	<10
IID	2	<0.005	<0.005	<0.005	<0.015	--	<10
IIIA	3	<0.005	<0.005	<0.005	<0.015	--	<10
IIIB	4.5	<0.005	<0.005	<0.005	0.026	0.026	<10
IIIC	5.5	<0.005	<0.005	<0.005	<0.015	--	<10
IIID	6	<0.005	<0.005	<0.005	<0.015	--	<10
IVA	2	0.016	0.012	<0.005	0.020	0.048	<10
IVB	4	<0.005	<0.005	<0.005	0.015	0.015	<10
IVC	2	<0.005	<0.005	<0.005	<0.015	--	<10
IVD	3	<0.005	<0.005	<0.005	<0.015	--	<10
VA	3.5	<0.005	<0.005	<0.005	<0.015	--	<10
VB	4	<0.005	0.006	<0.005	<0.015	0.006	<10
VC	3	<0.005	0.021	0.12	0.89	1.0	87
VD	2	<0.005	0.006	<0.005	<0.015	0.006	<10

BTEX = Benzene, Toluene, Ethyl Benzene, Xylene
TPH_g = Total petroleum hydrocarbons as gasoline in soil
III = *Stockpile Section*
C = Section Quadrant
<number = Below Method Detection Limits
-- = Below Method Detection Limits for all BTEX compounds

HAZARDOUS MATERIALS MANAGEMENT DIVISION
UNDERGROUND TANK REMOVAL/CLOSURE REPORT

FIRE AGENCY PRESENT?
☒ YES ☐ NO
PERMIT NO. _____
DEPT. LA MESA
% L.E.L. <5%

ESTABLISHMENT # H12687 PLAN CHECK # AT2244

SITE NAME CHEVRON PHONE 18003526939

ADDRESS 7651 ALVARADO RD. CITY/ZIP CODE 92041

CONTRACTOR ~~[illegible]~~ HOEFER AND SONS PHONE 619 422 8700

NUMBER OF TANKS 4 ☒ REMOVAL ☐ CLOSURE IN PLACE

					REMARKS:
TANK EDP NUMBER	T001	T002	T003	T004	(1) T001 - HEAVY CORROSION - HEAVY PITTING
U/L TAG NUMBER	UNKNOWN	→	→	→	UNDERTANK - HOLES FOUND ON NORTH END.
CAPACITY (GALS)	1000	10K	10K	5K	T002, T003, T004 - MED CORROSION SLIGHT
MATERIAL STORED	W.O	GASOLINE	→	→	PITTING, NO HOLES OBSERVED.
DECONTAMINATION?	YES BY CROSBY + OVERTON				
MANIFEST AVAILABLE?	89546533 1000 GALLON TO GIBSON OIL REF.				(2) PURGED WATER AT ~12.0' HEAVY
% LEL (CGI READING)	<5%	→	→	→	STAINING UNDER T002, T003 T004
DRY ICE/OTHER (AMT)	NONE	150lbs	150lbs	150lbs	LARGE CONGLOMERATE AT ~15', ~~[illegible]~~ SITUATION
TANK CONDITION	SEE REMARKS (1)				ON N. END OF T001
BACKFILL SOIL TYPE	COARSE SAND W/ SMALL TO LARGE CONGLOMERATE.				HEAVY STAINING OBSERVED UNDER
BACKFILL CONDITION	NO DECOLORATION OBSERVED				PRODUCT LINES LEADING INTO TANK EXCAVAT,
NATIVE SOIL TYPE	REDDISH BROWN MEDIUM GRAINS ~~[illegible]~~ SAND				
NATIVE CONDITION	SEE REMARKS (2)	→	→	→	(3) PURGED H2O AT ~12.0' - SHEEN NOTED
EXCAVATION ODORS?	~~[illegible]~~ NO	YES	→	→	UNDER TANKS T002, T003, T004
STOCKPILE ODORS?	NONE	SLIGHT	→	→	
PONDED PRODUCT?	SEE REMARKS (3)				
PIPELINE LEAK?	UNKNOWN	→	→	→	TANKS GOING TO 3662 OTAY RD.
REINSPECTION REQUIRED?	NO	→	→	→	HOEFER + SONS YARD TO BE SCRAPED THEN TO PACIFIC STEEL.

NOTICE: You are hereby notified that on 6/13/91, a Hazardous Materials Specialist conducted an inspection for the closure of FOUR (4) hazardous substance underground storage tanks. A summary of the conditions follows:

☐ A determination of this site's status is pending receipt of Laboratory Analyses Results for samples taken this date. Results must be submitted within 30 days. To avoid delays, have the Laboratory send a copy of the results directly to _____ (print) of the (HMMD) see address below:

☒ Contamination of the excavation area has been noted by observations made during the tank removal this date. **BEGIN SITE ASSESSMENT PHASE**-(See reverse for details).

☐ **COMPLETE THE SITE SAMPLING WITHIN 5 WORK DAYS OF THIS REMOVAL OR A FULL SITE ASSESSMENT WILL BE REQUIRED.**

Received by [signature]

Printed Name WILLIAM M. LINES G.T. INC.
AGENT FOR CHEVRON U.S.A. INC.

Phone Number (619) 453 8415

(ESTABLISHMENT COPY)

[signature]
Hazardous Materials Specialist
County of San Diego
Department of Health Services
P. O. Box 85261
San Diego, CA 92138-5261
(619) 338-2222

DHS:HM-916 (10/89)

TANK OWNER/OPERATOR REQUIREMENTS FOR UNDERGROUND TANK REMOVALS

SITE SAFETY

* Notify the local Fire Department immediately if a fire or explosion hazard is present.

* In the event a hazardous substance is ponded in the excavation, immediately take steps to remove any ponded hazardous liquid from the excavation. This liquid is considered to be a Hazardous Waste and must be handled in accordance with current Hazardous Waste Requirements.

* It is the responsibility of the tank owner/operator or their agent to maintain the site in a safe and secure manner. The backfilling of an excavation for safety purposes in no way indicates that an UNAUTHORIZED RELEASE at a site has been mitigated to the satisfaction of this Department or any other regulatory agency.

* Issuance of a permit to install new tanks at a site where old tanks have been removed/closed in place does not imply that an UNAUTHORIZED RELEASE at a site has been mitigated to the satisfaction of this Department, or any other regulatory agency.

* The owner/operator of the tank is responsible for paying all costs associated with the site assessment and cleanup activities including the costs of the HMMD to oversee those activities.

* **FAILURE TO COMPLY** with the permit conditions, Fire Code, or County of San Diego HMMD requirements may prevent approval of the work performed. In such cases a reinspection fee will be required. In addition there may be civil or criminal actions filed against responsible parties as prescribed by law.

REPORTING/SITE ASSESSMENT

Determining the extent and impact of contamination and completing any required clean-up is the responsibility of the tank owner/operator. **Within 5 working days**, the tank owner/operator or their agent must submit a written **UNAUTHORIZED RELEASE REPORT** to HMMD (address on front) in accordance with provisions of the California Health and Safety Code, Division 20, Chapter 6.7, and the California Code of Regulations Title 23, Chapter 3, Subchapter 16.

Completion of the Underground Storage Tank Unauthorized Release (Leak) Contamination Site report **HSC 05 (4/87)** form is required.

Subsequent mitigation actions will be discussed upon review of the submitted report and consultation with other appropriate agencies.

SOIL SAMPLING
TECHNIQUES AND QUALITY ASSURANCE

To prevent cross contamination between samples, the sampler was washed prior to each sampling using the "three bucket" wash system. This system involves:

1. Washing the split-spoon sampler in a TSP and water solution.
2. Rinsing sampler in tap water.
3. Rinsing sampler in distilled water.

To maintain the integrity of each soil sample the following procedures were performed. After extraction soil samples were:

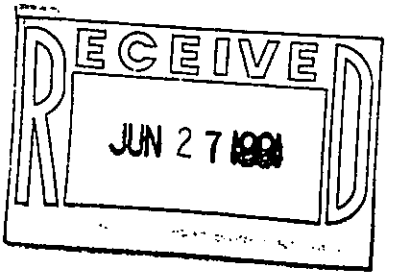
1. Collected in 6-inch brass sample tubes.
2. Sealed with foil or teflon caps.
3. Wrapped with duct tape.
4. Properly labeled with complete custody forms.
5. Waterproofed in plastic containers.
6. Placed in a cooler and chilled with on ice.
7. Delivered to a state certified laboratory.

All soil samples were frozen and stored at the laboratory for 30 days in anticipation of the need for subsequent analysis.

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106297
Report Issue Date: June 21, 1991



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Attached please find the analytical results for the samples received by GTEL on 6-15-91. The samples were received and analyzed as indicated on the chain of custody.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rebecca Hsu Chou

Rebecca Hsu-Chou, Ph.D.
Laboratory Director
cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106297
Report Issue Date: June 21, 1991

TRPH = 680 PPM

Table 1
ANALYTICAL RESULTS
Pesticides and PCBs in Soil
EPA Method 8080[a]

GTEL Sample Number		1A			
Client Identification		1N			
Date Sampled		6-13-91			
Date Analyzed		6-19-91			
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Aldrin	0.01	<0.01			
a-BHC	0.01	<0.01			
b-BHC	0.05	<0.05			
d-BHC	0.05	<0.05			
g-BHC Lindane	0.05	<0.05			
Chlordane	0.05	<0.05			
4,4' DDD	0.02	<0.02			
4,4' DDE	0.01	<0.01			
4,4' DDT	0.02	<0.02			
Dieldrin	0.05	<0.05			
Endosulfan I	0.01	<0.01			

a = Test Methods for Evaluating Solid Waste,SW-846, Third Edition, Revision O, US EPA November 1986; Extraction by EPA Method 3550 (sonication).

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106297
Report Issue Date: June 21, 1991

Table 1 (Continued)
ANALYTICAL RESULTS
Pesticides and PCBs in Soil
EPA Method 8080[a]

GTEL Sample Number		1A			
Client Identification		1N			
Date Sampled		6-13-91			
Date Analyzed		6-19-91			
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Endosulfan II	0.05	<0.05			
Endosulfan sulfate	0.05	<0.05			
Endrin	0.01	<0.01			
Endrin aldehyde	0.05	<0.05			
Heptachlor	0.02	<0.02			
Heptachlor epoxide	0.1	<0.1			
Methoxychlor	0.01	<0.01			
Toxaphene	0.5	<0.5			
PCBs-1221	0.1	<0.1			
PCBs-1232	0.1	<0.1			
PCBs-1242 (1016)	0.1	<0.1			
PCBs-1248	0.1	<0.1			
PCBs-1254	0.1	<0.1			
PCBs-1260	0.1	<0.1			

a = Test Methods for Evaluating Solid Waste,SW-846, Third Edition, Revision O, US EPA November 1986; Extraction by EPA Method 3550 (sonication).

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106297
Report Issue Date: June 21, 1991

QA Conformance Summary

Pesticides and PCBs in Soil
EPA Method 8080

GTEL Sample No. Range: 1A Date of Analysis: 6-19-91

1.0 Blanks

The Reagent blank was below the detection limit as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for PCBs in the aqueous independent QC check sample as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Hexachlorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for PCBs in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for PCB in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106297
Report Issue Date: June 21, 1991

Table 2
REAGENT BLANK DATA
Pesticides and PCBs in Soil
EPA Method 8080

Date of Analysis: 6-19-91

Analyte	Concentration, mg/kg
Aldrin	ND
a-BHC	ND
b-BHC	ND
d-BHC	ND
g-BHC Lindane	ND
Chlordane	ND
4,4'DDD	ND
4,4'DDE	ND
4,4' DDT	ND
Dieldrin	ND
Endosulfan I	ND
Endosulfan II	ND
Endosulfan sulfate	ND
Endrin	ND
Endrin aldehyde	ND
Heptachlor	ND
Heptachlor epoxide	ND
Methoxychlor	ND
Toxephene	ND
PCBs-1221	ND
PCBs-1232	ND
PCBs-1242 (1016)	ND
PCBs-1248	ND
PCBs-1254	ND
PCBs-1260	ND

ND = Not Detected

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106297
Report Issue Date: June 21, 1991

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

PCBs in Soil
EPA Method 8080

Date of Analysis: 6-19-91

Analyte	Expected Result, ug/mL	Observed Result, ug/mL	Recovery, %	Acceptability Limits, %[1]
PCB 1232	2.00	1.74	87.0	80-120

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

PCBs in Soil
EPA Method 8080

Analyte	Lot Number	Source
PCBs-1232	LA 18597	SUPELCO

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106297
Report Issue Date: June 21, 1991

Table 4

SURROGATE COMPOUND RECOVERY

Hexachlorobenzene

Pesticides and PCBs in Soil

EPA Method 8080

Acceptability Limits[1]: 80 - 120 %

GTEL No.	Expected Result, ug/mL	Surrogate Result, ug/mL	Surrogate Recovery, %
Blank	100	85.5	85.5
1A	100	119	119
MS	100	108	108

MS = Matrix Spike Sample
Source: Ultra Scientific STS #110

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106297
Report Issue Date: June 21, 1991

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

PCBs in Soil
Method 8080

Date of Analysis: 6-19-91 Reference: T106297
Sample Spiked: Sand Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
PCB 1232	<0.1	1.00	0.741	74.1	29-131

1 = Acceptability limits are adapted from Test Methods for Evaluating Solid Waste SW-846, Method 8080.
<# = Not detected at the indicated detection limit.

Table 6

LABORATORY MATRIX SPIKE DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

PCBs in Soil

EPA Method 8080

Date of Analysis: 6-19-91 Reference:
Sample Used: Sand Units: mg/Kg

Analyte	MS, % Recovery	MSD, % Recovery	RPD, %	Maximum RPD, %
PCBs-1232	74.1	83.8	12.3	30

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON / LA MESA
PROJECT I.D. No.
CONSULTANT NAME G.T. Inc.
ADDRESS MESA RIM RD. SD. CA
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UHDEN
(PHONE) (714) 964-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW 18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE) [signature]
COLLECTION DATE 6/13/91

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS	OTHER			DETECTION LIMIT	REMARKS
2N	1A	1	✓		✓		6/13			✓		✓	~~✓~~								T1-06-291
2S	2A	1	✓		✓		6/13			✓		✓	~~✓~~								T1-06-292
3N	3A	1	✓		✓		6/13			✓		✓									T1-06-293
~~3S~~		~~1~~	~~✓~~		~~✓~~		~~6/13~~			~~✓~~		~~✓~~									
4N	4A	1	✓		✓		6/13			✓		✓									T1-06-294
4S	5A	1	✓		✓		6/13			✓		✓									EPA ~~[illegible]~~
NEA	6A	1	✓		✓		6/13			✓		✓									O-LEAD
W	7A	1	✓		✓		6/13			✓		✓									
S	8A	1	✓		✓		6/13			✓		✓									
NEC	9A	1	✓		✓		6/13			✓		✓									
1N	10A/1A	1	✓		✓		6/13			✓		✓	✓								EPA 8010
1S	11A/2A	1	✓		✓		6/13			✓		✓	✓								EPA 8080
																					HIGHEST 418.1

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	5-26/14	FED. EX.	678-7377463	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 9:00 6-15-91

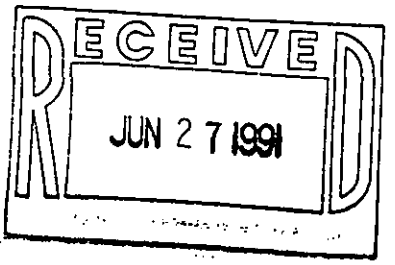
TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

619 453 2688 GTI SAN DIEGO 06/17/91 08:53 003

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106294
Report Issue Date: June 20, 1991



Mr. Bill Lines
Groundwater Technology, Inc.
Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Attached please find the analytical results for the samples received by GTEL on 6-15-91. The samples were received and analyzed as indicated on chain of custody, which is attached.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rebecca Hsu Chou 1/4

Rebecca Hsu-Chou, Ph.D.
Laboratory Director
cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106294
Report Issue Date: June 20, 1991

TRPH = 680 ppm

Table 1
ANALYTICAL RESULTS
Halogenated Volatile Organics in Soil
EPA Method 8010[a]

GTEL Sample Number		1A			
Client Identification		1N			
Date Sampled		6-13-91			
Date Extracted		6-19-91			
Date Analyzed		6-19-91			
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Chloromethane	0.5	<0.5			
Bromomethane	0.5	<0.5			
Vinyl chloride	1.0	<1.0			
Chloroethane	0.5	<0.5			
Methylene Chloride	0.5	<0.5			
1,1-Dichloroethene	0.2	<0.2			
1,1-Dichloroethane	0.5	<0.5			
trans-1,2-Dichloroethene	0.5	<0.5			
Chloroform	0.5	<0.5			
1,2-Dichloroethane	0.5	<0.5			
1,1,1-Trichloroethane	0.5	<0.5			
Carbon Tetrachloride	0.5	<0.5			
Bromodichloromethane	0.5	<0.5			
1,2-Dichloropropane	0.5	<0.5			
cis-1,3-Dichloropropene	0.5	<0.5			
Trichloroethene	0.5	<0.5			
Dichlorodifluoromethane	0.5	<0.5			
Dibromochloromethane	0.5	<0.5			
1,1,2-Trichloroethane	0.5	<0.5			
trans-1,3-Dichloropropene	0.5	<0.5			
2-Chloroethylvinyl Ether	1.0	<1.0			

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986; Methanolic extraction by EPA Method 5030 (purge and trap).

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106294
Report Issue Date: June 20, 1991

Table 1 con't

ANALYTICAL RESULTS

Halogenated Volatile Organics in Soil
EPA Method 8010[a]

GTEL Sample Number		1A			
Client Identification		1N			
Date Sampled		6-13-91			
Date Extracted		6-19-91			
Date Analyzed		6-19-91			
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Bromoform	0.5	<0.5			
Tetrachloroethene	0.5	<0.5			
1,1,2,2-Tetrachloroethane	0.5	<0.5			
Chlorobenzene	0.5	<0.5			
1,2-Dichlorobenzene	0.5	<0.5			
1,3-Dichlorobenzene	0.5	<0.5			
1,4-Dichlorobenzene	0.5	<0.5			
Trichlorofluoromethane	0.5	<0.5			
Detection Limit Multiplier		1			

a - Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986; Methanolic extraction by EPA Method 5030 (purge and trap).

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106294
Report Issue Date: June 20, 1991

QA Conformance Summary

Purgeable Halocarbons in Soil
EPA Method 8010

GTEL Sample No. Range: 1A Date of Analysis: 6-19-91

1.0 Blanks

0 of 29 target compounds found in Reagent blank as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 7 out of 8 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (1.4-Dichlorobutane) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 8 of 8 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criteria was met for 8 of 8 compounds in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106294
Report Issue Date: June 20, 1991

Table 2

REAGENT BLANK DATA

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 6-19-91

Analyte	Concentration, mg/kg
Bromodichloromethane	<0.5
Bromoform	<0.5
Bromomethane	<0.5
Carbon tetrachloride	<0.5
Chlorobenzene	<0.5
Chloroethane	<0.5
2-Chloroethylvinyl ether	<1.0
Chloroform	<0.5
Chloromethane	<0.5
Dibromochloromethane	<0.5
1,2-Dichlorobenzene	<0.5
1,3-Dichlorobenzene	<0.5
1,4-Dichlorobenzene	<0.5
Dichlorodifluoromethane	<0.5
1,1-Dichloroethane	<0.5
1,2-Dichloroethane	<0.5
1,1-Dichloroethene	<0.2
trans-1,2-Dichloroethene	<0.5
1,2-Dichloropropane	<0.5
cis-1,3-Dichloropeopene	<0.5
trans-1,3-Dichloropeopene	<0.5

GTEL ENVIRONMENTAL LABORATORIES, INC.

Table 2 (continue)

REAGENT BLANK DATA

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 6-19-91

Analyte	Concentration, mg/kg
Methylene chloride	<0.5
1,1,2,2-Tetrachloroethane	<0.5
Tetrachloroethene	<0.5
1,1,1-Trichloroethane	<0.5
1,1,2-Trichloroethane	<0.5
Trichloroethene	<0.5
Trichlorofluoromethane	<0.5
Vinyl Chloride	<1.0

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106294
Report Issue Date: June 20, 1991

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 6-19-91

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[1]
1,1-Dichloro-ethane	25	18.7	74.8	84.0-116
Chloroform	25	21.2	84.8	75.0-125
Carbon Tetrachlo-ride	25	21.3	85.2	68.5-132
Trichloroethene	25	22.6	90.4	77.0-123
Tetrachloroethene	25	21.5	86.0	70.0-130
Chlorobenzene	25	19.3	77.2	72.0-128
Dibromochloro methane	25	20.0	80.0	65.5-135
1,2-Dichloro-ethane	25	21.8	87.2	71.5-129

1 = Acceptability limits are adapted from EPA Method 8010,SW-846 Test Method for Evaluating Solid Waste.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Table 3a
INDEPENDENT QC CHECK SAMPLE SOURCE
Purgeable Halocarbons in Soil
EPA Method 8010

Analyte	Lot Number	Source
1,1-Dichloro-ethane	LA24710/LA23378	Supelco
Chloroform	LA24710/LA23378	Supelco
Carbon Tetrachlo-ride	LA24710/LA23378	Supelco
Trichlorothene	LA24710/LA23378	Supelco
Tetrachloroethene	LA24710/LA23378	Supelco
Chlorobenzene	LA24710/LA23378	Supelco
Dibromochloro methane	LA24710/LA23378	Supelco
1,2-Dichloro-ethane	LA24710/LA23378	Supelco

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106294
Report Issue Date: June 20, 1991

Table 4

SURROGATE COMPOUND RECOVERY

1.4-Dichlorobutane

Purgeable Halocarbons in Soil
EPA Method 8010

Acceptability Limits[1]: 80 - 120 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %	
Blank	100	100	100	
1A	100	127	127	

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106294
Report Issue Date: June 20, 1991

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 6-19-91
Sample Spiked: 1A
Reference: T106164
Units: mg/kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
1,1-Dichloroethane	<0.5	1.43	0.67	46.8	47-132
Chloroform	<0.5	1.43	0.92	64.3	49-133
Carbon Tetrachloride	<0.5	1.43	0.67	46.8	43-143
Trichloroethene	<0.5	1.43	1.07	74.8	35-146
Tetrachloroethene	<0.5	1.43	0.89	62.2	26-162
Chlorobenzene	<0.5	1.43	1.08	75.5	38-150
Dibromochloromethane	<0.5	1.43	1.09	76.2	24-191
1,2-Dichloroethane	<0.5	1.43	1.11	77.6	51-147

1 = Acceptability limits are adapted from EPA Method 8010, SW-846 Test Method for evaluating Solid Waste.
ND = Not detected above the statistical detection limit.

generally low 8010

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106294
Report Issue Date: June 20, 1991

Table 6

SAMPLE AND SAMPLE DUPLICATE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 6-19-91 Reference: T106194
Sample Used: 1A Units mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
1,1-Dichloroethane	<0.5	<0.5	0	30
Chloroform	<0.5	<0.5	0	30
Carbon Tetrachloride	<0.5	<0.5	0	30
Trichloroethene	<0.5	<0.5	0	30
Tetrachloroethene	<0.5	<0.5	0	30
Chlorobenzene	<0.5	<0.5	0	30
Dibromochloromethane	<0.5	<0.5	0	30
1,2-Dichloroethane	<0.5	<0.5	0	30

GTEL ENVIRONMENTAL LABORATORIES, INC.

619 453 2688 GTI SAN DIEGO 06/17/91 08:53 003

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON / LA MESA
PROJECT I.D. No.
CONSULTANT NAME G.T. Inc.
ADDRESS MESA RIM RD. SD. CA
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UHDEN
(PHONE) (714) 964-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW 18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE) [signature]
COLLECTION DATE 6/13/91

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015/8020 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS	OTHER			DETECTION LIMIT	REMARKS
2N	1A	1	✓		✓		6/13			✓		✓	~~✓~~	✓							T1-06-291 T1-06-292 T1-06-295
2S	2A	1	✓		✓		6/13			✓		✓	~~✓~~	✓							T1-06-294
3N	3A	1	✓		✓		6/13			✓		✓									EPA ~~[illegible]~~
~~3S~~		~~1~~	~~✓~~		~~✓~~		~~6/13~~			~~✓~~		~~✓~~									O. LEAD
4N	4A	1	✓		✓		6/13			✓		✓									HIGHEST
4S	5A	1	✓		✓		6/13			✓		✓									8015/TPH
NEA	6A	1	✓		✓		6/13			✓		✓									T1-06-297
W	7A	1	✓		✓		6/13			✓		✓									
S	8A	1	✓		✓		6/13			✓		✓									
NEC	9A	1	✓		✓		6/13			✓		✓									
1N	10A/1A	1	✓		✓		6/13			✓		✓	✓								EPA 8010
1S	11A/2A	1	✓		✓		6/13			✓		✓	✓								EPA 8080
																					HIGHEST 418.1

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	5-26/14	FED EX.	078-7377463	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 9:00 6-15-91

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

CHEVRON/LA MESA

P. O. No.

CONSULTANT NAME C&T Tech

ADDRESS 1155A Rancho Del Rio, SD CA

PROJECT CONTACT (NAME) Bill (Jim)

PHONE (619)443-8115

CHEVRON FACILITY No. 9-3521

CHEVRON CONTACT (NAME) Jessica Hibbin

PHONE 714/969-3551

LABORATORY NAME GTEL Torrance

CONTRACT NUMBER 116 CSW 19800

COLLECTED BY (NAME) Willy Ng Lino

(SIGNATURE)

COLLECTION DATE 6/14/91

CHAIN-OF-CUSTODY RECORD

SAMPLE NO	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES: BTXE	EPA 602 AROMATIC VOLATILES: BTXE	METALS	OTHER			DETECTION LIMIT	REMARKS
P3	12A	1	✓		✓		6/14	11:30		✓	✓									EPA
13B	13A	1	✓		✓			11:40		✓	✓									Bill
P2A	14A	1	✓		✓			12:10		✓	✓									CLEAND W
P5	15A	1	✓		✓			12:20		✓	✓									HIGHEST
P1B	16A	1	✓		✓			12:30		✓	✓									AUS/7PM
E	17A	1	✓		✓			12:40		✓	✓									
P1	18A	1	✓		✓			1:00		✓	✓		← 18A (P1)							
39	19A	1	✓		✓			1:05		✓	✓		is the highest							
DUP	20A	1	✓		✓			1:10		✓	✓									6/19/91 MS
P4	21A	1	✓		✓			1:20		✓	✓									
P2	22A	1	✓		✓		↓	2:00		✓	✓									

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	C.T. Inc	5:00 6/14	FED EX #	078737	6074
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature) Tom Schumacher		DATE/TIME 9:00 6-16-91

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

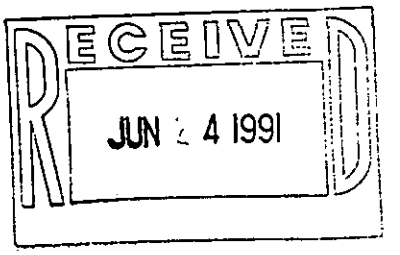
SW FORM 8-1-89

619 453 7688 GTEL SAN DIEGO 06/17/91 08:52 002

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106292
Report Issue Date: June 18, 1991



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Attached please find the analytical results for the samples received by GTEL on 6-15-91. The samples were received and analyzed as indicated on the chain of custody, which is attached.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rebecca Hsu-Chou

Rebecca Hsu-Chou, Ph.D.
Laboratory Director
cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106292
Report Issue Date: June 18, 1991

Table 1

ANALYTICAL RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, mg/Kg[1]
GTEL No.	Client ID				
1A	1N	6-13-91	6-17-91	6-17-91	680
2A	1S	6-13-91	6-17-91	6-17-91	110

1 = Method detection limit = 5 mg/Kg; analyte below this level would not be detected.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106292
Report Issue Date: June 18, 1991

QA Conformance Summary

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

GTEL Sample No. Range: 1A-2A Date of Analysis: 6-17-91

1.0 Blanks

The method blank was below the detection limit as shown in Table 2.

2.0 Calibration Verification Standards

2.1 The control limits were met for the initial calibration verification standard (ICVS) as shown in Table 3.

3.0 Matrix Spike (MS) Accuracy

The control limits were met for the MS as shown in Table 4.

4.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for the sample duplicate as shown in Table 5.

5.0 Sample Handling

5.1 Sample handling and holding time criteria were met for all samples.

5.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106292
Report Issue Date: June 18, 1991

Table 2

METHOD BLANK DATA

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Date of Analysis: 6-17-91

Analyte	Concentration, mg/Kg
Petroleum Hydrocarbons	<5

< # = Not detected at the indicated detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106292
Report Issue Date: June 18, 1991

Table 3

INITIAL CALIBRATION
VERIFICATION STANDARDS RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Date of Analysis: 6-17-91

Initial Calibration Verification Standard				
Analyte	Expected Result, mg/L	Observed Result, mg/L	Recovery, %	Acceptability Limits, %[1]
Petroleum Hydrocarbons	25.2	25.0	99.2	80-120

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INITIAL CALIBRATION
VERIFICATION STANDARDS SOURCE
Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Initial Calibration Verification Standard		
Analyte	Lot Number	Source
n-hexadecane	CAS 544-76-3	EM
isooctane	CAS 540-84-1	EM
chlorobenzene	CAS 108-90-7	EM

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106292
Report Issue Date: June 18, 1991

Table 4

MATRIX SPIKE (MS) RECOVERY REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Date of Analysis: 6-17-91 Reference: T106263
Sample Spiked: 1A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Petroleum Hydrocarbons	<5	93.1	91.9	97.7	68-118

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

<# = Not detected at the indicated detection limit.

Table 5

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Date of Analysis: 6-17-91 Reference: T106263
Sample Used: 1A Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Petroleum Hydrocarbons	<5	<5	N/A	20

N/A = Not applicable RPD is not applicable when the sample concentration is less than 5 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

619 453 2688 GTI SAN DIEGO 06/17/91 08:53 003

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON / LA MESA
PROJECT I.D. No.
CONSULTANT NAME G.T. Inc.
ADDRESS MESA RIM RD. SD. CA
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UHDEN
(PHONE) (714) 964-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW 18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE) [signature]
COLLECTION DATE 6/13/91

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS	OTHER			DETECTION LIMIT	REMARKS
2N	1A	1	✓		✓		6/13			✓		✓	~~✓~~								T1-06-291 T1-06-292 T1-06-293
2S	2A	1	✓		✓		6/13			✓		✓	~~✓~~								EPA ~~[illegible]~~
3N	3A	1	✓		✓		6/13			✓		✓									O LEAD
~~3S~~		~~1~~	~~✓~~		~~✓~~		~~6/13~~			~~✓~~		~~✓~~									~~[illegible]~~
4N	4A	1	✓		✓		6/13			✓		✓									HIGHEST
4S	5A	1	✓		✓		6/13			✓		✓									8015/TPH
NEA	6A	1	✓		✓		6/13			✓		✓									T1-06-~~297~~ 297
W	7A	1	✓		✓		6/13			✓		✓									
S	8A	1	✓		✓		6/13			✓		✓									
NEC	9A	1	✓		✓		6/13			✓		✓									
1N	10A/1A	1	✓		✓		6/13			✓		✓	✓								EPA 8010
1S	11A/2A	1	✓		✓		6/13			✓		✓	✓								EPA 8080
																					HIGHEST 418.1

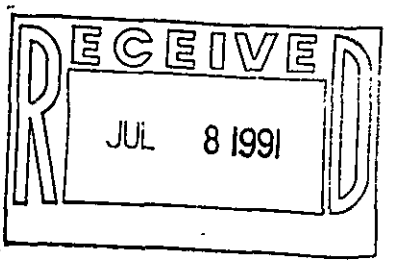
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	5-26/14	FED. EX.	078-7377463	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature) [signature]		DATE/TIME 9:00 6-15-91

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106506
Report Re-issue Date: July 2, 1991



Mr. Bill Lines
Groundwater Techology, Inc.
9940 Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

This report replaces the original report issued one June 28, 1991, due to the typographical errors on page 2. Attached please find the analytical results for the samples received by GTEL on 6-22-91. The samples were received and analyzed as indicated on the chain of custody, which is attached.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rebecca Hsu Chou ISH

Rebecca Hsu-Chou, Ph.D.
Laboratory Director
cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106506
Report Re-Issue Date: July 2, 1991

Table 1

ANALYTICAL RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, mg/Kg[1]
GTEL No.	Client ID				
1A	1S12	6-21-91	6-27-91	6-28-91	25
2A	1N12	6-21-91	6-27-91	6-28-91	1700
3A	1W8	6-21-91	6-27-91	6-28-91	41
4A	1E8	6-21-91	6-27-91	6-28-91	240
5A	1NE	6-21-91	6-27-91	6-28-91	14000

1 = Method detection limit = 5 mg/Kg; analyte below this level would not be detected.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106506
Report Re-issue Date: July 2, 1991

QA Conformance Summary

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

GTEL Sample No. Range: 1A-5A Date of Analysis: 6-28-91

1.0 Blanks

The method blank was below the detection limit as shown in Table 2.

2.0 Calibration Verification Standards

2.1 The control limits were met for the initial calibration verification standard (ICVS) as shown in Table 3.

3.0 Matrix Spike (MS) Accuracy

The control limits were met for the MS as shown in Table 4.

4.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for the sample duplicate as shown in Table 5.

5.0 Sample Handling

5.1 Sample handling and holding time criteria were met for all samples.

5.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106506
Report Re-issue Date: July 2, 1991

Table 2

METHOD BLANK DATA

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Date of Analysis: 6-28-91

Analyte	Concentration, mg/Kg
Petroleum Hydrocarbons	<5 ✓

< # = Not detected at the indicated detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106506
Report Re-Issue Date: July 2, 1991

Table 3

INITIAL CALIBRATION
VERIFICATION STANDARDS RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Date of Analysis: 6-28-91

Initial Calibration Verification Standard				
Analyte	Expected Result, mg/L	Observed Result, mg/L	Recovery, %	Acceptability Limits, %[1]
Petroleum Hydrocarbons	25.2	23.4	92.9	80-120

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INITIAL CALIBRATION
VERIFICATION STANDARDS SOURCE
Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Initial Calibration Verification Standard		
Analyte	Lot Number	Source
n-hexadecane	CAS 544-76-3	EM
isooctane	CAS 540-84-1	EM
chlorobenzene	CAS 108-90-7	EM

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106506
Report Re-issue Date: July 2, 1991

Table 4

MATRIX SPIKE (MS) RECOVERY REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Date of Analysis: 6-28-91 Client ID: 1S12
Sample Spiked: 1A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Petroleum Hydrocarbons	25.2	95.6	110	88.7	68-118

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

< # = Not detected at the indicated detection limit.

Table 5

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM503E/418.1

Date of Analysis: 6-28-91 Client ID: 1S12
Sample Used: 1A Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Petroleum Hydrocarbons	26.8	23.6	12.7	20

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: CHEVRON/LA MESA
PROJECT I.D. No.: 02340
CONSULTANT NAME: G.T. Inc. S.D. CA
ADDRESS: MESA RIM RD
PROJECT CONTACT (NAME): BILL LINES
(PHONE): (619) 453-8415
CHEVRON FACILITY No.: 9-3521
CHEVRON CONTACT (NAME): ROGER HEDEN
(PHONE): (714) 969-3651

LABORATORY NAME: GTEL TORRANCE
CONTRACT NUMBER: M16 CSW18860
COLLECTED BY (NAME): WILLIAM M. LINES
(SIGNATURE): [signature]
COLLECTION DATE: 06/21/91

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	ANALYSES TO BE PERFORMED: MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
✓ 1S12	32	1	✓		/		6/21	8:20		✓		✓								TI-06-423
✓ 1N12	32A	1	✓		/			8:35		/		✓								TI-06-506
✓ 1W8	33A	1	/		/			8:40		/		✓								
✓ 1EB	34A	1	/		/			8:45		/		/								
✓ 1NE	35A	1	/		/		↓	1:00		/		/								

01 0C

6/21/91

Result after 2 days?

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	6/21/91 1400	FED EX #	674011867 4	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 6/27

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106423
Report Re-issue Date: November 8, 1991

Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

This report replaces the original report issued on June 27, 1991, due to the typographical error on page 2.Attached please find the analytical results for the samples received by GTEL on 6-22-91. The samples were received and analyzed as indicated on the chain of custody, which is attached.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Minsoon Song

Minsoon Song
Laboratory Director

cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106423
Report Re-issue Date: November 8, 1991

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		9A	10A	11A	12A**
Client Identification		F5	G5	1S12	1N12
Date Sampled		6-21-91	6-21-91	6-21-91	6-21-91
Date Extracted		6-24-91	6-24-91	6-24-91	6-24-91
Date Analyzed		6-26-91	6-24-91	6-24-91	6-26-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	1.0	0.17	<0.005	<0.05
Toluene	0.005	0.87	0.043	<0.005	<0.05
Ethyl Benzene	0.005	5.1	2.1	<0.005	0.06
Xylene (total)	0.015	55	3.0	<0.015	0.47
BTEX (total)	-	62	5.3	-	0.53
TPH as Gasoline	10	220	48	<10	<100

GTEL Sample Number		13A	14A	15A**	
Client Identification		1W8	1E8	1NE	
Date Sampled		6-21-91	6-21-91	6-21-91	
Date Extracted		6-24-91	6-24-91	6-24-91	
Date Analyzed		6-25-91	6-26-91	6-26-91	
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.05	
Toluene	0.005	<0.005	<0.005	0.52	
Ethyl Benzene	0.005	<0.005	<0.005	0.99	
Xylene (total)	0.015	<0.015	<0.015	7.2	
BTEX (total)	-	-	-	8.7	
TPH as Gasoline	10	<10	<10	<100	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030
** Detection limit raised due to matrix effect (foaming).

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106423
Report Re-issue Date: November 8, 1991

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A-15A Date of Analysis: 6/24, 25, 26/91

1.0 Blanks

0 of 4 target compounds found in Reagent blank and the Reagent blank was below detection limit for gasoline as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were not met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criteria was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106423
Report Re-issue Date: November 8, 1991

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-26-91

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106423
Report Re-issue Date: November 8, 1991

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-26-91

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[1]
Benzene	150	131	87.3	75.1-113
Toluene	150	126	84.0	73.1-121
Ethyl Benzene	150	136	90.7	70.5-128
Xylene (total)	450	416	92.4	67.8-140

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	E-0110	Ultra Scientific
Toluene	E-0110	Ultra Scientific
Ethyl Benzene	E-0110	Ultra Scientific
Xylene (total)	E-0110	Ultra Scientific

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106423
Report Re-Issue Date: November 8, 1991

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[1]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	89.2	89.2
1A	100	252*	252*
2A	100	103	103
3A	100	147*	147*
4A	100	99.1	99.1
5A	100	88.2	88.2
6A	100	171*	171*
7A	100	130*	130*
8A	100	79.1	79.1
9A	100	551*	551*
10A	100	196*	196*
11A	100	82.7	82.7
12A	100	78.5	78.5
13A	100	88.7	88.7
14A	100	103	103
15A	100	86.3	86.3
MS	100	89.2	89.2
MSD	100	93.5	93.5

MS = Matrix Spike Sample
MSD = Matrix Spike Duplicate Sample
* = Matrix effect
Source: Ultra Scientific, Lot #:STS-110

higher recoveries

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106423
Report Re-issue Date: November 8, 1991

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-26-91
Sample Spiked: 9A
Reference: T106262
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Benzene	<0.005	3.33	1.91	57.4	30.9-88.4
Toluene	<0.005	3.33	1.99	59.8	29.3-95.3
Ethyl Benzene	<0.005	3.33	2.17	65.2	33.2-106
Xylene (total)	<0.015	10.0	6.70	67.0	36.1-99.7

1 = Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# = Not detected at the indicated detection limit.

low

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-26-91
Sample Used: 9A
Reference: T106262
Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	N/A	30
Toluene	<0.005	<0.005	N/A	30
Ethyl Benzene	<0.005	<0.005	N/A	30
Xylene (total)	<0.015	<0.015	N/A	30
TPH as Gasoline	<10	<10	N/A	30

NA = Not applicable RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHEVRON/LA MESA
PROJECT I.D. No. 02340
CONSULTANT NAME G.T. Inc.
ADDRESS MESA RIM RD.
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER HOGN
(PHONE) (714) 969-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW 18860
COLLECTED BY (NAME) WILLIAM M. LINES
(SIGNATURE)
COLLECTION DATE 06/21/91

CHAIN-OF-CUSTODY RECORD

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015/8020 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
P19	1A	1	✓		✓		6/21	9:20		✓	✓									T-06-423
B35	2A	1	✓		✓			10:00		✓	✓									
P25	3A	1	✓		✓			10:15		✓	✓									
A5	4A	1	✓		✓			10:45		✓	✓									
B5	5A	1	✓		✓			12:15		✓	✓									
C6	6A	1	✓		✓			12:00		✓	✓									
D5	7A	1	✓		✓			12:20		✓	✓									
E5	8A	1	✓		✓			12:50		✓	✓									
F5	9A	1	✓		✓			12:40		✓	✓									
G5	10A	1	✓		✓		↓	12:30		✓	✓									

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	G.T. Inc.	6/21/91	FED. EX #	674D11 8674	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 6/22

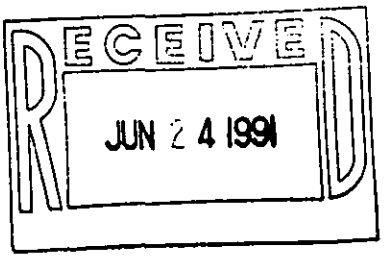
TURN AROUND TIME (CIRCLE CHOICE)
24 HRS
(48 HRS)
10 DAYS

SW FORM E-1-89

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106291
Report Issue Date: June 19, 1991



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Attached please find the analytical results for the samples received by GTEL on 6-15-91. The samples were received and analyzed as indicated on the chain of custody, which is attached.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rebecca Hsu-Chou

Rebecca Hsu-Chou, Ph.D.
Laboratory Director

cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106291
Report Issue Date: June 19, 1991

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		1A	2A	3A	4A
Client Identification		2N	2S	3N	4N
Date Sampled		6-13-91	6-13-91	6-13-91	6-13-91
Date Extracted		6-17-91	6-17-91	6-17-91	6-17-91
Date Analyzed		6-19-91	6-19-91	6-19-91	6-19-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene (total)	0.015	<0.015	<0.015	<0.015	<0.015
BTEX (total)	-	-	-	-	-
TPH as Gasoline	10	<10	<10	<10	<10

GTEL Sample Number		5A	6A	7A	8A
Client Identification		4S	NEA	W	S
Date Sampled		6-13-91	6-13-91	6-13-91	6-13-91
Date Extracted		6-17-91	6-17-91	6-17-91	6-17-91
Date Analyzed		6-19-91	6-19-91	6-19-91	6-19-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene (total)	0.015	<0.015	<0.015	<0.015	<0.015
BTEX (total)	-	-	-	-	-
TPH as Gasoline	10	<10	<10	<10	<10

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106291
Report Issue Date: June 19, 1991

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		9A	10A	11A	12A
Client Identification		NEC	IN	IS	P3
Date Sampled		6-13-91	6-13-91	6-13-91	6-13-91
Date Extracted		6-17-91	6-17-91	6-17-91	6-17-91
Date Analyzed		6-18-91	6-18-91	6-18-91	6-18-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	2.7
Toluene	0.005	<0.005	<0.005	<0.005	26
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	7.5
Xylene (total)	0.015	<0.015	0.040	<0.015	56
BTEX (total)	-	-	0.040	-	92
TPH as Gasoline	10	<10	<10	<10	270

GTEL Sample Number		13A	14A	15A	16A
Client Identification		P3B	P2A	P2	P1B
Date Sampled		6-13-91	6-13-91	6-13-91	6-13-91
Date Extracted		6-17-91	6-17-91	6-17-91	6-17-91
Date Analyzed		6-18-91	6-18-91	6-18-91	6-18-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.29	0.21	0.23	0.021
Toluene	0.005	0.025	0.012	0.086	<0.005
Ethyl Benzene	0.005	1.3	0.62	1.0	0.077
Xylene (total)	0.015	5.4	0.37	5.1	0.66
BTEX (total)	-	7.0	1.2	6.4	0.76
TPH as Gasoline	10	27	<10	35	13

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106291
Report Issue Date: June 19, 1991

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		17A	18A	19A	20A
Client Identification		E	P1	S8	NEA8
Date Sampled		6-13-91	6-13-91	6-13-91	6-13-91
Date Extracted		6-17-91	6-17-91	6-17-91	6-17-91
Date Analyzed		6-18-91	6-18-91	6-18-91	6-18-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.011	0.65	<0.005	<0.005
Toluene	0.005	0.010	18	<0.005	<0.005
Ethyl Benzene	0.005	<0.005	95	<0.005	<0.005
Xylene (total)	0.015	<0.015	790	0.025	<0.015
BTEX (total)	-	0.021	900	0.025	-
TPH as Gasoline	10	<10	6700	<10	<10

GTEL Sample Number		21A	22A		
Client Identification		#1	#2		
Date Sampled		6-13-91	6-13-91		
Date Extracted		6-17-91	6-17-91		
Date Analyzed		6-19-91	6-17-91		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.011	0.83		
Toluene	0.005	0.023	0.15		
Ethyl Benzene	0.005	0.82	3.5		
Xylene (total)	0.015	0.22	3.6		
BTEX (total)	-	1.1	8.1		
TPH as Gasoline	10	18	85		

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106291
Report Issue Date: June 19, 1991

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A-22A Date of Analysis: 6/17-18/91

1.0 Blanks

0 of 4 target compounds found in Reagent blank and the Reagent blank was below detection limit for gasoline as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criteria was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106291
Report Issue Date: June 19, 1991

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-17-91

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106291
Report Issue Date: June 19, 1991

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-17-91

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[1]
Benzene	150	141	94.0	75.1-113
Toluene	150	137	91.3	73.1-121
Ethyl Benzene	150	139	92.7	70.5-128
Xylene (total)	450	420	93.3	67.8-140

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	E-0110	Ultra Scientific
Toluene	E-0110	Ultra Scientific
Ethyl Benzene	E-0110	Ultra Scientific
Xylene (total)	E-0110	Ultra Scientific

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106291
Report Issue Date: June 19, 1991

Table 4
SURROGATE COMPOUND RECOVERY
Bromofluorobenzene
Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[1]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	76.7	76.7
1A	100	106	106
2A	100	101	101
3A	100	99.8	99.8
4A	100	100	100
5A	100	104	104
6A	100	99.6	99.6
7A	100	80.6	80.6
8A	100	78.6	78.6
9A	100	90.0	90.0
10A	100	77.2	77.2
11A	100	79.4	79.4
12A	100	97.9	97.9
13A	100	112	112
14A	100	88.3	88.3
15A	100	122	122
16A	100	86.1	86.1
17A	100	78.5	78.5
18A	100	118	118
19A	100	77.1	77.1
20A	100	78.4	78.4
21A	100	101	101
22A	100	95.1	95.1
4A MS	100	92.6	92.6
4A DUP	100	86.9	86.9

MS = Matrix Spike Sample
Source: Ultra Scientific, Lot #:STS-110

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106291
Report Issue Date: June 19, 1991

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-17-91 Reference: T106291
Sample Spiked: 4A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Benzene	<0.005	3.33	1.51	45.3	30.9-88.4
Toluene	<0.005	3.33	1.54	46.2	29.3-95.3
Ethyl Benzene	<0.005	3.33	1.60	48.0	33.2-106
Xylene (total)	<0.015	10.0	5.05	50.5	36.1-99.7

1 = Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
< # = Not detected at the indicated detection limit.

low

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-17-91 Reference: T106291
Sample Used: 4A Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	N/A	30
Toluene	<0.005	<0.005	N/A	30
Ethyl Benzene	<0.005	<0.005	N/A	30
Xylene (total)	<0.015	<0.015	N/A	30
TPH as Gasoline	<10	<10	N/A	30

NA = Not applicable RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON / LA MESA
PROJECT I.D. No.
CONSULTANT NAME G.T. Inc.
ADDRESS MESA RIM RD. SD. CA
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UHDEN
(PHONE) (714) 964-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW 18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE) [signature]
COLLECTION DATE 6/13/91

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 802 AROMATIC VOLATILES-BTXE	METALS	OTHER			DETECTION LIMIT	REMARKS
2N	1A	1	✓		✓		6/13			✓		✓	~~✓~~	✓							T1-06-291 T1-06-292 T1-06-293
2S	2A	1	✓		✓		6/13			✓		✓	~~✓~~	✓							T1-06-294
3N	3A	1	✓		✓		6/13			✓		✓									EPA ~~7420~~
~~3S~~		~~1~~	~~✓~~		~~✓~~		~~6/13~~			~~✓~~		~~✓~~									O-LEAD
4N	4A	1	✓		✓		6/13			✓		✓									HIGHEST
4S	5A	1	✓		✓		6/13			✓		✓									8015/TPH
NEA	6A	1	✓		✓		6/13			✓		✓									T1-06-~~295~~ 297
W	7A	1	✓		✓		6/13			✓		✓									
S	8A	1	✓		✓		6/13			✓		✓									
NEC	9A	1	✓		✓		6/13			✓		✓									
1N	10A/1A	1	✓		✓		6/13			✓		✓	✓								EPA 8010
1S	11A/2A	1	✓		✓		6/13			✓		✓	✓								EPA 8030
																					HIGHEST 418.1

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	5-26/14	FED. EX	078-7377463	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature) [signature]		DATE/TIME 9:00 6-15-91

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

619 453 2688 GTI SAN DIEGO 06/17/91 08:53 003

619 453 2688 GTI SAN DIEGO 06/17/91 08:52 002

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

CHAIN-OF-CUSTODY RECORD

PROJECT I.D. No. CHEVRON/LA MESA
CONSULTANT NAME GT Inc.
ADDRESS MESA RIM RD. SDCA
PROJECT CONTACT (NAME) BILL LINO
(PHONE) (619)453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) [illegible]
(PHONE) 1747 969-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW 18860
COLLECTED BY (NAME) WILLIAM LINO
(SIGNATURE) [signature]
COLLECTION DATE 6/14/91

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015/8020 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 802 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
P3	12A	1	✓		✓		6/14	11:30		✓		✓									EPA
P3B	13A	1	✓		✓			11:40		✓		✓									~~[illegible]~~ Be 6/1
P2A	14A	1	✓		✓			12:10		✓		✓									OLEAD ON
P2	15A	1	✓		✓			12:20		✓		✓									HIGHEST
P1B	16A	1	✓		✓			12:30		✓		✓									AUS/TPH
E	17A	1	✓		✓			12:40		✓		✓									
P1	18A	1	✓		✓			1:00		✓		✓									
S9	19A	1	✓		✓			1:05		✓		✓									
[illegible]	20A	1	✓		✓			[illegible]		✓		✓									
11	21A	1	✓		✓			9:30		✓		✓									
12	22A	1	✓		✓			2:00		✓		✓									

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	GT Inc	5:00 6/14	FED EX #	0789377474	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 9:00 6-16-91
			Tom [signature]		

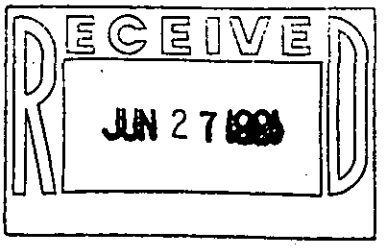
TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

SW FORM E-1-89

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106293
Report Issue Date: June 21, 1991



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Attached please find the analytical results for the samples received by GTEL on 6-17-91. The samples were received and analyzed as indicated on the chain of custody, which is attached.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rebecca Hsu-Chou

Rebecca Hsu-Chou, Ph.D.
Laboratory Director
cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106293
Report Issue Date: June 21, 1991

Table 1

ANALYTICAL RESULTS

Total Organo Lead in Soil by Flame AA
DHS Method

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, mg/Kg[2]
GTEL No.	Client ID				
1A	P1	6-14-91	6-20-91	6-21-91	<0.5

1 = Extraction by DHS Method
2 = Method detection limit = 0.5 mg/Kg; analyte below this level would not be detected.

7 days

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106293
Report Issue Date: June 21, 1991

QA Conformance Summary

Total Organo Lead in Soil by Flame AA
DHS Method

GTEL Sample No. Range: 1A Date of Analysis: 6-21-91

1.0 Blanks

The method blank was below the detection limit as shown in Table 2.

2.0 Calibration Verification Standards

2.1 The control limits were met for the initial calibration verification standard (ICVS) as shown in Table 3.

3.0 Matrix Spike (MS) Accuracy

The control limits were met for 1 of 1 elements in the MS as shown in Table 4.

4.0 Sample Duplicate Precision

Relative percent difference criterion was met for the sample duplicate as shown in Table 5.

5.0 Sample Handling

5.1 Sample handling and holding time criteria were met for all samples.

6.1 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106293
Report Issue Date: June 21, 1991

Table 2

METHOD BLANK DATA

Total Organo Lead In Soil by Flame AA
DHS Method

Date of Analysis: 6-21-91

Analyte	Concentration, mg/Kg
Total Organo Lead	<0.5

<# = Not detected at the indicated detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106293
Report Issue Date: June 21, 1991

Table 3

INITIAL CALIBRATION
VERIFICATION STANDARDS RESULTS

Total Organo Lead in Soil by Flame AA
DHS Method

Date of Analysis: 6-21-91

Initial Calibration Verification Standard				
Analyte	Expected Result, ug/ml	Observed Result, ug/ml	Recovery, %	Acceptability Limits, %[1]
Total Organo Lead	0.400	0.463	116	80-120

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INITIAL CALIBRATION
VERIFICATION STANDARDS SOURCE

Total Organo Lead in Soil by Flame AA
DHS Method

Initial Calibration Verification Standard		
Analyte	Lot Number	Source
Total Organo Lead	2308-1	J.T. Baker

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106293
Report Issue Date: June 21, 1991

Table 4

MATRIX SPIKE (MS) RECOVERY REPORT

Total Organo Lead in Soil by Flame AA
DHS Method

Date of Analysis: 6-21-91 Client ID: P1
Sample Spiked: 1A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Total Organo Lead	<0.5	1.26	1.29	102	61-112

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

< # = Not detected at the indicated detection limit.

Table 5

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Total Organo Lead in Soil by Flame AA
DHS Method

Date of Analysis: 6-21-91 Client ID: P1
Sample Used: 1A Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Total Organo Lead	<0.5	<0.5	N/A	20

N/A = Not applicable RPD is not applicable when the sample concentration is less than 5 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

619 453 2688 GTI SAN DIEGO 06/17/91 08:53 003

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON / LA MESA
PROJECT I.D. No.
CONSULTANT NAME G.T. Inc.
ADDRESS MESA RIM RD. SD. CA
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UHDEN
(PHONE) (714) 964-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER MIG CSW 18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE) [signature]
COLLECTION DATE 6/13/91

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015/8020 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS	OTHER			DETECTION LIMIT	REMARKS
2N	1A	1	✓		✓		6/13			✓		✓	~~✓~~	✓							T1-06-291 T1-06-292 T1-06-293
2S	2A	1	✓		✓		6/13			✓		✓	~~✓~~	✓							T1-06-294
3N	3A	1	✓		✓		6/13			✓		✓									EPA ~~[illegible]~~
~~3S~~		~~1~~	~~✓~~		~~✓~~		~~6/13~~			~~✓~~		~~✓~~									O-LEAD
4N	4A	1	✓		✓		6/13			✓		✓									HIGHEST
4S	5A	1	✓		✓		6/13			✓		✓									8015/TPH
NEA	6A	1	✓		✓		6/13			✓		✓									T1-06-297
W	7A	1	✓		✓		6/13			✓		✓									
S	8A	1	✓		✓		6/13			✓		✓									
NEC	9A	1	✓		✓		6/13			✓		✓									
1N	10A/1A	1	✓		✓		6/13			✓		✓	✓								EPA 8010
1S	11A/2A	1	✓		✓		6/13			✓		✓	✓								EPA 8080
																					HIGHEST 418.1

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	5-26/14	FED. EX.	078-7377463	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 9:00 6-15-91

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

CHEVRON/LA MESA

PROJECT I.D. No.

CONSULTANT NAME GT Env.

ADDRESS 1145 Aviation Pl. SD CA

PROJECT CONTACT (NAME) Bill (Jim)

PHONE (619) 453-8115

CHEVRON FACILITY No. 9-3521

CHEVRON CONTACT (NAME) Rick Hiett

PHONE (714) 969-3651

LABORATORY NAME GTEL Torrance

CONTRACT NUMBER 116 (SW 10860

COLLECTED BY (NAME) William Lino

(SIGNATURE)

COLLECTION DATE 6/14/91

CHAIN-OF-CUSTODY RECORD

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	ANALYSES TO BE PERFORMED: MODIFIED EPA 8015/8020 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 807 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
P3	12A	1	✓		✓		6/14	11:30		✓	✓									EPA
P3B	13A	1	✓		✓			11:40		✓	✓									Bill 6/19
P2A	14A	1	✓		✓			12:00		✓	✓									Blend w/ highest
P2	15A	1	✓		✓			12:20		✓	✓									
P1B	16A	1	✓		✓			12:30		✓	✓									RUS/TPH
E	17A	1	✓		✓			12:40		✓	✓									
P1	18A	1	✓		✓			1:00		✓	✓	←	18A (P1)							
39	19A	1	✓		✓			1:05		✓	✓		is the	highest						
P4	20A	1	✓		✓			1:20		✓	✓							6/19/91		MS
P4	21A	1	✓		✓			1:30		✓	✓									
P2	22A	1	✓		✓		↓	2:00		✓	✓									

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	G.T. Inc	5:00 6/14	FED EX #	078737704	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 9:00 6-16-91

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

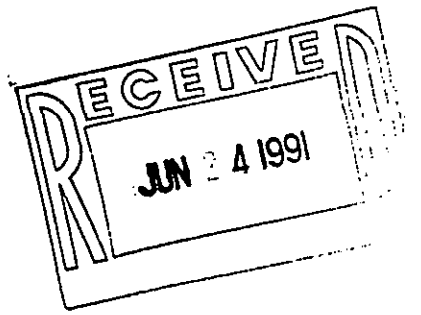
SW FORM 8-1-89

8 619 453 8688 GTEL SAN DIEGO 06/17/91 09:52 002

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106316
Report Issue Date: June 20, 1991



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Attached please find the analytical results for the samples received by GTEL on 6-18-91. The samples were received and analyzed as indicated on the chain of custody, which is attached.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Rebecca Hsu-Chou

Rebecca Hsu-Chou, Ph.D.
Laboratory Director
cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106316
Report Issue Date: June 20, 1991

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		1A			
Client Identification		3S			
Date Sampled		6-13-91			
Date Extracted		6-18-91			
Date Analyzed		6-20-91			
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005			
Toluene	0.005	<0.005			
Ethyl Benzene	0.005	<0.005			
Xylene (total)	0.015	<0.015			
BTEX (total)	-	-			
TPH as Gasoline	10	<10			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106316
Report Issue Date: June 20, 1991

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A Date of Analysis: 6-20-91

1.0 Blanks

0 of 4 target compounds found in Reagent blank and the Reagent blank was below detection limit for gasoline as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criteria was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106316
Report Issue Date: June 20, 1991

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-20-91

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106316
Report Issue Date: June 20, 1991

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-19-91

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[1]
Benzene	150	135	90.0	75.1-113
Toluene	150	127	84.7	73.1-121
Ethyl Benzene	150	127	84.7	70.5-128
Xylene (total)	450	379	84.2	67.8-140

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	E-0110	Ultra Scientific
Toluene	E-0110	Ultra Scientific
Ethyl Benzene	E-0110	Ultra Scientific
Xylene (total)	E-0110	Ultra Scientific

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106316
Report Issue Date: June 20, 1991

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[1]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	84.9	84.9
1A	100	74.6	74.6

Source: Ultra Scientific, Lot #:STS-110

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T106316
Report Issue Date: June 20, 1991

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-19-91
Sample Spiked: 4A
Reference: T106260
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Benzene	<0.005	3.33	1.42	42.6	30.9-88.4
Toluene	<0.005	3.33	1.39	41.7	29.3-95.3
Ethyl Benzene	<0.005	3.33	1.42	42.6	33.2-106
Xylene (total)	<0.015	10.0	4.41	44.1	36.1-99.7

1 = Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# = Not detected at the indicated detection limit.

low

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 6-19-91
Sample Used: 4A
Reference: T106260
Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	N/A	30
Toluene	<0.005	<0.005	N/A	30
Ethyl Benzene	<0.005	<0.005	N/A	30
Xylene (total)	<0.015	<0.015	N/A	30
TPH as Gasoline	<10	<10	N/A	30

NA = Not applicable RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHEVRON/LA MESA
PROJECT I.D. No. 02340
CONSULTANT NAME G.T. Inc
ADDRESS MESA RIM RD., ST. B
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453-3415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UHDEN
(PHONE) (714) 969-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW 18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE) [signature]
COLLECTION DATE 6/13/91

CHAIN-OF-CUSTODY RECORD

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015/8020 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER ( )			DETECTION LIMIT	REMARKS
35	1A	1	✓		✓		6/13	17:10		✓	✓									T1-06-316

2°C

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	6/17 4:30	FED. EX #	6740118652	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature) [signature]		DATE/TIME 1200 6-18-91

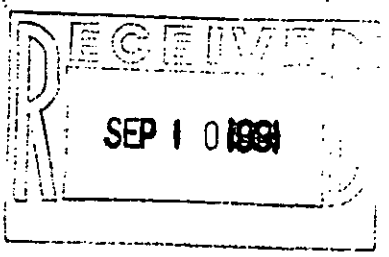
TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

SW FORM E-1-89

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Attached please find the analytical results for the samples received by GTEL on 8-21-91. The samples were received and analyzed as indicated on the chain of custody, which is attached.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director
cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		1A	2A	3A	4A
Client Identification		IV A	IV B	IV C	IV D
Date Sampled		8-20-91	8-20-91	8-20-91	8-20-91
Date Extracted		8-23-91	8-23-91	8-23-91	8-23-91
Date Analyzed		8-27-91	8-27-91	8-27-91	8-27-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.016	<0.005	<0.005	<0.005
Toluene	0.005	0.012	<0.005	<0.005	<0.005
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene (total)	0.015	0.020	0.015	<0.015	<0.015
BTEX (total)	-	0.048	0.015	-	-
TPH as Gasoline	10	<10	<10	<10	<10

GTEL Sample Number		5A	6A	7A	8A
Client Identification		V A	V B	V C	V D
Date Sampled		8-20-91	8-20-91	8-20-91	8-20-91
Date Extracted		8-23-91	8-23-91	8-23-91	8-23-91
Date Analyzed		8-27-91	8-27-91	8-27-91	8-27-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	0.006	0.021	0.006
Ethyl Benzene	0.005	<0.005	<0.005	0.12	<0.005
Xylene (total)	0.015	<0.015	<0.015	0.89	<0.015
BTEX (total)	-	-	0.006	1.0	0.006
TPH as Gasoline	10	<10	<10	87	<10

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		9A	10A	11A	12A
Client Identification		H 4	I 2	J 3	P 37
Date Sampled		8-20-91	8-20-91	8-20-91	8-20-91
Date Extracted		8-23-91	8-23-91	8-23-91	8-23-91
Date Analyzed		8-27-91	8-27-91	8-27-91	8-27-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.096	0.12	0.046	0.39
Toluene	0.005	0.030	0.013	<0.005	4.4
Ethyl Benzene	0.005	0.18	0.32	0.015	38
Xylene (total)	0.015	0.20	0.29	<0.015	19
BTEX (total)	-	0.51	0.74	0.061	62
TPH as Gasoline	10	29	22	<10	430

GTEL Sample Number		13A	14A	15A	16A
Client Identification		I A	I B	I C	I D
Date Sampled		8-20-91	8-20-91	8-20-91	8-20-91
Date Extracted		8-23-91	8-23-91	8-23-91	8-23-91
Date Analyzed		8-27-91	8-27-91	8-27-91	8-27-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	0.008	<0.005	<0.005	<0.005
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene (total)	0.015	0.071	<0.015	<0.015	<0.015
BTEX (total)	-	0.079	-	-	-
TPH as Gasoline	10	<10	<10	<10	<10

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		17A	18A	19A	20A
Client Identification		II A	II B	II C	II D
Date Sampled		8-20-91	8-20-91	8-20-91	8-20-91
Date Extracted		8-23-91	8-23-91	8-23-91	8-23-91
Date Analyzed		8-27-91	8-27-91	8-27-91	8-27-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	0.008	<0.005	<0.005	<0.005
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene (total)	0.015	0.064	<0.015	<0.015	<0.015
BTEX (total)	-	0.072	-	-	-
TPH as Gasoline	10	<10	<10	<10	<10

GTEL Sample Number		21A	22A	23A	24A
Client Identification		III A	III B	III C	III D
Date Sampled		8-20-91	8-20-91	8-20-91	8-20-91
Date Extracted		8-23-91	8-23-91	8-23-91	8-23-91
Date Analyzed		8-27-91	8-27-91	8-27-91	8-27-91
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene (total)	0.015	<0.015	0.026	<0.015	<0.015
BTEX (total)	-	-	0.026	-	-
TPH as Gasoline	10	<10	<10	<10	<10

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A-24A Date of Analysis: 8/27-28/91

1.0 Blanks

1 of 4 target compounds found in Reagent blank and the Reagent blank was below detection limit for gasoline as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criteria was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 8-27-91

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	0.011
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 8-27-91

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[1]
Benzene	150	147	98.0	75.1-113
Toluene	150	145	96.7	73.1-121
Ethyl Benzene	150	146	97.3	70.5-128
Xylene (total)	450	442	98.2	67.8-140

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	E-0110	Ultra Scientific
Toluene	E-0110	Ultra Scientific
Ethyl Benzene	E-0110	Ultra Scientific
Xylene (total)	E-0110	Ultra Scientific

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991

Table 4
SURROGATE COMPOUND RECOVERY
Bromofluorobenzene
Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[1]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
1A	100	83.4	83.4
2A	100	82.8	82.8
3A	100	85.9	85.9
4A	100	84.6	84.6
5A	100	82.0	82.0
6A	100	83.8	83.8
7A	100	111	111
8A	100	88.8	88.8
9A	100	115	115
10A	100	99.1	99.1
11A	100	73.3	73.3
12A	100	385*	385*
13A	100	75.1	75.1
14A	100	73.4	73.4
15A	100	96.9	96.9
16A	100	96.1	96.1
17A	100	89.5	89.5
18A	100	96.0	96.0
19A	100	86.9	86.9
20A	100	85.2	85.2

* = Matrix effect

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[1]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
21A	100	85.2	85.2
22A	100	90.3	90.3
23A	100	94.1	94.1
24A	100	86.3	86.3
23A MS	100	99.1	99.1
23A DUP	100	94.0	94.0

MS = Matrix Spike Sample
Source: Ultra Scientific, Lot #:STS-110

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108379
Report Issue Date: September 4, 1991

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 8-28-91
Sample Spiked: 23A
Reference: T108379
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Benzene	<0.005	3.43	1.47	42.8	30.9-88.4
Toluene	<0.005	3.43	1.45	42.3	29.3-95.3
Ethyl Benzene	<0.005	3.43	1.52	44.3	33.2-106
Xylene (total)	<0.015	10.3	4.57	44.4	36.1-99.7

1 = Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# = Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 8-28-91
Sample Used: 23A
Reference: T108379
Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	N/A	30
Toluene	<0.005	<0.005	N/A	30
Ethyl Benzene	<0.005	<0.005	N/A	30
Xylene (total)	<0.015	<0.015	N/A	30
TPH as Gasoline	<10	<10	N/A	30

NA = Not applicable, RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON/LA MESA
PROJECT I.D. No. 023401525
CONSULTANT NAME G.T. Inc.
ADDRESS 9940 MESA RIM. ST. B
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UHDEN
(PHONE) (714) 969-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16CSW18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE) [signature]
COLLECTION DATE 08/20/91

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

4°C

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB. (8020)	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
IVA	1A	1	/		/		8/20	10:45			✓									TI-08-379
IVB	2A	1	/		/			10:55			/									
IVC	3A	1	/		/			11:00			/									
IVD	4A	1	/		/			11:05			/									
IVA	5A	1	/		/			11:10			/									
IVB	6A	1	/		/			11:20			/									
IVC	7A	1	/		/			11:25			/									
IVD	8A	1	/		/			11:30			/									
H4	9A	1	/		/			1:15			/									
[illegible]	I2	10A 1	/		/			12:40			/									
[illegible]	J3	11A 1	/		/			1:15			/									
P37	(38)	12A 1	/		/			1:30			/									

Harry He
8/30/91

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	8/20 5 PM	FED EX #	0787378491 /	0787378476
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
		8-21 10:30	[signature]		8-21 10:30 am

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

SW FORM E-1-89

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHV/LA MESA
PROJECT I.D. No. 023401525
CONSULTANT NAME G.T. Inc.
ADDRESS 9940 MESA RIM ST. B
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619)453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UHDEN
(PHONE) (714) 969 3651

LABORATORY NAME GTEL TORRANCE
CONTRACT NUMBER M16 CSW19860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE)
COLLECTION DATE 08/20/91

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

40C

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015/3550 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
IA	13A	1	✓		✓		8/20	9:25		✓	✓									TI-08-379
IB	14A	1	✓		✓			9:30		✓	✓									
IC	15A	1	✓		✓			10:20		✓	✓									
ID	16A	1	✓		✓			10:15		✓	✓									
IIA	17A	1	✓		✓			9:35		✓	✓									
IIB	18A	1	✓		✓			9:40		✓	✓									
IIC	19A	1	✓		✓			10:10		✓	✓									
IID	20A	1	✓		✓			9:45		✓	✓									
IIIA	21A	1	✓		✓			10:05		✓	✓									
IIIB	22A	1	✓		✓			10:00		✓	✓									
IIIC	23A	1	✓		✓			9:55		✓	✓									
IIID	24A	1	✓		✓		↓	9:50		✓	✓									

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	G.T. Inc.	8/20 5PM	FED EX. #078737849		078737847
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			NO SIG		

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

SW FORM E-1-89

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHEVRON/LA MESA
PROJECT I.D. No. 0234015 25
CONSULTANT NAME G.T. Inc.
ADDRESS 9940 MESA RIM ST. B
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619)453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UHDEN
(PHONE) (714)969-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE)
COLLECTION DATE 08/20/91

CHAIN-OF-CUSTODY RECORD

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
WOA	25	1	✓		✓		8/20	10:25		✓		✓								TI-08-379
WOB	26	1	✓		✓		8/20	10:30		✓		✓								TI-08-380

4°C

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	G.T. Inc.	8/20 5 PM	FED. EX # 078737491		078737847 6
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 8-21 8:30 AM

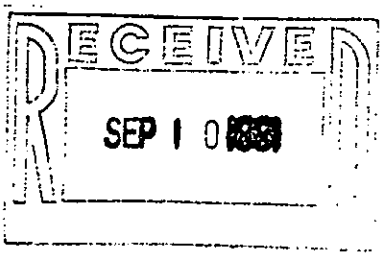
TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

SW FORM E-1-89

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GIT76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108380
Report Issue Date: Sept. 4, 1991



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Attached please find the analytical results for the samples received by GTEL on 8-21-91. The samples were received and analyzed as indicated on the chain of custody, which is attached.

GTEL maintains a formal quality assurance program to ensure the integrity of the analytical results. All quality assurance criteria were achieved during the analysis unless otherwise noted in the footnotes to the analytical report.

The specific analytical methods used and cited in this report are approved by state and federal regulatory agencies. GTEL is certified for the analysis reported herein by the Department of Health Services under certificate number E723.

If you have any questions regarding this analysis, or if we may service any additional analytical needs, please give us a call.

Sincerely,
GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director
cc: Roger Uhden

Project Number: GIT76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108380
Report Issue Date: Sept. 4, 1991

Table 1

ANALYTICAL RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, mg/Kg[1]
GTEL No.	Client ID				
1A	WOA	8-20-91	8-28-91	8-28-91	2400
2A	WOB	8-20-91	8-28-91	8-28-91	240

1 = Method detection limit = 5 mg/Kg; analyte below this level would not be detected.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GIT76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108380
Report Issue Date: Sept. 4, 1991

QA Conformance Summary

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

GTEL Sample No. Range: 1A-2A Date of Analysis: 8-28-91

1.0 Blanks

The method blank was below the detection limit as shown in Table 2.

2.0 Calibration Verification Standards

2.1 The control limits were met for the initial calibration verification standard (ICVS) as shown in Table 3.

3.0 Matrix Spike (MS) Accuracy

The control limits were met for the MS as shown in Table 4.

4.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for the sample duplicate as shown in Table 5.

5.0 Sample Handling

5.1 Sample handling and holding time criteria were met for all samples.

5.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GIT76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108380
Report Issue Date: Sept. 4, 1991

Table 2

METHOD BLANK DATA

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 8-28-91

Analyte	Concentration, mg/Kg
Petroleum Hydrocarbons	<5

< # = Not detected at the indicated detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GIT76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108380
Report Issue Date: Sept. 4, 1991

Table 3

INITIAL CALIBRATION
VERIFICATION STANDARDS RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 8-28-91

Initial Calibration Verification Standard				
Analyte	Expected Result, mg/L	Observed Result, mg/L	Recovery, %	Acceptability Limits, %[1]
Petroleum Hydrocarbons	25.2	24.3	96.4	80-120

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INITIAL CALIBRATION
VERIFICATION STANDARDS SOURCE
Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Initial Calibration Verification Standard		
Analyte	Lot Number	Source
n-hexadecane	CAS 544-76-3	EM
isooctane	CAS 540-84-1	EM
chlorobenzene	CAS 108-90-7	EM

Project Number: GIT76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T108380
Report Issue Date: Sept. 4, 1991

Table 4

MATRIX SPIKE (MS) RECOVERY REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 8-28-91 Reference: T108404
Sample Spiked: 2A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Petroleum Hydrocarbons	<5	82.2	71.6	87.1	68-118

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

<# = Not detected at the indicated detection limit.

Table 5

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 8-28-91 Reference: T108404
Sample Used: 2A Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Petroleum Hydrocarbons	<5	<5	N/A	20

N/A = Not applicable, RPD is not applicable when the sample concentration is less than 5 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON/LA MESA
PROJECT I.D. No. 023401525
CONSULTANT NAME G.T. Inc.
ADDRESS 9940 MESA RIM. ST. B
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER LHDEN
(PHONE) (714) 969-3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16CSW18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE) [signature]
COLLECTION DATE 08/20/91

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

4°C

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 / 8020 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
IVA	1A	1	/		/		8/20	10:45			✓									TI-08-379
IVB	2A	1	/		/			10:55			/									
IVC	3A	1	/		/			11:00			/									
IVD	4A	1	/		/			11:05			/									
IVA	5A	1	/		/			11:10			/									
IVB	6A	1	/		/			11:20			/									
IVC	7A	1	/		/			11:25			/									
IVD	8A	1	/		/			11:30			/									
H4	9A	1	/		/			1:15			/									
~~[illegible]~~	I2 10A	1	/		/			12:40			/									
~~[illegible]~~	J3 11A	1	/		/			1:15			/									
P37	12A	1	/		/			1:30			/									

Harry He
8/30/91

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	8/20 5 PM	FED EX #	0787378491 /	0787378476
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
		8-21 10:30	[signature]		8-21 10:30 am

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

SW FORM E-1-89

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHV/LA MESA
PROJECT I.D. No. 023401525
CONSULTANT NAME G.T. Inc.
ADDRESS 9940 MESA RIM ST. B
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) ROGER UNRUH
(PHONE) (714) 969 3651

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW19860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE)
COLLECTION DATE 09/20/91

CHAIN-OF-CUSTODY RECORD

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	ANALYSES TO BE PERFORMED: MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
IA	13A	1	✓		✓		9/20	9:25		✓	✓									TI-08-329
IB	14A	1	✓		✓			9:30		✓	✓									
IC	15A	1	✓		✓			10:22		✓	✓									
ID	16A	1	✓		✓			10:15		✓	✓									
IIA	17A	1	✓		✓			9:35		✓	✓									
IIB	18A	1	✓		✓			9:40		✓	✓									
IIC	19A	1	✓		✓			10:10		✓	✓									
IID	20A	1	✓		✓			9:45		✓	✓									
IIIA	21A	1	✓		✓			10:05		✓	✓									
IIIB	22A	1	✓		✓			10:00		✓	✓									
IIIC	23A	1	✓		✓			9:55		✓	✓									
IIID	24A	1	✓		✓		↓	9:50		✓	✓									

40C

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	G.T. Inc.	9/20 5PM	FED EX. #078737849 1		078737847 6
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

SW FORM E-1-89

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME: CHEVRON / LA MESA
PROJECT I.D. No.: 023401525
CONSULTANT NAME: G.T. Inc.
ADDRESS: 9940 MESA RIM ST. B
PROJECT CONTACT (NAME): BILL LINES
(PHONE): (619)453 8415
CHEVRON FACILITY No.: 9-3521
CHEVRON CONTACT (NAME): LOGAN UMOGN
(PHONE): (714)969-3651

LABORATORY NAME: GTEL Torrance
CONTRACT NUMBER: M16 CSW18960
COLLECTED BY (NAME): WILLIAM LINES
(SIGNATURE):
COLLECTION DATE: 08/20/91

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
WOA	25	1A	✓		✓		8/20	10:25		✓		✓								TI-08-379
WO B	26	1A	✓		✓		8/20	10:30		✓		✓								TI-08-380

ANALYSES TO BE PERFORMED

4°C

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	G.T. Inc.	8/20 5 PM	PED. EX # 078737491		078737947
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 8-21 8:30 AM

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

SW FORM E-1-89

SITE ASSESSMENT STOCKPILES I, II, III, IV, V TPH$_g$
SAMPLE STATISTICS

STOCKPILE STATISTICS WORKSHEET [1] FOR TPH AS GASOLINE
SIMPLE RANDOM SAMPLING AND SYSTEMATIC RANDOM SAMPLING

1	List sample results from laboratory Analytical Method EPA 8015 Units (i.e. Mg/Kg) ppm	1 See	[2] Table 7	3
		4	5	6
		7	8	9
2	Determine number of sample values n	n = 20		
3	Calculate sample mean $\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$ With n = number of sample measurements	$\bar{x}$ = 13. ✓		
4	Calculate sample variance $s^2 = \frac{\sum_{i=1}^{n} x_i^2 - \frac{(\sum_{i=1}^{n} x_i)^2}{n}}{n-1}$	s^2 = 3300		
5	Calculate sample standard deviation $s = \sqrt{s^2}$	s = 58		
6	Calculate degrees of freedom $df = n-1$	df = 19		
7	Calculate Standard Error of the Mean $s_{\bar{x}} = \frac{s}{\sqrt{n}}$	$s_{\bar{x}}$ = 13		
8	Obtain student's 't' value corresponding to the degree of freedom value determined in # 6 above. (See copy of Table 9-2 from SW846 3rd edition reproduced on the back of this page.	$t_{.20}$ = 1.328		
9	Calculate the Confidence Interval $CI = \bar{x} \pm t_{.20}\, s_{\bar{x}}$	CI = 13 ± 17		
10	Obtain regulatory threshold for the contaminant of concern RT	RT = 100		
11	Calculate $\Delta = RT - \bar{x}$	Δ = 87		
12	Estimate minimum number of samples $m' = \frac{t^2_{.20}\, s^2}{\Delta^2}$	m' = 0.57		

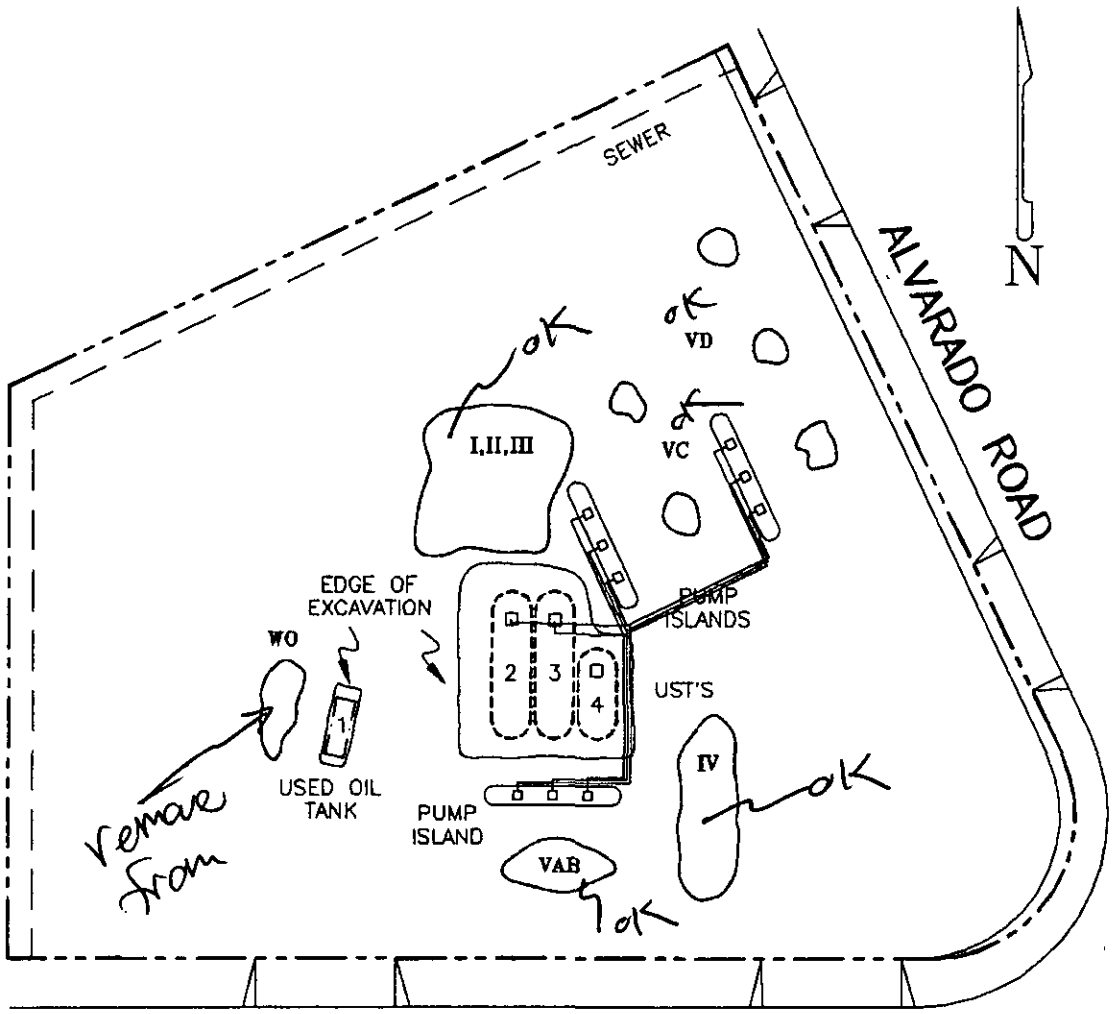
(1) Based on information found in the following document.
SW-846 THIRD EDITION, Test Methods for Evaluating Solid Waste, Vol II: Field Manual Physical/Chemical Methods Part III, Chapter 9, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C. 20460, November 1986.

SITE ASSESSMENT STOCKPILES I, II, III, IV, V BENZENE
SAMPLE STATISTICS

STOCKPILE STATISTICS WORKSHEET [1] FOR SIMPLE RANDOM SAMPLING AND SYSTEMATIC RANDOM SAMPLING

1	List sample results from laboratory Analytical Method EPA 8020 Units (i.e. Mg/Kg) ppb	1 See	Table 7	3
		4	5	6
		7	8	9
2	Determine number of sample values n	n = 20		
3	Calculate sample mean $\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$ With n = number of sample measurements	$\bar{x}$ = 4.6 ✓		
4	Calculate sample variance $s^2 = \frac{\sum_{i=1}^{n} x_i^2 - \frac{(\sum_{i=1}^{n} x_i)^2}{n}}{n-1}$	s^2 = 420		
5	Calculate sample standard deviation $s = \sqrt{s^2}$	s = 20		
6	Calculate degrees of freedom $df = n-1$	df = 19		
7	Calculate Standard Error of the Mean $s_{\bar{x}} = \frac{s}{\sqrt{n}}$	$s_{\bar{x}}$ = 4.5		
8	Obtain student's 't' value corresponding to the degree of freedom value determined in # 6 above. (See copy of Table 9-2 from SW846 3rd edition reproduced on the back of this page.	$t_{.20}$ = 1.328		
9	Calculate the Confidence Interval $CI = \bar{x} \pm t_{.20}\, s_{\bar{x}}$	CI = 4.6 ± 6		
10	Obtain regulatory threshold for the contaminant of concern RT	RT = 100		
11	Calculate $\blacktriangle = RT - \bar{x}$	$\blacktriangle$ = 95.4		
12	Estimate minimum number of samples $m' = \frac{t^2_{.20}\, s^2}{\blacktriangle^2}$	m' = 0.06		

(1) Based on information found in the following document.
SW-846 THIRD EDITION, Test Methods for Evaluating Solid Waste, Vol II: Field Manual Physical/Chemical Methods Part III, Chapter 9, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C. 20460, November 1986.



COMANCHE DRIVE

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-ASL

DRAFTED 11/08/91

SS No. 9-3521

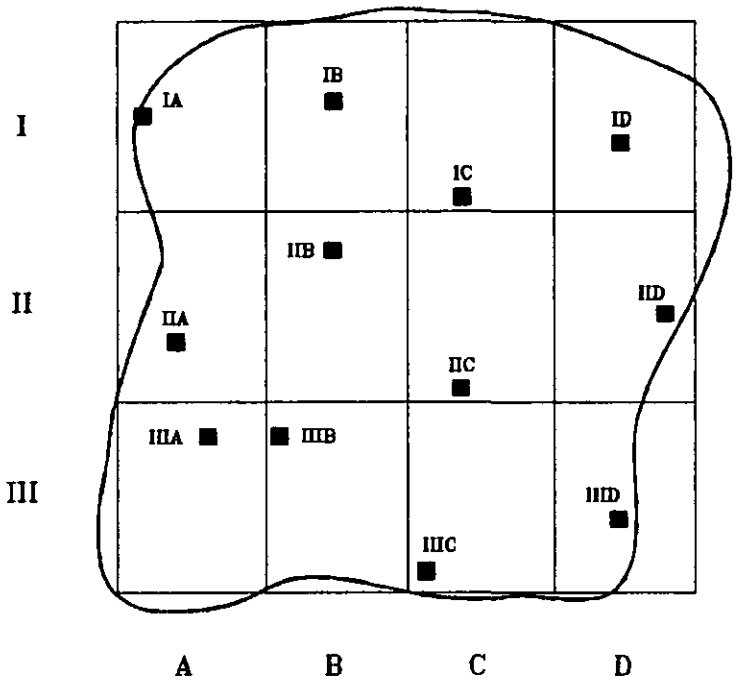
CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
023401525

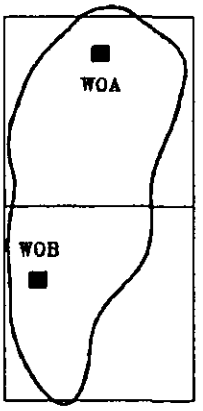
STOCKPILE LOCATION MAP

FIGURE 7

STOCKPILE I, II, III



STOCKPILE WO



LEGEND

■ SAMPLE LOCATION

IIB SAMPLE I.D.

0 10 20

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-SC1

DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA

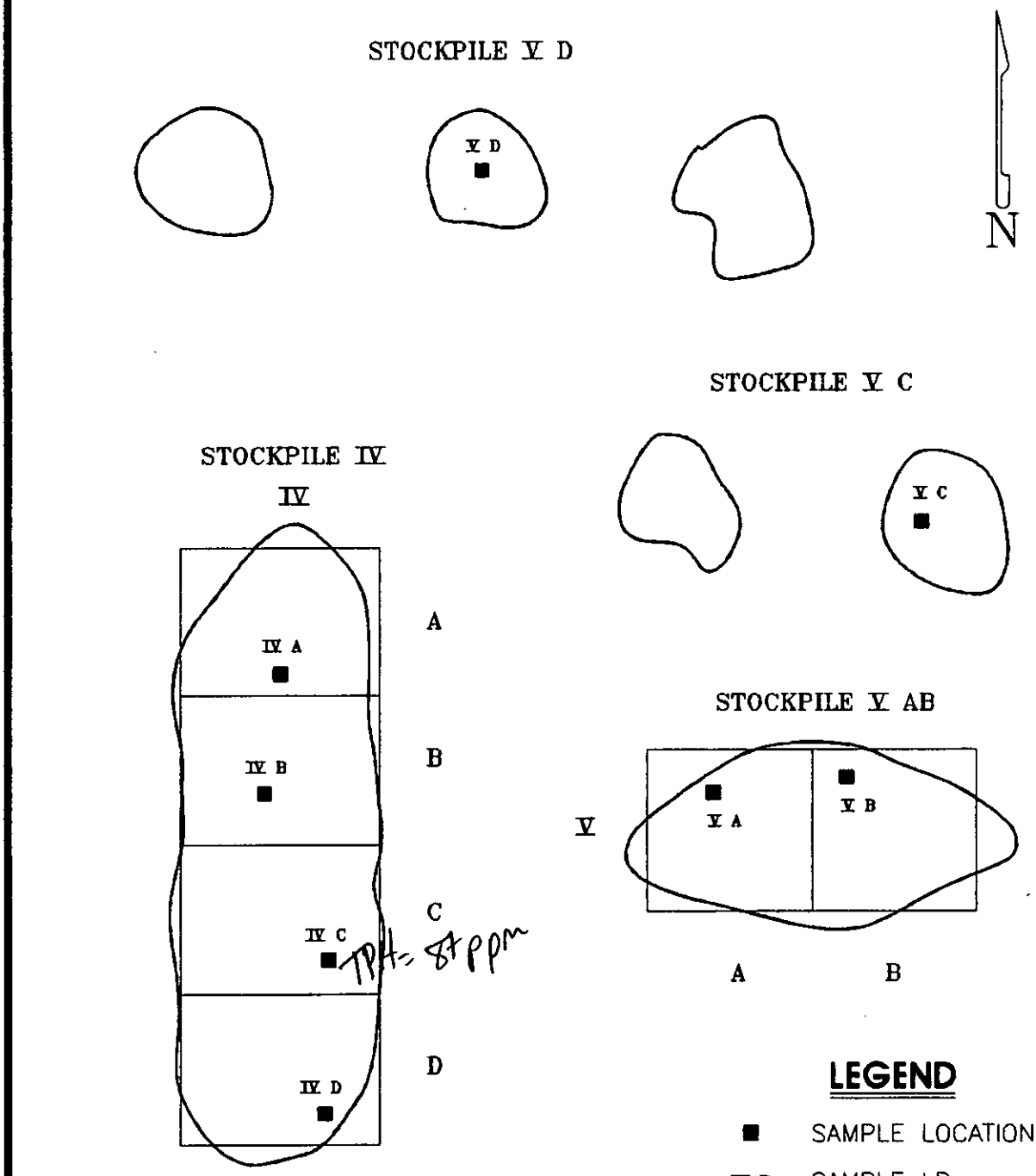
7651 ALVARADO ROAD

LA MESA, CA

023401525

STOCKPILES I, II, III, WO CHARACTERIZATION MAP

FIGURE 8



LEGEND

■ SAMPLE LOCATION

IV B SAMPLE I.D.

0 10 20

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525–SC2

DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO ROAD

LA MESA, CA

023401525

STOCKPILES IV, V CHARACTERIZATION MAP

FIGURE 9

Benzene concentrations were below method detection limits in all samples except sample "IVA". A statistical analysis was completed assuming that <0.005 ppm = 4 ppb. Results of this analysis indicate that benzene concentrations are below regulatory thresholds (0.1 ppm). TPH_g concentrations were below method detection limits in all samples except sample "VC". A statistical analysis was completed assuming that <10 ppm = 9 ppm. Results of this analysis indicate that TPH_g concentrations are below regulatory thresholds (<100 ppm). Concentrations of toluene, ethyl benzene, total xylene, and total BTEX were generally two orders of magnitude less than the regulatory thresholds for these compounds. Therefore, statistical analyses were not completed for these compounds.

CONCLUSIONS

- Site specific remediation goals are issued by the RWQCB on a site by site basis and have not yet been established for this site. The site is located in a valley which drains into a beneficial use hydrologic sub unit. Therefore, it is anticipated that the goal for soil remediation at this site will be 100 ppm TPH.

- The TPH concentrations of soils in the vicinity of the former used oil tank are greater than 100 ppm and will require further excavation and analysis.

- The soils in the vicinity of the former gasoline storage tanks and beneath the former product lines and pump island "P2" contain less than 100 ppm TPH and do not require further evaluation.

- The soils beneath pump islands "P1" and "P3" contain greater than 100 ppm TPH. The horizontal extent of gasoline hydrocarbons has been delineated in the area surrounding "P3". Further excavation and soil sampling will be required in these areas to evaluate the extent of hydrocarbons in soil.

- The stockpiles of soil resulting from the removal of the gasoline tanks, the excavation of the tank pit backfill and test pits has been characterized. Results of this characterization indicate the BTEX and TPH_g concentrations are less than 0.1 ppm and 10 ppm respectively.

- Soil stockpiled from the used oil tank excavation activities contain TPH concentrations greater than 100 ppm. Soils from future excavation activities will be added to the existing stockpile at which time a full stockpile characterization will be performed prior to disposal.

- Upon approval from the HMMD and RWQCB, the soils resulting from the gasoline tank pit excavation should be backfilled in the original excavation.

REFERENCES

California Division of Mines and Geology, Michael P. Kennedy and G.L. Peterson, 1975; Geology of the San Diego Metropolitan Area, California, Geology of the La Mesa Quadrangle; 1975.

Regional Water Quality Control Board, 1990; Comprehensive Water Quality Control Plan for the San Diego Region, December 17, 1990.

Standard Oil Company of California, 1972; Ground and Grade Plan, Dealer Operated SS# 3521, Frontage & Comanche, La Mesa, California; April 10, 1972.

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

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ENVIRONMENTAL
HEALTH SERVICES

December 8, 1992

HMMD# H12687
Chevron Project # 9-3521
7651 Alvarado
La Mesa, California

H12687-002

Mr. Michael Porter
County of San Diego
Environmental Health Services
Hazardous Materials Management Division
P.O. Box 85261
San Diego, CA 92138-5261

Dear Mr. Porter:

Chevron formally requests assistance in securing an access agreement at the above referenced site. Several attempts have been made on the part of Messrs. Torwick, Avilez, Foster, and Holmquist of Chevron to get an access agreement from the property owners at the site. Copies of correspondence between Chevron and representatives of the current property owner are enclosed for your review.

If you have any questions, please call me at (310) 694-7969.

Sincerely,

Jeffrey E. Cole
Environmental Engineer
Registered Geologist

Enclosure

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Recyclable

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

RECEIVED
OCT 26 2 38 PM '92
ENVIRONMENTAL
HEALTH SERVICES

October 21, 1992

HMMD# H12687-~~a2~~
Chevron ~~Project #~~ 9-3521
7651 Alvarado
La Mesa, California

Mr. Michael Porter
County of San Diego
Environmental Health Services
Hazardous Materials Management Division
P.O. Box 85261
San Diego, CA 92138-5261

S/C

Dear Mr. Porter:

It is unclear from Ruben Avilez' file whether this information was ever sent to you or the regional water quality control board. It was found out of place in Mr. Avilez' notes. My apologies for the confusion.

In my discussion with the consultant hired for this site, they were surprised to hear that you thought it might need further assessment. They informed me that the soil had been excavated from the site, effectively removing the source for contamination. Perhaps we can talk about this site at your earliest convenience. My number is (310) 694-7969.

Sincerely,

Jeffrey E. Cole
Environmental Engineer
Registered Geologist

Enclosure

cc: Walsh , RWQCB

Recycled
Recyclable

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

July 13, 1992

Mr. Ruben Avilez
Chevron U.S.A. Products Company
P.O. Box 2833
La Habra, California 90632-2833

RE: CONFIRMATION SOIL SAMPLING
ADDENDUM TO COMPREHENSIVE SITE ASSESSMENT
DATED JUNE 12, 1992

SITE: FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD, LA MESA, CALIFORNIA 92041
HMMD NO. H12687

Dear Ruben:

This letter summarizes the results of the confirmation soil sampling completed at the Chevron La Mesa site. As requested by Mike Porter of the Hazardous Materials Management Division (HMMD) additional soil samples were collected from the used oil tank excavation (Fig. 6) and the northern pump island excavation (Fig. 8). The samples were collected to obtain regulatory approval to backfill the excavations. This letter is an addendum to the Comprehensive Site Assessment report dated June 12, 1992.

On July 7, 1992, three soil samples were collected from the used oil tank pit and submitted to GTEL Environmental Laboratories for analysis of Total Recoverable Petroleum Hydrocarbons in soil by EPA Method 418.1 (TPH_{ir}). Soil sampling quality assurance and quality control methods are attached along with the laboratory reports. The results are summarized in the table below and on Figure 6.

Total Recoverable Petroleum Hydrocarbons
in Soil by EPA Method 418.1
Results in Parts Per Million (ppm)

Sample I.D.	Depth (feet)	TPH_{ir}
WA	12	5
WB	12	14
WC	12	13

TPH_{ir} = Total Recoverable Petroleum Hydrocarbons

023402346
2346L-7.14

On July 7, 1992, four soil samples were also collected from the northern pump island excavation. The samples were submitted for analysis of volatile organics in soil by EPA Methods Modified 8020 and Modified 8015. The results are summarized in the table below and on Figure 8.

Volatile Organics in Soil
by EPA Methods Modified 8020 and 8015
Results in Parts Per Million (ppm)

Sample I.D.	Depth (feet)	Benzene	Toluene	Ethyl-benzene	Total Xylene	Total BTEX	TPH_g
GA	7.5	<0.005	<0.005	<0.005	<0.015	–	<10
GB	8.5	<0.005	<0.005	<0.005	<0.015	–	<10
GC	8	<0.005	<0.005	<0.005	<0.015	–	<10
GD	8	<0.005	<0.005	<0.005	<0.015	–	<10

BTEX = Sum of Benzene, Toluene, Ethylbenzene, Total Xylene
TPH_g = Total Petroleum Hydrocarbons as Gasoline
<Number = Below Method Detection Limit
– = Below Method Detection Limits for BTEX compounds

As seen in the tables and figures, confirmation soil samples collected from the used oil tank excavation contained TPH_g concentrations less than 100 ppm. The confirmation samples collected from the northern pump island excavation contained BTEX and TPH_g concentrations below method detection limits.

If you have any questions please call me at (619) 453-8415.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

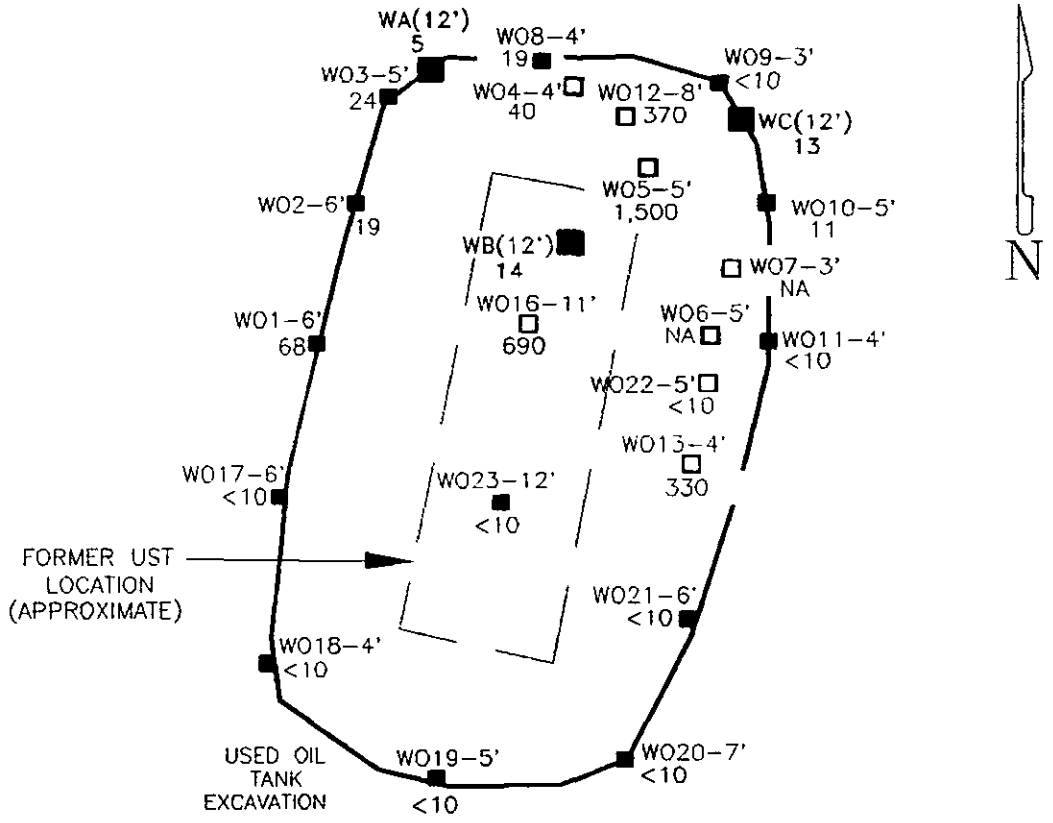
William M. Lines
Project Geologist

Kathleen S. Gerber
Chevron Project Manager
Hydrogeologist REA 1338

Barry S. Pulver
Senior Geologist
RG 4236 CEG 1364 REA 1053

cc: Mr. Michael Porter, Hazardous Materials Management Division
Mr. Jim Munch, Regional Water Quality Control Board

Attachments: Figure 6 - Used Oil Tank Excavation
Figure 8 - Northeastern Pump Island Excavation
Soil Sampling QA/QC Methods
Laboratory Reports



LEGEND

- ■ CONFIRMATION SAMPLE LOCATION (DEPTH IN FEET) COLLECTED 07/07/92
- ■ SAMPLE LOCATION
- □ SAMPLE LOCATION REPRESENTS EXCAVATED SOIL
- 24 TPH_{ir} AS USED OIL BY EPA METHOD 418.1
- 10 TPH_{ir} DETECTION LIMIT (PPM)
- NA NOT ANALYZED
- RED = TPH_{ir} >100 PPM

ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

NOTE:
1) SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.

0 5 10

APPROX SCALE IN FEET

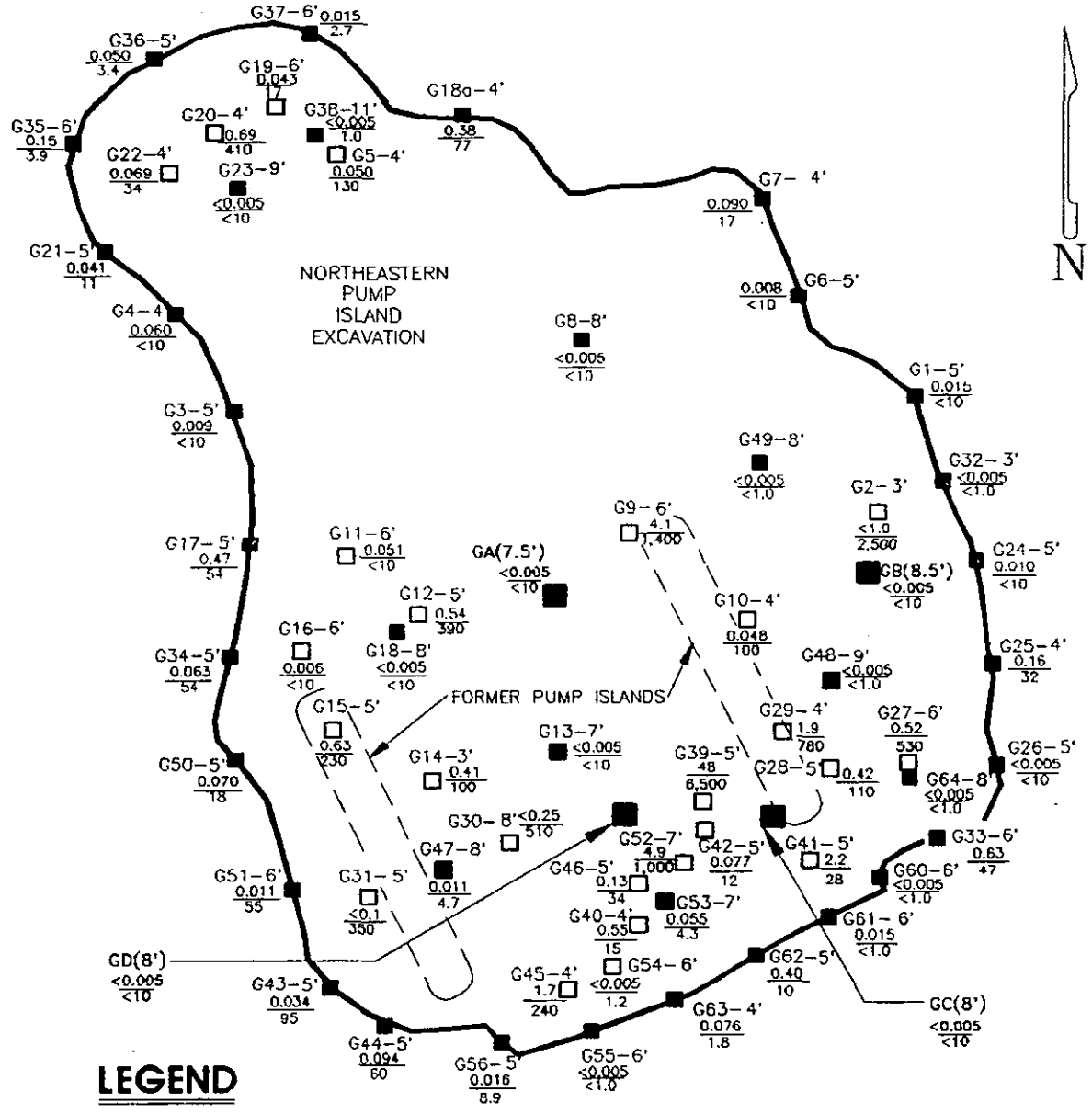
GROUNDWATER TECHNOLOGY, INC.

1525-U01

DRAFTED 07/13/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

USED OIL TANK EXCAVATION

FIGURE 6



LEGEND

- ■ CONFIRMATION SAMPLE LOCATION (DEPTH IN FEET) COLLECTED 07/07/92
- ■ SAMPLE LOCATION
- □ SAMPLE LOCATION—REPRESENTS EXCAVATED SOIL
- 0.094 / 34 — BENZENE / TPH_g AS GASOLINE$_g$
- 0.005 / 10 OR 1.0 * — DETECTION LIMIT BENZENE / DETECTION LIMIT TPH
- * MOBILE LABS REPORTED DIFFERENT DETECTION LIMITS FOR TPHg.
- RED = TPHg >100 ppm
- ALL ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

0 15 30

APPROX SCALE IN FEET

NOTE:
1) SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.

GROUNDWATER TECHNOLOGY, INC.

1525-NP1

DRAFTED 07/13/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

NORTHEASTERN PUMP ISLAND EXCAVATION

FIGURE 8

SOIL SAMPLING
QUALITY ASSURANCE AND QUALITY CONTROL

To prevent cross contamination and maintain the integrity of each soil sample, the following procedures were performed. Each soil sample was:

1.) Immediately placed in a pre-washed Mason jar.

2.) Tightly packed to reduce air space.

3.) Capped with aluminum foil.

4.) Sealed with plastic lids.

5.) Waterproofed with duct tape.

6.) Properly labeled with complete custody forms

7.) Placed in a cooler and chilled on ice.

8.) Delivered to a state certified laboratory.

All soil samples were frozen and stored at the laboratory for 30 days in anticipation of the need for subsequent analysis.

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

JUL 14 1992

Mr. William Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 7-8-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song /SMC

Minsoon Song
Laboratory Director

cc: Ruben Avilez

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

ANALYTICAL RESULTS

Volatile Organics in Soil
EPA Methods Modified 8020 and Modified 8015[a]

GTEL Sample Number		Lab Blank	07060-1	07060-2	07060-3
Client Identification		--	GA	GB	GC
Date Sampled		--	7-7-92	7-7-92	7-7-92
Date Extracted		--	7-8-92	7-8-92	7-8-92
Date Analyzed		7-9-92	7-9-92	7-9-92	7-9-92
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	--	--	--	--	--
Gasoline	10	<10	<10	<10	<10
Dilution Multiplier[b]		1	1	1	1
Percent solids, %		--	85.6	81.4	77.7
TFT surrogate[c], % recovery		84.8	104	99.1	98.1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Results are calculated on a wet weight basis.

b. Indicates the adjustments made for sample dilution.

c. TFT surrogate recovery acceptability limits of 72.8-123% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 1.07 mg/kg.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

ANALYTICAL RESULTS

Volatile Organics in Soil
EPA Methods Modified 8020 and Modified 8015[a]

GTEL Sample Number		07060-4			
Client Identification		GD			
Date Sampled		7-7-92			
Date Extracted		7-8-92			
Date Analyzed		7-9-92			
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	<0.005			
Toluene	0.005	<0.005			
Ethylbenzene	0.005	<0.005			
Xylene, total	0.015	<0.015			
BTEX, total	--	--			
Gasoline	10	<10			
Dilution Multiplier[b]		1			
Percent solids, %		83.0			
TFT surrogate[c], % recovery		98.1			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Results are calculated on a wet weight basis.

b. Indicates the adjustments made for sample dilution.

c. TFT surrogate recovery acceptability limits of 72.8-123% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 1.07 mg/kg.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

ANALYTICAL RESULTS

Total Recoverable Petroleum Hydrocarbons in Soil
EPA 418.1/Standard Methods 503E[a]

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Reporting Limit, mg/kg	Concentration, mg/kg	Percent Solids, %
GTEL No.	Client ID						
BLANK	--	--	--	--	5	<5	--
07060-5	WA	7-7-92	7-8-92	7-9-92	5	5	82.3
07060-6	WB	7-7-92	7-8-92	7-9-92	5	14	85.3
07060-7	WC	7-7-92	7-8-92	7-9-92	5	13	76.9

a. EPA 600/4-79-020, March 1983 revision. Extraction by EPA Method 3550. Results are calculated on a wet weight basis.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

CONFORMANCE/NONCONFORMANCE SUMMARY

Abbreviations:

X = Requirements Met
VOA = Volatiles
* = See Comments
SV = Semi Volatiles
NA = Not Applicable
ND = Not Detected
- = Test Not Required

#	Conformance Item	VOA GC	VOA GC/MS	SV GC	SV GC/MS	Metals	Wet Chem
1	Holding Time	X					X
2	Method Accuracy	X					X
3	Method Precision	X					X
4	Surrogate Recovery	X					NA
5	Blank	ND					X

Comments:

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

QC Check Sample Results

Matrix: Soil

Analyte	Source	Date of Analysis	Expected Value	Units	Recovery[a], %
GC:					
Benzene	Ultra Scientific	7-9-92	150	ug/L	93.3 (81.1-118)
Toluene	Ultra Scientific	7-9-92	150	ug/L	96.7 (79.9-123)
Ethylbenzene	Ultra Scientific	7-9-92	150	ug/L	100 (81.1-123)
Xylene, total	Ultra Scientific	7-9-92	450	ug/L	100 (82.9-123)
Inorganic Chemistry:					
TPH/IR	J.T. Baker	7-9-92	25.5	mg/L	101 (80-120)

a. Acceptability limits are in parentheses.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

Matrix Spike and Duplicate Spike Results

Matrix: Soil

Analyte	Sample ID	Date of Analysis	Sample Amount	Spike Amount	Units	Recovery. %	Duplicate Recovery[a] %	RPD[a], %
GC:								
Benzene	T207060-3 A	7-9-92	<0.005	1.71	mg/kg	53.6	43.0 (30.9-82.9)	21.9 (30)
Toluene	T207060-3 A	7-9-92	<0.005	1.71	mg/kg	57.5	46.7 (29.1-78.7)	20.7 (30)
Ethylbenzene	T207060-3 A	7-9-92	<0.005	1.71	mg/kg	60.2	51.1 (31.1-83.9)	16.4 (30)
Xylene, total	T207060-3 A	7-9-92	<0.005	5.14	mg/kg	61.5	52.5 (37.4-101)	15.8 (30)
Inorganic Chemistry:								
TPH/IR	T207039-30	7-9-92	<5	70.7	mg/kg	108	NA (77-124)	NA

a. Acceptability limits are in parentheses.
NA Not Applicable.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

Sample and Sample Duplicate Results

Matrix: Soil

Analyte	Sample ID	Date of Analysis	Sample Results	Sample Duplicate Results	Units	RPD[a], %
Inorganic Chemistry:						
TPH/IR	T207039-30	7-9-92	<5	<5	mg/kg	NA (20)

a. Acceptability limits are in parentheses.
NA = Not Applicable.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHEVRON/LA MESA
PROJECT I.D. No. 023402346
CONSULTANT NAME G.T. Inc. SAN DIEGO
ADDRESS 9940 MESA RIM RD. ST. B
PROJECT CONTACT (NAME) WILLIAM LINES
(PHONE) (619) 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) RUBEN AVILES
(PHONE) (510) 694-7304

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16CSW18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE)
COLLECTION DATE 07/07/92

CHAIN-OF-CUSTODY RECORD

T2-07-056

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 Byco TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
GA		1	✓		✓		07/07	8:30		✓	✓									48 HR T.A.T.
GB		1	✓		✓			8:36		✓	✓									
GC		1	✓		✓			8:42		✓	✓									
GD		1	✓		✓			8:45		✓	✓									
WA		1	✓		✓			9:01		✓		✓								
WB		1	✓		✓			9:05		✓		✓								
WC		1	✓		✓			9:10		✓		✓								

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GT Inc.	07/07 4PM	AIRBORNE #	2123036112	07/07/92 4PM
RELINQUISHED BY (Signature) AIRBORNE 2123036117	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 7-8-92 9:00a

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
(48 HRS) 10 DAYS

SW FORM E-1 R0

Chevron

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

September 4, 1992

Former Chevron Service Station 9-3521
7651 Alvarado Road
La Mesa, California

Mr. Steven E. Boehmer
McDougal, Love, Eckis and Grindle
Forty Sixty North Magnolia
Drawer 1466
El Cajon, CA 92022-1466

Dear Mr. Boehmer:

This letter is in response to your letter of August 4, 1992, to confirm our telephone conversation of September 2, 1992, and will only deal with the rental issue.

As I do not have all the facts about your concerns and claims regarding a damaged sidewalk, street resurfacing and proper grading of this property, I am referring that part of your letter to Rubin Avilez, Environmental Engineer, assigned to this project.

As Larry Foster advised you in his letter of July 8, 1992, and I confirmed in our telephone conversation, Chevron is firm in its position that we are not obligated to pay rent for the 30 days following the lease expiration date of May 31, 1992.

As I advised you upon receiving a copy of the executed Industrial Real Estate Lease between your client and your proposed tenant, I propose the following: If you and your client will agree that Chevron is not obligated to pay rent of $1,000.00 for the initial 30-day period, I will recommend to management that Chevron pay Mr. Habib $6,000.00 for the month of July 1992, the period of time that our activities precluded Mr. Habib's use of the property. Also, please refer to Jerry Holmquist's letter dated August 11, 1992, confirming that Chevron had finished its remediation efforts on July 29, 1992.

Please advise if the above is acceptable to you and your client.

As we discussed, we still need to have you execute the License Agreement so that we will have access to the monitoring wells.

If you have any questions regarding this matter, please do not hesitate to contact me at (310) 694-7840.

Very truly yours,

J. A. Torwick
Property Specialist, Environmental

JAT/1-11F/032

cc: R. O. Avilez

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

August 12, 1992

Mr. Michael Habbib
11462 Shadow Ranch Road
La Mesa, California 91941

Regarding: Former Chevron Station # 9-3521
7651 Alvarado Road
La Mesa, California
Soil Compaction Report

Dear Mr. Habbib:

I have enclosed a copy of the Soils Compaction Report generated by Soil Testers, for the above mentioned site.

If you have any questions or require any additional information, please call me at (310) 694-7304.

Sincerely yours,

Ruben Avilez
Environmental Engineer

cc. John Torwick

RECEIVED 8/7/92

92-593

SOIL TESTERS

11421 Woodside Avenue, Suite
Santee, California 920
(619) 562-05

P.O. Box 11
Lakeside, California 920

July 29, 1992

West-Tech Contracting
P. O. Box 177
El Cajon, California 92022

Subject: Project No. 62C1-92
File No. 8901
Report of Field Density Tests
Gas Tank Backfill
Comanche and Alvarado
City of La Mesa

Gentlemen:

This is to present the results of the compaction tests performed at the subject site. In accordance with your request, in-place field density tests were taken in conformance with A.S.T.M., D1556-82 in the backfill placed in the excavations where gas tanks had been removed.

The results of the field density tests are presented on Page T-1 under "Table of Test Results". The laboratory determinations of the maximum dry densities and optimum moisture contents of the fill soils are set forth on Page L-1 under "Laboratory Test Results". The approximate locations of the filled ground and the field density tests are presented on Plate No. 1 entitled "Location of Field Density Tests".

Please read this report carefully. If you have any questions, please do not hesitate to call our office. This opportunity to be of service is sincerely appreciated.

Page L-1, Page T-1 and Plate No. 1 are parts of this report.

Respectfully submitted,

Joseph C. Smyth, Consulting Engineer,
RCE 21650

REGISTERED PROFESSIONAL ENGINEER
JOSEPH C. SMYTH
No. 21,650
EXPIRES
9/30/93
CIVIL
STATE OF CALIFORNIA

JCS/lb
cc: (3) submitted

LABORATORY TEST RESULTS

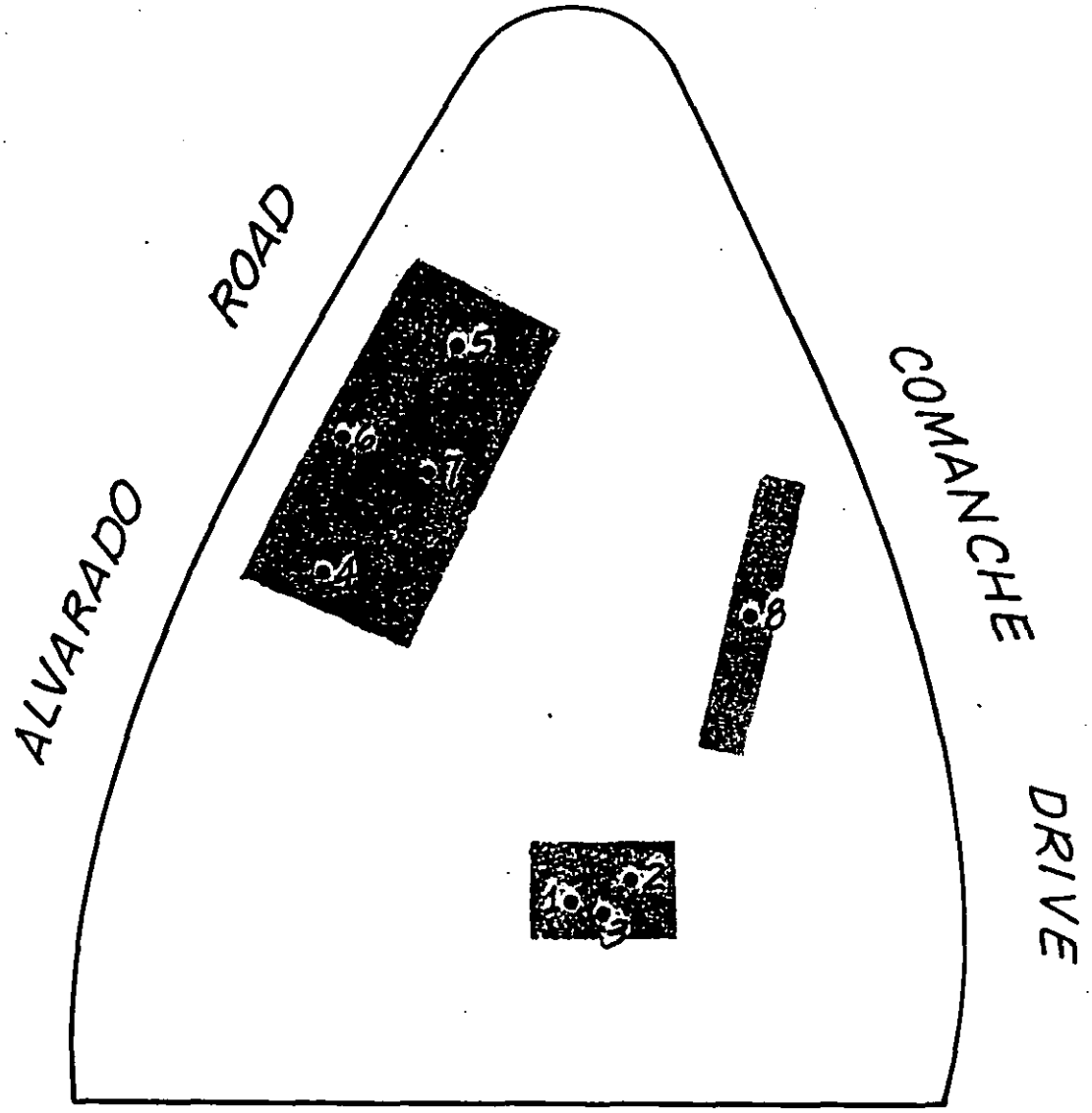
The maximum dry densities and optimum moisture contents of the fill materials as determined by the A.S.T.M., D1556-70, Method C, which uses 25 blows of a 10 pound hammer falling from a height of 18 inches on each of 5 layers in a 4 inch diameter 1/30 cubic foot compaction cylinder, are presented as follows:

Soil Type	Maximum Dry Density lb/cu.ft.	Optimum Moisture Content dry wt.
1 Light brown, fine to medium sandy, clay with gravel	128.0	8.0

TABLE OF TEST RESULTS
A.S.T.M., D1556-82

TEST NO.	SOIL TYPE	DEPTH OF FILL AT TEST IN FEET	FIELD MOISTURE %	DRY DENSITY P.C.F.	MAXIMUM DRY DENSITY P.C.F.	PERCENT COMPACTION
1	1	+2	8.1	119.8	128.0	92.6
2	1	+4	9.0	123.2	128.0	96.3
3	1	+6 f.g.	8.9	121.8	128.0	95.2
4	1	+2	9.6	124.4	128.0	97.2
5	1	+4	9.2	123.1	128.0	96.2
6	1	+6	8.7	123.1	128.0	96.2
7	1	+8 f.g.	10.3	122.8	128.0	95.9
8	1	+3	9.4	121.7	128.0	95.1

f.g. = finish grade



• FIELD DENSITY TEST

COMPACTED FILL

NOT TO SCALE

LOCATION OF FIELD DENSITY TESTS

JOB NO.	62C1-92
BY	DJ
DATE	7-30-92

SOIL TESTERS
11421 Woodside Ave., Suite C
Santee, California 92071
(619) 562-0500

Porter (619) 338-2539

Communication Planner

Name: Bill Lines → Jim Molsworth	Subject: Station 9-3521
Company: Groundwater Technology	File: 7651 Alvarado Rd
Position: Project Manager	Circulate: La Mesa Ca
Address: 9940 Mesa Rim Road Suite B	Delegate to: P.M./J. Holmquist/Abad
San Diego Ca 92121	Return to: GW Problem ???
Bus.: (619) 453-8415 Fax: (619) 453-2688 Res.:	Car:

Landowner → Subject Mike Habbib (619) 460-8980 Response

Type	Date / Note	Time / Seq.	Response	Follow-up Date
			Background: Abandoned Station Lease expires 5/31/92	
			CRJ has backfilled. J. Holmquist wants letter for	
			owner stating that we could backfill. GTI has	
			proposal for 3 G.W wells. Soil is stadium Conglomerate	
			which makes it hard to drill through. Many stones	
			& cobbles (1 ft or greater) 18 in diameter solid stem auger	
	3/16		Letter given to J. Holmquist regarding backfill	
	3/16		Bill will get back to me on depth of wells. Proposal	
			is for 15 ft I think they should go deeper	
	3/16		Bill spoke with Mike Porter (Agency) and Mike wanted	
			well depth at 15 Ft; Mike feels water will be found	
			between 0-5 ft. Mike wants Community Health & Safety Plan and Work	
			That will cost [illegible] Bill is going to take some cost of	
			initial proposal & add on cost of workplans	
	3/23		Mailed Release to Bill Change Order amount $12,077	
			New Contract Total 21,519. Drilling may be cheaper	
			due to New Rig; Also material cost will go down	
	3/27		Bill. Called Well were dug with smaller rig. Everything	
			went well	
	3/31		Talked with Bill MW1 & MW3 showed water MW2 did	
			not have water. Mobil Lab will be there on 4/7/92 & will do	
			G.W. test on 4/8; Excavation scheduled for 4/6/92	
	4/1		Spoke with John Jackson about tank-backfilling. I	
			asked John to send me compaction report & more detailed	
			price breakdown. Also, I asked John to speak with	
			Bill Lines about getting a price for the additional	
			excavation needed around pump islands & waste oil tank.	
	4/6		MW2 - will run deeper sample	
			MW3 - will run deeper sample	
			All wells have water. 500 cu. yards have been	
			excavated. Bill will check depth of stream to	
			north of site	
	4/8		G.W. Samples sent to GTE tonight. Mike Porter (Agency) requested	
			additional samples from waste oil tank. Mobil Lab	

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Type: O = Outgoing Call I = Incoming Call
M = Meeting C = Correspondence F = Facsimile

Communication Plann

Name: **Phone:**

Type /	Date / Note	Time / Seq.	Subject / Response	Follow-up Date
			had problem 2nd Main Lab came out. 2nd couldn't stay till tommorrow. They have gotten GeoTest to go out. #1 Lab had Compressor problem. SE corner of excavation could possibly have gone off-site. Waiting for lab results.	
	4/13		Spoke with Bill, all contaminated soil has been dug up. Waiting on results of G.W. sampling. May need additional well near used oil tank pit since water was evident in pit. Next week we will characterize and haul to appropiate land fill. Estimated that a total of ≈ 1460 cu. yards of soil were excavated. I will ask Julie to put bid together.	
	4/21	10:00	Called Bill Characterization scheduled for 4/22 Soil piles add up to approx 2000 cuyds we will be taking about 80-90 sample. Asked him to call GTEL for 5% discount on lab Bob Jackson did excavation for 5 days & will help with soil sampling. Asked Bill to call Mike Porter & let him know our plans * Bill mentioned that soil characterization was 800 cu yds more than expected and 1 day more of excavation	
		2:40	Called Bill Lines he spoke with Mike Porter and Mike mentioned that we put together soil composite diagram. Expanded Geology Survey. He mentioned that this might prevent future well installations basically, there are small water pockets. We will address this item on a smaller scale in the report. (Not detail that Mike wanted). Other item was to grid concentration of soil piles. This would take twice as many samples we are not going to do this either	
	4/27	1:30	Spoke with Bill results of fieldwork will be in by May 1. At that time we will know how much of the soil has to be treated. Bill will mail me site plan showing MW locations	
		1:45	Spoke with Mr. Habbib (landowner) new renters are going to asphalt lot and sell motorhomes. We need to work out some type of of access agreement with new renters (Jerry H.) Mr. Habib said he could work this into lease. Mike Habib (619) 460-6958 / 11462 Shadow Ranch Road La Mesa Ca. 91941	
	5/4		Mailed License Agreement to Mike Habib Received map from Bill Lines and some Lab results	

Type: O = Outgoing Call I = Incoming Call M = Meeting C = Correspondence F = Facsimile

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Communication Plan

Name: | Subject: 9-3521

Company: | File:

Position: | Circulate:

Address: | Delegate to:

Contact Data / Action Data

Return to:

Bus.: Fax: Res.: Car:

Type /	Date / Note	Time / Seq.	Subject	Response	Follow-up Date
	5/5	2:20	Called Bill Lines he has not received any new lab results. He is trying to contact Mr. Porter to discuss above-ground treatment options		
		4:00	Spoke with Mike Porter (619) 338-2539. He asked me to do further characterization. The benefits would be 1) If it is determined that water we are finding is confined in discreet Lateral & Vertical pockets in the stadium conglomerate the required clean-up levels would be less stringent 2) Possibly fewer monitoring wells would be required; 3) To other Chevron site in area could benefit as well. I agreed to do this additional work		
	5/11	2:30	called Mike Habib let him know how things were going and asked him about License Agreement he did not see a problem with it		
	5/15	9:40	Spoke with Bill Line. Mr. Porter is going to base requirements for backfilling on the physical pounds of benzene being put back into the soil. Porter will accept mean average for benzene concentration. Bill will submit to Mike Porter by 5/20 results of benzene average as well as other required figures. Porter will then make his decision. Bill will be out of town on 5/21 & 5/22		
		10:10	Spoke with Jerry H. let him know it is unlikely we will be off property by end of May he said wait till about ten days before end of month and call him back.		
	5/21	9:10	Mike Habib called wanted to know situation; I explained we would need an additional two wks preferably another Month. He wants some kind of letter from Chevron.		
	5/27		Report will be submitted to Porter by the end of next week. Porter wants to set up meeting between Waterboard, HMMD, and Chevron to discuss site. Wants this to occur after Agency have had time to review Reports		

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Type: O = Outgoing Call I = Incoming Call M = Meeting C = Correspondence F = Facsimile

Communication Planner

Name: Phone:

Type ✓	Date / Note	Time / Seq.	Subject	Response	Follow-up Date
	6/1		Call Mr Habbib and left message to call me.		
	6/5		called Bill		
	6/8		- Received letter from Mr Habbib passed it to Jerry Hengvist.		
			- Talked with Bill he will have report to me by Thursday		
	6/11		- Bill called Porter on Vacation Till June 15. He will mail me report for review		
	6/16		Bill hand delivered report to Mr. Porter		
	6/19		I mailed report to Mr. Habbib		
	6/24		called Porter left message to set up possible meeting.		
	6/24		Spoke with Mr. Habib gave him update, asked him again to sign License Agreement he said he would do so by the end of the month (Mr. Habib called me)		
	6/25		Spoke with Mr Porter he has read report, he is trying to set up a meeting with Water Board Mr. Minch is out of the office. Hopefully he will be back on Monday Mr Porter is trying to set up the meeting.		
	6/25		Called Mr. Habbib & informed him of conversation with Porter		
	7/02		Called Mr. Habbib let him know to call Larry on monday		
	7/09		called Mr Habib left message to call me		
	7/07		Bill Lines collecting samples today for Mike Porter		
	7/08		Called Mr Habbib and left message		
	7/13		Called Mr. Habbib let him know that additional samples taken were clean and that letter report		
	7/17		Called Mr Habbib Let him Know digging would be occuring on 7/23/96 & also that I needed License Agreement Signed. Mailed Addendum to him regarding site Assessment		
	7/21		Backfilling started 7/20 should be finished today. Jim Molesworth → will handle project for Bill. Need 3x3 hole around wellheads. 7/24		
	8/3		Issued rel # 7846120 to CKJ for covering stockpiles with plastic visqueen $ 481		
	8/6		Called Mr. Porter he is going to contact Mr Habib regarding License Agreement.		
	8/10		Called Mr Habib & explained that Chevron is done with the site. Mr. Habbib wants a letter stating this.		
			- Talked to Jerry H. he is writing this letter to Mr. Habbib		
			- Called Mr Habbib wants us to Fax letter to his attorney as well.		

Type: O = Outgoing Call I = Incoming Call M = Meeting C = Correspondence F = Facsimile

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Communication Planner

Name: Subject: 9-3521

Company: File:

Position: Circulate:

Address: Delegate to:

Return to:

Bus: Fax: Res: Car:

Contact Data / Action Data

Type	Date / Note	Time / Seq.	Subject	Response	Follow-up Date
	8/10		- Spoke with Von Sol-Rac	Backfilling completed 7/22/92	
			addition debris removed 7/29/92. Footing ?		
	8/11		Faxed letter Jerry H. wrote to Mr. Habib & his		
			Attorney		
	8/11		called Mr. Habbib let him know letter was faxed		
	8/12		Mailed Mr. Habbib copy of compaction report		
	8/21		Spoke with V. J. & she let me know that Paving Contractor		
			- Bob Contractor (619) 448-1400 wanted to have well casings		
			lowered. I informed her to send a tech out there		
			Monday to lower well casing		
	8/21	1:00	Called Mr. Habbib asked his permission to lower		
			well casings on Monday; he said it was fine. Also		
			that I should talk to his attorney about the		
			Lease Agreement, he isn't doing anything with it		
			anymore		
	8/27		- Additional wells were lowered as requested by new		
			lessor's contractor. (Received Call from Jim Molsworth)		

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Type: O = Outgoing Call I = Incoming Call
M = Meeting C = Correspondence F = Facsimile

mmunication Planne

Name: **Phone:**

Type /	Date / Note	Time / Seq.	Subject	Response	Follow-up Date

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

August 11, 1992

Chevron Service Station 9-3521
7651 Alvarado
La Mesa, California

Mr. Michael A. Habib
11462 Shadow Ranch Road
La Mesa, CA 91941

Dear Mr. Habib:

Pursuant to your request for "something in writing," this letter confirms that Rubin Avilez, Chevron Environmental Engineer, and Mr. Mike Porter of the San Diego County Hazardous Material Management Department, informed you that Chevron finished with its remediation work July 29, 1992, and there is no reason to delay your future use of the property.

Chevron will be required to monitor the groundwater for approximately one year. We still need you to execute the License Agreement so we will have access to the monitoring wells.

Very truly yours,

J. A. Holmquist
Property Development Specialist

JAH/1-11E/196

cc: S. E. Boehmer

Chevron

Chevron U.S.A. Inc.

FAX TRANSMISSION

TODAY'S DATE | TIME | NO. OF PAGES

TO: Mr. Steven Boehmer | LOCATION

FROM: Ruben Avilez | LOCATION

FAX NUMBER: (619) 440-4907 | TELEPHONE NUMBER: (619) 440-4444

FAX NUMBER: (310) 694-9168 | TELEPHONE NUMBER: (310) 694-7364

COMMENTS: Mr. Boehmer, I am [redacted] send you a copy of the letter sent to Mr. Habbib. Chevron is currently off the property and Mr. Habbib may continue with his plans. Thank you. Ruben Avilez

ALIGN WITH TOP OF DOCUMENT

FN-226 (5-90)

McDOUGAL, LOVE, ECKIS & GRINDLE
A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW
FOUR SIXTY NORTH MAGNOLIA
DRAWER 1466
EL CAJON, CALIFORNIA 92022-1466
(619) 440-4444
FAX (619) 440-4907

LYNN R. McDOUGAL
S. MICHAEL LOVE
STEPHEN M. ECKIS
DANIEL W. GRINDLE
TAMARA A. SMITH
STEVEN E. BOEHMER
SUSAN R. TODD

C. RUPERT LINLEY
(1905-1973)

AUG 6 AT 1992 LA TORWICK

August 4, 1992

John Torwick
Chevron U.S.A. Products Company
P. O. Box 2833
La Habra, California 90632-2833

Re: **Chevron Service Station 9-3521**
7651 Alvarado Road, La Mesa, CA

Dear Mr. Torwick:

The law firm of McDougal, Love, Eckis & Grindle has been retained by Michael A. Habib and Sleiwa Y. Seman to represent their interests in connection with the above-referenced real property. It is my understanding that on or about July 30, 1971, Virgil F. Gafford, Wayne A. Gafford and Gary A. Gafford, as lessor, and Standard Oil Company of California, as lessee, entered into a lease agreement governing the installation, operation, and removal of a service station on the above-referenced property. It is also my understanding that Mr. Habib and Mr. Seman are successors in interest of the aforementioned lessors and have been assigned all the rights and obligations under the lease agreement.

At this time, I would like to discuss each issue that affects both Chevron and my clients, our position on each issue, and supporting documentation. It is our contention that Chevron was deemed a month-to-month tenant for the period of June 1, 1992 to June 30, 1992 pursuant to paragraph 7 of the lease agreement. Paragraph 7 provides as follows:

> If Lessee shall hold over after the expiration of the term of this lease, or any extension thereof, such tenancies shall be from month-to-month only and upon all terms, covenants and conditions hereof.

It is clear that Chevron remained in possession of the above-referenced real property after the expiration of the lease term. It, therefore, was considered a month-to-month tenant, and is obligated to pay the sum of $1,000 as a result thereof, regardless of the language in paragraph 5 of the lease agreement.

The next issue is whether Chevron is considered a holdover tenant from July 1, 1992 to the time it returns possession of the above-referenced real property to my clients, and it is obligated

to pay the fair market rental value as a result. Under the circumstances, it is our position that the answer to this question is yes. In support of this contention, I would like to remind you of the following facts. On June 1, 1992, Chevron was provided with a 30-day notice to terminate. Pursuant to this notice and California Code of Civil Procedure, Section 1946, Chevron became a holdover tenant. Accordingly, Chevron is chargeable for the reasonable value of the use of the subject property for the holdover period, which is $6,000 per month. (See Colyear v. Tobriner (1936) 7 Cal.2d 735).

Additional concerns include the replacement of damaged sidewalk and the resurfacing of portions of the street adjacent to the subject property, which is necessitated by the use of heavy equipment to address the contaminate problem.

Another issue involves the proper grading of the subject property by Chevron. It is our contention that the site has not been properly graded in accordance with paragraph 5 of the lease agreement. Finally, I ask that Chevron provide us with any "as-graded soils reports," hydrology studies, and soils compaction reports pertaining to the subject property and/or documentation indicating that the soil contaminate clean-up and remediation has been completed. Upon receipt of these materials, we will execute and return the licensing agreement previously presented by Chevron to Mr. Habib.

I have enclosed the following documents and photographs for your review:

1. Various photographs depicting damage caused by Chevron to the subject property.

2. Lease agreement between my clients and Anthony J. Morero, Charles Fagan and Faye Pyle.

If you have any questions, or require additional information, please do not hesitate to contact me. I look forward to your response to my letter.

Sincerely,

Steven E. Boehmer

SEB/t

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

July 17, 1992

Mr. Rob Tachousky
SOLRAC Enterprises, Inc
833 Meridian
Irwindale, California 91010

Regarding: Former Chevron Station #9-3521
7651 Alvarado Road
La Mesa, California

Dear Mr. Tachousky:

It is my understanding that the City of La Mesa is requiring written verification from the San Diego County Hazardous Materials Management Division (HMMD) before a grading permit will be issued to backfill the above mentioned site. Mr. Michael Porter of the HMMD gave verbal permission to backfill the site on July 14, 1992. It is not the HMMD's policy to give written approval to backfill soils. I have discussed this situation with Mr. Porter. If the City of La Mesa requires any further approval, they may contact Mr. Porter directly at (619) 338-2539.

If you have any questions or require any additional information, please call me at (310) 694-7304.

Sincerely yours,

Ruben Avilez
Environmental Engineer

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

July 13, 1992

Mr. Ruben Avilez
Chevron U.S.A. Products Company
P.O. Box 2833
La Habra, California 90632-2833

RE: CONFIRMATION SOIL SAMPLING
ADDENDUM TO COMPREHENSIVE SITE ASSESSMENT
DATED JUNE 12, 1992

SITE: FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD, LA MESA, CALIFORNIA 92041
HMMD NO. H12687

Dear Ruben:

This letter summarizes the results of the confirmation soil sampling completed at the Chevron La Mesa site. As requested by Mike Porter of the Hazardous Materials Management Division (HMMD) additional soil samples were collected from the used oil tank excavation (Fig. 6) and the northern pump island excavation (Fig. 8). The samples were collected to obtain regulatory approval to backfill the excavations. This letter is an addendum to the Comprehensive Site Assessment report dated June 12, 1992.

On July 7, 1992, three soil samples were collected from the used oil tank pit and submitted to GTEL Environmental Laboratories for analysis of Total Recoverable Petroleum Hydrocarbons in soil by EPA Method 418.1 (TPH_{ir}). Soil sampling quality assurance and quality control methods are attached along with the laboratory reports. The results are summarized in the table below and on Figure 6.

Total Recoverable Petroleum Hydrocarbons
in Soil by EPA Method 418.1
Results in Parts Per Million (ppm)

Sample I.D.	Depth (feet)	TPH_{ir}
WA	12	5
WB	12	14
WC	12	13

TPH_{ir} = Total Recoverable Petroleum Hydrocarbons

023402348
2346L-7.14

On July 7, 1992, four soil samples were also collected from the northern pump island excavation. The samples were submitted for analysis of volatile organics in soil by EPA Methods Modified 8020 and Modified 8015. The results are summarized in the table below and on Figure 8.

Volatile Organics in Soil
by EPA Methods Modified 8020 and 8015
Results in Parts Per Million (ppm)

Sample I.D.	Depth (feet)	Benzene	Toluene	Ethyl-benzene	Total Xylene	Total BTEX	TPH_g
GA	7.5	<0.005	<0.005	<0.005	<0.015	--	<10
GB	8.5	<0.005	<0.005	<0.005	<0.015	--	<10
GC	8	<0.005	<0.005	<0.005	<0.015	--	<10
GD	8	<0.005	<0.005	<0.005	<0.015	--	<10

BTEX = Sum of Benzene, Toluene, Ethylbenzene, Total Xylene
TPH_g = Total Petroleum Hydrocarbons as Gasoline
<Number = Below Method Detection Limit
-- = Below Method Detection Limits for BTEX compounds

As seen in the tables and figures, confirmation soil samples collected from the used oil tank excavation contained TPH_g concentrations less than 100 ppm. The confirmation samples collected from the northern pump island excavation contained BTEX and TPH_g concentrations below method detection limits.

If you have any questions please call me at (619) 453-8415.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

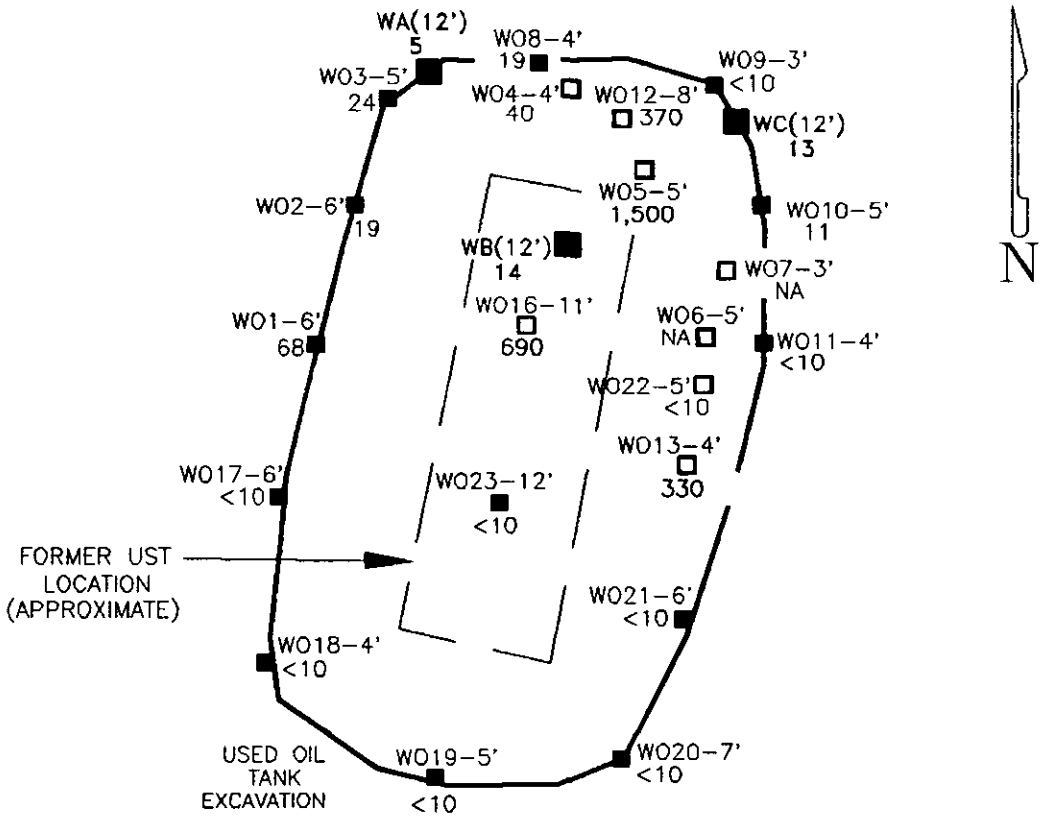
William M. Lines
Project Geologist

Kathleen S. Gerber
Chevron Project Manager
Hydrogeologist REA 1338

Barry S. Pulver
Senior Geologist
RG 4236 CEG 1364 REA 1053

cc: Mr. Michael Porter, Hazardous Materials Management Division
Mr. Jim Munch, Regional Water Quality Control Board

Attachments: Figure 6 - Used Oil Tank Excavation
Figure 8 - Northeastern Pump Island Excavation
Soil Sampling QA/QC Methods
Laboratory Reports



LEGEND

■	CONFIRMATION SAMPLE LOCATION (DEPTH IN FEET) COLLECTED 07/07/92
■	SAMPLE LOCATION
□	SAMPLE LOCATION REPRESENTS EXCAVATED SOIL
24	TPH_{ir} AS USED OIL BY EPA METHOD 418.1
10	TPH_{ir} DETECTION LIMIT (PPM)
NA	NOT ANALYZED
RED =	TPH_{ir} >100 PPM
	ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

NOTE:
1) SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.

0 5 10

APPROX SCALE IN FEET

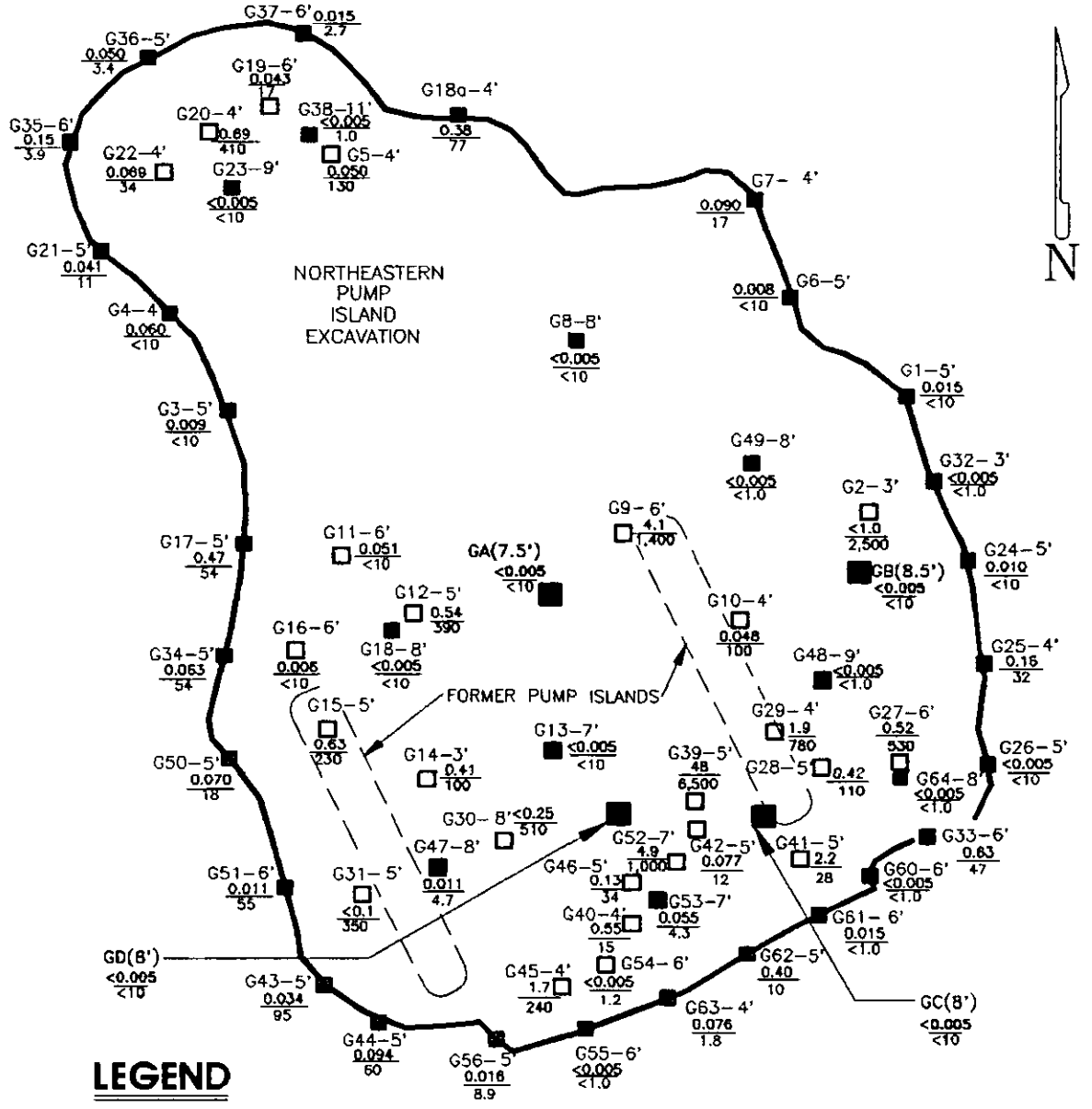
GROUNDWATER TECHNOLOGY, INC.

1525-U01

DRAFTED 07/13/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

USED OIL TANK EXCAVATION

FIGURE 6



LEGEND

- ■ CONFIRMATION SAMPLE LOCATION (DEPTH IN FEET) COLLECTED 07/07/92
- ■ SAMPLE LOCATION
- □ SAMPLE LOCATION—REPRESENTS EXCAVATED SOIL
- 0.094 / 34 — BENZENE / TPHg AS GASOLINEg
- 0.005 / 10 OR 1.0 * — DETECTION LIMIT BENZENE / DETECTION LIMIT TPH
- * MOBILE LABS REPORTED DIFFERENT DETECTION LIMITS FOR TPHg.

RED = TPHg >100 ppm

ALL ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

0 15 30

APPROX SCALE IN FEET

NOTE:
1) SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.

DRAFTED 07/13/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

GROUNDWATER TECHNOLOGY, INC.

1525-NP1

NORTHEASTERN PUMP ISLAND EXCAVATION

FIGURE 8

SOIL SAMPLING
QUALITY ASSURANCE AND QUALITY CONTROL

To prevent cross contamination and maintain the integrity of each soil sample, the following procedures were performed. Each soil sample was:

1.) Immediately placed in a pre-washed Mason jar.

2.) Tightly packed to reduce air space.

3.) Capped with aluminum foil.

4.) Sealed with plastic lids.

5.) Waterproofed with duct tape.

6.) Properly labeled with complete custody forms

7.) Placed in a cooler and chilled on ice.

8.) Delivered to a state certified laboratory.

All soil samples were frozen and stored at the laboratory for 30 days in anticipation of the need for subsequent analysis.

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

JUL 14 1992

Mr. William Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 7-8-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song /SMC

Minsoon Song
Laboratory Director

cc: Ruben Avilez

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

ANALYTICAL RESULTS

Volatile Organics in Soil
EPA Methods Modified 8020 and Modified 8015[a]

GTEL Sample Number		Lab Blank	07060-1	07060-2	07060-3
Client Identification		--	GA	GB	GC
Date Sampled		--	7-7-92	7-7-92	7-7-92
Date Extracted		--	7-8-92	7-8-92	7-8-92
Date Analyzed		7-9-92	7-9-92	7-9-92	7-9-92
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene, total	0.015	<0.015	<0.015	<0.015	<0.015
BTEX, total	--	--	--	--	--
Gasoline	10	<10	<10	<10	<10
Dilution Multiplier[b]		1	1	1	1
Percent solids, %		--	85.6	81.4	77.7
TFT surrogate[c], % recovery		84.8	104	99.1	98.1

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Results are calculated on a wet weight basis.

b. Indicates the adjustments made for sample dilution.

c. TFT surrogate recovery acceptability limits of 72.8-123% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 1.07 mg/kg.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

ANALYTICAL RESULTS

Volatile Organics in Soil
EPA Methods Modified 8020 and Modified 8015[a]

GTEL Sample Number		07060-4			
Client Identification		GD			
Date Sampled		7-7-92			
Date Extracted		7-8-92			
Date Analyzed		7-9-92			
Analyte	Reporting Limit, mg/kg	Concentration, mg/kg			
Benzene	0.005	<0.005			
Toluene	0.005	<0.005			
Ethylbenzene	0.005	<0.005			
Xylene, total	0.015	<0.015			
BTEX, total	--	--			
Gasoline	10	<10			
Dilution Multiplier[b]		1			
Percent solids, %		83.0			
TFT surrogate[c], % recovery		98.1			

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Board LUFT Manual procedures. Results are calculated on a wet weight basis.

b. Indicates the adjustments made for sample dilution.

c. TFT surrogate recovery acceptability limits of 72.8-123% are derived from the 99% confidence interval of all samples during the previous quarter. Expected surrogate value is 1.07 mg/kg.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

ANALYTICAL RESULTS

Total Recoverable Petroleum Hydrocarbons in Soil
EPA 418.1/Standard Methods 503E[a]

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Reporting Limit, mg/kg	Concentration, mg/kg	Percent Solids, %
GTEL No.	Client ID						
BLANK	--	--	--	--	5	<5	--
07060-5	WA	7-7-92	7-8-92	7-9-92	5	5	82.3
07060-6	WB	7-7-92	7-8-92	7-9-92	5	14	85.3
07060-7	WC	7-7-92	7-8-92	7-9-92	5	13	76.9

a. EPA 600/4-79-020, March 1983 revision. Extraction by EPA Method 3550. Results are calculated on a wet weight basis.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

CONFORMANCE/NONCONFORMANCE SUMMARY

Abbreviations:

X = Requirements Met
VOA = Volatiles
* = See Comments
SV = Semi Volatiles
NA = Not Applicable
ND = Not Detected
- = Test Not Required

#	Conformance Item	VOA GC	VOA GC/MS	SV GC	SV GC/MS	Metals	Wet Chem
1	Holding Time	X					X
2	Method Accuracy	X					X
3	Method Precision	X					X
4	Surrogate Recovery	X					NA
5	Blank	ND					X

Comments:

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

QC Check Sample Results

Matrix: Soil

Analyte	Source	Date of Analysis	Expected Value	Units	Recovery[a], %
GC:					
Benzene	Ultra Scientific	7-9-92	150	ug/L	93.3 (81.1-118)
Toluene	Ultra Scientific	7-9-92	150	ug/L	96.7 (79.9-123)
Ethylbenzene	Ultra Scientific	7-9-92	150	ug/L	100 (81.1-123)
Xylene, total	Ultra Scientific	7-9-92	450	ug/L	100 (82.9-123)
Inorganic Chemistry:					
TPH/IR	J.T. Baker	7-9-92	25.5	mg/L	101 (80-120)

a. Acceptability limits are in parentheses.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

Matrix Spike and Duplicate Spike Results

Matrix: Soil

Analyte	Sample ID	Date of Analysis	Sample Amount	Spike Amount	Units	Recovery. %	Duplicate Recovery[a] %	RPD[a], %
GC:								
Benzene	T207060-3 A	7-9-92	<0.005	1.71	mg/kg	53.6	43.0 (30.9-82.9)	21.9 (30)
Toluene	T207060-3 A	7-9-92	<0.005	1.71	mg/kg	57.5	46.7 (29.1-78.7)	20.7 (30)
Ethylbenzene	T207060-3 A	7-9-92	<0.005	1.71	mg/kg	60.2	51.1 (31.1-83.9)	16.4 (30)
Xylene, total	T207060-3 A	7-9-92	<0.005	5.14	mg/kg	61.5	52.5 (37.4-101)	15.8 (30)
Inorganic Chemistry:								
TPH/IR	T207039-30	7-9-92	<5	70.7	mg/kg	108	NA (77-124)	NA

a. Acceptability limits are in parentheses.
NA Not Applicable.

GTEL Client Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T207060
Report Issue Date: July 10, 1992

Sample and Sample Duplicate Results

Matrix: Soil

Analyte	Sample ID	Date of Analysis	Sample Results	Sample Duplicate Results	Units	RPD[a], %
Inorganic Chemistry:						
TPH/IR	T207039-30	7-9-92	<5	<5	mg/kg	NA (20)

a. Acceptability limits are in parentheses.
NA = Not Applicable.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHEVRON/LA MESA
PROJECT I.D. No. 0234022346
CONSULTANT NAME G.T. Inc. SAN DIEGO
ADDRESS 9940 MESA RIM RD. ST. B
PROJECT CONTACT (NAME) WILLIAM LINES
(PHONE) (619) 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) RUBEN AVILES
(PHONE) (510) 694-7304

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16CSW18860
COLLECTED BY (NAME) WILLIAM LINES
(SIGNATURE)
COLLECTION DATE 07/07/92

CHAIN-OF-CUSTODY RECORD

T2-07-060

48 HR T.A.T.

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB. (Gas/Diesel)	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
GA		1	✓		✓		07/07	8:30		✓	✓									
GB		1	✓		✓			8:36		✓	✓									
GC		1	✓		✓			8:42		✓	✓									
GD		1	✓		✓			8:45		✓	✓									
WA		1	✓		✓			9:01		✓		✓								
WB		1	✓		✓			9:05		✓		✓								
WC		1	✓		✓			9:10		✓		✓								

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	GT Inc.	07/07 4PM	AIRBORNE #	2123036112	07/07 4PM
RELINQUISHED BY (Signature) AIRBORNE 2123036112	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 7-8-92 9:00a

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

SW FORM F 1 89

Chevron

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

July 8, 1992

Chevron Service Station 9-3521
7651 Alvarado Road
La Mesa, California

Mr. Michael A. Habib
Mr. Sleiwa Y. Seman
11462 Shadow Ranch Road
La Mesa, CA 91941

Dear Messrs. Habib and Seman:

After our recent telephone conversation and review of the lease file, I have reached the following conclusions.

We are firm in our position that we are not obligated to pay rent for the 30 days following the lease expiration date of May 31, 1992. The lease is specific about the periods that the rent is due and payable. Chevron is not a tenant on the premises under the holdover provisions (Section 7) of the lease.

Section 4 of the lease provides in part that: "Lessee shall have the right during its occupancy of the leased premises to use such premises for the primary purpose of conducting thereon, a service station business, and for any other lawful business that will not materially interfere with said primary use."

After May 31, 1992, Chevron did not conduct a service station business (or any other business) on the premises. It simply conducted activities to comply with its obligations under Section 5 to remove improvements, etc. Section 5, as a specific section, would in any event control over the General Section 7 holdover provision. Section 5 does not call for any rent to be paid during the 30-day removal period.

We do conclude that you are entitled to compensation for the period of time after June 30, 1992, while our activities preclude use of the property.

As an access fee for the period of July 1, 1992, through July 31, 1992, I recommend an amount equal to that last paid under the lease. This amount was $1,000.00 for the month of May 1992.

If you have any questions, please contact Mr. John Torwick at (310) 694-7840. Mr. Torwick will return from vacation on July 14, 1992.

Very truly yours,

L. D. Foster
Property Development Specialist

LDF/1-11E/134
bcc: J. A. Holmquist
J. A. Torwick
R. O. Avilez

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED _____ DATE _____

REPORT DATE: 07/06/92 CASE #: T01722 H12687-002

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: Mark Kanitra
PHONE: (310) 694-7453
SIGNATURE: Mark Kanitra
REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____
COMPANY OR AGENCY NAME: Chevron USA Products Co
ADDRESS: P.O. Box 2833 STREET La Habra CITY Ca STATE 90633 ZIP

RESPONSIBLE PARTY
NAME: Chevron USA Products Co ☐ UNKNOWN
CONTACT PERSON: Mark Kanitra
PHONE: (310) 694-7453
ADDRESS: P.O. Box 2833 STREET La Habra CITY Ca STATE 90633 ZIP

SITE LOCATION
FACILITY NAME (IF APPLICABLE): Chevron Station 9-3591
OPERATOR: Dan Frost (Former)
PHONE: ( ) N/A
ADDRESS: 7651 Alvarado ~~St~~ Rd. STREET La Mesa CITY San Diego COUNTY 92041 ZIP
CROSS STREET: Comanche Dr.

IMPLEMENTING AGENCIES
LOCAL AGENCY: San Diego Dept of Health Services
AGENCY NAME: _____
CONTACT PERSON: Mike Porter
PHONE: (619) 338-2222
REGIONAL BOARD: San Diego Region
CONTACT PERSON: Jim Munch
PHONE: (619) 467-2968

SUBSTANCES INVOLVED
(1) NAME: Gasoline, Regular, Supreme, Unleaded
QUANTITY LOST (GALLONS): _____ ☒ UNKNOWN
(2) Used Oil ☒ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 06/13/91
HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER _____
DATE DISCHARGE BEGAN: ☒ UNKNOWN
HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE 06/13/91
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER _____

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☐ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☒ OTHER
CAUSE(S): ☒ OVERFILL ☐ RUPTURE/FAILURE ☒ SPILL Maintenance ☐ CORROSION ☐ UNKNOWN ☒ OTHER Poor Procedure

CASE TYPE
CHECK ONE ONLY
☐ UNDETERMINED ☒ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☒ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☒ OTHER (OT) To be determined

COMMENTS
Contamination discovered during Abandonment - No Holes in tanks or lines Suspect spillage from deliveries and dispenser maintenance (chiltrs).

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

- No Action Taken - No action has been taken by responsible party beyond initial report of leak.
- Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
- Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
- Preliminary Site Assessment Underway - implementation of workplan.
- Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
- Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
- Cleanup Underway - implementation of remediation plan.
- Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
- Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

- Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
- Containment Barrier - install vertical dike to block horizontal movement of contaminant.
- Excavate and Dispose - remove contaminated soil and dispose in approved site.
- Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
- Remove Free Product - remove floating product from water table.
- Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
- Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
- Replace Supply - provide alternative water supply to affected parties.
- Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
- Vacuum Extract - use pumps or blowers to draw air through soil.
- Vent Soil - bore holes in soil to allow volatilization of contaminants.
- No Action Required - incident is minor, requiring no remedial action,

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

JUN 22 4 11 PM '92

HEALTH ... DEB

June 18, 1992

H 12687-002
T01722

Mr. Michael Habbib
11462 Shadow Ranch Road
La Mesa, California 91941

Regarding: Former Chevron Service Station #9-3521
7651 Alvarado Road
La Mesa, California

Dear Mr. Habbib:

I have enclosed for your review, the site assessment report and cover letter as submitted to the San Diego Hazardous Materials Management Division (HMMD) and the San Diego Regional Water Quality Control Board (RWQCB). The assessment report was hand delivered to each agency on June 16, 1992.

My next action is to set up a meeting with both the HMMD and the RWQCB to discuss future activities for this site.

Mr. Habbib, to avoid any possible delays, it is imperative that the license agreement mailed to you on May 4, 1992, be signed and returned to Chevron. Per our telephone conversation on May 11, 1992, you mentioned that you did not see any problems with the license agreement. If you have any questions or concerns about the license agreement, please call me. Once again, to ensure that all work proceeds in a timely manner it is important that this agreement be signed and returned to Chevron as soon as possible.

If you have any questions or comments, please contact me at (310) 694-7304.

Sincerely yours,

Ruben Avilez

Ruben Avilez
Environmental Engineer

cc: Mr. Jerry Holmquist, Chevron Property Development
Mr. Michael Porter, San Diego HMMD

Recycled
Recyclable

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

COMPREHENSIVE SITE ASSESSMENT
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA 92041

JUNE 12, 1992

PREPARED FOR: MR. RUBEN AVILEZ
CHEVRON U.S.A. PRODUCTS COMPANY
P.O. BOX 2833
LA HABRA, CALIFORNIA 90632-2833

PREPARED BY:

WILLIAM M. LINES
PROJECT GEOLOGIST

REVIEWED BY:

KATHLEEN S. GERBER
CHEVRON PROJECT MANAGER
HYDROGEOLOGIST REA 1338

BARRY S. PULVER
SENIOR GEOLOGIST
RG 4236 CEG 1364 REA 1053

023402346
2346R-5.22

H 12687-002

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INTRODUCTION

Site Identification

Site Address:	Former Chevron Service Station No. 9-3521 7651 Alvarado Road La Mesa, California 92041
Assessor's Parcel Number:	470-020-12
HMMD Case Number:	H12687
Tank Owner/ Operator:	Chevron U.S.A. Products Company
Contact Person:	Mr. Ruben Avilez Chevron U.S.A. Products Company P.O. Box 2833 La Habra, California 90632-2833 (310) 694-7304

Site Description

The Chevron La Mesa site is located at the corner of Alvarado Road and Comanche Drive in La Mesa (Fig. 1). The site currently consists of an unpaved dirt lot (Fig. 2). Commercial properties are located to the west and south of the site. Interstate 8 and associated on/off ramps are located to the north and east, respectively. Future development of the site may include paving the lot for use as a recreational vehicle storage/sales area.

Background

This report summarizes the second phase of site assessment completed by Groundwater Technology. Figures which summarize the results of soil sample analyses from the Tank Removal Report dated November 6, 1991 are included in Appendix 1. A summary of this report is as follows:



SOURCE: USGS TOPO QUAD LA MESA, CA. 1975

N

0 2000 4000

FEET

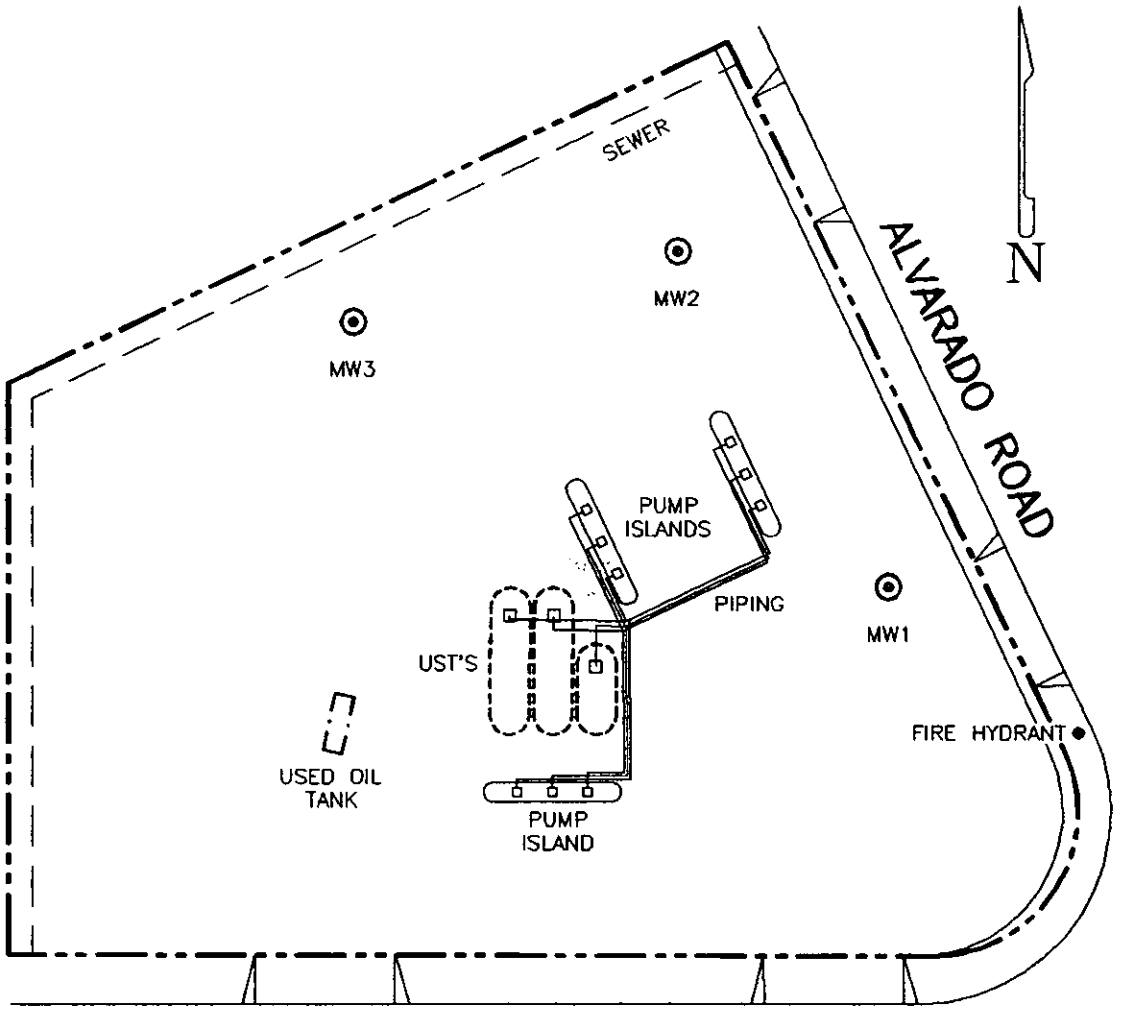
GROUNDWATER TECHNOLOGY, INC.

CHEVRON/LA MESA

SS NO. 9-3521

SITE LOCATION MAP

FIGURE 1



LEGEND

MONITORING WELL

FORMER TANK LOCATION

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
3. FIRE HYDRANT = BENCHMARK – RELATIVE ELEVATION 100.00'.

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525–AS1

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CHEVRON/LA MESA

7651 ALVARADO ROAD

LA MESA, CA

023402346

SITE PLAN

FIGURE 2

- Three gasoline and one used oil underground storage tank were removed on June 13, 1991.

- Four out of fifteen soil samples collected from the used oil tank pit contained greater than 100 parts per million (ppm) of total petroleum hydrocarbons as used oil (TPH_{ir}).

- Soil samples collected from the gasoline tank pit contained less than 100 ppm total petroleum hydrocarbons as gasoline (TPH_g).

- *Soil Samples collected from beneath the former product lines and pump* island "P2" contained less than 100 ppm TPH_g.

- Soil samples collected from beneath the former southern pump island ("P1") and the former northeastern pump island ("P3") contained greater than 100 ppm TPH_g.

- Stockpiled soil from the removal of the gasoline tanks was characterized and backfilled in the original excavation upon approval from the Hazardous Materials Management Division (HMMD).

- Stockpiled soil from the removal of the used oil tank was allowed by the HMMD to remained on site until further excavation was completed.

MONITORING WELL INSTALLATION

On March 27, 1992, a Groundwater Technology geologist observed the installation of monitoring wells MW1, MW2, and MW3. The wells were installed by H.E.M.C. Environmental Drilling of Irvine, California. Prior to drilling, a well permit was obtained from the HMMD. A copy of this permit is included in Appendix 2. As required by the well permit, a 30-day report was completed and submitted to the HMMD. The wells were completed in general accordance with Bulletins 74-81 and 74-90 "Water Well Standards: State of California". Well logs are included in Appendix 3. A worker health and safety plan was also prepared prior to drilling. As requested by the HMMD, a community health and safety plan was also prepared. The locations of the wells is shown on Figure 2. Drill cuttings were stockpiled on site. Soil from later excavation activities was added to the drill cuttings stockpile.

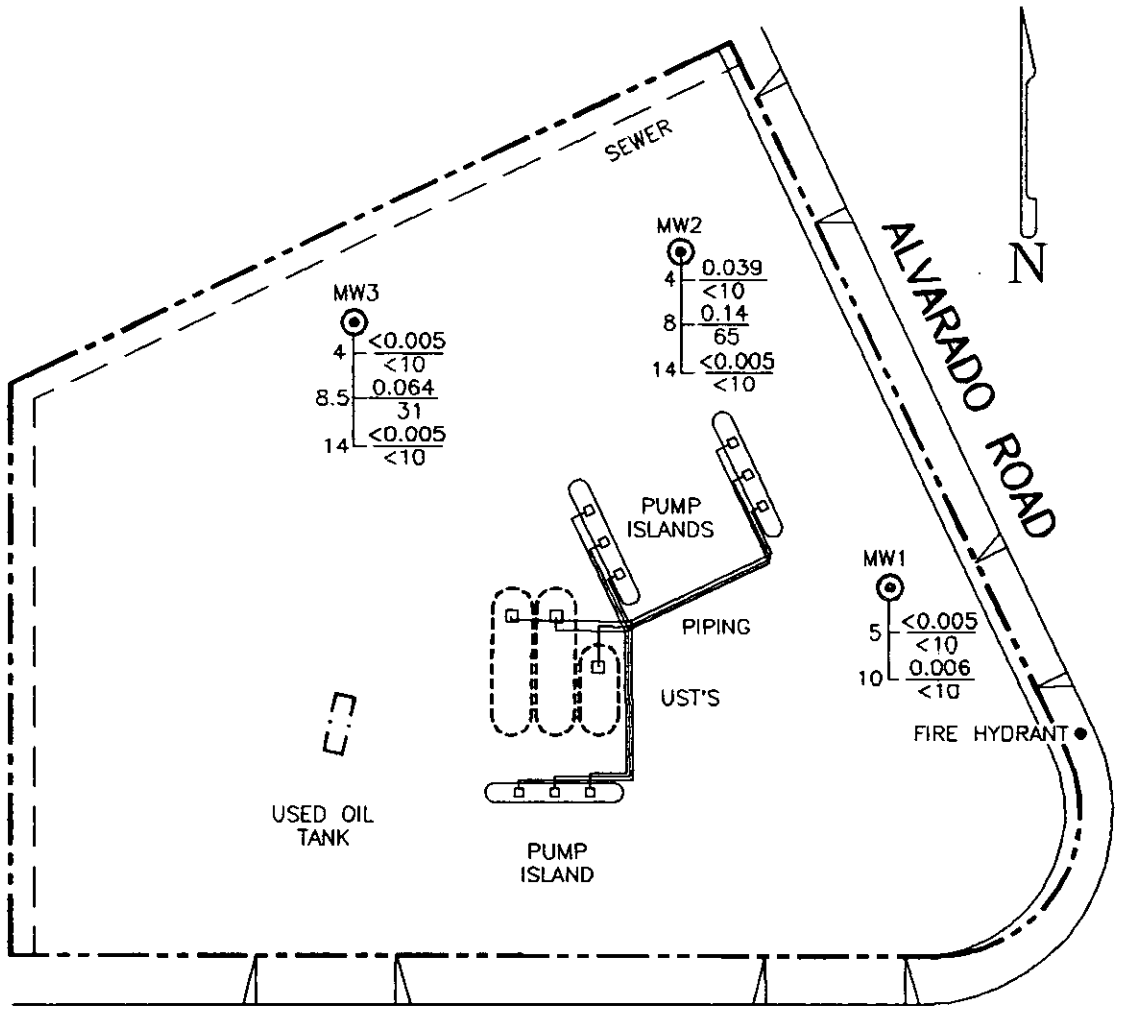
Soil samples were collected during the drilling process. Soil sample collection quality assurance and quality control (QA/QC) methods are included in Appendix 4. Soil samples were field screened with an HNU portable photo-ionization detector (PID). Results of the field screening are presented on the well logs. The samples were submitted to GTEL Environmental Laboratories in Torrance, California for analysis of purgable aromatics (BTEX) and total petroleum hydrocarbons as gasoline (TPH_g) in soil by Modified EPA Method 8020/8015. Laboratory reports are included in Appendix 4 and are summarized in Table 1 and on Figure 3. The wells were developed by a combination of surging and bailing.

TABLE 1
ANALYTICAL RESULTS - MONITORING WELL SOIL SAMPLES
PURGEABLE AROMATICS AND TOTAL PETROLEUM HYDROCARBONS
IN SOIL AS GASOLINE
MODIFIED EPA METHOD 8015/8020
Samples Collected on March 27, 1992 Concentrations in mg/kg (ppm)

Sample I.D.	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g
MW1-5	<0.005	<0.005	<0.005	<0.015	--	<10
MW1-10	0.006	0.008	0.005	0.019	0.038	<10
MW2-4	0.039	<0.005	0.026	0.028	0.093	<10
MW2-8	0.14	0.13	1.5	0.74	2.5	65
MW2-14	<0.005	<0.005	0.016	0.020	0.036	<10
MW3-4	<0.005	<0.005	<0.005	<0.015	--	<10
MW3-8.5	0.064	0.014	0.30	0.90	1.3	31
MW3-14	<0.005	<0.005	<0.005	0.025	0.025	<10

Notes:
BTEX = Benzene, Toluene, Ethylbenzene, Xylene
TPH_g = Total Petroleum Hydrocarbons as gasoline
<number = Below method detection limit
-- = Below method detection limits for all BTEX compounds

As seen in Table 1 and on Figure 3, TPH_g concentrations were less than 100 ppm in all soil samples collected during drilling. Two of three samples collected at a depth of approximately 8 feet below grade contained 31 and 65 ppm TPH_g.



LEGEND

DEPTH (FEET)

- MONITORING WELL
- 5: 0.14 / 65 — BENZENE / TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHg)
- 10: 0.005 / 10 — BENZENE DETECTION LIMIT / TPHg DETECTION LIMIT

ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

SAMPLES COLLECTED ON 3/27/92

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
3. FIRE HYDRANT = BENCHMARK – RELATIVE ELEVATION 100.00'.

0 40 80

APPROX SCALE IN FEET

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1525-BZS

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LA MESA, CA
023402346

BENZENE/TPHg IN SOIL

FIGURE 3

GROUNDWATER MONITORING

The monitoring wells were gauged on March 31, April 6 and 8, 1992 with an interface probe to determine the depth to groundwater and to evaluate the presence of phase-separated hydrocarbons (PSH). Groundwater monitoring data sheets are included in Appendix 5. The depth to groundwater ranged from 6 to 11 feet. No PSH was detected on these dates.

Groundwater elevations from the April 8, 1992 monitoring are shown on the groundwater data map included as Figure 4. The groundwater elevations were not contoured for the following reasons:

- Groundwater conditions at this site do not represent a continuous, unconfined aquifer because the groundwater occurs in laterally-discontinuous gravel lenses. The groundwater conditions are discussed in greater detail in the Geology and Hydrogeology section of this report.

- There are only three wells at the site, this is the minimum required for contouring.

- Groundwater recharge is extremely slow. For example, well MW2 was installed on March 27, 1992 and was still dry 4 days later on March 31.

GROUNDWATER SAMPLE COLLECTION AND ANALYSIS

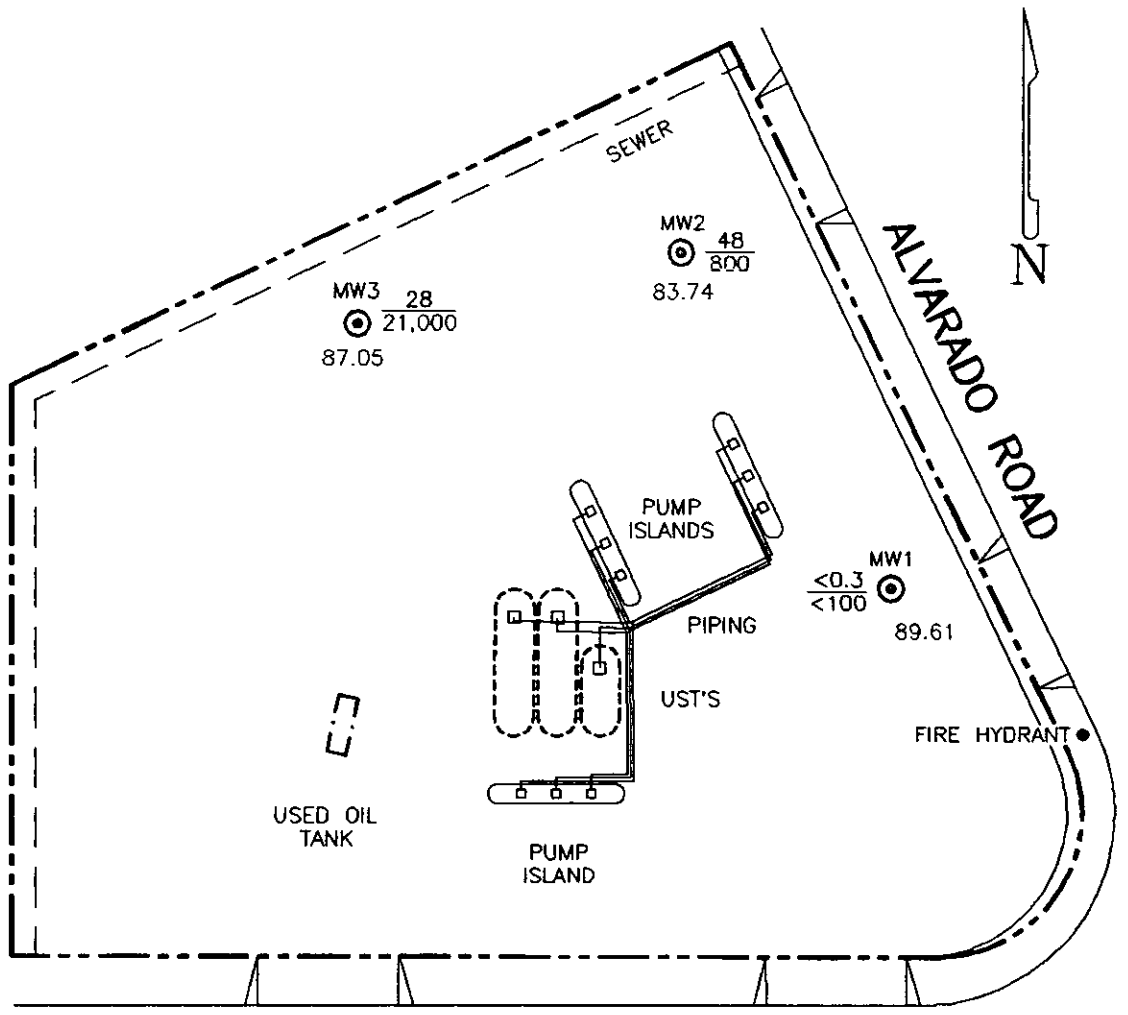
Groundwater samples were collected from all monitoring wells on April 8, 1992. Since all three wells were classified as slow recharging (i.e. <80% recharge in two hours), one bore hole volume of groundwater was purged prior to sample collection. Purged groundwater was stored in drums. The purged water was then removed from the drums by a pump truck. A copy of the pump truck receipt is included in Appendix 6. Samples were collected with a Teflon™ bailer in accordance with QA/QC methods included in Appendix 7. Laboratory reports are included in Appendix 7 and are summarized in Table 2 and on Figure 4.

TABLE 2
ANALYTICAL RESULTS - GROUNDWATER SAMPLES
PURGEABLE AROMATICS AND TOTAL PETROLEUM HYDROCARBONS
AS GASOLINE IN WATER
MODIFIED EPA METHOD 602/8020/8015
Samples Collected on April 8, 1992
Concentrations in ug/L (ppb)

Sample I.D.	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g
MW-1	<0.3	<0.3	<0.3	<0.6	--	<100
MW-2	48	13	4.6	17	83	800
MW-3	28	5.1	320	640	990	21,000

Notes:
BTEX = Benzene, Toluene, Ethylbenzene, Xylene
TPH_g = Total Petroleum Hydrocarbons as gasoline
<number = less than method detection limit

As seen in Table 2 and on Figure 5, no BTEX or TPH_g was detected in well MW1 located to the east of the former pump islands. BTEX and TPH_g were detected in wells MW2 and MW3, located to the north of the pump islands.



LEGEND

- ⊙ MONITORING WELL
- 89.61 RELATIVE GROUNDWATER ELEVATION
- 28 / 21,000 BENZENE / TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHg)
- 0.3 / 100 BENZENE DETECTION LIMIT / TPHg DETECTION LIMIT

ANALYTICAL RESULTS IN PARTS PER BILLION (PPB)

DATA COLLECTED ON 4/08/92

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
3. FIRE HYDRANT = BENCHMARK – RELATIVE ELEVATION 100.00'.

0 40 80

APPROX SCALE IN FEET

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1525–GWG

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GROUNDWATER DATA MAP

FIGURE 4

SOIL EXCAVATION ACTIVITIES

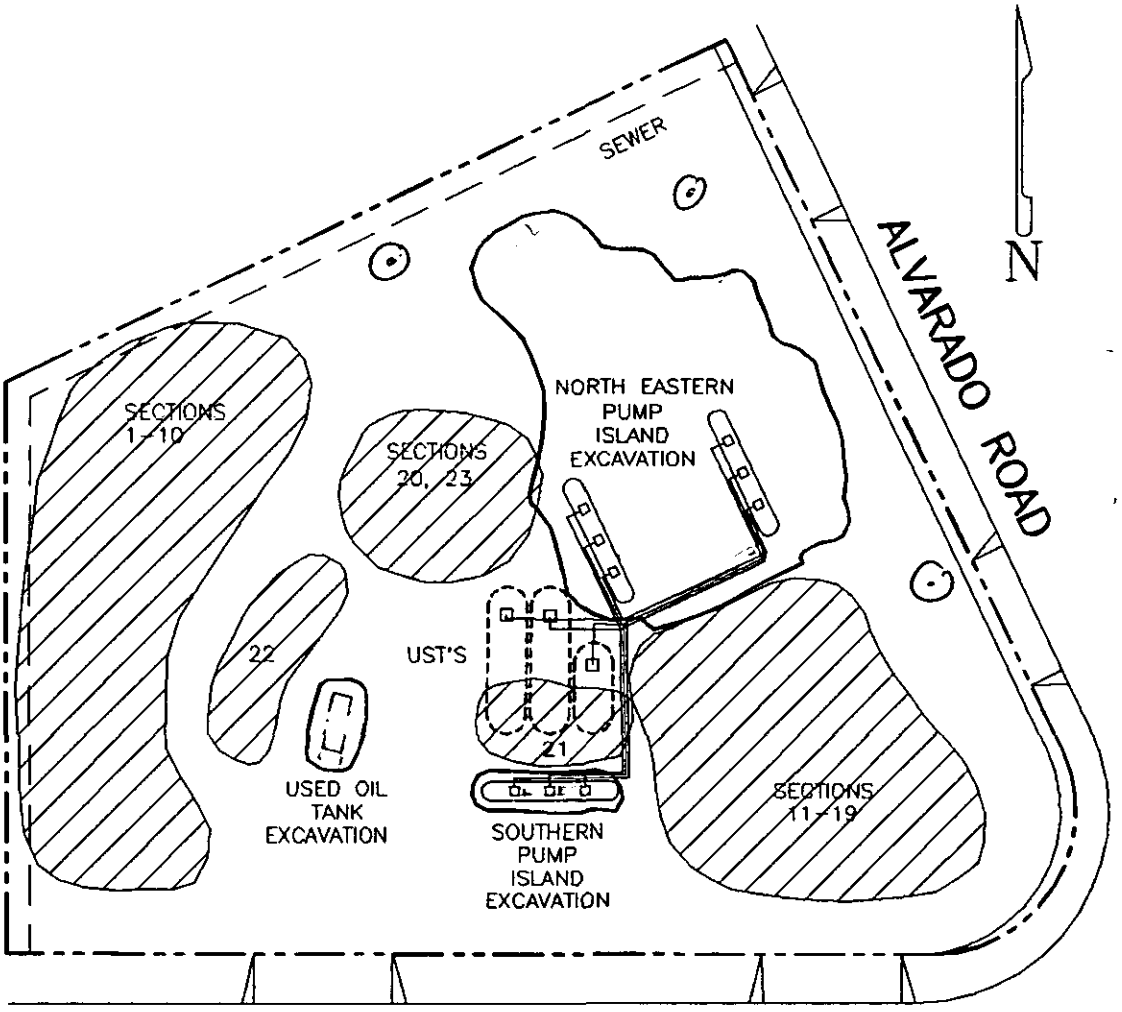
Soil excavation activities were conducted at the site from April 6 to 10, 1992. A Groundwater Technology geologist was on site to observe the excavation activities and collect soil samples. The excavation was completed by C.R.J. Inc. with a trac-mounted backhoe. A mobile laboratory was on site to analyze soil samples. Mobile laboratory services were provided by GTEL Environmental Laboratories on April 6, 7, and 8 and by GeoTest Laboratories on April 9 and 10. The following areas were excavated:

- The used oil tank pit,
- The southern pump island ("P1"),
- The northeastern pump island ("P3").

Excavated soils were stockpiled on site. Figure 5 illustrates the locations of the excavations and stockpiles. A summary of the activities at each excavation is presented in the following sections.

Used Oil Excavation

Approximately 100 cubic yards of soil have been excavated from the used oil tank pit area since the tank was removed in June 1991. The excavation is approximately 20 feet long, 10 feet wide and 12 feet deep. Twenty soil samples were collected from the tank pit and analyzed for total petroleum hydrocarbons (TPH_{ir}) in soil by Infrared Modified EPA Method 3550/SM503E/EPA 418.1. Soil samples were collected according to the QA/QC methods presented in Appendix 4.



LEGEND

SOIL STOCKPILE

22 STOCKPILE SECTION

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.

0 40 80

APPROX SCALE IN FEET

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0234O2346

EXCAVATION AND STOCKPILE LOCATIONS

FIGURE 5

Composite sample WO5,6,7, which contained 7,800 ppm TPH_{ir}, was also analyzed for the following:

- Purgable aromatics in soil by Modified EPA Method 8020,
- PCB's in soil by EPA Method 8080,
- Total organo lead in soil by Flame AA DHS Method,
- Halogenated volatile organics in soil by EPA Method 8010.

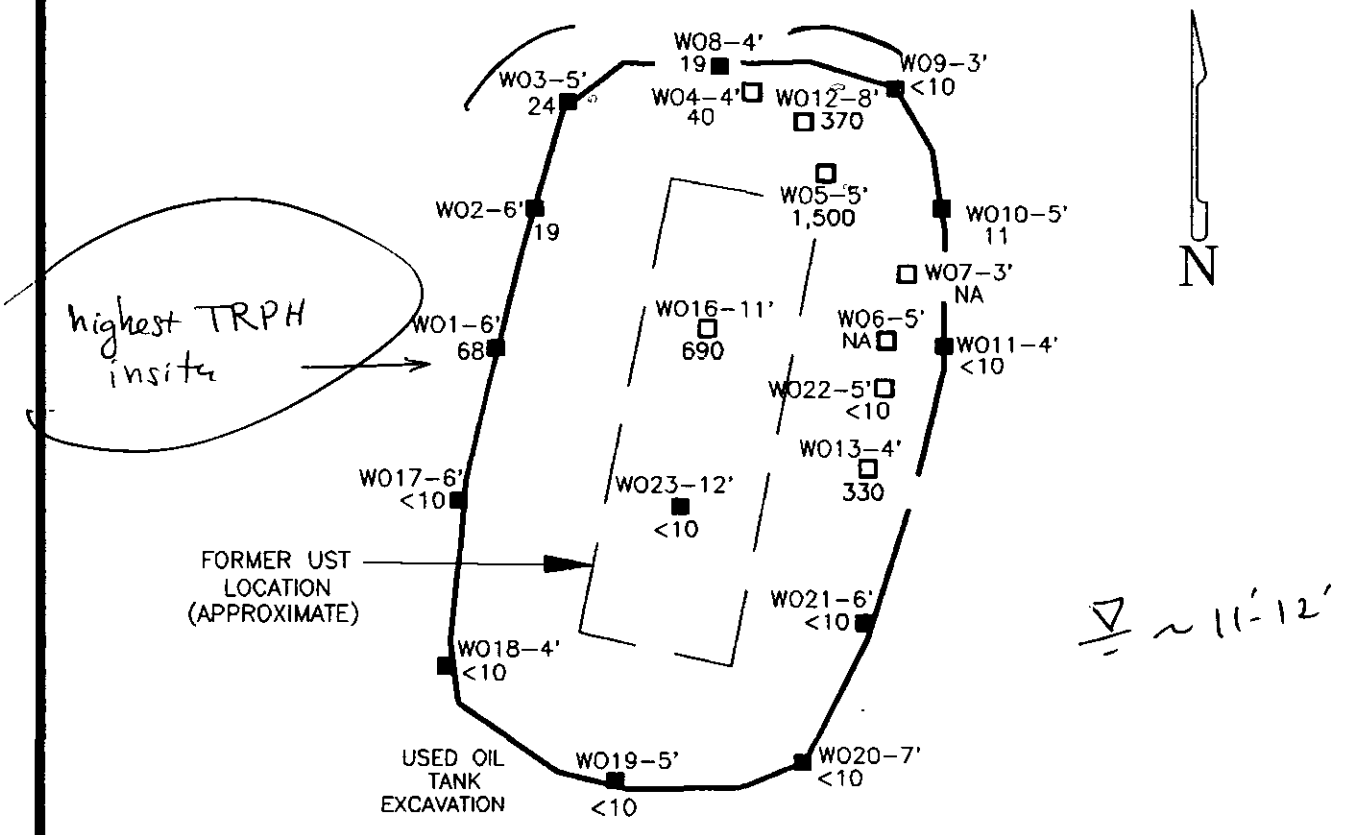
Analytical reports are included in Appendix 8 and are summarized in Table 3. TPH_{ir} concentrations are presented on Figure 6.

TABLE 3
ANALYTICAL RESULTS - USED OIL EXCAVATION SOIL SAMPLES
Samples Collected on April 7 and 8, 1992
Concentrations in mg/kg (ppm)

Sample I.D.	Depth (ft)	TPH_{ir}	B	T	E	X	BTEX	PCB	Organo Lead	HVO
WO1-6'	6	68	—	—	—	—	—	—	—	—
WO2-6'	6	19	—	—	—	—	—	—	—	—
WO3-5'	5	24	—	—	—	—	—	—	—	—
WO4-4'	4	*40	—	—	—	—	—	—	—	—
WO5-5'	5	*1,500	—	—	—	—	—	—	—	—
WO8-4'	4	19	—	—	—	—	—	—	—	—
WO9-3'	3	<10	—	—	—	—	—	—	—	—
WO10-5'	5	11	—	—	—	—	—	—	—	—
WO11-4'	4	<10	—	—	—	—	—	—	—	—
WO12-8'	8	*370	—	—	—	—	—	—	—	—
WO13-4'	4	*330	—	—	—	—	—	—	—	—
WO16-11'	11	*690	—	—	—	—	—	—	—	—
WO17-6'	6	<10	—	—	—	—	—	—	—	—
WO18-4'	4	<10	—	—	—	—	—	—	—	—
WO19-5'	5	<10	—	—	—	—	—	—	—	
WO20-7'	7	<10	—	—	—	—	—	—	—	—
WO21-6'	6	<10	—	—	—	—	—	—	—	—
WO22-5'	5	*<10	—	—	—	—	—	—	—	—
WO23-12'	12	<10	—	—	—	—	—	—	—	—
WO5,6,7	**	*7,800	<0.05	<0.05	<0.05	0.23	0.23	<0.1	1.7	ND

INF 14,000 (original used oil tank removal)

Notes:
TPH_{ir} = Total Petroleum Hydrocarbons in soil by Infrared Modified EPA Method 3550/SM503E/EPA 418.1
B = Benzene T = Toluene E = Ethylbenzene X = Xylene
PCB = Poly-chlorinated Biphenyls by EPA Method 8080
Organo Lead by Flame AA DHS Method
HVO = Halogenated volatile organics in soil, EPA Method 8010
ND = Not detected - below method detection limit for each analyte
— = Not analyzed
* = Sample represents excavated soil
** = Composite sample
<number = Less than method detection limit



LEGEND

- ■ SAMPLE LOCATION
- □ SAMPLE LOCATION REPRESENTS EXCAVATED SOIL
- 24 TPH_{ir} AS USED OIL BY EPA METHOD 418.1
- 10 TPH_{ir} DETECTION LIMIT (PPM)
- NA NOT ANALYZED
- RED = TPH_{ir} >100 PPM

ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

NOTE:
1) SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.

0 5 10

APPROX SCALE IN FEET

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7651 ALVARADO ROAD
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023402346

USED OIL TANK EXCAVATION

FIGURE 6

Thirteen samples represent soil left in place. TPH_{ir} concentrations of soils left in place ranged from <10 to 68 ppm. TPH_{ir} concentrations of excavated soil ranged from <10 to 7,800 ppm. Composite sample WO5,6,7, which contained the highest concentration of TPH_{ir}, also contained 0.23 ppm xylene and 1.7 ppm organo lead.

Southern Pump Island Excavation

Approximately 100 cubic yards of soil was excavated from the southern pump island area. The excavation is approximately 30 feet long by 8 feet wide by 8 feet deep. Six confirmation soil samples were collected from the excavation and analyzed for BTEX and TPH_g in soil by Modified EPA Method 8015/8020. Soil samples were collected according to the QA/QC methods presented in Appendix 4. Analytical reports are included in Appendix 9 and are summarized in Table 4. TPH_g concentrations are presented on Figure 7.

TABLE 4
ANALYTICAL RESULTS - SOUTHERN PUMP ISLAND EXCAVATION
PURGEABLE AROMATICS AND TOTAL PETROLEUM HYDROCARBONS
IN SOIL AS GASOLINE
MODIFIED EPA METHOD 8015/8020
Samples Collected on April 7, 1992
Concentrations in mg/kg (ppm)

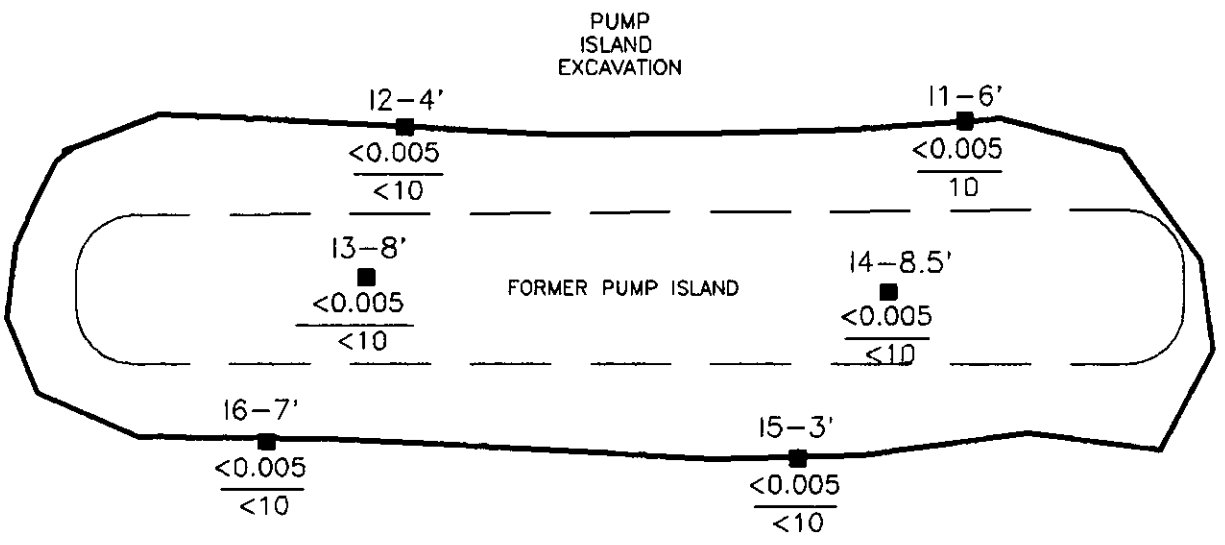
Sample I.D.	Depth (ft)	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g
I1-6'	6	<0.005	0.009	0.005	0.020	0.034	<10
I2-4'	4	<0.005	0.005	<0.005	<0.015	0.005	<10
I3-8'	8	<0.005	0.006	<0.005	<0.015	0.006	<10
I4-8.5'	8.5	<0.005	0.007	<0.005	<0.015	0.007	<10
I5-3'	3	<0.005	0.007	<0.005	<0.015	0.007	<10
I6-7'	7	<0.005	0.006	<0.005	<0.015	0.006	<10

TPH_g = Total Petroleum Hydrocarbons as gasoline
<number = Less than method detection limit

As seen in Table 4 and on Figure 7, no benzene or TPH_g was detected in soil samples collected from the southern pump island excavation.

Northeastern Pump Island Excavation

Approximately 2,100 cubic yards of soil was excavated from the northeastern pump island area. The excavation is approximately 90 feet long by 60 feet wide. The depth of the excavation ranges from 7 to 11 feet. Sixty two soil samples were collected from the excavation and analyzed for BTEX and TPH_g in soil by Modified EPA Method 8015/8020. Soil samples were collected according to the QA/QC methods presented in Appendix 4. Analytical reports are included in Appendix 9 and are summarized in Table 5. Benzene and TPH_g concentrations are presented on Figure 8. The GTEL Mobile Laboratory reported a TPH_g detection limit of 10 ppm and the GeoTest Mobile Laboratory reported a TPH_g detection limit of 1.0 ppm.



LEGEND

■ SAMPLE LOCATION

0.005 / 10 — BENZENE / TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPH_g)

0.005 / 10 — BENZENE DETECTION LIMIT / TPH_g DETECTION LIMIT

ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

ND

NOTE:
1) SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.

GROUNDWATER TECHNOLOGY, INC.

1525-PIE

0 5 10

APPROX SCALE IN FEET

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7681 ALVARADO ROAD
LA MESA, CA
023402346

SOUTHERN PUMP ISLAND EXCAVATION

FIGURE 7

TABLE 5
ANALYTICAL RESULTS - NORTHEASTERN PUMP ISLAND EXCAVATION
PURGEABLE AROMATICS AND TOTAL PETROLEUM HYDROCARBONS
IN SOIL AS GASOLINE
MODIFIED EPA METHOD 8015/8020
SAMPLED 4/7 & 8/92 CONCENTRATION mg/kg

Sample I.D.	Depth (ft)	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g
G1-5'	5	0.015	0.015	0.032	0.10	0.16	<10
G2-3'	3	<1.0	6.8	28	160	190	*2500
G3-5'	5	0.009	0.010	0.014	0.046	0.079	<10
G4-4'	4	0.060	0.017	0.13	0.31	0.52	<10
G5-4'	4	0.050	0.073	1.6	5.4	7.1	*130
G6-5'	5	0.008	0.017	0.021	0.073	0.12	<10
G7-4'	4	0.090	0.061	0.060	0.87	1.6	17
G8-8'	8	<0.005	0.017	0.011	0.060	0.088	<10
G9-6'	6	4.1	66	35	200	310	*1400
G10-4'	4	0.048	1.0	0.97	16	18	*100
G11-6'	6	0.051	0.14	0.15	1.1	1.4	*<10
G12-5'	5	0.54	10	8.4	47	66	*390
G13-7'	7	<0.005	0.011	0.007	0.043	0.061	*<10
G14-3'	3	0.41	3.1	2.6	11	17	*100
G15-5'	5	0.63	0.89	7.0	30	39	*230
G16-6'	6	0.006	0.015	0.021	0.11	0.34	*<10
G17-5'	5	0.47	0.19	2.1	9.7	12	54
G18-8'	8	<0.005	0.015	0.007	0.053	0.075	<10
G18a-4'	4	0.38	<0.02	3.3	4.9	8.6	77
G19-6'	6	0.043	0.022	0.36	0.18	0.61	*17
G20-4'	4	0.69	0.66	3.6	4.5	9.5	*410

TABLE 5 (CONT.)

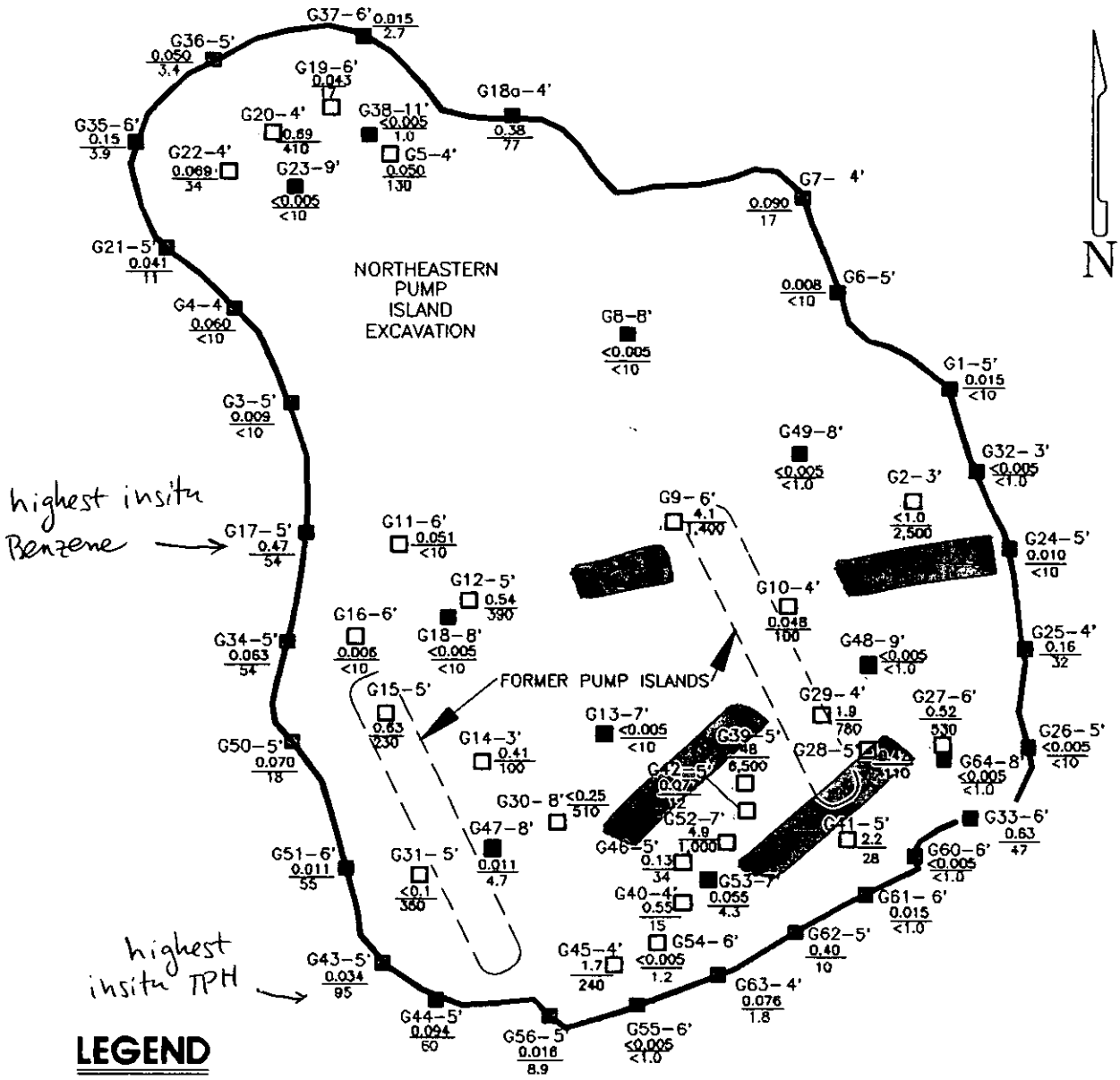
Sample I.D.	Depth (ft)	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g
G21-5'	5	0.041	0.005	0.12	0.20	0.37	11
G22-4'	4	0.069	0.063	0.96	1.5	2.6	*34
G23-9'	9	<0.005	<0.005	<0.005	<0.015	--	<10
G24-5'	5	0.010	<0.005	0.008	0.029	0.047	<10
G25-4'	4	0.16	0.15	0.17	1.2	1.7	32
G26-5'	5	<0.005	<0.005	<0.005	0.041	0.041	<10
G27-6'	6	0.52	0.54	5.5	21	28	*530
G28-5'	5	0.42	4.0	2.7	18	25	*110
G29-4'	4	1.9	8.3	16	86	110	*780
G30-8'	8	<0.25	0.31	3.8	11	15	*510
G31-5'	5	<0.1	0.31	2.6	2.3	5.2	*350
G32-3'	3	<0.005	<0.005	0.071	0.030	0.101	<1.0
G33-6'	6	0.63	0.084	10	56	67	47
G34-5'	5	0.063	0.52	2.5	13	16	54
G35-6'	6	0.15	0.015	0.49	1.2	1.9	3.9
G36-5'	5	0.050	0.026	0.48	0.46	1.0	3.4
G37-6'	6	0.015	<0.005	0.032	<0.015	0.047	2.7
G38-11'	11	<0.005	<0.005	<0.005	<0.015	--	<1.0
G39-5'	5	48	460	200	1000	1700	*6,500
G40-4'	4	0.55	0.066	0.70	1.3	2.6	*15
G41-5'	5	2.2	6.7	2.7	14	26	*28
G42-5'	5	0.077	0.082	0.63	1.9	2.7	*12
G43-5'	5	0.034	0.42	2.1	13	16	95
G44-5'	5	0.094	0.51	1.4	6.2	8.2	60
G45-4'	4	1.7	4.3	8.0	40	54	*240

TABLE 5 (CONT.)

Sample I.D.	Depth (ft)	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g
G46-5'	5	0.13	0.42	0.63	0.21	1.4	*34
G47-8'	8	0.011	0.059	0.086	0.48	0.64	*4.7
G48-9'	9	<0.005	<0.005	<0.005	0.019	0.019	*<1.0
G49-8'	8	<0.005	0.007	0.010	0.040	0.057	<1.0
G50-5'	5	0.070	0.087	1.9	10	12	18
G51-6'	6	0.011	0.069	0.49	1.5	2.1	55
G52-7'	7	4.9	60	44	250	360	*1000
G53-7'	7	0.055	0.029	0.013	0.60	0.70	*4.3
G54-6'	6	<0.005	0.008	0.013	0.060	0.081	*1.2
G55-6'	6	0.005	<0.005	0.011	0.020	0.036	<1.0
G56-5'	5	0.016	0.048	0.28	0.33	0.674	8.9
G60-6'	6	<0.005	0.008	<0.005	0.017	0.025	<1.0
G61-6'	6	0.015	<0.005	0.005	0.017	0.037	<1.0
G62-5'	5	0.40	0.96	0.38	1.2	2.9	10
G63-4'	4	0.076	0.012	0.10	0.19	0.38	1.8
G64-8'	8	<0.005	0.010	0.009	0.032	0.051	<1.0

Notes:
TPH_g = Total Petroleum Hydrocarbons as gasoline
<number = Less than method detection limit
* = Represents excavated soil

TPH_g concentrations were less than 100 ppm in 46 of the 62 samples analyzed. Benzene concentrations were less than 0.1 ppm in 39 of the 62 samples analyzed. Samples representing excavated soil contained TPH_g concentrations ranging from <10 to 6,500 ppm. Samples representing soils left in place contained TPH_g concentrations ranging from <10 to 95 ppm. As seen in Table 5 and on Figure 8, soils which contained greater than 100 ppm TPH_g were excavated.



LEGEND

- ■ SAMPLE LOCATION
- □ SAMPLE LOCATION—REPRESENTS EXCAVATED SOIL
- 0.094 / 34 BENZENE / TPH_g AS GASOLINE
- 0.005 / 10 OR 1.0 * DETECTION LIMIT BENZENE / TPH_g
- * MOBILE LABS REPORTED DIFFERENT DETECTION LIMITS FOR TPH_g.
- RED = TPH_g >100 ppm
- ALL ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

additional sampling areas.

NOTE:
1) SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.

0 15 30

APPROX SCALE IN FEET

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1525-NPI

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NORTHEASTERN PUMP ISLAND EXCAVATION

FIGURE 8

STOCKPILE CHARACTERIZATION

Soil stockpiles were characterized on April 22 and 23, 1992 in general accordance with the HMMD Site Assessment and Mitigation manual guidelines. The location of the stockpiles is presented on Figure 5. The characterization was performed by applying the following sampling protocol to each 100 cubic yards of stockpiled soil:

- Each 100 cubic yard section was divided into quadrants (A, B, C, and D),
- One sample was collected from each quadrant utilizing a random number generator applied to a three dimensional grid,
- Each sample was collected using a backhoe or shovel to within approximately one foot of the designated location,
- Samples were submitted for laboratory analysis.

The analytical results were then evaluated by utilizing the procedures outlined in the EPA Publication SW-846. This procedure estimates the mean concentration of a given compound within a soil mass and the minimum number of samples necessary to calculate this mean to within a specified confidence level. Statistical calculations are included in Appendix 11.

Pump Islands Stockpile Characterization

Approximately 2,200 cubic yards of soil were excavated from beneath the former pump islands (Stockpile sections 1 - 21, and 23, Fig. 5). The stockpiled soil was characterized according to the method outlined above. Soil samples were analyzed for BTEX and TPH_g. Laboratory results are summarized below in Table 6 and are included in Appendix 10. Soil sample locations are illustrated on Figures 9, 10, and 11. Figure 9 represents stockpile sections 1 - 10, Figure 10 represents stockpile sections 11 - 19, and Figure 11 represents stockpile sections 20 - 23. Samples were collected at various depths within the stockpiles. Sample depths are indicated in Table 6 as the elevations above grade. Samples collected at "0" feet in elevation represent samples collected at the bottom of the pile.

TABLE 6
ANALYTICAL RESULTS - STOCKPILE SECTIONS 1 - 21, AND 23
PURGEABLE AROMATICS AND TOTAL PETROLEUM HYDROCARBONS
IN SOIL AS GASOLINE
MODIFIED EPA METHOD 8015/8020
Samples Collected on April 22 and 23, 1992
Concentrations in mg/kg (ppm)

Sample ID	Elevation (feet)	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g	
1A	6	<0.005	<0.005	<0.005	<0.015	--	<10	1
1B	8	<0.005	<0.005	<0.005	<0.015	--	<10	2
1C	6	<0.005	<0.005	<0.005	<0.015	--	<10	3
1D	3	0.023	0.040	0.14	0.049	0.25	17	4
2A	3	<0.005	<0.005	<0.005	<0.015	--	<10	5
2B	6	<0.005	<0.005	<0.005	<0.015	--	<10	6
2C	0	<0.005	<0.005	<0.005	<0.015	--	<10	7
2D	2	0.006	0.005	0.013	<0.015	0.024	<10	8
3A	8	0.006	<0.005	0.007	<0.015	0.013	<10	9
3B	6	0.006	0.011	0.039	0.077	0.13	13	10
3C	1	<0.005	<0.005	<0.005	<0.015	--	<10	11
3D	3	<0.005	<0.005	<0.005	<0.015	--	<10	12
4A	1	<0.005	0.007	0.012	0.024	0.043	<10	13
4B	8	0.005	0.023	0.12	0.085	0.23	14	14
4C	10	<0.005	<0.005	0.011	0.018	0.029	<10	15
4D	6	<0.005	<0.005	<0.005	0.11	0.11	<10	16
5A	1	0.005	0.005	0.012	0.017	0.039	<10	17
5B	8	0.005	0.013	0.033	0.056	0.11	<10	18
5C	9	<0.005	<0.005	0.009	0.023	0.032	<10	19

TABLE 6 (CONT.)

Sample ID	Elevation (feet)	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g	
5D	8	0.007	0.015	0.047	0.028	0.097	<10	20
6A	6	<0.005	<0.005	<0.005	0.028	0.028	<10	21
6B	9	0.010	0.062	0.22	2.4	2.7	57	22
6C	8	0.018	0.035	0.083	0.047	0.18	<10	23
6D	1	0.034	0.074	0.15	2.1	2.4	52	24
7A	3	<0.005	0.006	0.023	0.19	0.22	13	25
7B	8	<0.005	<0.005	<0.005	0.059	0.059	<10	26
7C	6	<0.005	<0.005	0.011	0.092	0.10	<10	27
7D	2	<0.005	<0.005	<0.005	0.080	0.080	<10	28
8A	4	<0.005	<0.005	<0.005	0.017	0.017	<10	29
8B	0	<0.005	<0.005	<0.005	0.066	0.066	<10	30
8C	1	0.14	0.31	0.70	6.7	7.9	100	31
8D	1	0.085	0.58	0.64	14	15	140	32
9A	9	<0.005	<0.005	<0.005	0.039	0.039	<10	33
9B	1	0.13	0.27	0.19	1.5	2.1	100	34
9C	0	<0.005	<0.005	0.045	0.27	0.32	<10	35
9D	8	<0.005	<0.005	<0.005	<0.015	–	<10	36
10A	1	<0.005	<0.005	0.007	0.041	0.048	<10	37
10B	6	<0.005	<0.005	<0.005	0.018	0.018	<10	38
10C	3	<0.005	<0.005	<0.005	<0.015	–	<10	39
10D	4	<0.005	<0.005	0.008	0.051	0.059	<10	40
11A	1	0.013	0.042	0.030	1.0	1.1	18	1
11B	2	0.055	0.38	0.23	8.2	8.9	140	2
11C	1	0.49	18	11	90	120	450	3

highest benzene

TABLE 6 (CONT.)

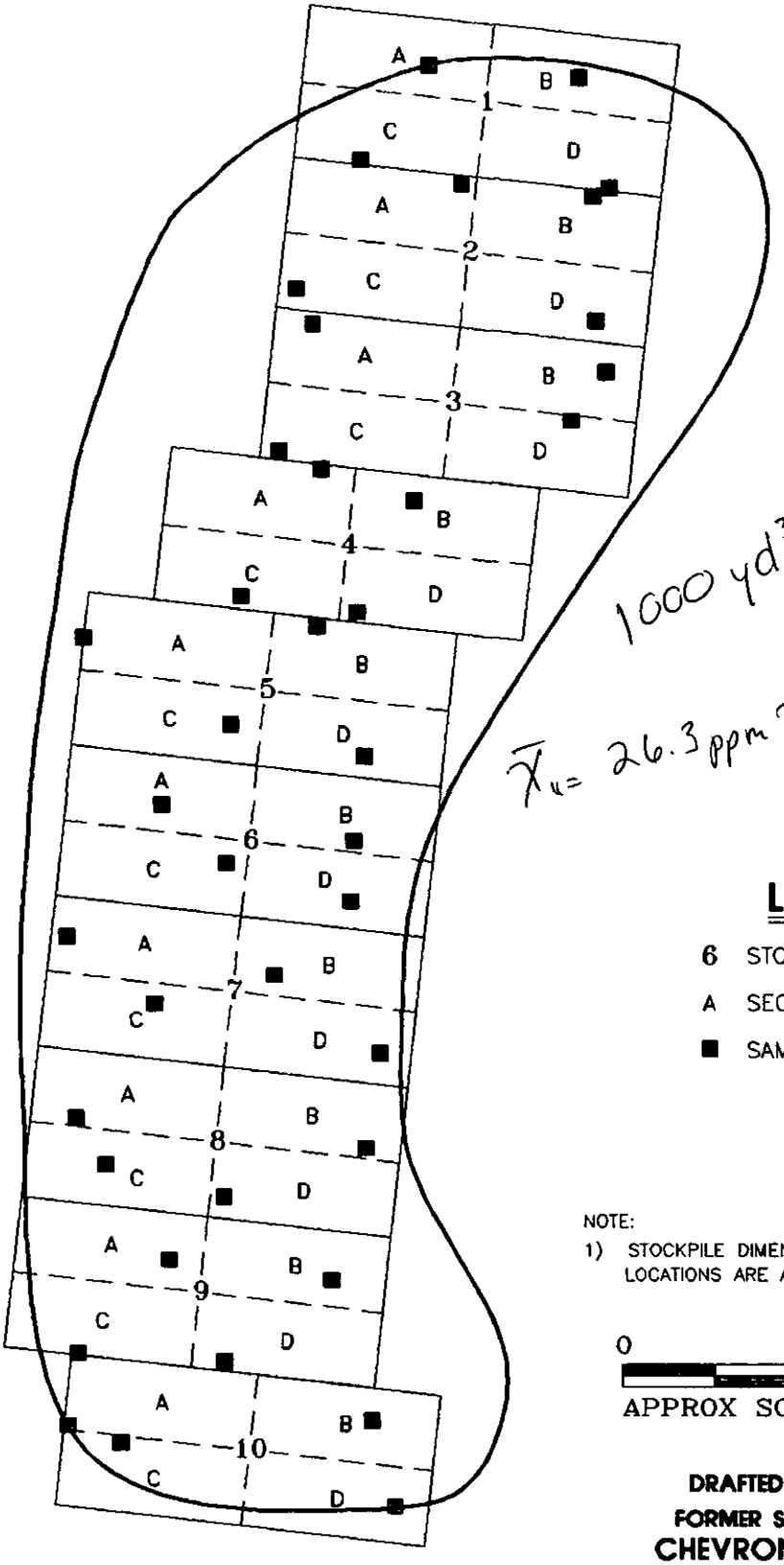
Sample ID	Elevation (feet)	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g	
11D	9	0.010	0.085	0.035	0.28	0.41	12	4
12A	6	0.14	0.57	0.47	5.3	6.5	170	5
12B	8	0.037	0.14	0.16	13	13	190	6
12C	7	<0.005	1.7	2.4	89	93	520	7
12D	1	0.10	3.3	2.7	21	27	140	8
13A	4	<0.005	0.023	0.086	0.38	0.49	20	9
13B	0	<0.005	<0.005	0.007	<0.015	0.007	<10	10
13C	0	0.056	0.17	0.53	11	12	180	11
13D	2	<0.005	0.012	0.066	0.040	0.12	15	12
14A	0	0.006	0.007	0.016	0.33	0.36	12	13
14B	9	<0.005	<0.005	<0.005	<0.015	--	<10	14
14C	5	0.059	0.23	0.19	9.2	9.7	120	15
14D	0	0.21	1.2	0.92	7.1	9.4	48	16
15A	5	0.023	0.024	0.026	0.27	0.34	<10	17
15B	7	0.034	0.10	0.11	3.2	3.4	86	18
15C	2	0.21	6.9	4.6	36	48	180	19
15D	1	<0.005	0.034	0.020	0.18	0.23	<10	20
16A	4	<0.005	0.020	0.073	0.84	0.93	17	21
16B	3	0.058	1.6	2.6	39	43	210	22
16C	7	<0.005	0.035	0.023	0.76	0.82	28	23
16D	4	0.018	0.029	0.019	0.97	1.0	25	24
17A	1	<0.005	0.056	0.019	0.17	0.25	12	25
17B	7	0.026	0.014	0.45	2.4	2.9	11	26
17C	0	<0.005	<0.005	0.012	0.063	0.075	<10	27

TABLE 6 (CONT.)

Sample ID	Elevation (feet)	Benzene	Toluene	Ethyl-benzene	Xylene	BTEX	TPH_g	
17D	3	<0.005	<0.005	0.008	0.062	0.070	<10	28
18A	6	0.009	0.059	0.037	1.4	1.5	28	29
18B	6	<0.005	<0.005	<0.005	0.21	0.21	11	30
18C	1	<0.005	<0.005	<0.005	0.036	0.036	<10	31
18D	8	<0.005	0.044	0.042	0.64	0.73	40	32
19A	6	0.39	3.3	2.8	21	27	120	33
19B	0	0.020	0.091	0.046	2.4	2.6	15	34
19C	1	0.033	0.13	0.071	2.0	2.2	56	35
19D	3	0.39	4.3	7.3	53	65	400	36
20A	3	<0.005	<0.005	0.010	0.072	0.082	<10	1
20B	0	<0.005	0.006	0.041	0.21	0.26	34	2
20C	4	<0.005	<0.005	0.007	0.034	0.041	<10	3
20D	7	<0.005	<0.005	0.010	0.049	0.059	<10	4
21A	3	<0.005	<0.005	<0.005	0.027	0.027	<10	1
21B	2	<0.005	<0.005	<0.005	<0.015	--	<10	2
21C	2	<0.005	<0.005	<0.005	<0.015	--	<10	3
21D	0	<0.005	<0.005	<0.005	<0.015	--	<10	4
23A	2	<0.005	<0.005	0.015	0.040	0.055	<10	5
23B	1	<0.005	<0.005	<0.005	<0.015	--	<10	6
23C	2	0.005	0.005	0.018	0.15	0.17	<10	7
23D	2	<0.005	<0.005	0.006	0.048	0.054	<10	8

#21 see table 7

TPG_g = Total Petroleum Hydrocarbons as gasoline
<number = Less than method detection limit



1000 yd^3 40 samples

$\bar{X}_{tt}$ = 26.3 ppm TPH

LEGEND

- 6 STOCKPILE SECTION
- A SECTION QUADRANT
- ■ SAMPLE LOCATION

NOTE:

1) STOCKPILE DIMENSIONS AND SAMPLE LOCATIONS ARE APPROXIMATE.

0 15 30

APPROX SCALE IN FEET

DRAFTED 06/02/92

FORMER SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO

LA MESA, CA

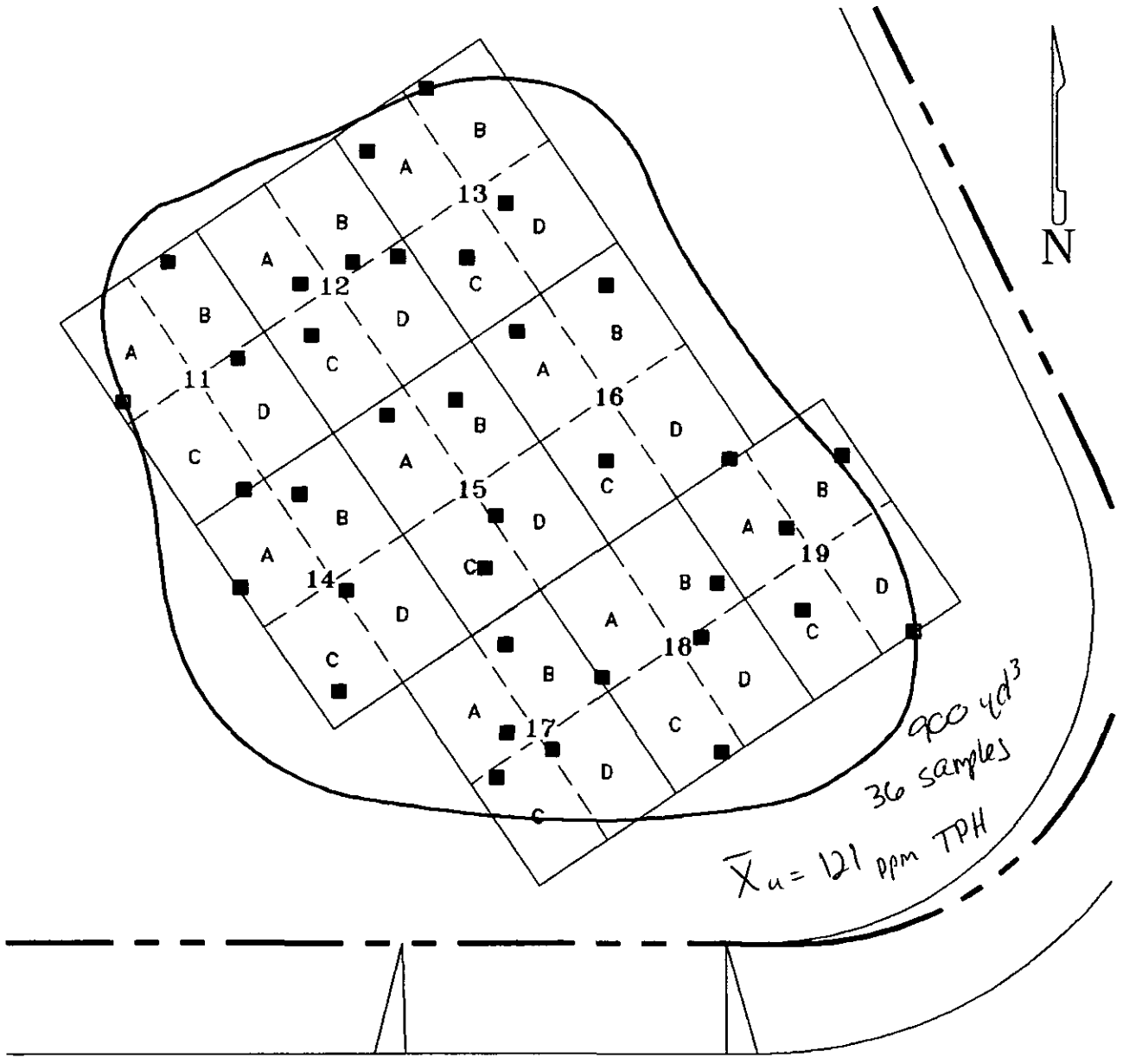
023402346

GROUNDWATER TECHNOLOGY, INC.

1525-S10

STOCKPILE SECTIONS 1-10

FIGURE 9



LEGEND

19 STOCKPILE SECTION

A SECTION QUADRANT

■ SAMPLE LOCATION

NOTE:

1) STOCKPILE DIMENSIONS AND SAMPLE LOCATIONS ARE APPROXIMATE.

0 15 30

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

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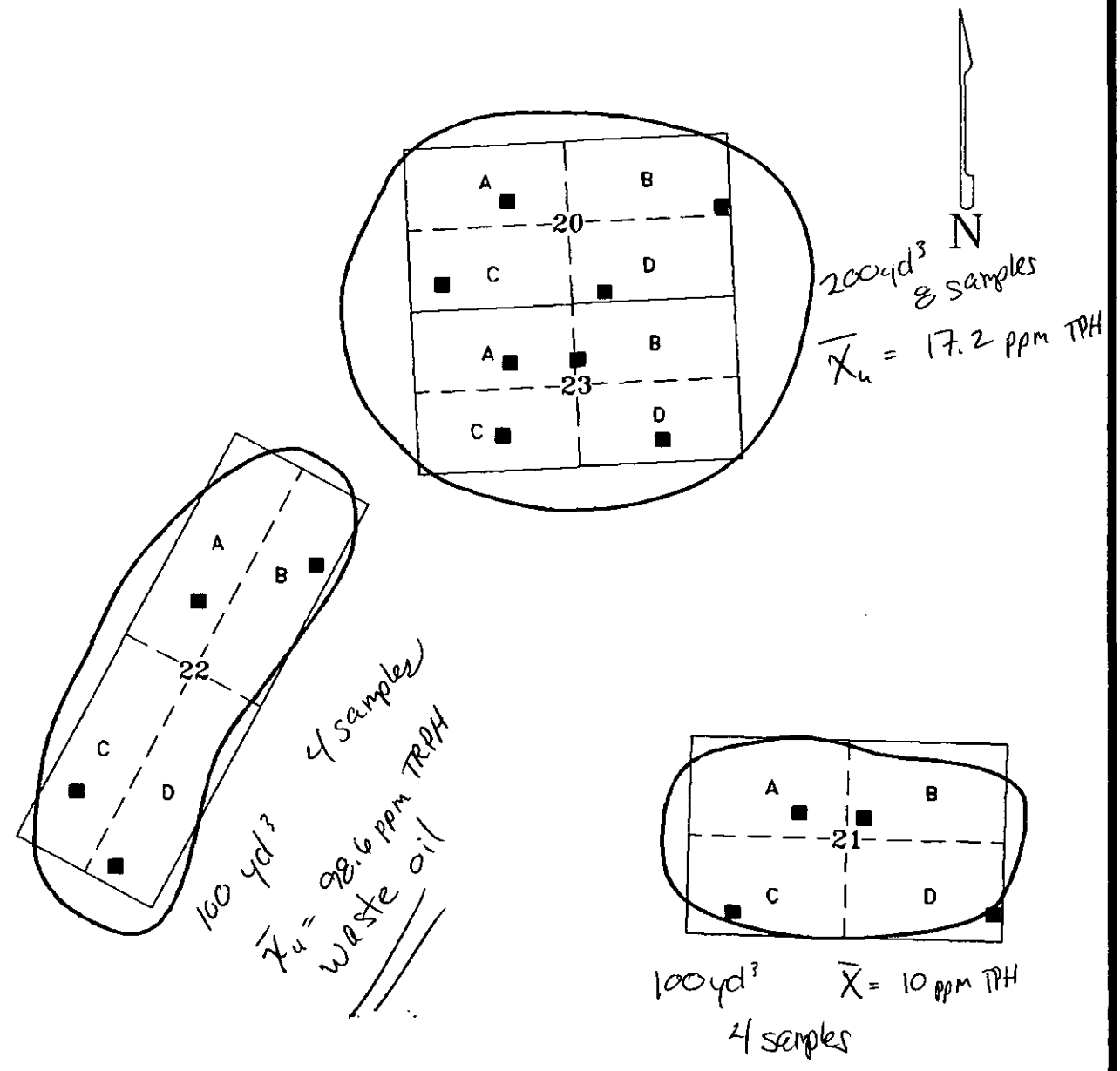
STOCKPILE SECTIONS 11-19

FIGURE 10



LEGEND

21 STOCKPILE SECTION

A SECTION QUADRANT

■ SAMPLE LOCATION

NOTE:

1) STOCKPILE DIMENSIONS AND SAMPLE LOCATIONS ARE APPROXIMATE.

0 15 30

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525–S23

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STOCKPILE SECTIONS 20-23

FIGURE 11

TPH_g concentrations were < 100 ppm in 73 of 88 samples and benzene concentrations were less than 0.1 ppm in 79 of 88 samples. The remaining 15 samples contained TPH_g concentrations ranging from 100 to 520 ppm and benzene concentrations ranging from 0.10 to 0.49 ppb.

TPH_g concentrations < 10 ppm were assumed to equal 9 ppm for the calculations. The mean TPH_g concentration was 49 ppm with a confidence interval of + or - 14 ppm. The mean benzene concentration was 0.035 ppm with a confidence interval of + or - 0.013 ppm. Statistical calculations are included in Appendix 11.

Used Oil Tank Stockpile Characterization

Approximately 100 cubic yards of soil is located to the west of the used oil tank excavation (Stockpile section 22, Fig. 5). The stockpiled soil was characterized according the method outlined above. Soil samples were analyzed for TPH_{ir}. Laboratory results are summarized below in Table 7 and are included in Appendix 10. Soil sample locations are illustrated on Figure 11.

TABLE 7
ANALYTICAL RESULTS - STOCKPILE SECTION 22
(USED OIL TANK)
PETROLEUM HYDROCARBONS IN SOIL BY INFRARED
MODIFIED EPA METHOD 3550.SM 503E/EPA 418.1
Samples Collected on April 22, 1992
Concentrations in mg/kg (ppm)

Sample I.D.	Elevation (feet)	TPH_{ir}
22A	3	81
22B	0	64
22C	4	30
22D	2	110

TPH_{ir} = Total Petroleum Hydrocarbons by infrared Method 418.1

Statistical calculations are included in Appendix 11. The mean TPH_{ir} concentration was 71 ppm with a confidence interval of + or - 31 ppm.

GEOLOGY AND HYDROGEOLOGY

The following observations were made regarding the site geology and hydrogeology based on the previous site assessment activities:

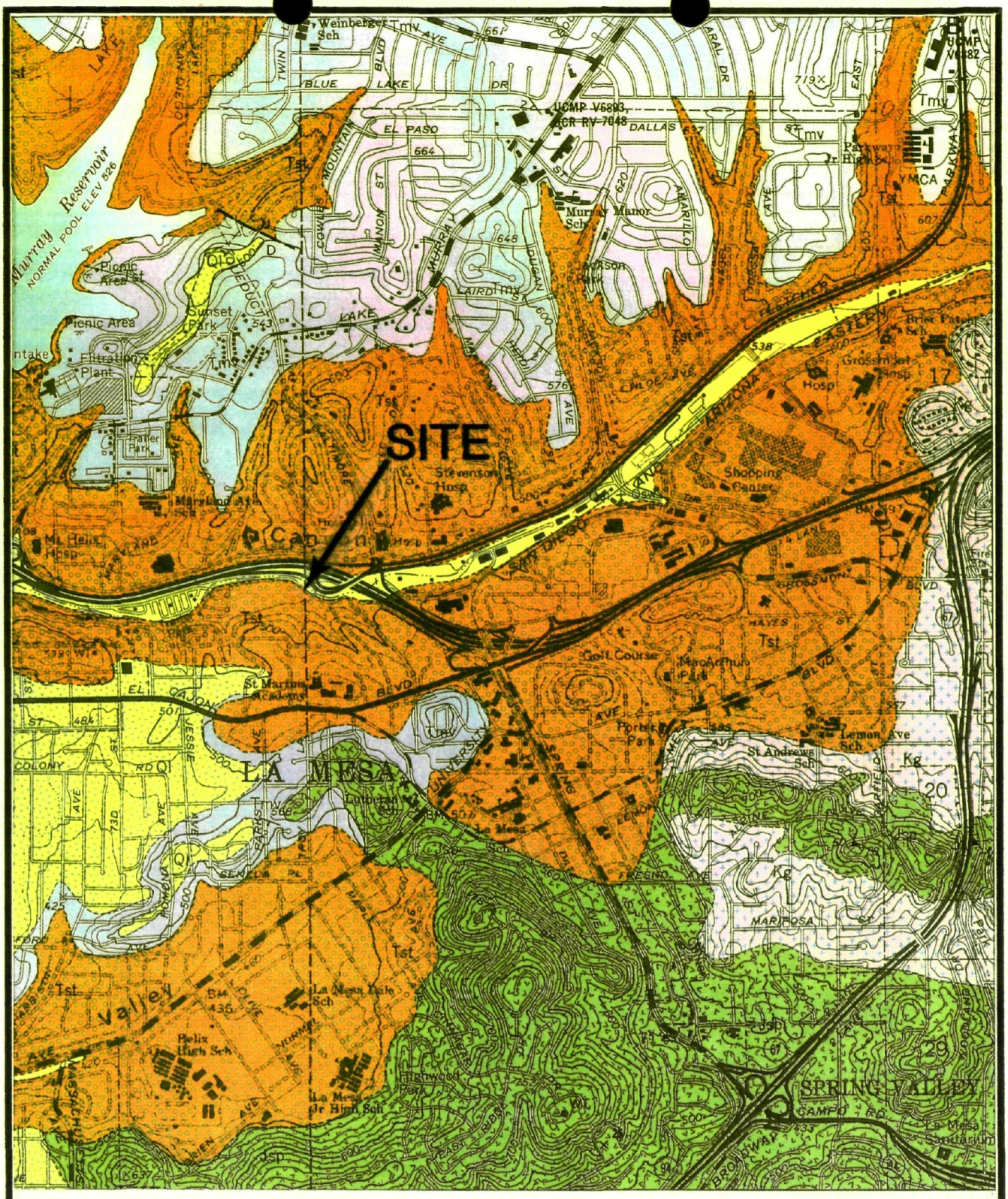
- The site is located along the south side of an east-west trending valley (Fig. 1). A stream bed runs down the valley approximately 100 feet to the northeast of the site.

- The site topography slopes from south to north with a decrease in elevation of approximately 12 feet across the site.

- The site lies in the Cholla hydrologic sub unit (HSA 8.22) which is adjacent to the Mission San Diego Hydrologic Subunit (HSA 7.11). Groundwater in the 8.22 subunit is listed as non-beneficial use as designated by the Regional Water Quality Control Board (RWQCB; December 17, 1990). The 7.11 subunit is listed as having beneficial uses.

Groundwater is beneficial under site.

A geologic map of the area and its legend are included as Figures 12a and 12b. As seen on the geologic map, the area geology consists of quaternary alluvium and slopewash over the Stadium Conglomerate formation (Kennedy, Michael P., 1975).


SITE
LA MESA
SPRING VALLEY
Murray Reservoir
NORMAL POOL ELEV 526
Weinberger Sch
Murray Manor Sch
Stevenson Hosp
Mt Helix Hosp
Grossmont Hosp
Shopping Center
Golf Course
Picnic Area
Sunset Park
Filtration Plant
Water Tank
Maryland Sch
St Martins Academy
Porter Park
St Andrews Sch
Lemon Ave Sch
La Mesa Jr High Sch
Helix High Sch
Highwood Park
Mesa Sanitarium
Brier Patch Sch
YMCA
UCMP V6893
UCR RV-7648
UCMP V6882
Tst
Tmv
Qlo
Kg
Jsp
Qal
Qt
EL CAJON BLVD
LA MESA DR
BALTIMORE DR
BLUE LAKE DR
EL PASO
DALLAS
ARIZONA
EASTERN
BROADWAY
CAMPO RD
MARIPOSA
FRESNO
LEMON
SPRING
MAPLE
ACACIA
JESSIE
COLONY
ALDER
PARKWAY
MURRAY
MANNIX
MOUNTAIN
AMARILLO
FLETCHER
CHASE
HAYES
GROSSMONT
LAIRD
LUGANO
ADAMS
ADRIAN
ADELINE
ADELPHIA
ADELL
ADELAIDE
ADELE
ADELANTO
ADELANTE
ADELANTO
ADELANTE
ADELANTO
ADELANT

QUATERNARY

Holocene

Qsw / Qal + Qsw

Alluvium and Slopewash

Qsw, Slopewash; Qal & Qsw, Alluvium and Slopewash undifferentiated.

Qls

Landslide deposits

Pleistocene

Qt

Stream-terrace deposits

Ql

Lindavista Formation

TERTIARY

Pliocene

Tsd

San Diego Formation

Eocene

Tp / Tmv / Tst

Poway Group

Tp, Pomerado Conglomerate; Tmv, Mission Valley Formation; Tst, Stadium Conglomerate. Conglomerate marked by circle pattern.

Tf

Friars Formation

Conglomerate marked by circle pattern.

CRETACEOUS

Kg

Granite rocks

Undifferentiated granitic rocks of the southern California batholith.

JURASSIC

Jsp

Santiago Peak Volcanics

Strike and dip of bedding in sedimentary rocks. (5)

Strike and dip of bedding in metasedimentary rocks. (40)

Qls

Landslide with direction of movement indicated by arrows.

△ 12-16

Clay sample locality.

× 12-23

Pit, quarry, or mine.

★ 5

Fossil coccolith locality.

• 16

Fossil vertebrate locality.

ADAPTED FROM GEOLOGIC MAP OF THE LA MESA QUAD, CA. BY KENNEDY AND PETERSON 1972.

0 2000 4000

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525–GE1

SYMBOLS

Contact

(dashed where approximately located; dotted where concealed)

Fault, showing dip

(dashed where approximately located; dotted where concealed; U, upthrown side; D, downthrown side).

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LA MESA, CA

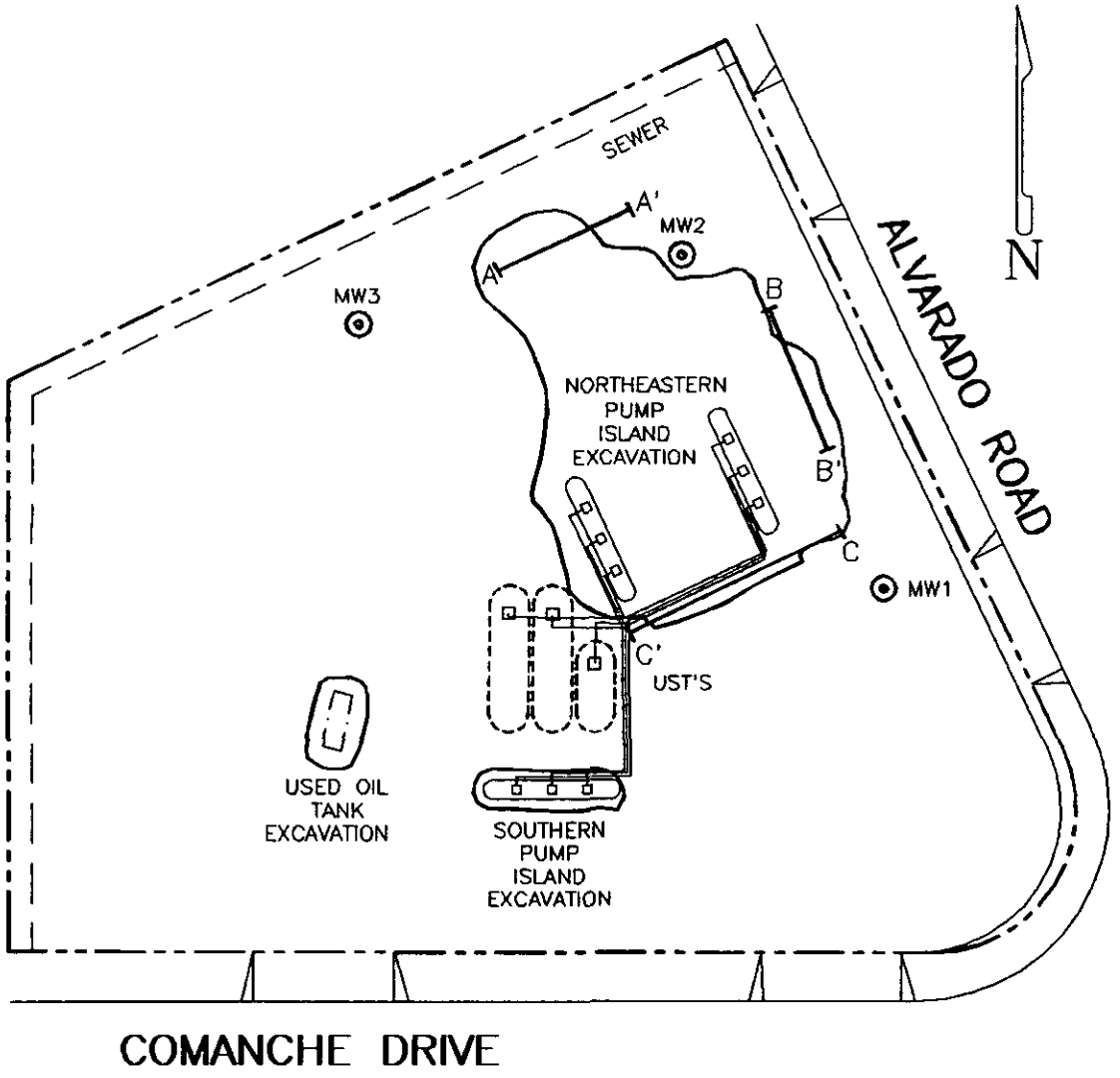
LEGEND FOR GEOLOGIC MAP

FIGURE 12b

As requested by Mike Porter of the HMMD, geologic mapping of the selected excavation walls was completed. The locations of the mapped walls is indicated on Figure 13. Due to the irregular shape of the excavation walls, maps A - A' and B - B' (Fig. 14) are schematic (i.e. not to scale). Excavation wall C - C' (Fig. 15) was chosen for scaled mapping because it was the most linear. Wall C - C' was surveyed relative to the monitoring wells in order to evaluate groundwater conditions. Results of this mapping indicate the following:

- An approximate 5-foot thick layer of fill material was observed. The fill material consists of clayey sand with traces of debris (asphalt, concrete, wood, trash etc.).
- A 1 to 3-foot thick layer of silty sand was observed beneath the fill material.
- Stadium conglomerate was observed beneath the silty sand layer.
- An approximate 1-foot thick layer of sand was observed between the fill material and silty sand along the northern side of the excavation
- Laterally discontinuous lenses of gravel and sandy silt were observed within the silty sand layer.

Groundwater was observed seeping from the gravel lenses during the excavation activities. Other areas varied from dry to damp. The groundwater elevation observed in well MW1 was equal to elevation of the gravel lense mapped along the southern wall (C - C'). These lenses were observed to be laterally discontinuous with a maximum length of 4 - 6 feet.



LEGEND

⊙ MONITORING WELL

A ├──┤ A' B ├──┤ B' SCHEMATIC GEOLOGIC MAPS

C ├──┤ C' SCALED GEOLOGIC MAP

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-GML

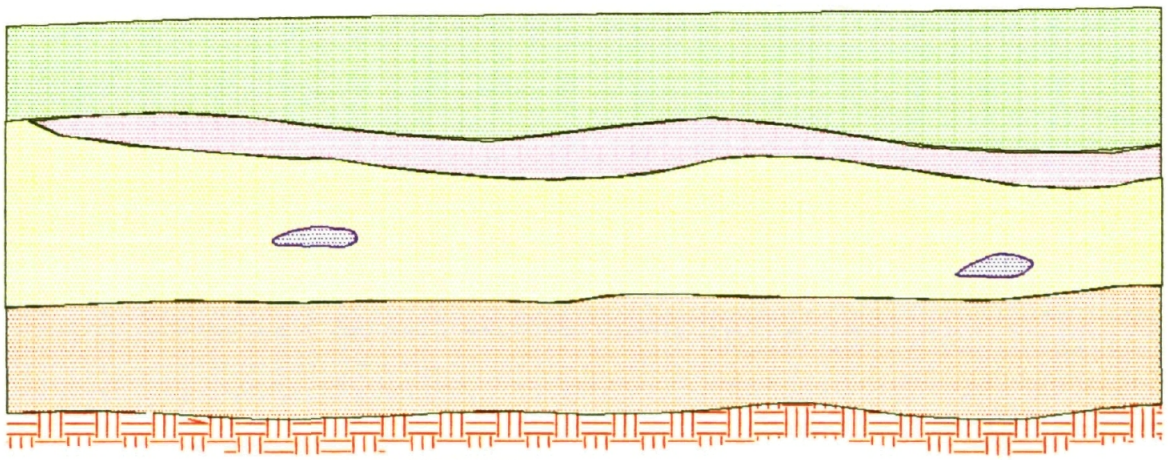
DRAFTED 05/26/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7661 ALVARADO ROAD
LA MESA, CA
023402346

GEOLOGIC MAPPING LOCATIONS

FIGURE 13

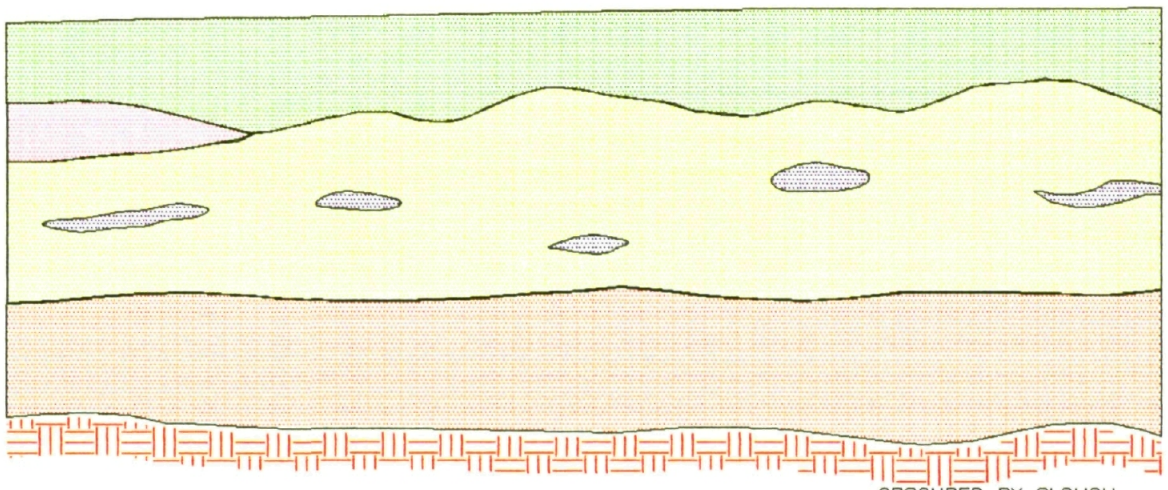
NOT TO SCALE

A A'



OBSCURED BY SLOUGH

B B'



OBSCURED BY SLOUGH

NOT TO SCALE

LEGEND

- FILL MATERIAL – CLAYEY SAND, LITTLE GRAVEL AND COBBLES, DEBRIS – ROOTS, ASPHALT, CONCRETE, WOOD ETC.
- SAND – MEDIUM TO FINE GRAINED, LOCALLY SILTY.
- SILTY SAND – SILTY SAND WITH CLAY, LENSES OF GRAVEL.
- GRAVEL LENSES – GRAVEL WITH SANDY SILT, WATER BEARING ZONE, LATERALLY DISCONTINUOUS LENSES.

(SAND – MEDIUM TO FINE GRAINED, LOCALLY SILTY. / SILTY SAND – SILTY SAND WITH CLAY, LENSES OF GRAVEL. / GRAVEL LENSES – GRAVEL WITH SANDY SILT, WATER BEARING ZONE, LATERALLY DISCONTINUOUS LENSES.) — QUARTERNARY ALLUVIUM/SLOPEWASH

- STADIUM CONGLOMERATE – COBBLE CONGLOMERATE WITH COARSE GRAINED SANDSTONE MATRIX.
- OBSCURED BY SLOUGH

GROUNDWATER TECHNOLOGY, INC.

1525–DGM

DRAFTED 06/04/92

FORMER SS No. 9-3521

CHEVRON/LA MESA

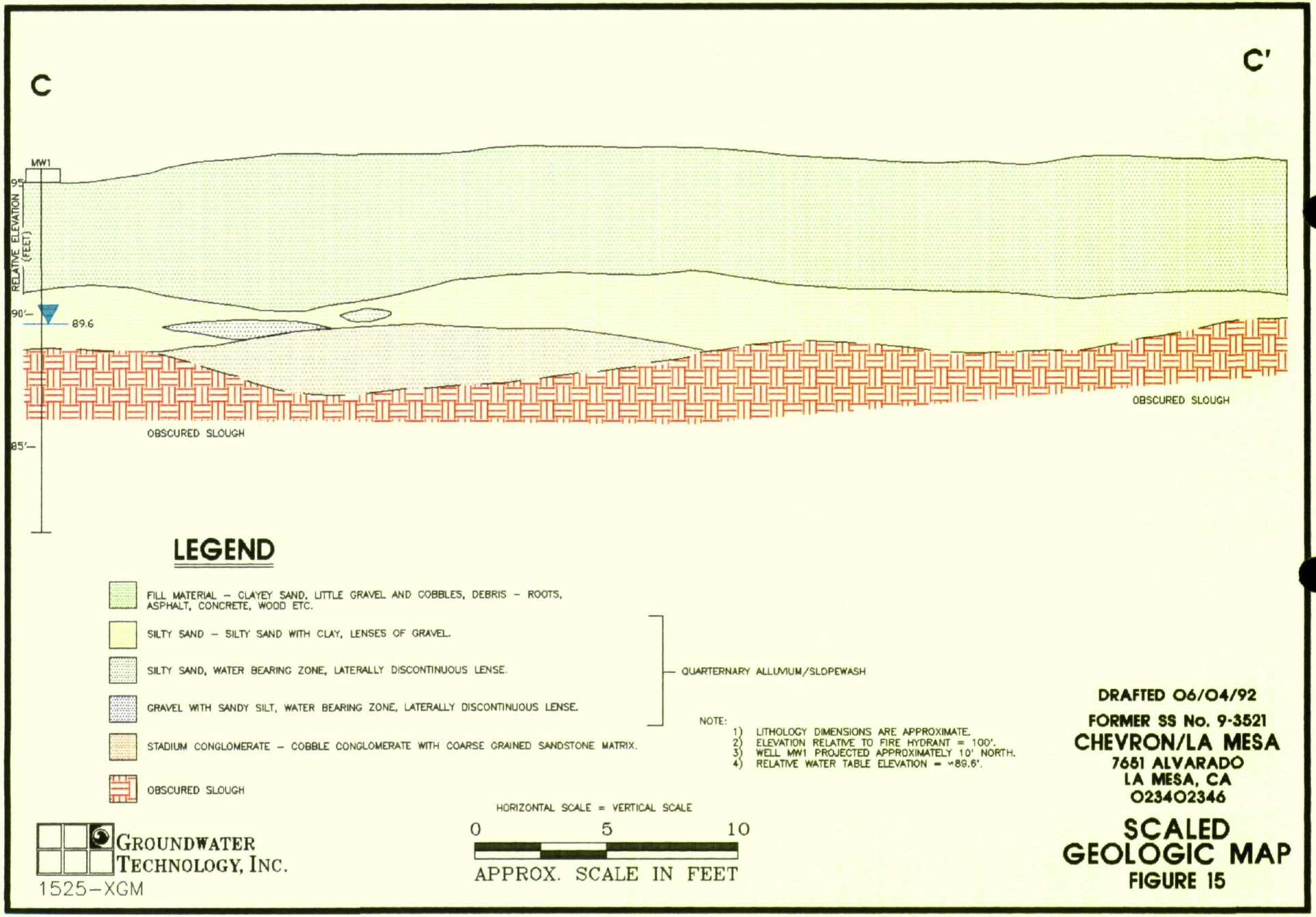
7651 ALVARADO

LA MESA, CA

023402346

SCHEMATIC GEOLOGIC MAP

FIGURE 14


C
C'
MW1
95'
90'
85'
RELATIVE ELEVATION (FEET)
89.6
OBSCURED SLOUGH
OBSCURED SLOUGH
LEGEND
FILL MATERIAL – CLAYEY SAND, LITTLE GRAVEL AND COBBLES, DEBRIS – ROOTS, ASPHALT, CONCRETE, WOOD ETC.
SILTY SAND – SILTY SAND WITH CLAY, LENSES OF GRAVEL.
SILTY SAND, WATER BEARING ZONE, LATERALLY DISCONTINUOUS LENSE.
GRAVEL WITH SANDY SILT, WATER BEARING ZONE, LATERALLY DISCONTINUOUS LENSE.
QUARTERNARY ALLUVIUM/SLOPEWASH
STADIUM CONGLOMERATE – COBBLE CONGLOMERATE WITH COARSE GRAINED SANDSTONE MATRIX.
OBSCURED SLOUGH
NOTE:
1) LITHOLOGY DIMENSIONS ARE APPROXIMATE.
2) ELEVATION RELATIVE TO FIRE HYDRANT = 100'.
3) WELL MW1 PROJECTED APPROXIMATELY 10' NORTH.
4) RELATIVE WATER TABLE ELEVATION = ~89.6'.
HORIZONTAL SCALE = VERTICAL SCALE
0 5 10
APPROX. SCALE IN FEET
GROUNDWATER TECHNOLOGY, INC.
1525-XGM
DRAFTED 06/04/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7681 ALVARADO
LA MESA, CA
023402346
SCALED GEOLOGIC MAP
FIGURE 15

SUMMARY

- Soil samples collected during the drilling of wells MW1, MW2, and MW3 contained less than 100 ppm TPH_g.

- The highest concentration of TPH_g in groundwater was observed in well MW3 (21,000 ppb).

- Approximately 100 cubic yards of soil containing greater than 100 ppm TPH_{ir} was excavated from the used oil tank area. Confirmation samples collected from the excavation walls and bottom (WO23-12') contained less than 100 ppm TPH_{ir}.

- Approximately 100 cubic yards of soil was excavated from the southern pump island area. Confirmation samples collected from the excavation walls and bottom did not contain detectable benzene or TPH_g concentrations.

- Approximately 2,100 cubic yards of soil was excavated from the northeastern pump island area. Confirmation samples collected from the excavation walls and bottom contained less than 100 ppm TPH_g.

- Statistical calculations indicated a mean TPH_g concentration of 49 ppm and a confidence interval of + or - 14 ppm for the 2,200 cubic yards of soil excavated from the pump island areas.

- Statistical calculations indicated a mean benzene concentration of 0.035 ppm and a confidence interval of + or - 0.013 ppm for the 2,200 cubic yards of soil excavated from the pump island areas.

- Statistical calculations indicated a mean TPH_{ir} concentration of 71 ppm and a confidence interval of + or - 31 ppm for the 100 cubic yards of soil excavated from the used oil tank area.

- The site geology consists of fill material and silty sand over the stadium conglomerate formation. The silty sand contains laterally-discontinuous lenses of gravel.

- Based on the observations made during the excavation activities and during the subsequent geologic mapping, groundwater occurs within the gravel lenses and does not represent a continuous-unconfined aquifer.

- Since excavation activities began in April, no significant amounts of groundwater have been observed in the excavation.

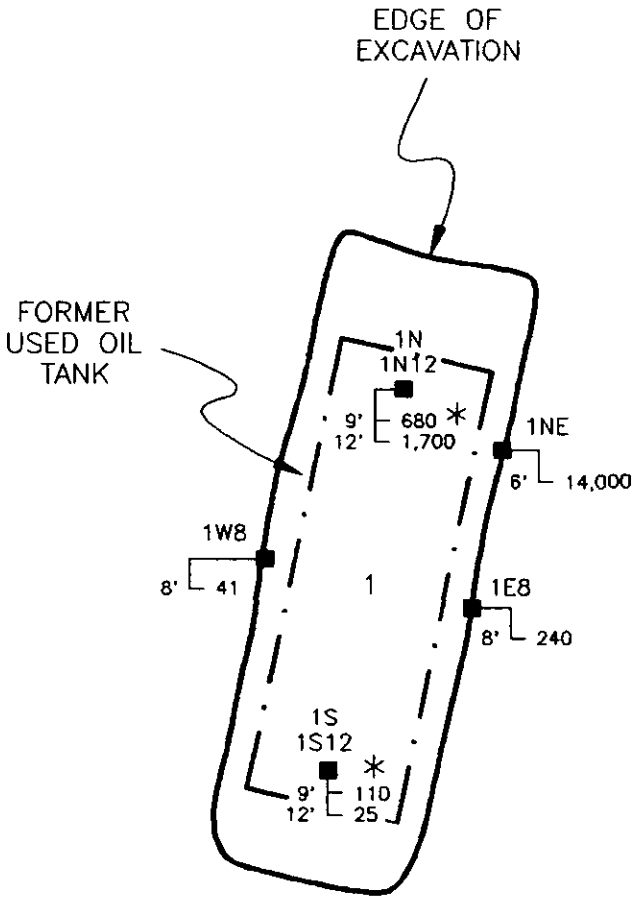
REFERENCES

California Division of Mines and Geology, Michael P. Kennedy and G.L. Peterson, 1975; Geology of the San Diego Metropolitan Area, California, geology of the La Mesa Quadrangle; 1975.

Groundwater Technology, Inc., November 8, 1991; Tank Removal Report, Chevron Service Station No. 9-3521, 7651 Alvarado Road, La Mesa, California 92041.

Regional Water Quality Control Board, 1990; Comprehensive Water Quality Control Plan for the San Diego Region, December 17, 1990.

Standard Oil Company of California, 1972; Ground and Grade Plan, Dealer Operated SS# 3521, Frontage & Comanche, La Mesa, California; April 10, 1972.





LEGEND

SAMPLE LOCATION

ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

DEPTH IN FEET

9' 680 TPH_m AS USED OIL (PPM)

12' 1,700 TPH_m AS USED OIL (PPM)

NOTES:

1. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.
2. TPH AS USED OIL BY EPA METHOD 418.1
3. * = SAMPLE REPRESENTS EXCAVATED SOIL

0 5 10

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-TSU

DRAFTED 11/08/91

SS No. 9-3521

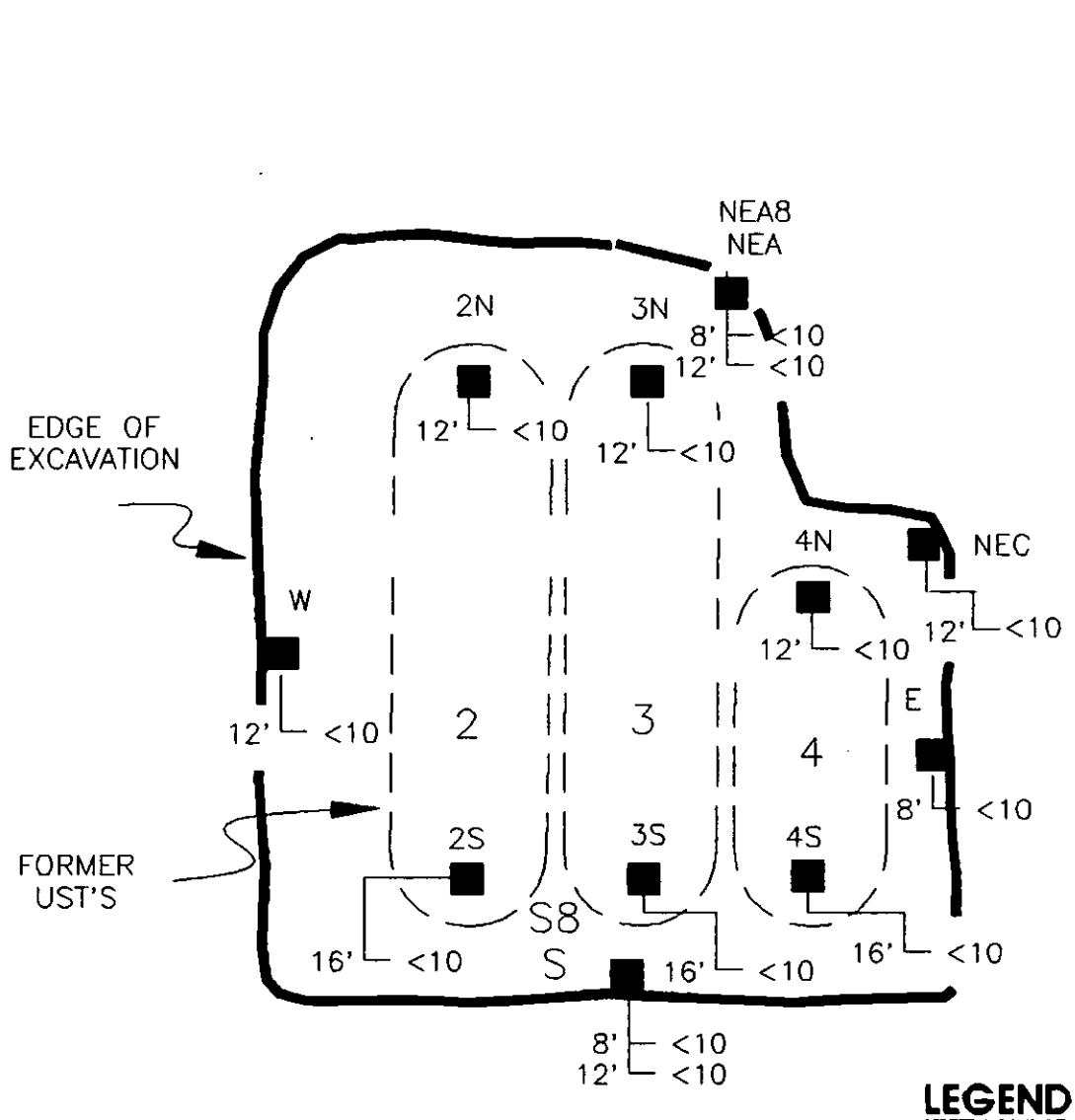
CHEVRON/LA MESA

7651 ALVARADO ROAD

LA MESA, CA

023401525

TPH IN SOIL- USED OIL TANK PIT



LEGEND

SAMPLE LOCATION

ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

DEPTH IN FEET

3' — 270 TPH AS GASOLINE (PPB)
5' — 370 TPH AS GASOLINE (PPB)
7' — 430 TPH AS GASOLINE (PPB)

10 = DETECTION LIMIT

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.

0 10 20

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-TP1

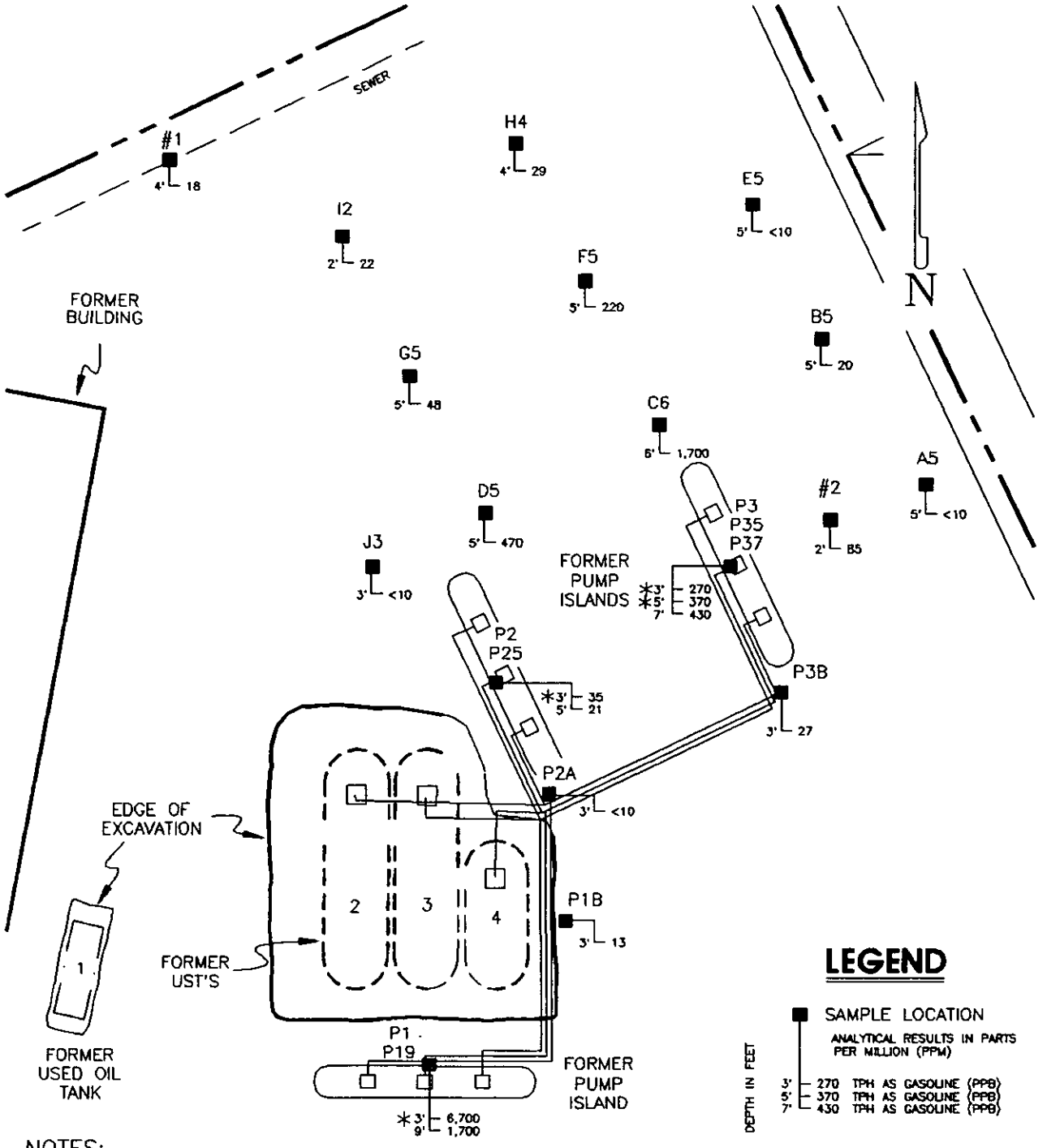
DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
023401525

TPH IN SOIL-
GASOLINE
TANK PIT



LEGEND

SAMPLE LOCATION

ANALYTICAL RESULTS IN PARTS PER MILLION (PPM)

DEPTH IN FEET

3' 270 TPH AS GASOLINE (PPB)
5' 370 TPH AS GASOLINE (PPB)
7' 430 TPH AS GASOLINE (PPB)

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.
3. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
4. * = SAMPLE REPRESENTS EXCAVATED SOIL.

DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023401525

TPH IN SOIL- PUMP ISLANDS, PRODUCT LINES, TEST PITS

GROUNDWATER TECHNOLOGY, INC.

1525-TPP

0 20 40

APPROX SCALE IN FEET

PERMIT # W92595

A.P.N. # 470-020-12

EST # H12687

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: CHEVRON

SITE ADDRESS: 7651 ALVARADO RD, LA MESA, CA

PERMIT FOR: 3 MONITORING WELLS

PERMIT APPROVAL DATE: 02/05/92

PERMIT EXPIRES ON: 06/03/92

PERMIT CONDITIONS:

1. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

2. All wash water must be contained and disposed of properly.

3. Submit complete laboratory data for both soil and groundwater with the well logs.

4. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

5. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

6. This office must be given 48 hour notice of any drilling activity on this site.

7. This office must be given advanced notification of drilling cancellation.

APPROVED BY: Kevin M. Hall DATE: 2/5/92

PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

change of driller to #W92595

ASSESSORS PARCEL NO.	PROPOSED DRILLING DATE	NO. OF WELLS TO BE CONSTRUCTED
470-020-12	3/25/92	3

SITE NAME: Chevron/La Mesa

SITE ADDRESS — STREET: 7651 Alvarado Rd, CITY: La Mesa, ZIP: Calif. 92041

PROPERTY OWNER (NAME): Chevron USA — PHONE NO.: (213) 694-7903

MAILING ADDRESS — STREET: P.O. Box 2833, CITY: La Habra, ZIP: Calif. 90632

DRILLER(NAME): ~~Alan D Luther Jr.~~ Bernard Luther — LICENSE NO.: #~~544260~~ 512010 — PHONE NO.: (714) 727-1217

MAILING ADDRESS — STREET: 32 Mauchly Blvd, CITY: Unit #B, Irvine, ZIP: Cal. 92718

REGISTERED GEOLOGIST/ENGINEERING GEOLOGIST/CIVIL ENGINEER (RG/CEG/RCE): Gary Pischke — REG #: 1501 — PHONE NO.: (619) 453-8415

MAILING ADDRESS — STREET: Groundwtr Tech., CITY: 9940 Mesa Rim Rd, Ste B, ZIP: San Diego, 92121

BOND POSTED: ☒ YES ☐ NO

TYPE OF WELL: ☒ GROUND WATER ☐ BORING ☐ VADOSE ☐ OTHER

DRILLING METHOD: ☒ AUGER ☐ AIR ROTARY ☐ MUD ROTARY ☐ PERCUSSION ☐ OTHER

MATERIALS TO BE USED

CASING
- TYPE: PVC
- GAUGE: Sch 40
- DIAMETER: 4"
- WELL SCREEN SIZE: 0.020"
- FILTER PACK Specify: #3 sand

SEAL
- ☐ NEAT CEMENT
- ☒ CEMENT & BENTONITE
- ☐ OTHER

PROPOSED CONSTRUCTION

Estimated ground water depth 7-8 ft

CEMENT SEAL	0	TO	1
BENTONITE SEAL	1	TO	4
FILTER PACK	4	TO	15
PERFORATION	5	TO	15

NOTE: For wells with multiple completion attach a well construction diagram

I hereby agree to comply with all regualations of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

[signature] — DRILLER SIGNATURE — DATE: 3/26/92 ~~3/23/92~~

Within 30 days of well completion, I will furnish the Department of Health Services with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application

[signature] — RG/CEG/RCE SIGNATURE — DATE: 3/23/92

DISPOSITION OF APPLICATION ☒ APPROVED ☐ DENIED

CONDITIONS: Permit revised for new driller listed above. Same conditions apply as stated on original permit

[signature] — HEALTH OFFICER — DATE: 3/26/92

OFFICE USE ONLY

NUMBER OF WELLS TO BE CONSTRUCTED _____ X $150.00 = $ _____ AMOUNT DUE — ESTABLISHMENT # H12687

CHECK NO. _____ DATE _____ PROCESSED BY _____ PERMIT # W92595 Revised

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
HS:HM-9060 (11/91)

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA. 92186-5261 (619) 338-2222

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well **MW1**

Project *Chevron / La Mesa* Owner *Chevron U.S.A. Products Company*
Location *7651 Alvarado Rd., La Mesa* Project No. *023402346* Date drilled *3/27/92*
Surface Elev. _____ Total Hole Depth *15 ft.* Diameter *0.8 ft.*
Top of Casing *96.07 ft.* Water Level Initial _____ Static *6.46 ft.*
Screen: Dia *4 in.* Length *10 ft.* Type/Size *.020 in.*
Casing: Dia *4 in.* Length *4.5 ft.* Type *Schedule 40 PVC*
Filter Pack Material *#3 lapis lustre* Rig/Core Type *Mobil B61 HDX*
Drilling Company *H.E.M.C. Environmental* Method *Hollow Stem Auger* Permit # *W92595*
Driller *Alan Luther* Log By *Jim Molesworth*
Checked By *Gary Pischke* License No. *CEG 1501*

See Site Map For Boring Location

COMMENTS:

Static water level is measured from top of casing.

Depth (ft.)	Well Completion	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2 to 24						
0						Dark gray clayey gravel with some silt, very moist, no hydrocarbon odor.
4		200	MW1-5 12 17 9		GC	Same as above.
10		380	MW1-10			Same as above. No recovery with split spoon sampler. Grab sample collected.
12						Decrease in drilling rate, increase in cobbles. Stadium Conglomerate.
14		320	MW1-15			Orange/brown COBBLE CONGLOMERATE with clay and silt matrix.
16						End of boring, installed monitoring well.

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well **MW2**

Project *Chevron / La Mesa* Owner *Chevron U.S.A. Products Company*
Location *7651 Alvarado Rd., La Mesa* Project No. *023402346* Date drilled *3/27/92*
Surface Elev. _____ Total Hole Depth *15 ft.* Diameter *0.8 ft.*
Top of Casing *94.35 ft.* Water Level Initial _____ Static *10.61 ft.*
Screen: Dia *4 in.* Length *10 ft.* Type/Size *.020 in.*
Casing: Dia *4 in.* Length *4 ft.* Type *Schedule 40 PVC*
Filter Pack Material *#3 lapis lustre* Rig/Core Type *Mobil B61 HDX*
Drilling Company *H.E.M.C. Environmental* Method *Hollow Stem Auger* Permit # *W92595*
Driller *Alan Luther* Log By *Jim Molesworth*
Checked By *Gary Pischke* License No. *CEG 1501*

See Site Map For Boring Location

COMMENTS:

Static water level is measured from top of casing.

Depth (ft.)	Well Completion	PID (ppm)	Sample ID	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						Dark gray clayey gravel with some silt, very moist, moderate hydrocarbon odor.
2						
4		350	MW1-4		GC	Same as above. Grab sample collected.
6						
8		700	MW1-8			Same as above. Grab sample collected.
10						Decrease in drilling rate, increase in cobbles. Stadium Conglomerate.
12						
14		200	MW1-14			Light gray to brown, COBBLE CONGLOMERATE with clay and silt matrix. One foot of slough at bottom of boring.
16						End of boring, installed monitoring well.
18						
20						
22						
24						

Drilling Log

GROUNDWATER TECHNOLOGY

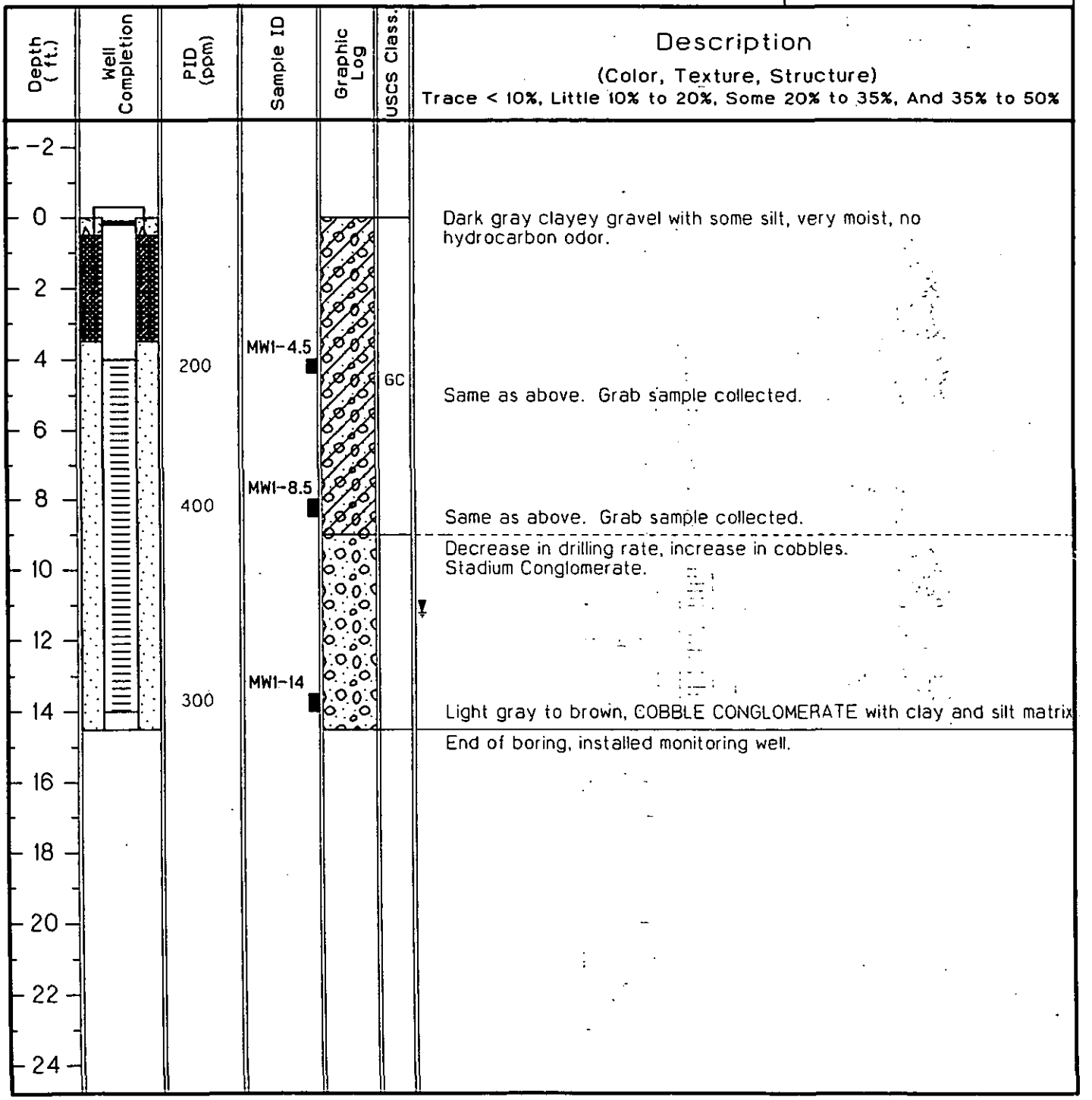
Monitoring Well **MW3**

Project *Chevron / La Mesa* Owner *Chevron U.S.A. Products Company*
Location *7651 Alvarado Rd., La Mesa* Project No. *023402346* Date drilled *3/27/92*
Surface Elev. _____ Total Hole Depth *14.5 ft.* Diameter *0.8 ft.*
Top of Casing *98.27 ft.* Water Level Initial _____ Static *11.22 ft.*
Screen: Dia *4 in.* Length *10 ft.* Type/Size *.020 in.*
Casing: Dia *4 in.* Length *4 ft.* Type *Schedule 40 PVC*
Filter Pack Material *#3 lapis lustre* Rig/Core Type *Mobil B61 HDX*
Drilling Company *H.E.M.C. Environmental* Method *Hollow Stem Auger* Permit # *W92595*
Driller *Alan Luther* Log By *Jim Molesworth*
Checked By *Gary Pischke* License No. *CEG 1501*

See Site Map For Boring Location

COMMENTS:

Static water level is measured from top of casing.



SOIL SAMPLING
TECHNIQUES AND QUALITY ASSURANCE

To prevent cross contamination between samples, the sampler was washed prior to each sampling using the "three bucket" wash system. This system involves:

1. Washing the split-spoon sampler in a TSP and water solution.
2. Rinsing sampler in tap water.
3. Rinsing sampler in distilled water.

To maintain the integrity of each soil sample the following procedures were performed. After extraction soil samples will be:

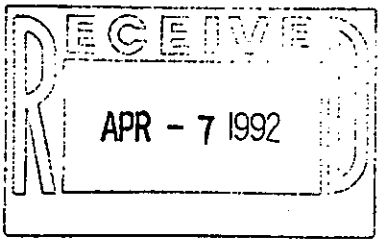
1. Collected in 6-inch brass sample tubes or 8 ounce glass jars.
2. Sealed with foil or teflon caps.
3. Wrapped with duct tape.
4. Properly labeled with complete custody forms.
5. Waterproofed in plastic containers.
6. Placed in a cooler and chilled on ice until analysis.
7. Delivered to a state certified laboratory.

All soil samples were frozen and stored at the laboratory for 30 days in anticipation of the need for subsequent analysis.

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite B
San Diego, CA 92121

Dear Mr Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 3/28/92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		1A	2A	3A	4A
Client Identification		MW1-5	MW1-10	MW2-4	MW2-8
Date Sampled		3/27/92	3/27/92	3/27/92	3/27/92
Date Extracted		3/30/92	3/30/92	3/30/92	3/30/92
Date Analyzed		3/31/92	4/1/92	3/31/92	3/31/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	0.006	0.039	0.14
Toluene	0.005	<0.005	0.008	<0.005	0.13
Ethyl Benzene	0.005	<0.005	0.005	0.026	1.5
Xylene (total)	0.015	<0.015	0.019	0.028	0.74
BTEX (total)	-	--	0.038	0.093	2.5
TPH as Gasoline	10	<10	<10	<10	65

GTEL Sample Number		5A	6A		
Client Identification		MW3-4	MW3-8.5		
Date Sampled		3/27/92	3/27/92		
Date Extracted		3/30/92	3/30/92		
Date Analyzed		3/31/92	3/31/92		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	0.064		
Toluene	0.005	<0.005	0.014		
Ethyl Benzene	0.005	<0.005	0.30		
Xylene (total)	0.015	<0.015	0.90		
BTEX (total)	-	--	1.3		
TPH as Gasoline	10	<10	31		

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A-6A Date of Analysis: 3/31/92-4/1/92

1.0 Blanks

0 of 4 target compounds were found in Reagent blank and gasoline was below detection limit as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 3/31/92

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 3/31/92

Analyte	Expected Result, mg/Kg	Observed Result, mg/Kg	Recovery, %	Acceptability Limits, %[a]
Benzene	150	155	103	75.1-113
Toluene	150	161	107	73.1-121
Ethyl Benzene	150	166	111	70.5-128
Xylene (total)	450	492	109	67.8-140

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	F-0012	Ultra Scientific
Toluene	F-0012	Ultra Scientific
Ethyl Benzene	F-0012	Ultra Scientific
Xylene (total)	F-0012	Ultra Scientific

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, mg/Kg	Surrogate Result, mg/Kg	Surrogate Recovery, %
Blank	100	100	100
1A	100	92.4	92.4
2A	100	100	100
3A	100	76.3	76.3
4A	100	100	100
5A	100	85.1	85.1
6A	100	100	100
SD	100	96.3	96.3
MS	100	98.1	98.1

SD Sample Duplicate
MS Matrix Spike Sample
a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T203921
Report Issue Date: April 2, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 3/31/92
Sample Spiked: 1A
Reference: T203921
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	0.940	55.0	30.9-88.4
Toluene	<0.005	1.71	0.907	53.0	29.3-95.3
Ethyl Benzene	<0.005	1.71	0.971	56.8	33.2-106
Xylene (total)	<0.015	5.13	2.99	58.3	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 3/31/92
Sample Used: 1A
Reference: T203921
Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	NA	30
Toluene	<0.005	<0.005	NA	30
Ethyl Benzene	<0.005	<0.005	NA	30
Xylene (total)	<0.015	<0.015	NA	30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME Chev La Mesa
PROJECT I.D. No. 02340-2346
CONSULTANT NAME Groundwater Technology
ADDRESS 9940 Mesa Rim Road, San Diego
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) Ruben Avilez
(PHONE) (310) 694-7304

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER M16 CSW18860
COLLECTED BY (NAME) Jim Molesworth
(SIGNATURE) [signature]
COLLECTION DATE 3-27-92

CHAIN-OF-CUSTODY RECORD

S
4oc
T2-03-921

Samples on 922 hold to be run (possibly) pending results from the other samples

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	922 REMARKS
MW1-5	921 1A	1	X		X		3-27	8:53		/		X		X							
MW1-10	2A							9:08		/		X		X							
MW1-15								9:22		/											hold 1A
MW2-4	3A							11:52		/		X		X							
MW2-8	4A							12:05		/		X		X							
MW2-14								12:26		/											hold 2A
MW3-4	5A							1:52		/		X		X							
MW3-8.5	6A							2:05		/		X		X							
MW3-14								2:15		/											hold 3A

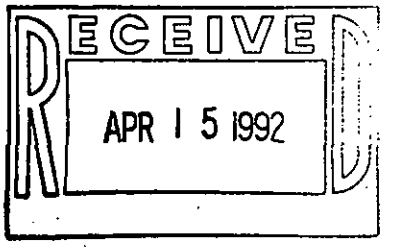
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	GTI	3/27/92 4:45	Fedex 2145952513		
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			[signature]		3-28-92 9:[illegible]

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite #B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-7-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		1A	2A		
Client Identification		MW2-14	MW3-14		
Date Sampled		3-27-92	3-27-92		
Date Extracted		4-8-92	4-8-92		
Date Analyzed		4-8-92	4-9-92		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005		
Toluene	0.005	<0.005	<0.005		
Ethyl Benzene	0.005	0.016	<0.005		
Xylene (total)	0.015	0.020	0.025		
BTEX (total)	-	0.036	0.025		
TPH as Gasoline	10	<10	<10		

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A-2A Date of Analysis: 4/8-9/92

1.0 Blanks

0 of 4 target compounds were found in Reagent blank and gasoline was below detection limit as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-9-92

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-8-92

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[a]
Benzene	150	137	91.3	75.1-113
Toluene	150	142	94.7	73.1-121
Ethyl Benzene	150	144	96.0	70.5-128
Xylene (total)	450	434	96.4	67.8-140

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	F-0012	Ultra Scientific
Toluene	F-0012	Ultra Scientific
Ethyl Benzene	F-0012	Ultra Scientific
Xylene (total)	F-0012	Ultra Scientific

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
1A	100	100	100
2A	100	96.3	96.3

a Acceptability limits are derived from the 99% confidence interval of all samples during the *previous quarter*

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204085
Report Issue Date: April 10, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-9-92
Sample Spiked: 5A
Reference: T204077
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	0.647	37.8	30.9-88.4
Toluene	<0.005	1.71	0.633	37.0	29.3-95.3
Ethyl Benzene	<0.005	1.71	0.680	39.8	33.2-106
Xylene (total)	<0.015	5.13	2.10	40.9	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
< # Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-9-92
Sample Used: 5A
Reference: T204077
Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	NA	30
Toluene	<0.005	<0.005	NA	30
Ethyl Benzene	<0.005	<0.005	NA	30
Xylene (total)	<0.015	<0.015	NA	30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

04/07/92 14:30 ☎619 453 2688 GROUNDWATER TECH +++ GTEL TORRANCE 002/002

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chev La Mesa
PROJECT I.D. No. 12340-2346
CONSULTANT NAME Groundwater Technology
ADDRESS 9940 Mesa Rim Road, San Diego
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) Ruben Auiler
(PHONE) (310) 694-7304

LABORATORY NAME GTEL Torrance
CONTRACT NUMBER 116 CSW18860
COLLECTED BY (NAME) Jim Molesworth
(SIGNATURE)
COLLECTION DATE 3/27-92

CHAIN-OF-CUSTODY RECORD

R-1 #6 1st Shift T203922

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
MW4		1	X		X		3-27	8:53		1	X		X							T2-04-085
MW1-10								9:08		1	X		X							
MW1-15								9:22		1										hold
MW2-11								11:52		1	X		X							
MW2-8								12:05		1	X		X							
MW2-14								12:26		1	X		X	per as per Bill Lines 4/7/92						← hold RUN Bl 04/07/92
MW3-6								1:52		1	X		X							
MW3-8.5								2:05		1	X		X							
MW3-14								2:15		1	X		X							← hold RUN Bl 04/07/92
~~MW4~~																				
																				10 DAY T.A.T Bl

Samples on hold to be run (possibly) pending results from the other samples

REMARKS

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	GTI	3/27/92 4:45	Fedex 214595	2513	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature) Elaine R. Thomas		DATE/TIME 3/28/92

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

LOCATION: La Mesa, California

PROJECT NUMBER: 023402346 DATE: March 31, 1992

PROJECT NAME: CHEVRON SS NO.9-3521 RECORDED BY: Kurt Roby

NO.	DTW	DTH	HT	SWE	ELEV-W	ELEV-H	COMMENTS
MW1	6.53	-	-	96.07	89.54	-	
MW2	DRY	-	-	94.35	DRY	-	
MW3	11.10	-	-	98.27	87.17	-	

DTW - DEPTH TO WATER FROM SURFACE (MEASURED IN FEET)

ELEV-W - RELATIVE ELEVATION OF WATER

ELEV-H - RELATIVE ELEVATION OF HYDROCARBONS

DTH - DEPTH TO HYDROCARBON FROM SURFACE HT - HYDROCARBON THICKNESS

SWE - SURVEYED WELLHEAD ELEVATION

MONITORING DATA

GROUNDWATER TECHNOLOGY

LOCATION: La Mesa, California

PROJECT NUMBER: 023402346 DATE: April 6, 1992

PROJECT NAME: CHEVRON SS NO.9-3521 RECORDED BY: William Lines

NO.	DTW	DTH	HT	SWE	ELEV-W	ELEV-H	COMMENTS
MW1	6.51	-	-	96.07	89.56	-	
MW2	10.57	-	-	94.35	83.78	-	
MW3	11.21	-	-	98.27	87.06	-	

DTW - DEPTH TO WATER FROM SURFACE (MEASURED IN FEET)

ELEV-W - RELATIVE ELEVATION OF WATER

ELEV-H - RELATIVE ELEVATION OF HYDROCARBONS

DTH - DEPTH TO HYDROCARBON FROM SURFACE HT - HYDROCARBON THICKNESS

SWE - SURVEYED WELLHEAD ELEVATION

MONITORING DATA

GROUNDWATER TECHNOLOGY

LOCATION: La Mesa, California

PROJECT NUMBER: 023402346 DATE: April 8, 1992

PROJECT NAME: CHEVRON SS NO.9-3521 RECORDED BY: Dominic Smith

NO.	DTW	DTH	HT	SWE	ELEV-W	ELEV-H	COMMENTS
MW1	6.46	-	-	96.07	89.61	-	
MW2	10.61	-	-	94.35	83.74	-	
MW3	11.22	-	-	98.27	87.05	-	

DTW - DEPTH TO WATER FROM SURFACE (MEASURED IN FEET)

ELEV-W - RELATIVE ELEVATION OF WATER

ELEV-H - RELATIVE ELEVATION OF HYDROCARBONS

DTH - DEPTH TO HYDROCARBON FROM SURFACE HT - HYDROCARBON THICKNESS

SWE - SURVEYED WELLHEAD ELEVATION

MONITORING DATA

GROUNDWATER TECHNOLOGY

Copy #2 – Shipping Order–Short Form–Not Negotiable
(Subject to Terms and Conditions on Reverse)

Shipper

Straight Bill of Lading Short Form Original–Not Negotiable
(Subject to Terms and Conditions on Reverse)

Shipper Perm. Address: **Chevron U.S.A. Inc.**
575 Market Street, San Francisco, CA 94105

No. 1 91127

9-3521

Rec'd at (Origin) 7651 ALVARADO RD, LA MESA CA Date 5/21/92

Carrier HAYDLAW ENVIRONMENTAL

Subject to Section 7 of Conditions

Consignee

Charge To CHEVRON USA
1300 BEACH BLVD
LA HABRA CA.

Ship To CHEVRON REFINERY

Destination EL SEGUNDO

Cross Ref. B/L No.
☐ Prepaid
☐ Collect
F.O.B. ☐ Destination ☐ Origin

Delivered By (Signature in Full)

Received By (Signature and Date)

Commodity Description	Temp.	Gross Gallons
Gasoline, Flammable Liquid, UN 1203 Chevron Regular Gasoline		
Gasoline, Flammable Liquid, UN 1203 Chevron Supreme Unleaded Gasoline		
Gasoline, Flammable Liquid, UN 1203 Chevron Unleaded Gasoline		
GAS + WATER		55 gal
Fuel Oil, No. 2, Combustible Liquid, NA 1993 Pet. Dist. Fuel Oil–Chevron Diesel Fuel No. 2		
Fuel Oil, No. 1, Combustible Liquid, NA 1993 Pet. Dist. Fuel Oil–Chevron Heating Fuel No. 1		
Fuel Oil, No. 2, Combustible Liquid, NA 1993 Pet. Dist. Fuel Oil–Chevron Heating Fuel No. 2		

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Shipper

Seal Nos.

Customer's Order No.

Shipper's Authorized Representative

Equipment No. Trk / Tlr

Carrier certifies that cargo tank is a proper container for the transportation of this commodity under applicable D.O.T. regulations.

Markers Loaded To Trk / Tlr

Signature

Inrage (Inches) Trk / Tlr

Released From Premises | Released From Dock | Started Loading | Sealed Full | Left Assigned To Premises | Scheduled Loading Time | Point to Point Only

Record Trip Miles | Non-Chg. Delay | Chg'd. Delay | Road Driving Time | Total Time Charged | Return Term./Yard | Finish Unloading | Arrive Destination | Started Road | Arrived Load Point | Depart Terminal/Yard

Min.

Meter Number	Product	Meter Reading Finish

Meter Reading Start

Retains: Opening ☐ Closing ☐

Gallons Loaded →

Meter Number	Product	Meter Reading Finish

Meter Reading Start

Retains: Opening ☐ Closing ☐

Gallons Loaded →

Original–Not Negotiable (carrier attach to Freight Bill)

WATER SAMPLING
QUALITY ASSURANCE AND QUALITY CONTROL

To prevent cross contamination between samples, the Teflon™ surface sampler was washed prior to each sampling using the "three bucket" wash system. This system involves:

1. Washing the surface sampler in a TSP and water solution.
2. Double rinsing the sampler in tap water.
3. Double rinsing the sampler in distilled water.

To maintain the integrity of each sample the following procedures were performed.

1. Only collected from developed monitoring wells.
2. Collected with Teflon™ sampling equipment.
3. Secured in air tight laboratory cleaned sampling vesicles (vials, jars, bottles, etc.)
4. Properly labeled with complete custody forms.
5. Placed in a cooler and chilled on ice until analysis.
6. Delivered to a state certified laboratory.

All water samples were refrigerated and stored at the laboratory for 30 days in anticipation of the need for subsequent analysis.

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

RECEIVED
APR 16 1992

Mr. Bill Lines
Groundwater Technology Inc.
9940 Mesa Rim Rd, Suite B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-8-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602[a]/8020/8015[b]

GTEL Sample Number		1A	2A	3A	4A
Client Identification		MW-1	MW-2	MW-3	TB
Date Sampled		4-8-92	4-8-92	4-8-92	4-8-92
Date Analyzed		4-9-92	4-9-92	4-9-92	4-9-92
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.3	<0.3	48	28	<0.3
Toluene	0.3	<0.3	13	5.1	<0.3
Ethyl Benzene	0.3	<0.3	4.6	320	<0.3
Xylene (total)	0.6	<0.6	17	640	4.7
BTEX (total)	-	--	83	990	4.7
TPH as Gasoline	100	<100	800	21000	<100

a 40 CFR, Part 136, Appendix A, 7-1-88 Edition, pp. 282-294
b Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA November 1986; Extraction by EPA Method 5030 (purge and trap); Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

GTEL Sample No. Range: 1A-4A Date of Analysis: 4-9-92

1.0 Blanks

0 of 4 target compounds were found in the Reagent blank and gasoline was below detection limit as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Matrix Spike Duplicate Precision

Relative percent difference (RPD) criterion was met for 4 of 4 compounds in the matrix spike duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Date of Analysis: 4-9-92

Analyte	Concentration, ug/L
Benzene	<0.3
Toluene	<0.3
Ethyl Benzene	<0.3
Xylene (total)	<0.6
TPH as Gasoline	<100

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Date of Analysis: 4-9-92

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[a]
Benzene	150	164	109	75.1-113
Toluene	150	176	117	73.1-121
Ethyl Benzene	150	185	123	70.5-128
Xylene (total)	450	555	123	67.8-140

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Analyte	Lot Number	Source
Benzene	F-0012	Ultra Scientific
Toluene	F-0012	Ultra Scientific
Ethyl Benzene	F-0012	Ultra Scientific
Xylene (total)	F-0012	Ultra Scientific

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
1A	100	114	114
2A	100	109	109
3A	100	272	272*
4A	100	74.4	74.4
MS	100	123	123
MSD	100	114	114

MS Matrix Spike Sample
MSD Matrix Spike Duplicate Sample
a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.
* Matrix effect

Project Number: GTI75.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204120
Report Issue Date: April 14, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Date of Analysis: 4-9-92
Sample Spiked: Water
Reference: T204120
Units: ug/L

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.3	150	150	100	59.1-114
Toluene	<0.3	150	161	107	67.8-112
Ethyl Benzene	<0.3	150	168	112	61.7-138
Xylene (total)	<0.6	450	504	112	71.0-126

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY MATRIX SPIKE DUPLICATE PERCENT RECOVERY
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Water
Modified EPA Method 602/8020/8015

Date of Analysis: 4-9-92
Sample Used: Water
Reference: T204120

Analyte	MS % Recovery	MSD % Recovery	RPD, %	Maximum RPD, %
Benzene	109	100	8.61	30
Toluene	117	107	8.93	30
Ethyl Benzene	123	112	9.36	30
Xylene (total)	123	112	9.36	30

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHV | LA MESA
PROJECT I.D. No. 023402346
CONSULTANT NAME G.T. Inc.
ADDRESS 9940 MESA RIM, SUITE B
PROJECT CONTACT (NAME) BILL LINES
(PHONE) (619) 453-8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) RUBEN AVILES
(PHONE) (310) 694 7304

LABORATORY NAME GTEL TORRANCE
CONTRACT NUMBER M16CSW18860
COLLECTED BY (NAME) DOMINIC SMITH
(SIGNATURE) Dominic Smith
COLLECTION DATE 4/8/92

CHAIN-OF-CUSTODY RECORD

6°C S.
T204120

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	~~DATE~~ TIME	TIME DATE	ACIDIFIED	ICED	MODIFIED EPA 8015 / 8020 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
MW-1	1	2		✓	✓		1120	4/8/92	✓	✓	✓									
MW-2	2	2		✓	✓		1110		✓	✓	✓									
MW-3	3	2		✓	✓		1125		✓	✓	✓									
TB	4	2		✓	✓		1:00	↓	✓	✓	✓									

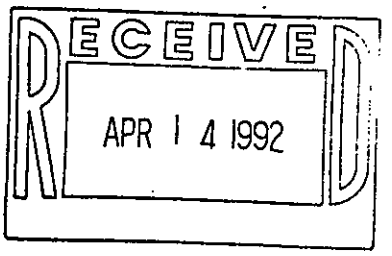
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Dominic Smith	GTI	4/8/92 2:00	Bell Jow	GTEL Mob Labs	4/8/92 1400
Bell Jow	GTEL Mob Labs	4/8/92 2005			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			[signature]		4/8/92 8:05PM

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204137
Report Issue Date: April 10, 1992



Ms. Kathy Gerber
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite #B
San Diego, CA 92121

Dear Ms. Gerber,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-9-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204137
Report Issue Date: April 10, 1992

Table 1

ANALYTICAL RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, mg/Kg[1]
GTEL No.	Client ID				
1	W01-6'	4-7-92	4-7-92	4-7-92	68
2	W02-6'	4-7-92	4-7-92	4-7-92	19
3	W03-5'	4-7-92	4-7-92	4-7-92	24
4	W04-4'	4-7-92	4-7-92	4-7-92	40
5	W05-5'	4-7-92	4-8-92	4-8-92	1500
6	W09-3'	4-8-92	4-8-92	4-8-92	<10
7	W08-4'	4-8-92	4-8-92	4-8-92	19
8	W010-5'	4-8-92	4-8-92	4-8-92	11
9	W011-4'	4-8-92	4-8-92	4-8-92	<10
10	W012-8'	4-8-92	4-8-92	4-8-92	370
11	W013-4'	4-8-92	4-8-92	4-8-92	330
12	W016-11'	4-8-92	4-8-92	4-8-92	690

1 = Method detection limit = 10 mg/Kg; analyte below this level would not be detected.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204137
Report Issue Date: April 10, 1992

QA Conformance Summary

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

GTEL Sample No. Range: 1A-12A Date of Analysis: 4/7-8/92

1.0 Blanks

The method blank was below the detection limit as shown in Table 2.

2.0 Calibration Verification Standards

2.1 The control limits were met for the initial calibration verification standard (ICVS) as shown in Table 3.

3.0 Matrix Spike (MS) Accuracy

The control limits were met for the MS as shown in Table 4.

4.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for the sample duplicate as shown in Table 5.

5.0 Sample Handling

5.1 Sample handling and holding time criteria were met for all samples.

5.2 There were exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204137
Report Issue Date: April 10, 1992

Table 2

METHOD BLANK DATA

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-7-92

Analyte	Concentration, mg/Kg
Petroleum Hydrocarbons	<10

<# = Not detected at the indicated detection limit.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204137
Report Issue Date: April 10, 1992

Table 3

INITIAL CALIBRATION
VERIFICATION STANDARDS RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-7-92

Initial Calibration Verification Standard				
Analyte	Expected Result, mg/L	Observed Result, mg/L	Recovery, %	Acceptability Limits, %[1]
Petroleum Hydrocarbons	25.0	21.5	86.0	80-120

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INITIAL CALIBRATION
VERIFICATION STANDARDS SOURCE
Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Initial Calibration Verification Standard		
Analyte	Lot Number	Source
n-hexadecane	CAS 544-76-3	EM
isooctane	CAS 540-84-1	EM
chlorobenzene	CAS 108-90-7	EM

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204137
Report Issue Date: April 10, 1992

Table 4

MATRIX SPIKE (MS) RECOVERY REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-7-92
Sample Spiked: W02-6' Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Petroleum Hydrocarbons	19.0	83.3	80.0	73.2	40-117

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

< # = Not detected at the indicated detection limit.

Table 5

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-7-92
Sample Used: W02-6' Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Petroleum Hydrocarbons	19.0	22.5	16.9	20

N/A = Not applicable, RPD is not applicable when the sample concentration is less than 5 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Attachment @ Commander Page (1)

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME Chevron / La Mesa
PROJECT I.D. NO.
CONSULTANT NAME Groundwater Technology
ADDRESS Mesa Rim Rd. San Diego, CA
PROJECT CONTACT (NAME) Kathy Gerber
(PHONE) 619-453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) Roger Uhden
(PHONE)

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) D.C. Salter
(SIGNATURE) X
COLLECTION DATE 4/7/92

9°C
T2-04-137 → 138

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	METALS ( )	OTHER	Disposed on site 4/7/92 B Jow		DETECTION LIMIT	REMARKS
WO1-6'	1		X		X		4/7/92	1100		X			X					X			
WO2-6'	2		X		X		4/7	1100		X			X					X			
WO3-5'	3		X		X		4/7	1100		X			X					X			
WO4-4'	4		X		X		4/7	1100		X			X					X			
G1-5'	1	1	X		X		4/7	1105				X		X							
G2-3'	2	1	X		X		4/7	1110				X		X							
G3-5'	3	1	X		X		4/7	1112				X		X							
G4-4'	4	1	X		X		4/7	1115				X		X							
G5-4'	5	1	X		X		4/7	1120				X		X							
G6-5'	6	1	X		X		4/7	1125				X		X							
G7-4'	7	1	X		X		4/7	1130				X		X							
G8-8'	8	1	X		X		4/7	1135				X		X							
G9-6'	9	1	X		X		4/7	1145				X		X							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
D.C. Salter	GTI	1630 4/7/92	Willy W. Walsh	GTEL	4/7/92-1545
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			Elaine R. Thomas		4/9/92 10:00 am

TURN AROUND TIME (CIRCLE CHOICE)
Mobile Lab
24 HRS 5 DAYS
48 HRS 10 DAYS

[redacted] @[redacted] (2)

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME Chevron LA MESA
PROJECT I.D. NO. _____
CONSULTANT NAME Groundwater Tech
ADDRESS Mesa Rim Rd
PROJECT CONTACT (NAME) Kathy Gerber
(PHONE) 619-453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) Roger Ohden
(PHONE) _____

LABORATORY NAME GTEL
CONTRACT NUMBER _____
COLLECTED BY (NAME) D.C. Salter
(SIGNATURE) D.C. Salter
COLLECTION DATE 4/7/92

CHAIN-OF-CUSTODY RECORD

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES + BTXE	EPA 602 AROMATIC VOLATILES + BTXE	METALS ( )	OTHER	Disposed on Site	DETECTION LIMIT	REMARKS
I10-4'	10	1	X		X		4/7/92	1200		X	X		X						
I11-6'	11	1	X		X		4/7	1202		X	X		X						
I12-5'	12	1	X		X		4/7	1205		X	X		X						
I1-6'	13	1	X		X		4/7	1208		X	X		X						
I2-4'	14	1	X		X		4/7	1210		X	X		X						
I3-8'	15	1	X		X		4/7	1212		X	X		X						
I4-8.5'	16	1	X		X		4/7	1215		X	X		X						
I5-3'	17	1	X		X		4/7	1220		X	X		X						
I6-7'	18	1	X		X		4/7	1225		X	X		X						
V05-5'	5		X		X		4/7	1535		X		X					X		
V06-5'	6[2]		X		X		4/7	1540		X		~~X~~ DCS					X		visually contaminated*
V07-3'	7[2]		X		X		4/7	1540		X		~~X~~ DCS					X		visually contaminated*

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	TURN AROUND TIME (CIRCLE CHOICE)
D.C. Salter	GTI	4/7/92 1630	[signature]	GTEL	4-7-92-1545	Mobile Lab
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	24 HRS 5 DAYS
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME	48 HRS 10 DAYS
			Elaine R. Thomas		4/9/92	10:00 Am

* [illegible] these samples

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON / LA MESA
PROJECT I.D. NO.
CONSULTANT NAME Groundwater Technology
ADDRESS Mesa Rim Road, San Diego, Ca.
PROJECT CONTACT (NAME) Kathy Gerber
(PHONE) 619-453-8415
CHEVRON FACILITY NO. 9352
CHEVRON CONTACT (NAME) Roger Linden
(PHONE)

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) D C Salter
(SIGNATURE) D C Salter
COLLECTION DATE 4-8-92

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	ANALYSES TO BE PERFORMED: MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
13-7'	19	1	X		X		4/7/92	1600			X		X							
14-3'	20	1	X		X		4/7	1600			X		X							
15-5'	21	1	X		X		4/7	1605			X		X							
16-6'	22	1	X		X		4/7	1605			X		X							
17-5'	23	1	X		X		4/7	1605			X		X							
18-8'	24	1	X		X		4/7	1605			X		X							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
D C Salter	GTI	4/8/92 1625		GTEL	4/8/92-1615
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			Elaine R. Thomas		4/9/92 10:00a

TURN AROUND TIME (CIRCLE CHOICE)
Mobile Lab. 24 HRS 5 DAYS
48 HRS 10 DAYS

Alvarado & [redacted]

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME: CHEVRON/MESA
PROJECT I.D. NO.:
CONSULTANT NAME: Groundwater Technology
ADDRESS: Mesa Rim Rd., San Diego, Ca.
PROJECT CONTACT (NAME): Kathy Gerber
(PHONE): 619-453-8415
CHEVRON FACILITY NO.: 9-3521
CHEVRON CONTACT (NAME): Roger Undon
(PHONE):

LABORATORY NAME: GTEL
CONTRACT NUMBER:
COLLECTED BY (NAME): D C Salter
(SIGNATURE): DC Salter
COLLECTION DATE: 4-8-92

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	METALS ( )	OTHER	Disposed on site 4/8/92 BJW		DETECTION LIMIT	REMARKS
W09-3'	6	1	X		X		4/8/92	0750					X					X			
W08-4'	7	1	X		X		4/8	0755					X					X			
W010-5'	8	1	X		X		4/8	0800					X					X			
W011-4'	9	1	X		X		4/8	0805					X					X			
W012-8'	10	1	X		X		4/8	0810					X					X			
W013-4'	11	1	X		X		4/8	0815					X					X			
G19-6'	25	1	X		X		4/8	0900				X		X							
G20-4'	26	1	X		X		4/8	0905				X		X							
G21-5'	27	1	X		X		4/8	0910				X		X							
G22-4'	28	1	X		X		4/8	0915				X		X							
G23-4'	29	1	X		X		4/8	1010				X		X							
G24-5'	30	1	X		X		4/8	1300				X		X							
G25-4'	31	1	X		X		4/8	1302				X		X							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	TURN AROUND TIME (CIRCLE CHOICE)
DC Salter	GTI	4/8/92 1625	Willis W. McClell	GTEL	4/8/92-1615	Mobile Lab 24 HRS 5 DAYS 48 HRS 10 DAYS
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME	
			Elaine R. Thomas		4/9/92	10:00a

(5)

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON/LAMESA
PROJECT I.D. NO.
CONSULTANT NAME Groundwater Technology
ADDRESS Mesa Rim Rd., San Diego, Ca.
PROJECT CONTACT (NAME) Kathy Gerber
(PHONE) 619-453-2415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) Roger Urban
(PHONE)

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) D.C. Salter
(SIGNATURE) D.C. Salter
COLLECTION DATE 4-8-92

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES + BTXE	EPA 602 AROMATIC VOLATILES + BTXE	METALS ( )	OTHER	Disposed on site 4/8 (da)		DETECTION LIMIT	REMARKS
G26-5'	32	1	X		X		4/8/92	1302			X		X							
G27-6'	33	1	X		X		4/8	1300			X		X							
G28-5'	34	1	X		X		4/8	1300			X		X							
G29-4'	35	1	X		X		4/8	1300			X		X							
G18A-4'	36	1	X		X		4/8	0900			X		X							
G30-8'	37	1	X		X		4/8	1510			X		X							
G31-5'	38	1	X		X		4/8	1515			X		X							
WO116-W	12	1	X		X		4/8	1530				X					X			

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
D.C. Salter	GTL	4/8/92 1625	Willie W. Mallett	GTEL	4-8-92 1615
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME

TURN AROUND TIME (CIRCLE CHOICE)
Mobile Lab
24 HRS ~~5 DAYS~~
48 HRS 10 DAYS

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

RECEIVED
JUN 8 1992

AMENDED LABORATORY REPORT

CHEVRON (N66CSW23441X)
P.O. BOX 2833
LA HABRA CA 90632

ATTENTION: RUBEN AVILES

DATE SAMPLED : 04/09/92
DATE RECEIVED: 04/09/92
DATE ANALYZED: 04/09/92
SAMPLE MATRIX: SOIL
CLIENT ID :
GEOTEST PROJECT NO.: 92624-17
ANALYSES: 418.1

PROJECT NAME: CHEVRON #9-3521
LOCATION: COMMANCHE AND ALVARADO AVENUES
LA MESA, CA

ANALYSIS OF HYDROCARBON CONTENT BY INFRARED SPECTROMETRY EPA METHOD 418.1

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
WO17-6'	ND	10
WO18-4'	ND	10
WO20-7'	ND	10
WO21-6'	ND	10
WO22-5'	ND	10
WO19-5'	ND	10
WO23-12'	ND	10

ND - Not detected below indicated limit of detection.

Analyst: RV

Reviewed and Approved: [signature]
Report date: 6/5/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
BY INFRARED SPECTROSCOPY

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 92624-17
GEOTEST PROJECT NAME: CHEVRON #9-3521
DATE ANALYZED:04/09/92
SAMPLE MATRIX:SOIL

ELAP Certification #6235
Analyses prep method:
Analyses method:418.1

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	109	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	109	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	100	70 - 130

Checked and Approved: _____

Report Date: 6/15/92

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92624-17
DATE 4/9/92 PAGE 1 OF 3

PROJECT NAME Chevron # 9-3521
ADDRESS Commanche & Alvarado Ave
SAMPLER'S SIGNATURE David C. Salter
PRINTED NAME David C. Salter
CLIENT PROJECT NO.
PROJECT MANAGER K.S. Gerber

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
G32-3	4/9/92	7:20		X		X			S	8P	1	
G33-6		7:20		X		X						
G34-5		7:20		X		X				Plastic Bags		
W017-6'		7:40					X					
W018-4'		7:40					X					
W020-7'		7:40					X					
W021-6'		7:40					X					
W022-5'		7:40					X					
W019-5'		7:40					X					

1 RELINQUISHED BY	DATE 4/9/92	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	SAMPLE CONDITIONS	
SIGNATURE David C. Salter		SIGNATURE		SIGNATURE		RECEIVED ON ICE	(YES/NO)
PRINTED NAME David C. Salter	TIME 18:00	PRINTED NAME	TIME	PRINTED NAME	TIME	CHAIN OF CUSTODY SEAL	YES/(NO)
COMPANY GTI		COMPANY		COMPANY			
4 RECEIVED BY	DATE 4/9/92	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE 4/13/92	PROJECT COMMENTS	
SIGNATURE Allen Mataker		SIGNATURE		SIGNATURE Lionel Rojo			
PRINTED NAME ALLEN MATAKER	TIME 18:00	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME 17:00		
COMPANY GEOTEST		COMPANY		COMPANY			

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92624-17
DATE 4/9/92 PAGE 2 OF 3

PROJECT NAME Chevron #9-3521
ADDRESS Commanche & Alvarado Ave
SAMPLER'S SIGNATURE David C. Salter
PRINTED NAME David C. Salter
CLIENT PROJECT NO.
PROJECT MANAGER K. S. Gerber

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
G35-6'	4/9/92	9:40		X		X			1	2 P.P. Jar	1	
G36-5'		9:40		X		X						
G37-6'		9:40		X		X						
G38-11'		10:35		X		X						
W023-12'		12:15					X			2 P.P. Bag		
G39-5'		13:00		X		X						
G40-4'		13:00		X		X						
G41-5'		14:30		X		X						
G42-5'		14:30		X		X						

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE David C. Salter	4/9/92	SIGNATURE		SIGNATURE	
PRINTED NAME David C. Salter	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GTI	1800	COMPANY		COMPANY	
4 RECEIVED BY	**DATE**	**5 RECEIVED BY**	**DATE**	**6 RECEIVED BY (LAB)**	**DATE**
SIGNATURE Allen Motakef	4/9/92	SIGNATURE		SIGNATURE Lione Rojo	4/13/92
PRINTED NAME ALLEN MOTAKEF	TIME	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME
COMPANY GEOTEST	18:00	COMPANY		COMPANY	17:20

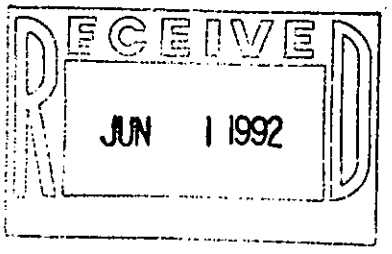
SAMPLE CONDITIONS
RECEIVED ON ICE (YES/NO)
CHAIN OF CUSTODY SEAL YES/(NO)

PROJECT COMMENTS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(310) 371-1044
(800) 727-GTEL
Fax (310) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204121
Report Issue Date: May 27, 1992



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite B
San Diego, CA 92121

Dear Mr. Lines,

This report replaces the previous report dated 4-16-92, due to incorrect Client ID Number. Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-8-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204121
Report Issue Date: May 27, 1992

Table 1

ANALYTICAL RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, mg/Kg[1]
GTEL No.	Client ID				
1A	WO 5,6,7	4-7-92	4-10-92	4-10-92	7800

1 = Method detection limit = 5 mg/Kg; analyte below this level would not be detected.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204121
Report Issue Date: May 27, 1992

QA Conformance Summary

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

GTEL Sample No. Range: 1A Date of Analysis: 4-10-92

1.0 Blanks

The method blank was below the detection limit as shown in Table 2.

2.0 Calibration Verification Standards

2.1 The control limits were met for the initial calibration verification standard (ICVS) as shown in Table 3.

3.0 Matrix Spike (MS) Accuracy

The control limits were met for the MS as shown in Table 4.

4.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for the sample duplicate as shown in Table 5.

5.0 Sample Handling

5.1 Sample handling and holding time criteria were met for all samples.

5.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204121
Report Issue Date: May 27, 1992

Table 2

METHOD BLANK DATA

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-10-92

Analyte	Concentration, mg/Kg
Petroleum Hydrocarbons	<5

<# = Not detected at the indicated detection limit.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204121
Report Issue Date: May 27, 1992

Table 3

INITIAL CALIBRATION
VERIFICATION STANDARDS RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-10-92

Initial Calibration Verification Standard				
Analyte	Expected Result, mg/L	Observed Result, mg/L	Recovery, %	Acceptability Limits, %[1]
Petroleum Hydrocarbons	25.5	22.7	89.0	80-120

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INITIAL CALIBRATION
VERIFICATION STANDARDS SOURCE
Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Initial Calibration Verification Standard		
Analyte	Lot Number	Source
n-hexadecane	CAS 544-76-3	EM
isooctane	CAS 540-84-1	EM
chlorobenzene	CAS 108-90-7	EM

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204121
Report Issue Date: May 27, 1992

Table 4

MATRIX SPIKE (MS) RECOVERY REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-10-92 Reference: T204066
Sample Spiked: 2A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Petroleum Hydrocarbons	<5	72.7	86.5	119	77-124

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

<# = Not detected at the indicated detection limit.

Table 5

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-10-92 Reference: T204066
Sample Used: 2A Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Petroleum Hydrocarbons	<5	7.59	NA	20

N/A = Not applicable, RPD is not applicable when the sample concentration is less than 5 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Pg (3)

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chevron / LA MESA
PROJECT I.D. NO. 023402346
CONSULTANT NAME GROUNDWATER TECH
ADDRESS 9940 Mesa Rim Suite B. San Diego
PROJECT CONTACT (NAME) Bill Lines / Kathy Gerber
(PHONE) (619) 453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) RUBEN AVILEZ / Roger Jhaveri
(PHONE) (310) 694-7304

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) Dave Saltzman
(SIGNATURE)
COLLECTION DATE 4/7/92

CHAIN-OF-CUSTODY RECORD

Stationary Lab

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	ORGANIC METALS (Lead Dist's method)	EPA OTHER 8080 (PCB's only)	EPA 8010 (Chlorinated Solvents)		DETECTION LIMIT	REMARKS
VO 5,6,7		1	X			X	1535	4/7/92	~~+HCl~~	X		X	X		X	X	X			SAN DIEGO County QC protocol

S.
T2-04-121
↓
125

4/21/92

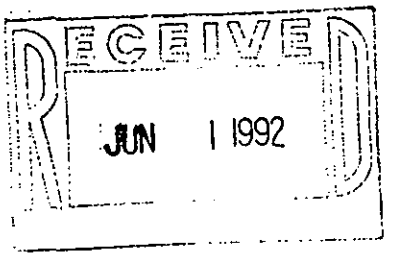
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GTI	4/8/92 1625		GTEL Mob Lab	4-8-92-1615
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Bill Jow	GTEL Mob Lab	4/8/92 2030			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			Elaine R. Thomas		4/8/92 8:30pm

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(310) 371-1044
(800) 727-GTEL
Fax (310) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204122
Report Issue Date: May 27, 1992



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite B
San Diego, CA 92121

Dear Mr. Lines,

This report replaces the previous report dated 4-21-92, due to the incorrect Client ID Number. Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-8-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204122
Report Issue Date: May 27, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics in Soil
Modified EPA Method 8020[a]

GTEL Sample Number		1A*			
Client Identification		WO5,6,7			
Date Sampled		4-7-92			
Date Extracted		4-9-92			
Date Analyzed		4-15-92			
Analyte	Detection Limit, mg/kg	Concentration, mg/kg[b]			
Benzene	0.005	<0.05			
Toluene	0.005	<0.05			
Ethyl Benzene	0.005	<0.05			
Xylene (total)	0.015	0.23			
BTEX (total)	-	0.23			

a Test Method for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA November 1986; Extraction by EPA Methods 3550 and 5030
b Concentrations calculated on a wet basis.
* Detection limit increased due to matrix effect (foaming).

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204122
Report Issue Date: May 27, 1992

QA Conformance Summary

Purgeable Aromatics in Soil
Modified EPA Method 8020

GTEL Sample No. Range: 1A Date of Analysis: 4-15-92

1.0 Blanks

0 of 4 target compounds were found in Reagent blank as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for 4 of 4 compounds in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204122
Report Issue Date: May 27, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics in Soil
Modified EPA Method 8020

Date of Analysis: 4-15-92

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics in Soil
Modified EPA Method 8020

Date of Analysis: 4-15-92

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[a]
Benzene	150	125	83.3	75.1-112
Toluene	150	127	84.7	73.1-121
Ethyl Benzene	150	131	87.3	70.5-128
Xylene (total)	450	392	87.1	67.8-140

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics in Soil
Modified EPA Method 8020

Analyte	Lot Number	Source
Benzene	F-0012	Ultra Scientific
Toluene	F-0012	Ultra Scientific
Ethyl Benzene	F-0012	Ultra Scientific
Xylene (total)	F-0012	Ultra Scientific

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204122
Report Issue Date: May 27, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics in Soil
Modified EPA Method 8020

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
1A	100	90.0	90.0

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204122
Report Issue Date: May 27, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics in Soil
Modified EPA Method 8020

Date of Analysis: 4-16-92
Sample Spiked: 9A
Reference: T204238
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	0.685	40.1	30.9-88.4
Toluene	<0.005	1.71	0.736	43.0	29.3-95.3
Ethyl Benzene	<0.005	1.71	0.793	46.4	33.2-106
Xylene (total)	<0.015	5.13	2.31	45.0	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY SAMPLE DUPLICATE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics in Soil
Modified EPA Method 8020

Date of Analysis: 4-16-92
Sample Used: 9A
Reference: T204238
Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	NA	30
Toluene	<0.005	<0.005	NA	30
Ethyl Benzene	<0.005	<0.005	NA	30
Xylene (total)	<0.015	<0.015	NA	30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHAIN-OF-CUSTODY RECORD

Statiacey Lab

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME Chevron / LA MESA
PROJECT I.D. NO. 02340 2346
CONSULTANT NAME GROUNDWATER TECH
ADDRESS 9940 Mesa Rim Suite B. San Diego
PROJECT CONTACT (NAME) Bill Lines / Kathy Gerber
(PHONE) (619) 453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) RUBEN AVILEZ / Roger Ohden
(PHONE) (310) 694-7304

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) Dave Saltzman
(SIGNATURE)
COLLECTION DATE 4/7/92

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES + BTXE	EPA 602 AROMATIC VOLATILES + BTXE	ORGANIC METALS (Lead Dist. method)	EPA OTHER 8080 (PCBs only)	EPA 8010 (chlorinated Solvents)		DETECTION LIMIT	REMARKS
10 5,6,7		1	X			X	1535	4/7/92	~~15~~	X		X	X		X	X	X			SAN DIEGO County QC protocol

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T2-04-121
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4/21/92

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GTI	4/8/92 1625		GTEL Mob Lab	4-8-92-1615
RELINQUISHED BY (Signature) Bill Low	ORGANIZATION GTEL Mob Lab	DATE/TIME 4/8/92 2030	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature) Elaine R. Thomas		DATE/TIME 4/8/92 8:30pm

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(310) 371-1044
(800) 727-GTEL
Fax (310) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204124
Report Issue Date: May 27, 1992

RECEIVED
JUN 1 1992

Mr. Bill Lines
Groundwater Technology, Inc
9940 Mesa Rim Rd., Suite B
San Diego, CA 92121

Dear Mr. Lines,

This report replaces the previous report dated 4-22-92, due to the incorrect Client ID Number. Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-8-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204124
Report Issue Date: May 27, 1992

Table 1

ANALYTICAL RESULTS

PCBs in Soil
EPA Method 8080[a]

GTEL Sample Number		1A			
Client Identification		WO5,6,7			
Date Sampled		4-7-92			
Date Extracted		4-10-92			
Date Analyzed		4-15-92			
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
PCBs-1221	0.1	<0.1			
PCBs-1232	0.1	<0.1			
PCBs-1242 (1016)	0.1	<0.1			
PCBs-1248	0.1	<0.1			
PCBs-1254	0.1	<0.1			
PCBs-1260	0.1	<0.1			

a = Test Methods for Evaluating Solid Waste,SW-846, Third Edition, Revision O, US EPA November 1986; Extraction by EPA Method 3550 (sonication).

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204124
Report Issue Date: May 27, 1992

QA Conformance Summary

PCBs in Soil
EPA Method 8080

GTEL Sample No. Range: 1A Date of Analysis: 4-15-92

1.0 Blanks

The Reagent blank was below the detection limit as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for PCBs in the aqueous independent QC check sample as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were not met for the surrogate compound (Methoxychlor) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for PCBs in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for PCBs in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204124
Report Issue Date: May 27, 1992

Table 2

REAGENT BLANK DATA

PCBs in Soil
EPA Method 8080

Date of Analysis: 4-15-92

Analyte	Concentration, mg/kg
PCBs-1221	<0.1
PCBs-1232	<0.1
PCBs-1242 (1016)	<0.1
PCBs-1248	<0.1
PCBs-1254	<0.1
PCBs-1260	<0.1

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204124
Report Issue Date: May 27, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

PCBs in Soil
EPA Method 8080

Date of Analysis: 4-15-92

Analyte	Expected Result, ug/mL	Observed Result, ug/mL	Recovery, %	Acceptability Limits, %[1]
PCBs-1232	2.00	2.08	104	80-120

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

PCBs in Soil
EPA Method 8080

Analyte	Lot Number	Source
PCBs-1232	LA 28713	SUPELCO

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204124
Report Issue Date: May 27, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Hexachlorobenzene

PCBs in Soil
EPA Method 8080

Acceptability Limits[1]: 80 - 120 %

GTEL No.	Expected Result, ug/mL	Surrogate Result, ug/mL	Surrogate Recovery, %
Blank	100	100	100
1A	100	204	204*
MS	100	113	113
MSD	100	106	106

MS = Matrix Spike Sample
MSD = Matrix Spike Duplicate Sample
Source: Ultra Scientific, Lot #:STS-110
* = Matrix effect

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204124
Report Issue Date: May 27, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

PCBs in Soil
Method 8080

Date of Analysis: 4-15-92
Sample Spiked: Sand
Reference: T204124
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
PCBs 1232	<0.1	1.00	0.597	59.7	10-215

1 = Acceptability limits are adapted from Test Methods for Evaluating Solid Waste SW-846, Method 8080.
<# = Not detected at the indicated detection limit.

Table 6

LABORATORY MATRIX SPIKE DUPLICATE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

PCBs in Soil

EPA Method 8080

Date of Analysis: 4-15-92
Sample Used: Sand
Reference: T204124
Units: mg/Kg

Analyte	Matrix Spike Result	Matrix Spike Duplicate Result	RPD, %	Maximum RPD, %
PCBs-1232	0.597	0.637	6.48	30

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chevron / LA MESA
PROJECT I.D. NO. 023402346
CONSULTANT NAME GROUNDWATER TECH
ADDRESS 9940 Mesa Rim Suite B. San Diego
PROJECT CONTACT (NAME) Bill Lines / Kathy Gerbor
(PHONE) (619) 453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) Ruben Avilez / Roger Ohden
(PHONE) (310) 694-7304

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) Dave Saltzgaber
(SIGNATURE)
COLLECTION DATE 4/7/92

CHAIN-OF-CUSTODY RECORD

Stationary Lab

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	ORGANIC METALS (Lead Dist's method)	EPA OTHER 8080 (PCB's only)	EPA 8010 (Chlorinated Solvents)	†	DETECTION LIMIT	REMARKS
5,6,7		1	X			X	1535	4/7/92	HCl	X		X	X		X	X	X			SAN DIEGO County QC protocol

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4/21/92

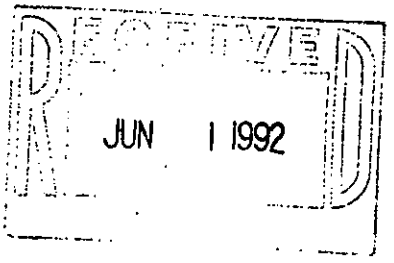
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GTE	4/8/92 1625		GTEL Mob Lab	4-892-1615
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GTEL Mob Lab	4/8/92 2030			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			Elaine R. Thomas		4/8/92 8:30pm

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(310) 371-1044
(800) 727-GTEL
Fax (310) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204123
Report Issue Date: May 27, 1992



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite #B
San Diego, CA 92121

Dear Mr. Lines,

This report replaces the previous report dated 4-20-92, due to the incorrect Client ID Number. Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-8-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204123
Report Issue Date: May 27, 1992

Table 1

ANALYTICAL RESULTS

Total Organo Lead in Soil by Flame AA
DHS Method

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, mg/Kg[2]
GTEL No.	Client ID				
1A	WO 5,6,7	4-7-92	4-17-92	4-17-92	1.7

1 = Extraction by DHS Method
2 = Method detection limit = 0.5 mg/Kg; analyte below this level would not be detected.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204123
Report Issue Date: May 27, 1992

QA Conformance Summary

Total Organo Lead in Soil by Flame AA
DHS Method

GTEL Sample No. Range: 1A Date of Analysis: 4-17-92

1.0 Blanks

The method blank was below the detection limit as shown in Table 2.

2.0 Calibration Verification Standards

2.1 The control limits were met for the initial calibration verification standard (ICVS) as shown in Table 3.

3.0 Matrix Spike (MS) Accuracy

The control limits were met for 1 of 1 elements in the MS as shown in Table 4.

4.0 Sample Duplicate Precision

Relative percent difference criterion was met for the sample duplicate as shown in Table 5.

5.0 Sample Handling

5.1 Sample handling and holding time criteria were met for all samples.

6.1 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204123
Report Issue Date: May 27, 1992

Table 2

METHOD BLANK DATA

Total Organo Lead in Soil by Flame AA
DHS Method

Date of Analysis: 4-17-92

Analyte	Concentration, mg/Kg
Total Organo Lead	<0.5

<# = Not detected at the indicated detection limit.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204123
Report Issue Date: May 27, 1992

Table 3

INITIAL CALIBRATION
VERIFICATION STANDARDS RESULTS

Total Organo Lead in Soil by Flame AA
DHS Method

Date of Analysis: 4-17-92

Initial Calibration Verification Standard				
Analyte	Expected Result, ug/ml	Observed Result, ug/ml	Recovery, %	Acceptability Limits, %[1]
Total Organo Lead	0.500	0.526	105	80-120

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INITIAL CALIBRATION
VERIFICATION STANDARDS SOURCE

Total Organo Lead In Soil by Flame AA
DHS Method

Initial Calibration Verification Standard		
Analyte	Lot Number	Source
Total Organo Lead	2308-1	J.T. Baker

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204123
Report Issue Date: May 27, 1992

Table 4

MATRIX SPIKE (MS) RECOVERY REPORT

Total Organo Lead in Soil by Flame AA
DHS Method

Date of Analysis: 4-17-92 Client ID: WD 5,6,7
Sample Spiked: 1A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Total Organo Lead	1.70	1.26	2.83	89.7	65-120

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

<# = Not detected at the indicated detection limit.

Table 5

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Total Organo Lead in Soil by Flame AA
DHS Method

Date of Analysis: 4-17-92 Client ID: WD 5,6,7
Sample Used: 1A Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Total Organo Lead	1.70	1.73	NA	20

N/A = Not applicable, RPD is not applicable when the sample concentration is less than 5 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHAIN-OF-CUSTODY RECORD

Stationary Lab

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME Chevron / La MESA
PROJECT I.D. NO. 023402346
CONSULTANT NAME GROUNDWATER TECH
ADDRESS 9940 Mesa Rim Suite B. San Diego
PROJECT CONTACT (NAME) Bill Lines / Kathy Gerber
(PHONE) (619) 453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) RUBEN AVILEZ / Roger Ohden
(PHONE) (310) 694-7304

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) Dave Saltmen
(SIGNATURE)
COLLECTION DATE 4/7/92

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	ORGANIC METALS (Lead DHS method)	EPA 8080 OTHER (PCBs only)	EPA 8010 (Substituted Solvents)		DETECTION LIMIT	REMARKS
10 5,6,7		1	X			X	1535	4/7/92	~~HP~~	X		X	X		X	X	X			SAN DIEGO County QC protocol

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T2-04-121
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4/8/1992

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GTI	4/8/92 1625		GTEL Mob Lab	4-8-92-1615
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Bill Jow	GTEL Mob Lab	4/8/92 2030			
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			Elaine R. Thomas		4/8/92 8:30pm

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204125
Report Issue Date: April 22, 1992

RECEIVED
APR 2 4 1992

Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite #B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-8-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Sincerely,
GTEL Environmental Laboratories, Inc.
Minsoon Song
Laboratory Director
cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204125
Report Issue Date: April 22, 1992

Table 1

ANALYTICAL RESULTS

Halogenated Volatile Organics in Soil
EPA Method 8010[a]

GTEL Sample Number		1A			
Client Identification		WO 5,6,7			
Date Sampled		4-7-92			
Date Extracted		4-13-92			
Date Analyzed		4-14-92			
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Chloromethane	0.5	<0.5			
Bromomethane	0.5	<0.5			
Vinyl chloride	1.0	<1.0			
Chloroethane	0.5	<0.5			
Methylene Chloride	0.5	<0.5			
1,1-Dichloroethene	0.2	<0.2			
1,1-Dichloroethane	0.5	<0.5			
trans-1,2-Dichloroethene	0.5	<0.5			
Chloroform	0.5	<0.5			
1,2-Dichloroethane	0.5	<0.5			
1,1,1-Trichloroethane	0.5	<0.5			
Carbon Tetrachloride	0.5	<0.5			
Bromodichloromethane	0.5	<0.5			
1,2-Dichloropropane	0.5	<0.5			
cis-1,3-Dichloropropene	0.5	<0.5			
Trichloroethene	0.5	<0.5			
Dichlorodifluoromethane	0.5	<0.5			
Dibromochloromethane	0.5	<0.5			
1,1,2-Trichloroethane	0.5	<0.5			
trans-1,3-Dichloropropene	0.5	<0.5			
2-Chloroethylvinyl Ether	1.0	<1.0			

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986; Methanolic extraction by EPA Method 5030 (purge and trap).

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204125
Report Issue Date: April 22, 1992

Table 1 con't

ANALYTICAL RESULTS

Halogenated Volatile Organics in Soil
EPA Method 8010[a]

GTEL Sample Number		1A			
Client Identification		WO 5,6,7			
Date Sampled		4-7-92			
Date Extracted		4-13-92			
Date Analyzed		4-14-92			
Analyte	Detection Limit, mg/kg	Concentration, mg/kg			
Bromoform	0.5	<0.5			
Tetrachloroethene	0.5	<0.5			
1,1,2,2-Tetrachloroethane	0.5	<0.5			
Chlorobenzene	0.5	<0.5			
1,2-Dichlorobenzene	0.5	<0.5			
1,3-Dichlorobenzene	0.5	<0.5			
1,4-Dichlorobenzene	0.5	<0.5			
Trichlorofluoromethane	0.5	<0.5			
Detection Limit Multiplier		1			

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986; Methanolic extraction by EPA Method 5030 (purge and trap).

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204125
Report Issue Date: April 22, 1992

QA Conformance Summary

Halogenated Volatile Organics in Soil
EPA Method 8010[a]

GTEL Sample No. Range: 1A Date of Analysis: 4-14-92

1.0 Blanks

0 of 29 target compounds found in Reagent blank as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 8 out of 8 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (1.4-Dichlorobutane) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 8 of 8 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criteria was met for 8 of 8 compounds in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204125
Report Issue Date: April 22, 1992

Table 2

REAGENT BLANK DATA

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 4-14-92

Analyte	Concentration, mg/kg
Bromodichloromethane	<0.5
Bromoform	<0.5
Bromomethane	<0.5
Carbon tetrachloride	<0.5
Chlorobenzene	<0.5
Chloroethane	<0.5
2-Chloroethylvinyl ether	<1.0
Chloroform	<0.5
Chloromethane	<0.5
Dibromochloromethane	<0.5
1,2-Dichlorobenzene	<0.5
1,3-Dichlorobenzene	<0.5
1,4-Dichlorobenzene	<0.5
Dichlorodifluoromethane	<0.5
1,1-Dichloroethane	<0.5
1,2-Dichloroethane	<0.5
1,1-Dichloroethene	<0.2
trans-1,2-Dichloroethene	<0.5
1,2-Dichloropropane	<0.5
cis-1,3-Dichloropeopene	<0.5
trans-1,3-Dichloropeopene	<0.5

Table 2 (continue)

REAGENT BLANK DATA

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 4-14-92

Analyte	Concentration, mg/kg
Methylene chloride	<0.5
1,1,2,2-Tetrachloroethane	<0.5
Tetrachloroethene	<0.5
1,1,1-Trichloroethane	<0.5
1,1,2-Trichloroethane	<0.5
Trichloroethene	<0.5
Trichlorofluoromethane	<0.5
Vinyl Chloride	<1.0

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204125
Report Issue Date: April 22, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 4-14-92

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[a]
1,1-Dichloro-ethane	25.0	24.3	97.2	84.0-116
Chloroform	25.0	21.6	86.4	75.0-125
Carbon Tetrachloride	25.0	27.5	110	68.5-132
Trichloroethene	25.0	28.0	112	77.0-123
Tetrachloroethene	25.0	27.7	111	70.0-130
Chlorobenzene	25.0	25.0	100	72.0-128
Dibromochloro methane	25.0	26.2	105	65.5-135
1,2-Dichloro-ethane	25.0	27.2	109	71.5-129

a Acceptability limits are adapted from EPA Method 8010,SW-846 Test Method for Evaluating Solid Waste.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204125
Report Issue Date: April 22, 1992

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Halocarbons in Soil
EPA Method 8010

Analyte	Lot Number	Source
1,1-Dichloro-ethane	LA 28689	Supelco
Chloroform	LA 28689	Supelco
Carbon Tetrachloride	LA 28689	Supelco
Trichlorothene	LA 28689	Supelco
Tetrachloroethene	LA 28689	Supelco
Chlorobenzene	LA 28689	Supelco
Dibromochloromethane	LA 28689	Supelco
1,2-Dichloro-ethane	LA 30216	Supelco

Table 4

SURROGATE COMPOUND RECOVERY

1.4-Dichlorobutane

Purgeable Halocarbons in Soil
EPA Method 8010

Acceptability Limits[a]: 80 - 120 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
1A	100	109	109

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204125
Report Issue Date: April 22, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 4-14-92
Sample Spiked: 1A
Reference: T204150
Units: mg/kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
1,1-Dichloroethane	<0.5	1.43	0.719	50.3	47-132
Chloroform	<0.5	1.43	0.758	53.0	49-133
Carbon Tetrachloride	<0.5	1.43	0.806	56.4	43-143
Trichloroethene	<0.5	1.43	1.15	80.4	35-146
Tetrachloroethene	<0.5	1.43	0.827	57.8	26-162
Chlorobenzene	<0.5	1.43	0.939	65.7	38-150
Dibromochloromethane	<0.5	1.43	0.983	68.7	24-191
1,2-Dichloroethane	<0.5	1.43	0.933	65.2	51-147

a Acceptability limits are adapted from EPA Method 8010, SW-846 Test Method for evaluating Solid Waste.
ND Not detected above the statistical detection limit.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204125
Report Issue Date: April 22, 1992

Table 6

SAMPLE AND SAMPLE DUPLICATE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Halocarbons in Soil
EPA Method 8010

Date of Analysis: 4-14-92
Sample Used: 1A
Reference: T204150
Units mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
1,1-Dichloroethane	<0.5	<0.5	NA	30
Chloroform	<0.5	<0.5	NA	30
Carbon Tetrachloride	<0.5	<0.5	NA	30
Trichloroethene	<0.5	<0.5	NA	30
Tetrachloroethene	<0.5	<0.5	NA	30
Chlorobenzene	<0.5	<0.5	NA	30
Dibromochloromethane	<0.5	<0.5	NA	30
1,2-Dichloroethane	<0.5	<0.5	NA	30

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHAIN-OF-CUSTODY RECORD

Stationary Lab

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chevron / La MESA
PROJECT I.D. NO. 023402346
CONSULTANT NAME GROUNDWATER TECH
ADDRESS 9940 Mesa RIM Suite B. San Diego
PROJECT CONTACT (NAME) Bill LINES / Kathy Gerber
(PHONE) (619) 453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) RUBEN AVILEZ / Roger Ohden
(PHONE) (310) 694-7304

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) Dave Saltzman
(SIGNATURE)
COLLECTION DATE 4/7/92

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	ORGANIC METALS (Lead DHS method)	EPA OTHER 8080 (PCBs only)	EPA 8010 (Chlorinated Solvents)		DETECTION LIMIT	REMARKS
10 5,6,7		1	X			X	1535	4/7/92	~~for~~	X		X	X		X	X	X	X		SAN DIEGO County QC protocol

S.
T2-04-121
↓
125

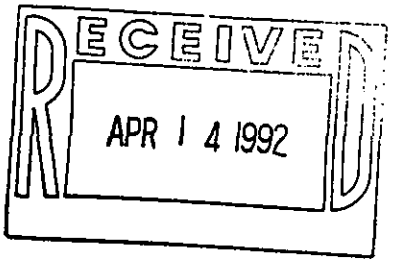
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	GTI	4/8/92 1625		GTEL Mob Lab	4-8-92-1615
RELINQUISHED BY (Signature) Bill Jow	ORGANIZATION GTEL Mob Lab	DATE/TIME 4/8/92 2030	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature) Elaine R. Thomas		DATE/TIME 4/8/92 8:30pm

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992



Ms. Kathy Gerber
Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite #B
San Diego, CA 92121

Dear Ms. Gerber,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-9-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Roger Uhden

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		1A	2A	3A	4A
Client Identification		G1-5'	G2-3'	G3-5'	G4-4'
Date Sampled		4-7-92	4-7-92	4-7-92	4-7-92
Date Extracted		4-7-92	4-7-92	4-7-92	4-7-92
Date Analyzed		4-7-92	4-7-92	4-7-92	4-7-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.015	<1.0	0.009	0.060
Toluene	0.005	0.015	6.8	0.010	0.017
Ethyl Benzene	0.005	0.032	28	0.014	0.13
Xylene (total)	0.015	0.10	160	0.046	0.31
BTEX (total)	-	0.16	190	0.079	0.52
TPH as Gasoline	10	<10	2500	<10	<10

GTEL Sample Number		5A	6A	7A	8A
Client Identification		G5-4'	G6-5'	G7-4'	G8-8'
Date Sampled		4-7-92	4-7-92	4-7-92	4-7-92
Date Extracted		4-7-92	4-7-92	4-7-92	4-7-92
Date Analyzed		4-7-92	4-7-92	4-7-92	4-7-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.050	0.008	0.090	<0.005
Toluene	0.005	0.073	0.017	0.061	0.017
Ethyl Benzene	0.005	1.6	0.021	0.060	0.011
Xylene (total)	0.015	5.4	0.073	0.87	0.060
BTEX (total)	-	7.1	0.12	1.6	0.088
TPH as Gasoline	10	130	<10	17	<10

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		9A	10A	11A	12A
Client Identification		G9-6'	G10-4'	G11-6'	G12-5'
Date Sampled		4-7-92	4-7-92	4-7-92	4-7-92
Date Extracted		4-7-92	4-7-92	4-7-92	4-7-92
Date Analyzed		4-7-92	4-7-92	4-7-92	4-7-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	4.1	0.048	0.051	0.54
Toluene	0.005	66	1.0	0.14	10
Ethyl Benzene	0.005	35	0.97	0.15	8.4
Xylene (total)	0.015	200	16	1.1	47
BTEX (total)	-	310	18	1.4	66
TPH as Gasoline	10	1400	100	<10	390

GTEL Sample Number		13A	14A	15A	16A
Client Identification		I1-6'	I2-4'	I3-8'	I4-8.5'
Date Sampled		4-7-92	4-7-92	4-7-92	4-7-92
Date Extracted		4-7-92	4-7-92	4-7-92	4-7-92
Date Analyzed		4-7-92	4-7-92	4-8-92	4-8-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	0.009	0.005	0.006	0.007
Ethyl Benzene	0.005	0.005	<0.005	<0.005	<0.005
Xylene (total)	0.015	0.020	<0.015	<0.015	<0.015
BTEX (total)	-	0.034	0.005	0.006	0.007
TPH as Gasoline	10	<10	<10	<10	<10

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		17A	18A	19A	20A
Client Identification		I5-3'	I6-7'	G13-7'	G14-3'
Date Sampled		4-7-92	4-7-92	4-7-92	4-7-92
Date Extracted		4-7-92	4-7-92	4-8-92	4-8-92
Date Analyzed		4-8-92	4-8-92	4-8-92	4-8-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	<0.005	<0.005	0.41
Toluene	0.005	0.007	0.006	0.011	3.1
Ethyl Benzene	0.005	<0.005	<0.005	0.007	2.6
Xylene (total)	0.015	<0.015	<0.015	0.043	11
BTEX (total)	-	0.007	0.006	0.061	17
TPH as Gasoline	10	<10	<10	<10	100

GTEL Sample Number		21A	22A	23A	24A
Client Identification		G15-5'	G16-6'	G17-5'	G18-8'
Date Sampled		4-7-92	4-7-92	4-7-92	4-7-92
Date Extracted		4-8-92	4-8-92	4-8-92	4-8-92
Date Analyzed		4-8-92	4-8-92	4-8-92	4-8-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.63	0.006	0.47	<0.005
Toluene	0.005	0.89	0.015	0.19	0.015
Ethyl Benzene	0.005	7.0	0.021	2.1	0.007
Xylene (total)	0.015	30	0.11	9.7	0.053
BTEX (total)	-	39	0.34	12	0.075
TPH as Gasoline	10	230	<10	54	<10

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		25A	26A	27A	28A
Client Identification		G19-6'	G20-4'	G21-5'	G22-4'
Date Sampled		4-8-92	4-8-92	4-8-92	4-8-92
Date Extracted		4-8-92	4-8-92	4-8-92	4-8-92
Date Analyzed		4-8-92	4-8-92	4-8-92	4-8-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.043	0.69	0.041	0.069
Toluene	0.005	0.022	0.66	0.005	0.063
Ethyl Benzene	0.005	0.36	3.6	0.12	0.96
Xylene (total)	0.015	0.18	4.5	0.20	1.5
BTEX (total)	-	0.61	9.5	0.37	2.6
TPH as Gasoline	10	17	410	11	34

GTEL Sample Number		29A	30A	31A	32A
Client Identification		G23-9'	G24-5'	G25-4'	G26-5'
Date Sampled		4-8-92	4-8-92	4-8-92	4-8-92
Date Extracted		4-8-92	4-8-92	4-8-92	4-8-92
Date Analyzed		4-8-92	4-8-92	4-8-92	4-8-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	0.010	0.16	<0.005
Toluene	0.005	<0.005	<0.005	0.15	<0.005
Ethyl Benzene	0.005	<0.005	0.008	0.17	<0.005
Xylene (total)	0.015	<0.015	0.029	1.2	0.041
BTEX (total)	-	--	0.047	1.7	0.041
TPH as Gasoline	10	<10	<10	32	<10

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition; Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		33A	34A	35A	36A
Client Identification		G27-6'	G28-5'	G29-4'	G18A-4'
Date Sampled		4-8-92	4-8-92	4-8-92	4-8-92
Date Extracted		4-8-92	4-8-92	4-8-92	4-8-92
Date Analyzed		4-8-92	4-8-92	4-8-92	4-8-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	0.52	0.42	1.9	0.38
Toluene	0.005	0.54	4.0	8.3	<0.02
Ethyl Benzene	0.005	5.5	2.7	16	3.3
Xylene (total)	0.015	21	18	86	4.9
BTEX (total)	-	28	25	110	8.6
TPH as Gasoline	10	530	110	780	77

GTEL Sample Number		37A	38A		
Client Identification		G30-8'	G31-5'		
Date Sampled		4-8-92	4-8-92		
Date Extracted		4-8-92	4-8-92		
Date Analyzed		4-8-92	4-8-92		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.25	<0.1		
Toluene	0.005	0.31	0.31		
Ethyl Benzene	0.005	3.8	2.6		
Xylene (total)	0.015	11	2.3		
BTEX (total)	-	15	5.2		
TPH as Gasoline	10	510	350		

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons as Gasoline in Soil EPA Method 8020/8015

GTEL Sample No. Range: 1A-38A Date of Analysis: 4/7-8/92

1.0 Blanks

1 of 4 target compounds found in Reagent blank and the Reagent blank was below detection limit for gasoline as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criteria was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-7-92

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	0.007
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-7-92

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[1]
Benzene	50.0	52.6	105	75.1-113
Toluene	50.0	54.6	109	73.1-121
Ethyl Benzene	50.0	55.7	111	70.5-128
Xylene (total)	150	171	114	67.8-140

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	LA27016	Supelco
Toluene	LA27016	Supelco
Ethyl Benzene	LA27016	Supelco
Xylene (total)	LA27016	Supelco

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[1]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	82.4	82.4
1A	100	108	108
2A	100	94.0	94.0
3A	100	104	104
4A	100	94.3	94.3
5A	100	90.7	90.7
6A	100	98.9	98.9
7A	100	101	101
8A	100	80.7	80.7
9A	100	101	101
10A	100	103	103
11A	100	103	103
12A	100	99.9	99.9
13A	100	94.3	94.3
14A	100	94.2	94.2
15A	100	80.2	80.2
MS 14A	100	96.1	96.1
MSD 14A	100	92.0	92.0

MS Matrix Spike Sample
MSD Matrix Spike Duplicate Sample
Source: Ultra Scientific, Lot #:STS-110

Table 4 (cont)

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[1]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	108	108
16A	100	81.9	81.9
17A	100	77.6	77.6
18A	100	90.2	90.2
19A	100	93.0	93.0
20A	100	52.3	52.3*
21A	100	84.8	84.8
22A	100	101	101
23A	100	108	108
24A	100	99.9	99.9
25A	100	101	101
26A	100	108	108
27A	100	85.7	85.7
28A	100	106	106
29A	100	85.7	85.7
30A	100	85.7	85.7

Source: Ultra Scientific, Lot #:STS-110
* Low response due to Matrix effect

Table 4 (cont)

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[1]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
31A	100	93.2	93.2
32A	100	86.3	86.3
33A	100	95.2	95.2
34A	100	103	103
35A	100	98.1	98.1
36A	100	100	100
37A	100	95.0	95.0
38A	100	99.1	99.1

Source: Ultra Scientific, Lot #:STS-110

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204138
Report Issue Date: April 10, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-8-92
Sample Spiked: I2-4' Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Benzene	<0.005	2.86	2.11	73.8	30.9-88.4
Toluene	0.005	2.86	2.59	90.4	29.3-95.3
Ethyl Benzene	<0.005	2.86	2.53	88.5	33.2-106
Xylene (total)	<0.015	8.58	8.09	94.3	36.1-99.7

1 = Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
< # = Not detected at the indicated detection limit.

Table 6

LABORATORY MATRIX SPIKE AND MSD % RECOVERY RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-8-92
Sample Used: I2-4'

Analyte	MS % Recovery	MSD % Recovery	RPD, %	Maximum RPD, %
Benzene	73.8	70.6	4.43	30
Toluene	90.4	87.9	2.80	30
Ethyl Benzene	88.5	86.4	2.40	30
Xylene (total)	94.3	91.7	2.80	30

NA = Not applicable RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Alvarado @ Commanche

Page 1

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME Chevron / La Mesa
PROJECT I.D. NO.
CONSULTANT NAME Groundwater Technology
ADDRESS Mesa Rim Rd. San Diego, CA
PROJECT CONTACT (NAME) Kathy Gerber
(PHONE) 619-453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) Roger Uhden
(PHONE)

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) D.C. Salter
(SIGNATURE) X
COLLECTION DATE 4/7/92

9°C
T2-04-137 → 138

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	METALS ( )	OTHER	Disposed on site 4/7/92 BJW		DETECTION LIMIT	REMARKS
W01-6'	1		X		X		4/7/92	1100		X			X					X			
W02-6'	2		X		X		4/7	1100		X			X					X			
W03-5'	3		X		X		4/7	1100		X			X					X			
W04-4'	4		X		X		4/7	1100		X			X					X			
G1-5'	1	1	X		X		4/7	1105				X		X							
G2-3'	2	1	X		X		4/7	1110				X		X							
G3-5'	3	1	X		X		4/7	1112				X		X							
G4-4'	4	1	X		X		4/7	1115				X		X							
G5-4'	5	1	X		X		4/7	1120				X		X							
G6-5'	6	1	X		X		4/7	1125				X		X							
G7-4'	7	1	X		X		4/7	1130				X		X							
G8-8'	8	1	X		X		4/7	1135				X		X							
G9-6'	9	1	X		X		4/7	1145				X		X							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	TURN AROUND TIME (CIRCLE CHOICE)
D.C. Salter	GTI	1630 4/7/92	Wilh. W. [illegible]	GTEL	4/7/92-1545	Mobile Lab
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	24 HRS 5 DAYS
						48 HRS 10 DAYS
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME	
			Elaine R. Thomas		4/9/92 10:00 am	

[redacted] @ [redacted]

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chevron LA MESA
PROJECT I.D. NO.
CONSULTANT NAME GROUNDWATER TECH
ADDRESS Mesa Rim Rd
PROJECT CONTACT (NAME) Kathy Gerber
(PHONE) 619-453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) Roger Ohden
(PHONE)

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) D.C. Salter
(SIGNATURE) D.C. Salter
COLLECTION DATE 4/7/92

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	ANALYSES TO BE PERFORMED: MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES + BTXE	EPA 602 AROMATIC VOLATILES + BTXE	METALS ( )	OTHER	Disposed on Site	DETECTION LIMIT	REMARKS
10-4'	10	1	X		X		4/7/92	1200		X	X		X						
11-6'	11	1	X		X		4/7	1202		X	X		X						
12-5'	12	1	X		X		4/7	1205		X	X		X						
1-6'	13	1	X		X		4/7	1208		X	X		X						
2-4'	14	1	X		X		4/7	1210		X	X		X						
3-8'	15	1	X		X		4/7	1212		X	X		X						
4-8.5'	16	1	X		X		4/7	1215		X	X		X						
5-3'	17	1	X		X		4/7	1220		X	X		X						
6-7'	18	1	X		X		4/7	1225		X	X		X						
05-5'	5		X		X		4/7	1535		X		X					X		
06-5'	6[2]		X		X		4/7	1540		X		X DCS					X		Visually contaminated
07-3'	7[2]		X		X		4/7	1540		X		X DCS					X		Visually contaminated

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	TURN AROUND TIME (CIRCLE CHOICE)
D.C. Salter	GTI	4/7/92 1630	[signature]	GTEL	4-7-92 1545	Mobile Lab
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	24 HRS 5 DAYS
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME	48 HRS 10 DAYS
			Elaine R Thomas		4/9/92	10:00 am

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME CHEVRON / LA MESA
PROJECT I.D. NO.
CONSULTANT NAME Groundwater Technology
ADDRESS Mesa Rim Road, San Diego, Ca.
PROJECT CONTACT (NAME) Kathy Gerber
(PHONE) 619-453-7415
CHEVRON FACILITY NO. 93521
CHEVRON CONTACT (NAME) Roger Linden
(PHONE)

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) D C Salter
(SIGNATURE) D C Salter
COLLECTION DATE 4-8-92

CHAIN-OF-CUSTODY RECORD

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	ANALYSES TO BE PERFORMED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
13-7'	19	1	X		X		4/7/92	1600				X		X							
14-3'	20	1	X		X		4/7	1600				X		X							
15-5'	21	1	X		X		4/7	1605				X		X							
16-6'	22	1	X		X		4/7	1605				X		X							
17-5'	23	1	X		X		4/7	1605				X		X							
18-8'	24	1	X		X		4/7	1605				X		X							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
D C Salter	GTI	4/8/92 1625		GTEL	4/8/92-1615
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			Elaine R. Thomas		4/9/92 10:00a

TURN AROUND TIME (CIRCLE CHOICE)
Mobile Lab
24 HRS 5 DAYS
48 HRS 10 DAYS

ALLOWED 3 inch

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME CHEVRON/MESA
PROJECT I.D. NO.
CONSULTANT NAME Groundwater Technology
ADDRESS Mesa Rim Rd., San Diego, Ca.
PROJECT CONTACT (NAME) Kathy Gerber
(PHONE) 619-453-8415
CHEVRON FACILITY NO. 9-3521
CHEVRON CONTACT (NAME) Roger Urdan
(PHONE)

LABORATORY NAME GTEL
CONTRACT NUMBER
COLLECTED BY (NAME) D.C. Salter
(SIGNATURE) D.C. Salter
COLLECTION DATE 4-8-92

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	METALS ( )	OTHER	Disposal on site 4/8/92 8am	DETECTION LIMIT	REMARKS
WB9-3'	6	1	X		X		4/8/92	0750				X					X		
WB9-4'	7	1	X		X		4/8	0755				X					X		
WB10-5'	8	1	X		X		4/8	0800				X					X		
WB11-4'	9	1	X		X		4/8	0805				X					X		
WB12-5'	10	1	X		X		4/8	0810				X					X		
WB13-4'	11	1	X		X		4/8	0815				X					X		
G19-4'	25	1	X		X		4/8	0900			X		X						
G20-4'	26	1	X		X		4/8	0905			X		X						
G21-5'	27	1	X		X		4/8	0910			X		X						
G22-4'	28	1	X		X		4/8	0915			X		X						
G23-4'	29	1	X		X		4/8	1010			X		X						
G24-5'	30	1	X		X		4/8	1300			X		X						
G25-4'	31	1	X		X		4/8	1302			X		X						

ANALYSES TO BE PERFORMED

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	TURN AROUND TIME (CIRCLE CHOICE)
D.C. Salter	GTI	4/8/92 1625	Wm W. McCall	GTEL	4/8/92 1615	Mobile Lab 24 HRS 5 DAYS
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	48 HRS 10 DAYS
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME	
			Elaine R. Thomas		4/9/92	10:00a

5

CHAIN-OF-CUSTODY RECORD

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME: CHEVRON/LA MESA
PROJECT I.D. NO.:
CONSULTANT NAME: Groundwater Technology
ADDRESS: Mesa Rim Rd., San Diego, Ca.
PROJECT CONTACT (NAME): Kathy Gerber
(PHONE): 619-453-8415
CHEVRON FACILITY NO.: 9-3521
CHEVRON CONTACT (NAME): Roger Uhden
(PHONE):

LABORATORY NAME: GTEL
CONTRACT NUMBER:
COLLECTED BY (NAME): D C Salter
(SIGNATURE): DC Salter
COLLECTION DATE: 4-8-92

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES • BTXE	EPA 602 AROMATIC VOLATILES • BTXE	METALS ( )	OTHER	Disposed on site 4/8 dia		DETECTION LIMIT	REMARKS
G26-5'	32	1	X		X		4/8/92	1300				X		X							
G27-6'	33	1	X		X		4/8	1300				X		X							
G28-5'	34	1	X		X		4/8	1300				X		X							
G29-4'	35	1	X		X		4/8	1300				X		X							
G18A-4'	36	1	X		X		4/8	0900				X		X							
G30-8'	37	1	X		X		4/8	1510				X		X							
G31-5'	38	1	X		X		4/8	1515				X		X							
W016-U	12	1	X		X		4/8	1530					X					X			

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	TURN AROUND TIME (CIRCLE CHOICE)
DC Salter	GTI	4/8/92 1625	Willm W. Mallett	GTEL	4-8-92-1615	Mobile Lab
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME	24 HRS 5 DAYS
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME	48 HRS 10 DAYS

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

A M E N D E D L A B O R A T O R Y R E P O R T

CHEVRON (N66CSW23441X)
P.O. BOX 2833
LA HABRA CA 90632

ATTENTION: RUBEN AVILES

DATE SAMPLED : 04/09/92
DATE RECEIVED: 04/09/92
DATE ANALYZED: 04/09/92
SAMPLE MATRIX: SOIL
CLIENT ID :
GEOTEST PROJECT NO.: 92624-17
ANALYSES: TPH-G

PROJECT NAME: CHEVRON #9-3521
LOCATION: COMMANCHE & ALVARADO AVENUE
LA MESA, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
G32-3'	ND	1.0
G33-6'	47	1.0
G34-5'	54	1.0
G35-6'	3.9	1.0
G36-5'	3.4	1.0
G37-6'	2.7	1.0
G38-11'	ND	1.0
G39-5'	6500	1.0
G40-4'	15	1.0
G41-5'	28	1.0
G42-5'	12	1.0
G43-5'	95	1.0
G44-5'	60	1.0
G45-4'	240	1.0
G46-5'	34	1.0
G47-8'	4.7	1.0
G48-9'	ND	1.0
G49-8'	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: RV

Reviewed and Approved: _____
Report date: 6/5/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 92624-17
GEOTEST PROJECT NAME: CHEVRON #9-3521
DATE ANALYZED:04/09/92
SAMPLE MATRIX:SOIL

ELAP Certification #1623
Analyses prep method:5030
Analyses method:DHS TPH-G

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	99	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	102	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	101	70 - 130

Checked and Approved: _____

Report Date: 6/15/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

AMENDED LABORATORY REPORT

CHEVRON (N66CSW23441X)
P.O. BOX 2833
LA HABRA CA 90632

ATTENTION: RUBEN AVILES

DATE SAMPLED : 04/09/92
DATE RECEIVED: 04/09/92
DATE ANALYZED: 4/09,10/92
04/13/92
SAMPLE MATRIX: SOIL
CLIENT ID :
GEOTEST PROJECT NO.: 92624-17
ANALYSES: BTEX

PROJECT NAME: CHEVRON #9-3521
LOCATION: COMMANCHE AND ALVARADO AVENUES
LA MESA, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
G32-3'	ND	ND	0.071	0.030
G33-6'	0.63	0.084	10	56
G34-5'	0.063	0.052	2.5	13
G35-6'	0.15	0.015	0.49	1.2
G36-5'	0.050	0.026	0.48	0.46
G37-6'	0.015	ND	0.032	ND
G38-11'	ND	ND	ND	ND
G39-5'	48	460	200	1000
G40-4'	0.55	0.066	0.70	1.3
G41-5'	2.2	6.7	2.7	14
G42-5'	0.077	0.082	0.63	1.9
G43-5'	0.034	0.42	2.1	13
G44-5'	0.094	0.51	1.4	6.2
G45-4'	1.7	4.3	8.0	40
G46-5'	0.13	0.42	0.63	0.21
G47-8'	0.011	0.059	0.086	0.48
G48-9'	ND	ND	ND	0.019
G49-8'	ND	0.007	0.010	0.040

ND - Not detected below indicated limit of detection.

Analyst: RV

Reviewed and Approved: [signature]
Report date: 6/5/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 92624-17
GEOTEST PROJECT NAME: CHEVRON #9-3521
DATE ANALYZED: 04/09,10,13/92
SAMPLE MATRIX: SOIL

ELAP Certification #1623
Analyses prep method:5030
Analyses method:8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	92	70-130%
Toluene	94	70-130%
Ethylbenzene	100	70-130%
Total Xylenes	101	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	113	70-130%
Toluene	105	70-130%
Ethylbenzene	116	70-130%
Total Xylenes	108	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	106	70-130%
Toluene	102	70-130%
Ethylbenzene	106	70-130%
Total Xylenes	103	70-130%

Checked and Approved: _____

Report Date: 6/5/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

A M E N D E D L A B O R A T O R Y R E P O R T

CHEVRON (N66CSW23441X)
P.O. BOX 2833
LA HABRA CA 90632

ATTENTION: RUBEN AVILES

DATE SAMPLED : 04/10/92
DATE RECEIVED: 04/10/92
DATE ANALYZED: 04/10,13/92
SAMPLE MATRIX: SOIL
CLIENT ID :
GEOTEST PROJECT NO.: 92624-17
ANALYSES: DHS TPH-G

PROJECT NAME: CHEVRON #9-3521
LOCATION: COMMANCHE & ALVARADO AVENUE
LA MESA, CA

ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
CAL/DOHS TPH FOR GASOLINE

SAMPLE ID	RESULTS (mg/kg)	DETECTION LIMIT (mg/kg)
G50-5'	18	1.0
G51-6'	55	1.0
G52-7'	1000	1.0
G53-7'	4.3	1.0
G54-6'	1.2	1.0
G55-6'	ND	1.0
G56-5'	8.9	1.0
G60-6'	ND	1.0
G61-6'	ND	1.0
G62-5'	10	1.0
G63-4'	1.8	1.0
G64-8'	ND	1.0

ND - Not detected below indicated limit of detection.

Analyst: RV

Reviewed and Approved:
Report date: 6/5/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 92624-17
GEOTEST PROJECT NAME: CHEVRON #9-3521
DATE ANALYZED:04/10/92
SAMPLE MATRIX:SOIL

ELAP Certification #1623
Analyses prep method:5030
Analyses method:DHS TPH-G

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	102	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	100	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	103	70 - 130

Checked and Approved: _____

Report Date: 6/5/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

A M E N D E D L A B O R A T O R Y R E P O R T

CHEVRON (N66CSW23441X)
P.O. BOX 2833
LA HABRA CA 90632

ATTENTION: RUBEN AVILES

DATE SAMPLED : 04/10/92
DATE RECEIVED: 04/10/92
DATE ANALYZED: 04/10/92
SAMPLE MATRIX: SOIL
CLIENT ID :
GEOTEST PROJECT NO.: 92624-17
ANALYSES: BTEX

PROJECT NAME: CHEVRON #9-3521
LOCATION: COMMANCHE AND ALVARADO AVENUES
LA MESA, CA

ANALYSIS OF ORGANIC AROMATICS
EPA METHOD 8020

COMPONENTS	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
DETECTION LIMITS	0.005	0.005	0.005	0.015
SAMPLE ID				
G50-5'	0.070	0.087	1.9	10
G51-6'	0.011	0.069	0.49	1.5
G52-7'	4.9	60	44	250
G53-7'	0.055	0.029	0.013	0.60
G54-6'	ND	0.008	0.013	0.060
G55-6'	0.005	ND	0.011	0.020
G56-5'	0.016	0.048	0.28	0.33
G60-6'	ND	0.008	ND	0.017
G61-6'	0.015	ND	0.005	0.017
G62-5'	0.40	0.96	0.38	1.2
G63-4'	0.076	0.012	0.10	0.19
G64-8'	ND	0.010	0.009	0.032

ND - Not detected below indicated limit of detection.

Analyst: RV

Reviewed and Approved: [signature]
Report date: 6/5/92

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed.

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF BTEX BY GC/PID

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 92624-17
GEOTEST PROJECT NAME: CHEVRON #9-3521
DATE ANALYZED: 04/10/92
SAMPLE MATRIX: SOIL

ELAP Certification #1623
Analyses prep method: 5030
Analyses method: 8020

METHOD BLANK	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
Benzene	ND	0.005
Toluene	ND	0.005
Ethylbenzene	ND	0.005
Total Xylenes	ND	0.015

LABORATORY CONTROL STANDARD	% ACCURACY	ACCEPTABLE RANGE %
Benzene	96	70-130%
Toluene	96	70-130%
Ethylbenzene	100	70-130%
Total Xylenes	104	70-130%

MATRIX SPIKE	% RECOVERY	ACCEPTABLE RANGE %
Benzene	96	70-130%
Toluene	99	70-130%
Ethylbenzene	98	70-130%
Total Xylenes	97	70-130%

MATRIX SPIKE DUPLICATE	% REPRODUCIBILITY	ACCEPTABLE RANGE %
Benzene	102	70-130%
Toluene	100	70-130%
Ethylbenzene	102	70-130%
Total Xylenes	101	70-130%

Checked and Approved: _____

Report Date: 6/5/92

GEOTEST
An Environmental Monitoring and Testing Service

Post Office Box 90911, Long Beach, California 90809-0911 (310) 498-9515 (800) 624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY
ANALYSIS OF HYDROCARBON CONTENT BY GAS CHROMATOGRAPHY
TOTAL PETROLEUM HYDROCARBONS - GASOLINE

GEOTEST CLIENT NAME: CHEVRON
GEOTEST PROJECT NO: 92624-17
GEOTEST PROJECT NAME: CHEVRON #9-3521
DATE ANALYZED:04/13/92
SAMPLE MATRIX:SOIL

ELAP Certification #1623
Analyses prep method:5030
Analyses method:DHS TPH-G

	CONCENTRATION (mg/kg)	DETECTION LIMIT (mg/kg)
METHOD BLANK	ND	1.0

	ACCURACY %	ACCEPTABLE RANGE %
LABORATORY CONTROL STANDARD	95	70 - 130

	RECOVERY %	ACCEPTABLE RANGE %
MATRIX SPIKE	102	70 - 130

	REPRODUCIBILITY %	ACCEPTABLE RANGE %
MATRIX SPIKE DUPLICATE	103	70 - 130

Checked and Approved: _____

Report Date: 6/5/92

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92624-17
DATE 4/9/92 PAGE 1 OF 3

PROJECT NAME Chevron # 9-3521
ADDRESS Commanche & Alvarado Ave
SAMPLER'S SIGNATURE David C. Salter
PRINTED NAME David C. Salter
CLIENT PROJECT NO.
PROJECT MANAGER K.S. Gerber

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
G32-3	4/9/92	7:20		X		X			S	8P	1	
G33-6		7:20		X		X						
G34-5		7:20		X		X						
W017-6'		7:40					X			Plastic Bags		
W018-4'		7:40					X					
W020-7'		7:40					X					
W021-6'		7:40					X					
W022-5'		7:40					X					
W019-5'		7:40					X					

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE David C. Salter	4/9/92	SIGNATURE		SIGNATURE	
PRINTED NAME David C. Salter	TIME 18:00	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GTI		COMPANY		COMPANY	
4 RECEIVED BY	**DATE**	**5 RECEIVED BY**	**DATE**	**6 RECEIVED BY (LAB)**	**DATE**
SIGNATURE	4/9/92	SIGNATURE		SIGNATURE Lionel Rojo	4/13/92
PRINTED NAME ALLEN MATAKEF	TIME 18:00	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME 17:00
COMPANY GEOTEST		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE (YES/NO)
CHAIN OF CUSTODY SEAL YES/(NO)

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92624-17
DATE 4/9/92 PAGE 2 OF 3

PROJECT NAME Chevron # 9-3521
ADDRESS Commanche & Alvarado Ave
SAMPLER'S SIGNATURE David C. Salter
PRINTED NAME David C Salter
CLIENT PROJECT NO.
PROJECT MANAGER K. S. Gerber

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS						MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
G35-6'	4/9/92	9:40		X		X								1	Q.P. Jar	1	
G36-5'		9:40		X		X											
G37-6'		9:40		X		X											
G38-11'		10:35		X		X											
W023-12'		12:15					X								Plastic Bag		
G39-5'		13:00		X		X									Q.P. Jar		
G40-4'		13:00		X		X											
G41-5'		14:30		X		X											
G42-5'		14:30		X		X											

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE David C. Salter	4/9/92	SIGNATURE		SIGNATURE	
PRINTED NAME David C. Salter	TIME	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GTI	1800	COMPANY		COMPANY	

4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE
SIGNATURE Allen Motakef	4/9/92	SIGNATURE		SIGNATURE Lionel Rojo	4/13/92
PRINTED NAME ALLEN MOTAKEF	TIME	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME
COMPANY GEOTEST	18:00	COMPANY		COMPANY	17:00

SAMPLE CONDITIONS
RECEIVED ON ICE YES/NO
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92624-17
DATE 4/9/92 PAGE 3 OF 3

PROJECT NAME Chevron # 9-3521
ADDRESS Commanche & Alvarado Ave
SAMPLER'S SIGNATURE David C. Salter
PRINTED NAME David C. Salter
CLIENT PROJECT NO.
PROJECT MANAGER K.S. Gerber

SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS					MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
G43-5'	4/9/92	16:30		X		X							1	G.P. Jar	1	
G44-5'		16:30		X		X										
G45-4'		16:30		X		X										
G46-5'		16:30		X		X										
G47-8'		16:30		X		X										
G48-9'		16:30		X		X										
G49-8'		16:30		X		X										

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	SAMPLE CONDITIONS	
SIGNATURE David C. Salter	4/9/92	SIGNATURE		SIGNATURE		RECEIVED ON ICE	YES/NO
PRINTED NAME David C. Salter	TIME 1800	PRINTED NAME	TIME	PRINTED NAME	TIME	CHAIN OF CUSTODY SEAL	YES/NO
COMPANY GTI		COMPANY		COMPANY			
4 RECEIVED BY	DATE	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB)	DATE	PROJECT COMMENTS	
SIGNATURE Allen Mothkof	4/9/92	SIGNATURE		SIGNATURE Lionel Rojo	4/13/92		
PRINTED NAME ALLEN MOTHKOF	TIME 18:00	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME 17:00		
COMPANY GEOTEST		COMPANY		COMPANY			

ORIGINAL

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST
PROJECT NO: 92624-17
DATE 4/10/92 PAGE 1 OF 2

PROJECT NAME Chevron # 9-3521
ADDRESS Canyon Cha & Alvarado Ave
SAMPLER'S SIGNATURE David C. Salter
PRINTED NAME David C. Salter
CLIENT PROJECT NO.
PROJECT MANAGER K.S. Gerber

SAMPLE NO.	DATE	TIME	LOCATION	TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS				HOLD		MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
G50-5'	4/10/92	7:45		X		X								1	2.P Jar	1	
G51-6'		7:45		X		X											
G52-7'		9:20		X		X											
G53-7'		9:20		X		X											
G54-6'		9:20		X		X											
G55-6'		9:20		X		X											
G56-5'		9:20		X		X											
G57-5'		11:30		X		X	418.1					X					
G58-5'		11:30		X		X	418.1					X					

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE David C. Salter	4/14/92	SIGNATURE		SIGNATURE	
PRINTED NAME David C. Salter	TIME 16:00	PRINTED NAME	TIME	PRINTED NAME	TIME
COMPANY GTI		COMPANY		COMPANY	
4 RECEIVED BY	**DATE**	**5 RECEIVED BY**	**DATE**	**6 RECEIVED BY (LAB)**	**DATE**
SIGNATURE	4/14/92	SIGNATURE		SIGNATURE Lionel Rojo	4/13/92
PRINTED NAME ALLEN MOTAKEF	TIME 16:00	PRINTED NAME	TIME	PRINTED NAME Geotest	TIME 17:00
COMPANY GEOTST		COMPANY		COMPANY	

SAMPLE CONDITIONS
RECEIVED ON ICE (YES/NO)
CHAIN OF CUSTODY SEAL YES/NO

PROJECT COMMENTS

GEOTEST
3960 Gilman Street
Long Beach, CA 90815
Telephone: (310) 498-9515 (800) 624-5744

CHAIN-OF-CUSTODY RECORD

GEOTEST PROJECT NO: 92624-17
DATE 4/10/92 PAGE 2 OF 2

PROJECT NAME Chevron 9-3521
ADDRESS Campanile & S. Alvarado Ave
SAMPLER'S SIGNATURE David C. Salter
PRINTED NAME David C. Salter
CLIENT PROJECT NO.
PROJECT MANAGER K.S. Gerber

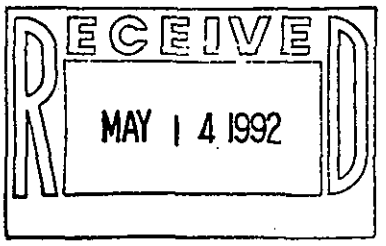
SAMPLE NO.	DATE	TIME	LOCATION	METHODS: TPH GASOLINE	TPH DIESEL	BTEX	418.1	OTHERS				Hold	MATRIX	CONTAINER TYPE	# OF CONTAINERS	SPECIAL HANDLING
G59-6'	4/10/92	11:45		X		X (BTEX)						X				
G60-6'		13:40		X		X										
G61-6'		13:40		X		X										
G62-5'		13:40		X		X										
G63-4'		14:10		X		X										
G64-8'		14:30		X		X										

1 RELINQUISHED BY: David C. Salter	DATE 4/10/92	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE	SAMPLE CONDITIONS	
SIGNATURE: David C. Salter		SIGNATURE		SIGNATURE		RECEIVED ON ICE	YES/NO
PRINTED NAME: David C. Salter	TIME 16:00	PRINTED NAME	TIME	PRINTED NAME	TIME	CHAIN OF CUSTODY SEAL	YES/NO
COMPANY		COMPANY		COMPANY		PROJECT COMMENTS	
4 RECEIVED BY: Allen Motaker	DATE 4/10/92	5 RECEIVED BY	DATE	6 RECEIVED BY (LAB): Lionel Rojo	DATE 4/13/92		
SIGNATURE		SIGNATURE		SIGNATURE			
PRINTED NAME: ALLEN MOTAKER	TIME 16:20	PRINTED NAME	TIME	PRINTED NAME: Geotest	TIME 17:10		
COMPANY: GEOTST		COMPANY		COMPANY			

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite #B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-24-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		49A	50A	51A	52A
Client Identification		1A	1B	1C	1D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-28-92	4-28-92	4-28-92	4-28-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	0.023
Toluene	0.005	<0.005	<0.005	<0.005	0.040
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	0.14
Xylene (total)	0.015	<0.015	<0.015	<0.015	0.049
BTEX (total)	-	--	--	--	0.25
TPH as Gasoline	10	<10	<10	<10	17

GTEL Sample Number		45A	46A	47A	48A
Client Identification		2A	2B	2C	2D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-28-92	4-28-92	4-28-92	4-28-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	0.006
Toluene	0.005	<0.005	<0.005	<0.005	0.005
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	0.013
Xylene (total)	0.015	<0.015	<0.015	<0.015	<0.015
BTEX (total)	-	--		--	0.024
TPH as Gasoline	10	<10	<10	<10	<10

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT *Manual protocols, May 1988 revision.*

b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		41A	42A	43A	44A
Client Identification		3A	3B	3C	3D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-27-92	4-28-92	4-28-92	4-28-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.006	0.006	<0.005	<0.005
Toluene	0.005	<0.005	0.011	<0.005	<0.005
Ethyl Benzene	0.005	0.007	0.039	<0.005	<0.005
Xylene (total)	0.015	<0.015	0.077	<0.015	<0.015
BTEX (total)	-	0.013	0.13	--	--
TPH as Gasoline	10	<10	13	<10	<10

GTEL Sample Number		37A	38A	39A	40A
Client Identification		4A	4B	4C	4D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-30-92	4-30-92	4-27-92	4-28-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	0.005	<0.005	<0.005
Toluene	0.005	0.007	0.023	<0.005	<0.005
Ethyl Benzene	0.005	0.012	0.12	0.011	<0.005
Xylene (total)	0.015	0.024	0.085	0.018	0.11
BTEX (total)	-	0.043	0.23	0.029	0.11
TPH as Gasoline	10	<10	14	<10	<10

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		33A	34A	35A	36A
Client Identification		5A	5B	5C	5D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-28-92	4-28-92	4-28-92	4-28-92
Date Analyzed		4-30-92	4-30-92	4-30-92	4-30-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.005	0.005	<0.005	0.007
Toluene	0.005	0.005	0.013	<0.005	0.015
Ethyl Benzene	0.005	0.012	0.033	0.009	0.047
Xylene (total)	0.015	0.017	0.056	0.023	0.028
BTEX (total)	-	0.039	0.11	0.032	0.097
TPH as Gasoline	10	<10	<10	<10	<10

GTEL Sample Number		29A	30A	31A	32A
Client Identification		6A	6B	6C	6D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-27-92	4-30-92	4-30-92	4-30-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	0.010	0.018	0.034
Toluene	0.005	<0.005	0.062	0.035	0.074
Ethyl Benzene	0.005	<0.005	0.22	0.083	0.15
Xylene (total)	0.015	0.028	2.4	0.047	2.1
BTEX (total)	-	0.028	2.7	0.18	2.4
TPH as Gasoline	10	<10	57	<10	52

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT *Manual protocols, May 1988 revision.*

b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		25A	26A	27A	28A
Client Identification		7A	7B	7C	7D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-27-92	4-27-92	4-27-92	4-27-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	0.006	<0.005	<0.005	<0.005
Ethyl Benzene	0.005	0.023	<0.005	0.011	<0.005
Xylene (total)	0.015	0.19	0.059	0.092	0.080
BTEX (total)	-	0.22	0.059	0.10	0.080
TPH as Gasoline	10	13	<10	<10	<10

GTEL Sample Number		21A	22A	23A	24A
Client Identification		8A	8B	8C	8D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-28-92	4-27-92	4-30-92	4-30-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	0.14	0.085
Toluene	0.005	<0.005	<0.005	0.31	0.58
Ethyl Benzene	0.005	<0.005	<0.005	0.70	0.64
Xylene (total)	0.015	0.017	0.066	6.7	14
BTEX (total)	-	0.017	0.066	7.9	15
TPH as Gasoline	10	<10	<10	100	140

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

b *Concentration calculated on a wet basis*

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		17A	18A	19A	20A
Client Identification		9A	9B	9C	9D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-28-92	4-28-92	4-28-92	4-28-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	0.13	<0.005	<0.005
Toluene	0.005	<0.005	0.27	<0.005	<0.005
Ethyl Benzene	0.005	<0.005	0.19	0.045	<0.005
Xylene (total)	0.015	0.039	1.5	0.27	<0.015
BTEX (total)	-	0.039	2.1	0.32	--
TPH as Gasoline	10	<10	100	<10	<10

GTEL Sample Number		13A	14A	15A	16A
Client Identification		10A	10B	10C	10D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-28-92	4-28-92	4-28-92	4-28-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethyl Benzene	0.005	0.007	<0.005	<0.005	0.008
Xylene (total)	0.015	0.041	0.018	<0.015	0.051
BTEX (total)	-	0.048	0.018	--	0.059
TPH as Gasoline	10	<10	<10	<10	<10

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		5A	6A	7A	8A
Client Identification		20A	20B	20C	20D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-27-92	4-27-92	4-27-92	4-27-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	0.006	<0.005	<0.005
Ethyl Benzene	0.005	0.010	0.041	0.007	0.010
Xylene (total)	0.015	0.072	0.21	0.034	0.049
BTEX (total)	-	0.082	0.26	0.041	0.059
TPH as Gasoline	10	<10	34	<10	<10

GTEL Sample Number		1A	2A	3A	4A
Client Identification		21A	21B	21C	21D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-27-92	4-27-92	4-27-92	4-27-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Toluene	0.005	<0.005	<0.005	<0.005	<0.005
Ethyl Benzene	0.005	<0.005	<0.005	<0.005	<0.005
Xylene (total)	0.015	0.027	<0.015	<0.015	<0.015
BTEX (total)	-	0.027	--	--	--
TPH as Gasoline	10	<10	<10	<10	<10

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 1 (cont)

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		9A	10A	11A	12A
Client Identification		23A	23B	23C	23D
Date Sampled		4-22-92	4-22-92	4-22-92	4-22-92
Date Extracted		4-27-92	4-27-92	4-27-92	4-27-92
Date Analyzed		4-27-92	4-27-92	4-28-92	4-28-92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	0.005	<0.005
Toluene	0.005	<0.005	<0.005	0.005	<0.005
Ethyl Benzene	0.005	0.015	<0.005	0.018	0.006
Xylene (total)	0.015	0.040	<0.015	0.15	0.048
BTEX (total)	-	0.055	--	0.17	0.054
TPH as Gasoline	10	<10	<10	<10	<10

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

b *Concentration calculated on a wet basis*

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A-52A Date of Analysis: 4/27-30/92

1.0 Blanks

0 of 4 target compounds were found in Reagent blank and gasoline was below detection limit as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were not met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-27-92

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-28-92

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[a]
Benzene	150	156	104	75.1-113
Toluene	150	160	107	73.1-121
Ethyl Benzene	150	157	105	70.5-128
Xylene (total)	450	483	107	67.8-140

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	F-0012	Ultra Scientific
Toluene	F-0012	Ultra Scientific
Ethyl Benzene	F-0012	Ultra Scientific
Xylene (total)	F-0012	Ultra Scientific

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
1A	100	99.1	99.1
2A	100	89.2	89.2
3A	100	104	104
4A	100	106	106
5A	100	129	129*
6A	100	108	108
7A	100	79.7	79.7
8A	100	80.4	80.4
9A	100	86.1	86.1
10A	100	99.5	99.5
11A	100	88.6	88.6
12A	100	96.7	96.7
13A	100	104	104
14A	100	82.2	82.2
15A	100	93.3	93.3
SD 2A	100	87.6	87.6
MS 2A	100	98.1	98.1

SD Sample Duplicate
MS Matrix Spike Sample
a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter
* Matrix effect.

Table 4 (cont)

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
16A	100	106	106
17A	100	105	105
18A	100	122	122
19A	100	91.1	91.1
20A	100	89.3	89.3
21A	100	78.1	78.1
22A	100	100	100
23A	100	90.6	90.6
24A	100	89.4	89.4
25A	100	100	100
26A	100	100	100
27A	100	107	107
28A	100	100	100
29A	100	100	100
30A	100	88.8	88.8
SD 22A	100	100	100
MS 22A	100	100	100

SD Sample Duplicate
MS Matrix Spike Sample
a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
31A	100	87.9	87.9
32A	100	86.5	86.5
33A	100	80.0	80.0
34A	100	79.6	79.6
35A	100	75.1	75.1
36A	100	73.5	73.5
37A	100	73.0	73.0
38A	100	90.0	90.0
39A	100	86.1	86.1
40A	100	100	100
41A	100	84.7	84.7
42A	100	93.3	93.3
43A	100	82.1	82.1
44A	100	78.9	78.9
45A	100	79.0	79.0
SD 40A	100	100	100
MS 40A	100	100	100

SD Sample Duplicate
MS Matrix Spike Sample
a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter

Table 4 (cont)

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
46A	100	77.8	77.8
47A	100	80.2	80.2
48A	100	81.2	81.2
49A	100	82.6	82.6
50A	100	77.1	77.1
51A	100	73.6	73.6
52A	100	85.5	85.5

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-27-92 *Reference:* T204486
Sample Spiked: 2A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	1.01	59.1	30.9-88.4
Toluene	<0.005	1.71	1.07	62.6	29.3-95.3
Ethyl Benzene	<0.005	1.71	1.13	66.1	33.2-106
Xylene (total)	<0.015	5.13	3.56	69.4	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-27-92 Reference: T204486
Sample Used: 2A Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	NA	30
Toluene	<0.005	<0.005	NA	30
Ethyl Benzene	<0.005	<0.005	NA	30
Xylene (total)	<0.015	<0.015	NA	30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 5 (cont)

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-28-92
Sample Spiked: 40A
Reference: T204486
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	1.20	70.2	30.9-88.4
Toluene	<0.005	1.71	1.36	79.5	29.3-95.3
Ethyl Benzene	<0.005	1.71	1.53	89.5	33.2-106
Xylene (total)	0.11	5.13	4.21	79.9	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-28-92
Sample Used: 40A
Reference: T204486
Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	NA	30
Toluene	<0.005	<0.005	NA	30
Ethyl Benzene	<0.005	<0.005	NA	30
Xylene (total)	0.11	0.095	NA	30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 5 (cont)

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-30-92
Sample Spiked: 1A
Reference: T204560
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	0.911	53.3	30.9-88.4
Toluene	<0.005	1.71	0.966	56.5	29.3-95.3
Ethyl Benzene	<0.005	1.71	0.982	57.4	33.2-106
Xylene (total)	<0.015	5.13	3.04	59.3	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-30-92
Sample Used: 1A
Reference: T204560
Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	0.013	NA	<30
Toluene	<0.005	0.106	NA	30
Ethyl Benzene	<0.005	0.031	NA	30
Xylene (total)	<0.015	0.206	NA	<30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204486
Report Issue Date: May 6, 1992

Table 5 (cont)

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-27-92
Sample Spiked: 22A
Reference: t204486
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	1.24	72.5	30.9-88.4
Toluene	<0.005	1.71	1.47	86.0	29.3-95.3
Ethyl Benzene	<0.005	1.71	1.60	93.6	33.2-106
Xylene (total)	0.066	5.13	4.44	85.3	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4-27-92
Sample Used: 22A
Reference: T204486
Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	NA	30
Toluene	<0.005	<0.005	NA	30
Ethyl Benzene	<0.005	<0.005	NA	30
Xylene (total)	0.066	0.080	NA	30

NA *RPD is not applicable when sample concentration is less than 10 times the method detection limit.*

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chv/La Mesa FL
PROJECT I.D. No. 0234~~0~~2346
CONSULTANT NAME GTI
ADDRESS 9940 Mesa Rim Rd
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619 453 8415
CHEVRON FACILITY No. Chv/9-3521
CHEVRON CONTACT (NAME) Ruben Avilez
(PHONE) 310 694 7304

LABORATORY NAME GTEL
CONTRACT NUMBER 635W23231X
COLLECTED BY (NAME) Fred Essig
(SIGNATURE) Fred Essig
COLLECTION DATE 4/22/92

CHAIN-OF-CUSTODY RECORD

T2-04-486

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
21A	1	1	X		X		4/22	8:20		X	X		X							Ref #13 TOP
21B	2	1						8:25			X		X							
21C	3	1						8:30			X		X							
21D	4	1						8:35			X		X							
22A	1	1						8:45			FL	X	FL	FL						418.1 only
22B	2	1						8:50			FL	X	FL	FL						418.1 only
22C	3	1						8:55			FL	X	FL	FL						418.1 only
22D	4	1						9:00			FL	X		FL						418.1 only
20A	5	1						9:15			X		X							
20B	6	1						9:20			X		X							
20C	7	1						9:25			X		X							
20D	8	1						9:30			X		X							

3°C 487
QC for every day
Special rate #2

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Fred Essig	GTI	4/22/92 5:00	078737902 5	Fed X	4/23/92 5:00
RELINQUISHED BY (Signature) 078737902 5	ORGANIZATION Fed X	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 4-24-92 9:00 am

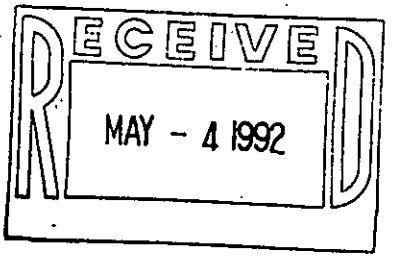
TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

SW FORM E 1-89

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992



Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4/24/92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Sincerely,

Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		1A	2A	3A	4A
Client Identification		13A	13B	13C	13D
Date Sampled		4/23/92	4/23/92	4/23/92	4/23/92
Date Extracted		4/24/92	4/24/92	4/24/92	4/24/92
Date Analyzed		4/24/92	4/24/92	4/25/92	4/25/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	<0.005	0.056	<0.005
Toluene	0.005	0.023	<0.005	0.17	0.012
Ethyl Benzene	0.005	0.086	0.007	0.53	0.066
Xylene (total)	0.015	0.38	<0.015	11	0.040
BTEX (total)	-	0.49	0.007	12	0.12
TPH as Gasoline	10	20	<10	180	15

GTEL Sample Number		5A	6A	7A	8A
Client Identification		16A	16B	16C	16D
Date Sampled		4/23/92	4/23/92	4/23/92	4/23/92
Date Extracted		4/24/92	4/24/92	4/24/92	4/24/92
Date Analyzed		4/25/92	4/25/92	4/24/92	4/24/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	0.058	<0.005	0.018
Toluene	0.005	0.020	1.6	0.035	0.029
Ethyl Benzene	0.005	0.073	2.6	0.023	0.019
Xylene (total)	0.015	0.84	39	0.76	0.97
BTEX (total)	-	0.93	43	0.82	1.0
TPH as Gasoline	10	17	210	28	25

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b Concentration calculated on a wet basis

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		9A	10A	11A	12A
Client Identification		19A	19B	19C	19D
Date Sampled		4/23/92	4/23/92	4/23/92	4/23/92
Date Extracted		4/24/92	4/24/92	4/24/92	4/24/92
Date Analyzed		4/24/92	4/24/92	4/24/92	4/27/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.39	0.020	0.033	0.39
Toluene	0.005	3.3	0.091	0.13	4.3
Ethyl Benzene	0.005	2.8	0.046	0.071	7.3
Xylene (total)	0.015	21	2.4	2.0	53
BTEX (total)	-	27	2.6	2.2	65
TPH as Gasoline	10	120	15	56	400

GTEL Sample Number		13A	14A	15A	16A
Client Identification		18A	18B	18C	18D
Date Sampled		4/23/92	4/23/92	4/23/92	4/23/92
Date Extracted		4/24/92	4/24/92	4/24/92	4/24/92
Date Analyzed		4/24/92	4/24/92	4/25/92	4/25/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.009	<0.005	<0.005	<0.005
Toluene	0.005	0.059	<0.005	<0.005	0.044
Ethyl Benzene	0.005	0.037	<0.005	<0.005	0.042
Xylene (total)	0.015	1.4	0.21	0.036	0.64
BTEX (total)	-	1.5	0.21	0.036	0.73
TPH as Gasoline	10	28	11	<10	40

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		17A	18A	19A	20A
Client Identification		17A	17B	17C	17D
Date Sampled		4/23/92	4/23/92	4/23/92	4/23/92
Date Extracted		4/24/92	4/24/92	4/24/92	4/24/92
Date Analyzed		4/25/92	4/25/92	4/25/92	4/24/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	<0.005	0.026	<0.005	<0.005
Toluene	0.005	0.056	0.014	<0.005	<0.005
Ethyl Benzene	0.005	0.019	0.45	0.012	0.008
Xylene (total)	0.015	0.17	2.4	0.063	0.062
BTEX (total)	-	0.25	2.9	0.075	0.070
TPH as Gasoline	10	12	11	<10	<10

GTEL Sample Number		21A	22A	23A	24A
Client Identification		14A	14B	14C	14D
Date Sampled		4/23/92	4/23/92	4/23/92	4/23/92
Date Extracted		4/24/92	4/24/92	4/24/92	4/24/92
Date Analyzed		4/24/92	4/27/92	4/24/92	4/24/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.006	<0.005	0.059	0.21
Toluene	0.005	0.007	<0.005	0.23	1.2
Ethyl Benzene	0.005	0.016	<0.005	0.19	0.92
Xylene (total)	0.015	0.33	<0.015	9.2	7.1
BTEX (total)	-	0.36	ND	9.7	9.4
TPH as Gasoline	10	12	<10	120	48

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		25A	26A	27A	28A
Client Identification		15A	15B	15C	15D
Date Sampled		4/23/92	4/23/92	4/23/92	4/23/92
Date Extracted		4/24/92	4/24/92	4/24/92	4/24/92
Date Analyzed		4/25/92	4/25/92	4/27/92	4/25/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.023	0.034	0.21	<0.005
Toluene	0.005	0.024	0.10	6.9	0.034
Ethyl Benzene	0.005	0.026	0.11	4.6	0.020
Xylene (total)	0.015	0.27	3.2	36	0.18
BTEX (total)	-	0.34	3.4	48	0.23
TPH as Gasoline	10	<10	86	180	<10

GTEL Sample Number		29A	30A	31A	32A
Client Identification		11A	11B	11C	11D
Date Sampled		4/23/92	4/23/92	4/23/92	4/23/92
Date Extracted		4/24/92	4/24/92	4/24/92	4/24/92
Date Analyzed		4/25/92	4/24/92	4/27/92	4/24/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.013	0.055	0.49	0.010
Toluene	0.005	0.042	0.38	18	0.085
Ethyl Benzene	0.005	0.030	0.23	11	0.035
Xylene (total)	0.015	1.0	8.2	90	0.28
BTEX (total)	-	1.1	8.9	120	0.41
TPH as Gasoline	10	18	140	450	12

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.

b Concentration calculated on a wet basis

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 1

ANALYTICAL RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
Modified EPA Method 8020/8015[a]

GTEL Sample Number		33A	34A	35A	36A
Client Identification		12A	12B	12C	12D
Date Sampled		4/23/92	4/23/92	4/23/92	4/23/92
Date Extracted		4/24/92	4/24/92	4/24/92	4/24/92
Date Analyzed		4/24/92	4/27/92	4/27/92	4/27/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg[b]			
Benzene	0.005	0.14	0.037	<0.005	0.10
Toluene	0.005	0.57	0.14	1.7	3.3
Ethyl Benzene	0.005	0.47	0.16	2.4	2.7
Xylene (total)	0.015	5.3	13	89	21
BTEX (total)	-	6.5	13	93	27
TPH as Gasoline	10	170	190	520	140

a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision O, US EPA Methods November 1986; Extraction by EPA Methods 3550 and 5030; Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision.
b Concentration calculated on a wet basis

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

QA Conformance Summary

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

GTEL Sample No. Range: 1A-36A Date of Analysis: 4/24,25,27/92

1.0 Blanks

0 of 4 target compounds were found in Reagent blank and gasoline was below detection limit as shown in Table 2.

2.0 Independent QC Check Sample

The control limits were met for 4 out of 4 QC check compounds as shown in Table 3.

3.0 Surrogate Compound Recoveries

Percent recovery limits were not met for the surrogate compound (Bromofluorobenzene) for all samples as shown in Table 4.

4.0 Matrix Spike (MS) Accuracy

Percent recovery limits were met for 4 of 4 compounds in the MS as shown in Table 5.

5.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for 4 of 4 compounds and gasoline in the sample duplicate as shown in Table 6.

6.0 Sample Handling

6.1 Sample handling and holding time criteria were met for all samples.

6.2 There were exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 2

REAGENT BLANK DATA

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4/24/92

Analyte	Concentration, mg/Kg
Benzene	<0.005
Toluene	<0.005
Ethyl Benzene	<0.005
Xylene (total)	<0.015
Gasoline	<10

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 3

INDEPENDENT QC CHECK SAMPLE RESULTS

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4/24/92

Analyte	Expected Result, ug/L	Observed Result, ug/L	Recovery, %	Acceptability Limits, %[a]
Benzene	150	164	109	75.1-113
Toluene	150	170	113	73.1-121
Ethyl Benzene	150	171	114	70.5-128
Xylene (total)	450	531	118	67.8-140

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INDEPENDENT QC CHECK SAMPLE SOURCE

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Analyte	Lot Number	Source
Benzene	F-0012	Ultra Scientific
Toluene	F-0012	Ultra Scientific
Ethyl Benzene	F-0012	Ultra Scientific
Xylene (total)	F-0012	Ultra Scientific

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
Blank	100	100	100
1A	100	92.2	92.2
2A	100	77.9	77.9
3A	100	215*	215*
4A	100	86.6	86.6
5A	100	83.5	83.5
6A	100	103	103
7A	100	97.2	97.2
8A	100	87.7	87.7
9A	100	92.8	92.8
10A	100	188*	188*
11A	100	100	100
12A	100	110	110
13A	100	100	100
14A	100	80.3	80.3
15A	100	100	100
16A	100	100	100
17A	100	100	100

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter

* Matrix effect

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
18A	100	100	100
19A	100	100	100
20A	100	118	118
21A	100	105	105
22A	100	79.7	79.7
23A	100	141*	141*
24A	100	134*	134*
25A	100	100	100
26A	100	100	100
27A	100	104	104
28A	100	100	100
29A	100	100	100
30A	100	159*	159*
31A	100	92.9	92.9
32A	100	95.3	95.3
33A	100	176*	176*
34A	100	91.4	91.4
35A	100	90.2	90.2

a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter

* Matrix effect

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 4

SURROGATE COMPOUND RECOVERY

Bromofluorobenzene

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Acceptability Limits[a]: 72.8 - 123 %

GTEL No.	Expected Result, ug/L	Surrogate Result, ug/L	Surrogate Recovery, %
36A	100	88.3	88.3
SD 22A	100	77.0	77.0
MS 22A	100	77.3	77.3

SD Sample Duplicate
MS Matrix Spike Sample
a Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter
* Matrix effect

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4/24-25/92
Sample Spiked: 7A
Reference: T204437
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	0.025	1.71	0.943	53.7	30.9-88.4
Toluene	0.039	1.71	0.995	55.9	29.3-95.3
Ethyl Benzene	0.013	1.71	1.04	60.1	33.2-106
Xylene (total)	0.026	5.13	3.25	62.8	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
<# Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4/24-25/92
Sample Used: 7A
Reference: T204437
Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	0.025	0.031	NA	30
Toluene	0.039	0.010	NA	30
Ethyl Benzene	0.013	0.018	NA	30
Xylene (total)	0.026	0.022	NA	30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204488
Report Issue Date: April 30, 1992

Table 5

MATRIX SPIKE (MS) RECOVERY REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4/27/92
Sample Spiked: 22A
Reference: T204488
Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[a]
Benzene	<0.005	1.71	0.903	52.8	30.9-88.4
Toluene	<0.005	1.71	0.999	58.4	29.3-95.3
Ethyl Benzene	<0.005	1.71	1.05	61.4	33.2-106
Xylene (total)	<0.015	5.13	3.23	63.0	36.1-99.7

a Acceptability limits are derived from the 99% confidence interval of matrix spikes run during the previous quarter.
< # Not detected at the indicated detection limit.

Table 6

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Purgeable Aromatics and Total Petroleum Hydrocarbons
as Gasoline in Soil
EPA Method 8020/8015

Date of Analysis: 4/27/92
Sample Used: 22A
Reference: T204488
Units: mg/kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Benzene	<0.005	<0.005	NA	30
Toluene	<0.005	<0.005	NA	30
Ethyl Benzene	<0.005	<0.005	NA	30
Xylene (total)	<0.015	<0.015	NA	30

NA RPD is not applicable when sample concentration is less than 10 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chv/La Mesa
PROJECT I.D. No. 023240 2346
CONSULTANT NAME GTI
ADDRESS 9940 Mesa Rim Rd
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619 453 8415
CHEVRON FACILITY No. Chv/9-3521
CHEVRON CONTACT (NAME) Ruben Avilez
(PHONE) 310 694 7304

LABORATORY NAME GTEL
CONTRACT NUMBER 6354 23231X
COLLECTED BY (NAME) Fred Essig
(SIGNATURE) Fred Essig
COLLECTION DATE 4/23/92

CHAIN-OF-CUSTODY RECORD

488
T2-04-888

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
13A	1	1	X		X		4/23	8:45		X	X		X							Ref # 10 BTM
~~13B~~								~~8:55~~												
13B	2	1	X		X		4/23	8:50		X	X		X							
13C	3	1						8 55			X		X							
13D	4	1						9:00			X		X							
16A	5	1						9:05			X		X							
16B	6	1						9:10			X		X							
16C	7	1						9:15			X		X							
16D	8	1						9:20			X		X							
19A	9	1						9:25			X		X							
19B	10	1						9:30			X		X							
19C	11	1						9:35			X		X							
19D	12	1						9:40			X		X							

ANALYSES TO BE PERFORMED

3°C
QC for every day
special req #2

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Fred Essig	GTI	4/23 4:00	1898564990	Fed X	4/23 4:30
1898564990	Fed X				
RELINQUISHED BY: (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
					4-24-92 9:00am

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS. 5 DAYS
48 HRS (10 DAYS)

SW FORM E-1-89

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

Southwest Region
20000 / 300 Mariner Drive
Torrance, CA 90503
(213) 371-1044
(800) 727-GTEL
Fax (213) 371-8720

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204487
Report Issue Date: April 30, 1992

RECEIVED
MAY 14 1992

Mr. Bill Lines
Groundwater Technology, Inc.
9940 Mesa Rim Rd., Suite #B
San Diego, CA 92121

Dear Mr. Lines,

Enclosed please find the analytical results for the samples received by GTEL Environmental Laboratories, Inc. on 4-24-92.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes.

GTEL is certified by the state of California under Certification #E723.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Minsoon Song
Laboratory Director

cc: Ruben Avilez

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204487
Report Issue Date: April 30, 1992

Table 1

ANALYTICAL RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Sample Identification		Date Sampled	Date Extracted	Date Analyzed	Concentration, mg/Kg[1]
GTEL No.	Client ID				
1A	22A	4-22-92	4-29-92	4-29-92	81
2A	22B	4-22-92	4-29-92	4-29-92	64
3A	22C	4-22-92	4-29-92	4-29-92	30
4A	22D	4-22-92	4-29-92	4-29-92	110

1 = Method detection limit = 5 mg/Kg; analyte below this level would not be detected.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204487
Report Issue Date: April 30, 1992

QA Conformance Summary

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

GTEL Sample No. Range: 1A-4A Date of Analysis: 4-29-92

1.0 Blanks

The method blank was below the detection limit as shown in Table 2.

2.0 Calibration Verification Standards

2.1 The control limits were met for the initial calibration verification standard (ICVS) as shown in Table 3.

3.0 Matrix Spike (MS) Accuracy

The control limits were met for the MS as shown in Table 4.

4.0 Sample Duplicate Precision

Relative percent difference (RPD) criterion was met for the sample duplicate as shown in Table 5.

5.0 Sample Handling

5.1 *Sample handling and holding time criteria were met for all samples.*

5.2 There were no exceptional conditions requiring dilution of samples.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204487
Report Issue Date: April 30, 1992

Table 2

METHOD BLANK DATA

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-29-92

Analyte	Concentration, mg/Kg
Petroleum Hydrocarbons	<5

< # = Not detected at the indicated detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204487
Report Issue Date: April 30, 1992

Table 3

INITIAL CALIBRATION
VERIFICATION STANDARDS RESULTS

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-29-92

Initial Calibration Verification Standard				
Analyte	Expected Result, mg/L	Observed Result, mg/L	Recovery, %	Acceptability Limits, %[1]
Petroleum Hydrocarbons	25.5	24.1	94.5	80-120

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

Table 3a

INITIAL CALIBRATION
VERIFICATION STANDARDS SOURCE
Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Initial Calibration Verification Standard		
Analyte	Lot Number	Source
n-hexadecane	CAS 544-76-3	EM
isooctane	CAS 540-84-1	EM
chlorobenzene	CAS 108-90-7	EM

GTEL ENVIRONMENTAL LABORATORIES, INC.

Project Number: GTI76.CHV01
Contract Number: 6CSW23231X
Facility Number: 9-3521
Work Order Number: T204487
Report Issue Date: April 30, 1992

Table 4

MATRIX SPIKE (MS) RECOVERY REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-29-92 Client ID: 22C
Sample Spiked: 3A Units: mg/Kg

Analyte	Sample Result	Amount Added	MS Result	MS, % Recovery	Acceptability Limits, %[1]
Petroleum Hydrocarbons	30.1	77.0	99.2	89.7	77-124

1 = Acceptability limits are derived from the 99% confidence interval of all samples during the previous quarter.

<# = Not detected at the indicated detection limit.

Table 5

LABORATORY DUPLICATE SAMPLE RESULTS
AND RELATIVE PERCENT DIFFERENCE (RPD) REPORT

Petroleum Hydrocarbons in Soil by Infrared
Modified EPA Method 3550/SM 503E/EPA 418.1

Date of Analysis: 4-29-92 Client ID: 22C
Sample Used: 3A Units: mg/Kg

Analyte	Sample Result	Duplicate Result	RPD, %	Maximum RPD, %
Petroleum Hydrocarbons	30.1	31.4	4.23	20

N/A = Not applicable, RPD is not applicable when the sample concentration is less than 5 times the method detection limit.

GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chv/La Mesa FL
PROJECT I.D. No. 023404 2346
CONSULTANT NAME GTI
ADDRESS 9940 Mesa Rim Rd
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619 453 8415
CHEVRON FACILITY No. Chv/9-3521
CHEVRON CONTACT (NAME) Ruben Avilez
(PHONE) 3106947304

LABORATORY NAME GTEL
CONTRACT NUMBER 635U23231X
COLLECTED BY (NAME) Fred Essig
(SIGNATURE) Fred Essig
COLLECTION DATE 4/22/92

CHAIN-OF-CUSTODY RECORD

T2-04-486
487

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
21A	1	1	X		X		4/22	8:20		X	X		X							Ref #13 TOP
21B	2	1						8:25			X		X							
21C	3	1						8:30			X		X							
21D	4	1						8:35			X		X							
22A	1	1						8:45			FL	X	FL	FL						418.1 only
22B	2	1						8:50			FL	X	FL	FL						418.1 only
22C	3	1						8:55			FL	X	FL	FL						418.1 only
22D	4	1						9:00			FL	X	FL	FL						418.1 only
20A	5	1						9:15			X		X							
20B	6	1						9:20			X		X							
20C	7	1						9:25			X		X							
20D	8	1						9:30			X		X							

ANALYSES TO BE PERFORMED

3°C
QC for every day
Special rate #2

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Fred Essig	GTI	4/22/92 5:00	078737902 5	Fed X	4/23/92 5:00
RELINQUISHED BY (Signature) 078737902 5	ORGANIZATION Fed X	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 4-24-92 9:00 am

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME Chv/La Mesa
PROJECT I.D. No. 02340234C
CONSULTANT NAME GTI
ADDRESS 9940 Mesa Rim Rd
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619 4538415
CHEVRON FACILITY No. Chv/9-3521
CHEVRON CONTACT (NAME) Ruben Avilez
(PHONE) 310 6947304

LABORATORY NAME GTEL
CONTRACT NUMBER 635W 23231X
COLLECTED BY (NAME) Fred Essig
(SIGNATURE) Fred Essig
COLLECTION DATE 4/22/92

CHAIN-OF-CUSTODY RECORD

T2-04-486
487
3°C
QC for every day
Special rat #2

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
23A	9	1	X		X		4/22	9:45		X		X		X							
23B	10	1						9:50				X		X							
23C	11	1						9:55				X		X							
23D	12	1						10:00				X		X							
10A	13	1						11:30				X		X							
10B	14	1						11:35				X		X							
10C	15	1						11:40				X		X							
10D	16	1						11:45				X		X							
9A	17	1						12:15				X		X							
9B	18	1						12:20				X		X							
9C	19	1						12:25				X		X							
9D	20	1						12:30				X		X							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Fred Essig	GTI	5:00 4/22/92	Fed X 0787379025	Fed X	4/23/92 5:00
Fed X 0787379025	Fed X				
			RECEIVED FOR LABORATORY BY (Signature)		4-24-92 9:00am

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

SW FORM E-1-89

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chv/Lc Mesc
PROJECT I.D. No. 023402346
CONSULTANT NAME Groundwater Tech, Inc
ADDRESS 9940 Mesa Rim Rd
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619-4538415
CHEVRON FACILITY No. Chv/9-3521
CHEVRON CONTACT (NAME) Ruben Avilez
(PHONE) (310) 6947304

LABORATORY NAME GTEL
CONTRACT NUMBER 635W23231X
COLLECTED BY (NAME) Fred Essig
(SIGNATURE) Fred Essig
COLLECTION DATE 4/22/92

CHAIN-OF-CUSTODY RECORD

T2-04-486 ↓ 487

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
8A	21	1	X		X		4/22	12:45		X	X		X							
8B	22	1						12:50			X		X							
8C	23	1						12:55			X		X							
8D	24	1						1:00			X		X							
7A	25	1						1:10			X		X							
7B	26	1						1:15			X		X							
7C	27	1						1:20			X		X							
7D	28	1						1:25			X		X							
6A	29	1						1:35			X		X							
6B	30	1						1:40			X		X							
6C	31	1						1:45			X		X							
6D	32	1						1:50			X		X							

ANALYSES TO BE PERFORMED

3°C
QC for every day

Special rq
#2

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Fred Essig	GTI	4/22/92 5:00	078737902S	FedX	4/23/92 5:00
078737902S	FedX				
			RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 4-24-92 7:00

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10 DAYS)

SW FORM E 1.89

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chv/La Mesa
PROJECT I.D. No. 02340234C
CONSULTANT NAME GTI
ADDRESS 9940 Mesa Rim Rd.
PROJECT CONTACT (NAME) Bill Cines
(PHONE) 619 453 8415
CHEVRON FACILITY No. Chv/9-3521
CHEVRON CONTACT (NAME) Ruben Aviles
(PHONE) 310 694 1704

LABORATORY NAME GTEL
CONTRACT NUMBER 635W23231X
COLLECTED BY (NAME) Fred Essig
(SIGNATURE) Fred Essig
COLLECTION DATE 4/22/92

CHAIN-OF-CUSTODY RECORD

T2-04-486 ↓ 487

JQC

QC For every day

Special rate # 2

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
5A	33	1	X		X		4/22	1:55		X	X		X							
5B	34	1						2:00			X		X							
5C	35	1						2:05			X		X							
5D	36	1						2:10			X		X							
4A	37	1						2:20			X		X							
4B	38	1						2:30			X		X							
4C	39	1						2:35			X		X							
4D	40	1						2:40			X		X							
3A	41	1						2:45			X		X							
3B	42	1						2:50			X		X							
3C	43	1						2:55			X		X							
3D	44	1						3:00			X		X							

ANALYSES TO BE PERFORMED

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Fred Essig	GTI	4/22/92 5:00	0787379025	Fed X	5:00 4/23/92
RELINQUISHED BY (Signature) 0787379025	ORGANIZATION Fed X	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME 4-24-92 9:00 am

TURN AROUND TIME (CIRCLE CHOICE)

24 HRS 5 DAYS
48 HRS (10 DAYS)

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chv / Ce Mesa
PROJECT I.D. No. 023402346
CONSULTANT NAME GTI
ADDRESS 9940 Mesa Rim Rd
PROJECT CONTACT (NAME) Bill Lines
(PHONE) 619 4538415
CHEVRON FACILITY No. Chv/9-3521
CHEVRON CONTACT (NAME) Ruben Aviles
(PHONE) (310) 694 7304

LABORATORY NAME GTEL
CONTRACT NUMBER 635W23231X
COLLECTED BY (NAME) Fred Essig
(SIGNATURE) Fred Essig
COLLECTION DATE 4/22/92

CHAIN-OF-CUSTODY RECORD

T2-04-486 ↓ 487

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
2A	45	1	X		X		4/22	305		X	X		X							30C QC for every day Special rate # 2
2B	46	1						310			X		X							
2C	47	1						315			X		X							
2D	48	1						320			X		X							
1A	49	1						325			X		X							
1B	50	1						330			X		X							
1C	51	1						335			X		X							
1D	52	1						340			X		X							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Fred Essig	GTI	4/22/92 5:00	07 379025	Fed X	4/23/92 9:00
RELINQUISHED BY (Signature) 078737902 5	ORGANIZATION Fed X	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS (10) DAYS

SW FORM E-1-89

C. STOCKPILE STATISTICS WORKSHEET USED OIL

SIMPLE RANDOM SAMPLING AND SYSTEMATIC RANDOM SAMPLING

1	List sample results from laboratory Analytical Method EPA 418.1 Units (i.e. mg/kg) mg/Kg (ppm)	1 81	2 64	3 30
		4 110	5	6
		7	8	9
2	Determine number of sample values n		n = 4	
3	Calculate sample mean With n = number of sample measurements $\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$		$\bar{x}$ = 71	
4	Calculate sample variance $\frac{(81^2+64^2+30^2+110^2) - \frac{(285)^2}{4}}{3}$ $s^2 = \frac{\sum_{i=1}^{n} x_i^2 - \frac{(\sum_{i=1}^{n} x_i)^2}{n}}{n-1}$		s^2 = 1100	
5	Calculate sample standard deviation $s = \sqrt{s^2}$		s = 33	
6	Calculate degrees of freedom $df = n-1$		df = 3	
7	Calculate standard error of the mean $s_{\bar{x}} = \frac{s}{\sqrt{n}}$		$s_{\bar{x}}$ = 19	
8	Obtain student's 't' value corresponding to the degree of freedom value determined in #6 above. (See attached Table reproduced on the back of this page.)		$t_{.20}$ = 1.638	
9	Calculate the confidence interval $CI = \bar{x} \pm t_{.20}\, s_{\bar{x}}$		CI = 71 ± 31	
10	Obtain regulatory threshold for the contaminant of concern RT		RT = 100	
11	Calculate $\Delta = RT - \bar{x}$		Δ = 29	
12	Estimate minimum number of samples $n_{min} = \frac{t_{.20}^2\, s^2}{\Delta^2}$		n_{min} = 3.5	

PLEASE NOTE: In accordance with the California Code of Regulations, Title 22, Section 66694, the HMMD follows the sampling guidelines set forth in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Third Edition", U.S. Environmental Protection Agency, 1986. This worksheet is based on information found in Volume II, Part III, Chapter 9, of "SW-846" and is provided as an aid for stockpile characterization. For circumstances requiring data manipulation beyond that indicated on the worksheet, refer to "SW-846".

C. STOCKPILE STATISTICS WORKSHEET

TPHg
GASOLINE

SIMPLE RANDOM SAMPLING AND SYSTEMATIC RANDOM SAMPLING

1	List sample results from laboratory Analytical Method EPA 8020/8015 Units (i.e. mg/kg) mg/kg (ppm)	1 see	2	3
		4 attached	5	6
		7 table	8	9
2	Determine number of sample values n		n = 88	
3	Calculate sample mean With n = number of sample measurements $\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$		$\bar{x}$ = 49	
4	Calculate sample variance $s^2 = \frac{\sum_{i=1}^{n} x_i^2 - \frac{(\sum_{i=1}^{n} x_i)^2}{n}}{n-1}$		s^2 = 10,750	
5	Calculate sample standard deviation $s = \sqrt{s^2}$		s = 104	
6	Calculate degrees of freedom $df = n-1$		df = 60	
7	Calculate standard error of the mean $s_{\bar{x}} = \frac{s}{\sqrt{n}}$		$s_{\bar{x}}$ = 11	
8	Obtain student's 't' value corresponding to the degree of freedom value determined in #6 above. (See attached Table reproduced on the back of this page.)		t_{20} = 1.296	
9	Calculate the confidence interval $CI = \bar{x} \pm t_{20}\, s_{\bar{x}}$		CI = 49 ± 14	
10	Obtain regulatory threshold for the contaminant of concern RT		RT = 100	
11	Calculate $\Delta = RT - \bar{x}$		Δ = 51	
12	Estimate minimum number of samples $n_{min} = \frac{t_{20}^2\, s^2}{\Delta^2}$		n_{min} = 6.9	

PLEASE NOTE: In accordance with the California Code of Regulations, Title 22, Section 66694, the HMMD follows the sampling guidelines set forth in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Third Edition", U.S. Environmental Protection Agency, 1986. This worksheet is based on information found in Volume II, Part III, Chapter 9, of "SW-846" and is provided as an aid for stockpile characterization. For circumstances requiring data manipulation beyond that indicated on the worksheet, refer to "SW-846".

Former Chevron Service Station No. 9-3521
7651 Alvarado Road, La Mesa, California 92041
Stockpile Characterization - Statistical Calculations
TPH_g

Section	Quadrant (TPH_g in ppm)				(TPH_g in ppm)^2			
	A	B	C	D	A^2	B^2	C^2	D^2
1	10	10	10	17	100	100	100	289
2	10	10	10	10	100	100	100	100
3	10	13	10	10	100	169	100	100
4	10	14	10	10	100	196	100	100
5	10	10	10	10	100	100	100	100
6	10	57	10	52	100	3,249	100	2,704
7	13	10	10	10	169	100	100	100
8	10	10	100	140	100	100	10,000	19,600
9	10	100	10	10	100	10,000	100	100
10	10	10	10	10	100	100	100	100
11	18	140	450	12	324	19,600	202,500	144
12	170	190	520	140	28,900	36,100	270,400	19,600
13	20	10	180	15	400	100	32,400	225
14	12	10	120	48	144	100	14,400	2,304
15	10	86	180	10	81	7,396	32,400	100
16	17	210	28	21	289	44,100	784	625
17	12	11	10	10	144	121	100	100
18	28	11	10	40	784	121	100	1,600
19	120	15	56	400	14,400	225	3,136	160,000
20	10	34	10	10	100	1,156	100	100
21	10	10	10	10	100	100	100	100
23	10	10	10	10	100	100	100	100
Total	540	981	1,774	1,009	46,854	123,443	567,420	208,291
n = 88	**Sum = 4,304**				**Sum = 946,008**			

Notes:

All results is parts per million (ppm).
Below method detection limit was assumed to equal 10 ppm.
49 of 88 samples were <10 ppm TPH_g.

$\underline{t}_{0.20}$ = 1.296 for n-1 = 60
60 degrees of freedom (n-1) was used for calculating $\underline{t}_{0.20}$
(See Section 3, Page 9, HMMD Site Assessment/Mitigation Manual, January 1992)

GROUNDWATER TECHNOLOGY

C. STOCKPILE STATISTICS WORKSHEET

BENZENE
GASOLINE

SIMPLE RANDOM SAMPLING AND SYSTEMATIC RANDOM SAMPLING

1	List sample results from laboratory Analytical Method EPA 8020 Units (i.e. mg/kg) LAB ppm / STATS - ppb	1 see	2	3
		4 table	5	6
		7	8	9
2	Determine number of sample values n		$n =$ 88	
3	Calculate sample mean With n = number of sample measurements $\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$		$\bar{x} =$ 35 ppb	
4	Calculate sample variance $s^2 = \frac{\sum_{i=1}^{n} x_i^2 - \frac{(\sum_{i=1}^{n} x_i)^2}{n}}{n-1}$		$s^2 =$ 8277	
5	Calculate sample standard deviation $s = \sqrt{s^2}$		$s =$ 91	
6	Calculate degrees of freedom $df = n-1$		$df =$ 60	
7	Calculate standard error of the mean $s_{\bar{x}} = \frac{s}{\sqrt{n}}$		$s_{\bar{x}} =$ 9.7	
8	Obtain student's 't' value corresponding to the degree of freedom value determined in #6 above. (See attached Table reproduced on the back of this page.)		$t_{20} =$ 1.296	
9	Calculate the confidence interval $CI = \bar{x} \pm t_{20}\, s_{\bar{x}}$		$CI =$ 35 ± 13	
10	Obtain regulatory threshold for the contaminant of concern RT		$RT =$	
11	Calculate $\Delta = RT - \bar{x}$		$\Delta =$	
12	Estimate minimum number of samples $n_{min} = \frac{t_{20}^2\, s^2}{\Delta^2}$		$n_{min} =$	

PLEASE NOTE: In accordance with the California Code of Regulations, Title 22, Section 66694, the HMMD follows the sampling guidelines set forth in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, Third Edition", U.S. Environmental Protection Agency, 1986. This worksheet is based on information found in Volume II, Part III, Chapter 9, of "SW-846" and is provided as an aid for stockpile characterization. For circumstances requiring data manipulation beyond that indicated on the worksheet, refer to "SW-846".

Former Chevron Service Station No. 9-3521
7651 Alvarado Road, La Mesa, California 92041
Stockpile Characterization - Statistical Calculations
BENZENE - PPB

Section	Quadrant (TPH_g in ppm)				(TPH_g in ppm)^2			
	A	B	C	D	A^2	B^2	C^2	D^2
1	5	5	5	23	25	25	25	529
2	5	6	5	6	25	36	25	36
3	6	5	5	5	36	25	25	25
4	5	5	5	5	25	25	25	25
5	5	5	5	7	25	25	25	49
6	5	10	18	34	25	100	324	1,156
7	5	5	5	5	25	25	25	25
8	5	5	140	85	25	25	19,600	7225
9	5	130	5	5	25	16,900	25	25
10	5	5	5	5	25	25	25	25
11	13	55	490	10	169	3,025	240,100	100
12	140	37	5	100	19,600	1,369	25	10,000
13	5	5	56	5	25	25	3,136	25
14	6	5	59	210	36	25	3,481	44,100
15	23	34	210	5	529	1,156	44,100	25
16	5	58	5	18	25	3,364	25	324
17	5	26	5	5	25	676	25	25
18	9	5	5	5	81	25	25	25
19	390	20	33	390	152,100	400	1,089	152,100
20	5	5	5	5	25	25	25	25
21	5	5	5	5	25	25	25	25
22	5	5	5	5	25	25	25	25
Total	662	441	1,081	943	172,890	27,351	312,205	215,919
n = 88	**Sum** = 3,127				**Sum** = 728,365			

Notes:

All results is parts per billion (ppb).
<0.005 ppm (below method detection limit) was assumed to equal 5 ppb.
51 of 88 samples were <0.005 ppm benzene.

$\underline{t}_{0.20}$ = 1.296 for n-1 = 60
60 degrees of freedom (n-1) was used for calculating $\underline{t}_{0.20}$
(See Section 3, Page 9, HMMD Site Assessment/Mitigation Manual, January 1992)

GROUNDWATER TECHNOLOGY

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

RECEIVED
Jun 18 8 27 AM '92
HEALTH SERVICES

June 16, 1992

Mr. Michael Porter
Hazardous Materials Management Division
P.O. Box 85261
San Diego, California 92138-5261

Regarding: Former Chevron Service Station #9-3521
7651 Alvarado Road
La Mesa, California 92041

Dear Mr. Porter:
Chevron is pleased to submit the attached report, completed by Groundwater Technology Inc., summarizing the assessment activities at the above mentioned site. In general, the soils containing greater than 100 parts per million (ppm) TPH have been excavated from the used oil tank and pump island areas. The stockpiled soils were characterized in accordance with EPA Publication SW-846. Characterization of the 2,200 yards of soils excavated from beneath the former pump islands indicated the following:

- A mean TPH concentration of 49 ppm and a confidence interval of + or - 14 ppm,
- A mean benzene concentration of 0.035 and a confidence interval of + or - 0.013 ppm,
- TPH concentrations were <100 ppm in 73 of 88 samples,
- Benzene concentrations were <0.1 ppm in 79 of 88 samples.

The geologic and hydrogeologic study of the site indicated that the groundwater does not represent a continuous aquifer. Due to the site's hydrogeology, it is unlikely that any dissolved-phase gasoline hydrocarbons originating from the site would migrate to the stream bed located to the north of the site.

Future development at the site may include paving the lot for use as a recreational vehicle sales/storage area. The monitoring well roadboxes will be incorporated into the new site development and a quarterly groundwater monitoring and sampling program will begin in the third quarter of this year.

Based on the stockpile characterization presented in the Groundwater Technology report dated June 12, 1992, Chevron is requesting approval to backfill the soil excavated from beneath the former pump islands and used oil excavation.

If you have any questions or comments, please call me at (310) 694-7304.

Sincerely yours,

Ruben Avilez

Ruben Avilez
Environmental Engineering

cc: Mr. Jim Munch, Region Water Quality Control Board
Mr. Jerry Holmquist
Mr. Michael Habbib

CUSR-MKTG-LAHABRA TEL No. Jun 17,92 8:52 No.001 P.02

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

June 10, 1992

Chevron Service Station 9-3521
7651 Alvarado Road
La Mesa, California

Mr. Michael Habib
11462 Shadow Ranch Road
La Mesa, CA 91941

Dear Mr. Habib:

We received your letter dated June 1, 1992, and your 30-day notice to terminate the lease on the subject property.

Please refer to Paragraph 5 of the lease, which expired on May 31, 1992. Paragraph 5 grants Chevron 30 days after the termination of the lease to remove our improvements and backfill excavations resulting from the removal of underground tanks. Mr. Avilez estimates that we should complete our work by the end of June, provided timely response is received from the San Diego County HMMD.

In the event we do not receive the closure approval from HMMD and have to remain on the property after June 30, 1992, causing delay in the commencement of rent for your new use, we are willing to discuss an appropriate license fee, provided you grant us access by executing the license agreement previously forwarded to you.

If you have any questions, or wish to discuss this matter further, please feel free to contact me or Mr. Avilez.

Very truly yours,

J. A. Holmquist
Property Development Specialist

JAH/3-11G/070

cc: R. O. Avilez

For your files
JAH

9-3521

7651 ALVARADO R
LA MESA, CA.

FROM LEASE
DATED 7/30/71

roadways and use sidewalks for vehicles to pass to and from the leased premises. Upon the expiration of this lease, or any extension or renewal thereof, Lessee agrees to replace all curbs and sidewalks cut or removed by Lessee during Lessee's occupancy of the premises. If it is or becomes unlawful for Lessee or anyone holding under Lessee directly or indirectly, to conduct any particular operation or to erect or maintain any particular structure or equipment on the leased premises, or if any part of the leased premises of the approaches thereto are condemned or changed by public authority, or if any highway or street change is made diverting or rerouting traffic away from the leased premises, so that in any such case enumerated above it becomes impossible or impracticable to use the leased premises as they were being used at the time such use is declared unlawful or such condemnation or change is effected, then Lessee shall have the right at any time thereafter to terminate this lease by giving Lessor ten (10) days notice in writing of such termination.

5. Lessee shall have the right at any time during Lessee's occupancy of the leased premises to remove any and all buildings, improvements, fixtures and equipment owned or placed by Lessee, its Sublessees or Licensees, in, under or upon the leased premises, or acquired by Lessee whether before or during the term hereof, and Lessee shall, within thirty (30) days after the termination of this lease, remove all such buildings, improvements, fixtures and equipment in, under or upon the leased premises and to backfill any excavations resulting from

such removal to an approximation of original grade.

6. Lessee agrees to pay direct to the taxing authorities of the city, county or state in which the leased premises are located all real property taxes, except special taxes or assessments, and all property taxes on personal property located on the leased premises, levied or assessed upon or against the leased premises during the fifteen (15) year period of the term of this lease as provided in Paragraph 1 hereof, or any extension thereof. If Lessor's tax bills prior to the commencement date of said fifteen (15) year period include property other than that covered by this lease, Lessor agrees to arrange with said taxing authorities to have the leased premises separately assessed, and such assessment shall be a condition precedent to Lessee's obligation to pay the taxes hereinabove provided for. For any fraction of a tax year at the beginning or end of said fifteen (15) year period, or any extension thereof, Lessee's obligation hereunder shall be prorated as of the commencement or end of said fifteen (15) year period, or any extension thereof. For any such fraction of a tax year at the beginning of said fifteen (15) year period, Lessee agrees to reimburse Lessor for its portion of such taxes within sixty (60) days after presentation to Lessee of receipted copies of the bills covering the same, together with an estimated segregation of such taxes obtained from the particular taxing authority involved if such tax bills include property other than that covered by this lease. For any such fraction of a tax year at the end of said fifteen (15) year period, or any extension thereof, Lessor agrees to reimburse Lessee for Lessor's portion

Routing Slip GO-24

To Jeff Cole

☐ Immediate Attention	☐ Prepare Reply	☐ Return
☐ Approve	☐ For Signature	☐ Route
☐ Comment	☐ See Me	☐ Trace
☐ Handle	☐ Destroy	☐ File
☑ Note	☐ Hold	

Remarks 9-3521 Paragraph 5 from original lead dated 7/30/71.

From NOV 17 1992 [redacted] Date

Printed in U.S.A. GO-24 (OS-6 8-

Chevron

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

June 1, 1992

Mr. Michael Habbib
11462 Shadow Ranch Road
La Mesa, CA 91941

Regarding: Update of activities at Chevron Station #9-3521, 7651 Alvarado Road, La Mesa, California

Dear Mr. Habbib:

This letter is to inform you that Chevron will be performing environmental activities at the above mentioned site for an additional month. I will notify you immediately if there is any change to this date.

Chevron has excavated the hydrocarbon impacted soil at station #9-3521, in accordance with the County of San Diego, HMMD. Additional cross-sectional drawings, as required by Mr. Mike Porter of the HMMD, have also been developed. A report of these findings will be submitted to the County of San Diego, HMMD, and the San Diego Regional Water Quality Control Board the week of June 8th. Once both agencies have reviewed the report, Chevron will respond accordingly. In order to avoid any possible delays, Chevron requests that the license agreement mailed on May 4, 1992, be signed and returned. Per our telephone conversation on May 11, 1992, you mentioned that you did not see any problems with the license agreement.

If you have any questions or comments, please contact me at (310) 694-7304.

Sincerely yours,

Ruben Avilez

Ruben Avilez
Environmental Engineer

cc. Jerry Holmquist

THIRTY (30) DAY NOTICE TO TERMINATE

TO: Standard Oil Company of California
7651 Alvarado Road
La Mesa, California 91941

PLEASE TAKE NOTICE that your month-to-month tenancy of the above-described premises is hereby terminated as of the date thirty (30) days after service of this NOTICE upon you and you are hereby required to quit and surrender possession thereof to the undersigned no later than thirty (30) days after service of this NOTICE upon you.

This is intended as a thirty (30) day legal notice for the purpose of terminating your tenancy in accordance with California Civil Code Section 1946. This NOTICE is being served upon you because the landlord seeks in good faith to recover possession of the above-described premises.

DATE: 6-1, 1992

Michael G. Habib

MICHAEL HABIB
Successor-in-Interest to Virgil F. Gafford, Wane A. Gafford and Gary A. Gafford

Mike Habib
11462 Shadow Ranch Road
La Mesa, CA 91941

Mr. Ruben Avilez
Chevron
1300 South Beach Blvd
Bldg 4516
La Habra, CA 90632-2833

June 01, 1992

Dear Mr. Avilez:

Enclosed is a 30 day notice to terminate our lease agreement.

We are reviewing the license agreement which you sent last month.

Please be advised that our new tenant is paying $6,000.00 per month triple net. This is the amount you should be sending until you leave the site. Please send the new rental amount to the same address as usual.

Thank you,

Mike Habib

Mike Habib
619 460-8980 work
619 670-9508 home

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

RECEIVED
APR 7 11 11 AM '92
HEALTH SERVICES

LETTER OF TRANSMITTAL

TO: Mr. Mike Porter
Hazardous Materials Management Div.
P.O. Box 85261
San Diego, California 92138-5261

DATE: April 3, 1992
SITE: Chevron SS# 9-3521
7651 Alvarado Road
La Mesa, CA 92041

GENTLEMEN:

We are sending you _x_ Attached ___ Under separate cover

COPIES	DATE	DESCRIPTION
1	04/03/92	COMMUNITY HEALTH AND SAFETY PLAN
1	04/02/92	PROPOSED WORKPLAN
		FORMER CHEVRON SERVICE STATION NO. 9-3521
		7651 ALVARADO ROAD, LA MESA, CA 92041

THESE ARE TRANSMITTED as checked below:
__X__ As requested ___ For approval
__X__ For your use ___ For review
___ Returned for corrections
___ Other

REMARKS

COPY TO
Mr. Ruben Avilez, Chevron U.S.A., Inc.

SIGNED

WILLIAM M. LINES
PROJECT GEOLOGIST

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APPENDIX 5 COMMUNITY NOTIFICATION

1.0 EMERGENCY RESPONSE

In the event of an accident or emergency situation, immediate action must be taken by the first person to recognize the event. Please call the following telephone numbers for emergency assistance.

Emergency Telephone Numbers:

Local Police: 911 **Fire: 911** **Ambulance: 911**

Underground Service Alert (USA):	1-800-422-4133
Gas Co (SDG&E):	239-7343
Elec. Co (SDG&E):	239-7343
Telephone Co.	295-6747
Water and Sewer (City of San Diego):	527-7400

Nearest Hospital:	Alvarado Community Hospital
Address:	6655 Alvarado Road, San Diego
Telephone:	(619) 287-3270
Directions to:	Travel west on Alvarado Road to the hospital, near College Avenue. The hospital will be on the left.
Poison Control Center:	1-800-682-9211 or 619-543-6000

Emergency Environmental:		TELEPHONE:
OFFICE OF EMERGENCY SERVICES		**1-800-852-7550**
Groundwater Technology, Inc. Contact Person: Bill Lines	1-619-453-8415	
GTI 24-HOUR PAGER:		1-619-536-3596
National Response Center:		**1-800-424-8802**
U.S. EPA (24-hour Hotline):		**1-800-424-9346**
County Regulatory Agency: HMMD		1-619-338-2222
Chevron U.S.A Contact Person: Ruben Avilez		1-310-694-7304

If LEL readings exceed 20% at receptor sites, the sites must be evacuated and machinery shut down. The GTI project manager, Health and Safety Coordinator, and Chevron must be contacted. Evacuation routes and staging areas are presented in Appendix 1.

2.0 GENERAL

The purpose of the Community Health and Safety Plan is to provide the surrounding community and emergency responders with an understanding of potential chemical and physical hazards that exist or may arise while the tasks of this project are being performed.

A Site Health and Safety Plan has been developed to protect workers from potential hazards while on site. Primary objectives of the Community Health and Safety Plan are to educate the public and to provide direction for emergency response. Reduction of potential hazards, both chemical and physical, are other objectives of this plan.

3.0 SITE IDENTIFICATION AND CONDITIONS

3.1 Site Background

Chevron U.S.A has retained Groundwater Technology to complete the following activities at the La Mesa site:

Observe the installation of at least three groundwater monitoring wells. Collect soil samples during the drilling process.

Survey, monitor and sample these wells.

Observe excavation of gasoline and used oil bearing soils. Collect soil samples during the excavation process.

Collect soil samples from the stockpiles of excavated soil.

Observe excavation backfilling activities.

Gasoline and used oil bearing soils were observed during the tank pull and soil sampling activities completed in the fall of 1991.

3.2 Site Conditions

General site conditions at the site include a gently sloped dirt lot located in a river valley. The depth to groundwater is anticipated to be approximately 10 feet. A creek is located to the north of the site across Alvarado Road. The I-8 on ramp is located to the east of the site and a restaurant is located to the west of the site. An office building is located across Comanche Drive to the south of the site.

Gasoline and used oil bearing soils were observed during the tank pull and soil sampling activities completed in the fall of 1991.

Non-chemical hazards include overhead and underground utilities, collapse of excavations, traffic, heavy equipment, noise, dust, and slip-trip-fall danger.

Potential receptors include on-site workers, and travelers on adjacent streets. Other potential receptors include staff and patrons of nearby office buildings, restaurant, and motel.

Appendix 1 presents locations of on-site and surrounding structures, and topography (Fig. 1). Evacuation routes and prevailing wind direction are presented in Figure 2. Adjacent land uses, nearby receptors, and environments of special concern are illustrated in Figure 3. No day-care centers, schools, or medical facilities have been found within a 1,000 foot radius of the site.

TABLE 1
SITE IDENTIFICATION

Site Address:	7651 Alvarado Road La Mesa, California 92041
Company Name:	Chevron U.S.A
Assessors Parcel No.:	450-020-12
HMMD Case #:	H12687
Tank Owner and Operator:	Chevron U.S.A. P. O. Box 2833 La Habra, California 90632
Contact Person:	Mr. Ruben Avilez Chevron U.S.A P. O. Box 2833 La Habra, California 90632 (310) 694-7304
Responsible Party:	Chevron U.S.A.

4.0 SITE HAZARDS AND POTENTIAL COMMUNITY CONCERNS

The following site hazards are relevant to on-site workers and can affect the surrounding community. For further details regarding on-site hazards, please consult the Health and Safety Plan located at the office of Groundwater Technology, Inc.

4.1 Physical Hazards

- Slippery Surfaces:

  The public and site workers should avoid wet and oily surfaces. Skid proof soles are highly recommended.

- Oxygen:

  Air that contains an oxygen concentration greater than 23% pose an extreme fire hazard (the usual ambient oxygen level is approximately 20.5%). This hazard can be compounded by the fact that vapors typical of gasoline are highly flammable. All personnel encountering atmospheres that contain a level of Oxygen greater than 23% must evacuate the site immediately and must notify the Fire Department.

  If Oxygen level is less than 19.5%, do not enter the area. Evacuate affected personnel promptly.

- Noise:

  GTI and ANSI approved hearing protection must be worn by on-site personnel during noisy operations such as drilling. Every effort will be made to keep noise levels below 90 dB on-site. For nuisance noise, please contact a Chevron or GTI representative.

- Surface and Equipment Contamination:

  Contact with contaminated surfaces, or surfaces suspected of being contaminated should be avoided. This includes walking through, kneeling or placing equipment in puddles, mud, discolored surfaces, or on drums and other containers. Eating, smoking, drinking and/or the application of cosmetics is prohibited on this site, reducing the likelihood of contamination by ingestion.

- Falling Objects:

  Hard hats must be worn by all on-site personnel whenever construction-type activity is taking place. (ie., drilling, excavation, trenching). Every effort will be made to protect site workers and the community from falling objects.

- Vehicular traffic:

All on-site personnel will be required to wear a fluorescent safety vest at all times. Site workers and the community are hereby informed that increased traffic will occur as a result of on-site activities. Additional traffic control will be provided as needed.

4.2 Chemical Hazards

- Organic Vapors:

  The inhalation of volatile organic vapors during all operations can pose a potential health hazard. On-site hazard reduction procedures include monitoring the ambient air with a PID and/or FID and use of Personal Protective Equipment. Potential receptors should stand upwind of the source of contamination whenever possible. If ambient air levels exceed 100 ppm at the site perimeters, work will cease or slow until ambient air concentrations are reduced.

- Flammable Vapors:

  Presence of flammable vapors can pose a potential fire hazard and health hazard. Hazard reducing procedures include monitoring the ambient air with LEL meter. If the LEL reading exceeds 20% at the site, cease work, leave the site immediately and contact the fire department.

  If LEL readings are 20% at nearby buildings, machinery should be turned off, personnel evacuated, and the fire department contacted.

The chemicals described below are known or suspected to be present on-site. The Material Safety Data Sheets (MSDS) for these chemicals can be found in Appendix 2. Additional chemicals may be used during the remediation process.

Chemicals commonly found at this site are: gasoline, benzene, toluene, ethylbenzene, xylenes, and used oil. The following is a health analysis of some of these chemicals.

Gasoline constituents can be divided into five major groups: alkanes, alkenes, cycloalkanes, aromatics and additives. Aromatics are the constituents generally regarded to be of greatest toxic concern. The major aromatics in gasoline are benzene, toluene, ethyl benzene and xylenes. Of these, benzene is considered to be the most toxic. One characteristic effect of gasoline and its aromatic constituents is their ability to irritate the skin when repeated or prolonged exposure occurs.

Benzene

Benzene can enter the body through inhalation, ingestion and skin contact. Studies have noted that chronic exposure to benzene vapor can produce neurotoxic and hematopoietic (blood system) effects. Other effects can include headache, dizziness, nausea, convulsions, coma and possible death if exposure is not reversed. One significant effect from chronic benzene exposure is bone marrow toxicity. There is also an association between chronic exposures to benzene and the development of certain types of leukemia.

Toluene

Inhalation exposure to toluene vapor can produce effects such as central nervous system depression. Depending on exposure factors, signs and symptoms can include headache, dizziness, fatigue, muscular weakness, incoordination, drowsiness, collapse and possible coma. Toluene can be a skin and mucous membrane irritant and studies have shown that high levels of toluene exposure can cause liver and kidney damage.

Ethyl Benzene

Exposure to ethyl benzene at high vapor concentrations may produce irritation to the skin, eyes and upper respiratory tract. Overexposure to ethyl benzene vapors can produce central nervous system depression with symptoms of headache, nausea, dizziness, shortness of breath and unsteadiness. Prolonged skin exposure to ethyl benzene may result in drying and cracking of the skin (dermatitis). Solvent resistant gloves should be worn during sampling to prevent exposure to the skin.

Xylenes

Depending on exposure factors, inhalation exposure to xylene vapor may produce central nervous system excitation followed by depression. Exposure to xylene vapor can produce dizziness, staggering, drowsiness and unconsciousness. At very high concentrations, xylene vapor may produce lung irritation, nausea, vomiting and abdominal pain. Xylene is not known to possess the chronic bone marrow toxicity of benzene, but liver enlargement and nerve-cell damage have been noted from chronic overexposure.

5.0 SITE ENGINEERING CONTROLS

It is the intent of Chevron U.S.A to extend to the community the same protection given the on-site worker. The principal hazard to the public is inhalation of hydrocarbon vapors generated during site activities.

In order to protect the community, air monitoring will be performed per Groundwater Technology, Inc (GTI) corporate policy while site activities are occurring. Site activities may be conducted either by Groundwater Technology, Inc or other subcontractors of Chevron.

Air monitoring will be performed by a representative of either Chevron or Groundwater Technology, Inc. The air will be monitored for (a) flammable vapors, and (b) toxic vapors. Oxygen levels may be monitored as well. The following air monitoring procedures will be followed.

a. Flammable Vapors: Monitor for % of Lower Explosive Limit (LEL) with a O_2/LEL meter to determine whether ambient vapor concentrations are within the flammable range.

   If LEL readings exceed 20% on-site, personnel MUST leave the site immediately, work activities at the site must cease, and the GTI project manager and Health and Safety Coordinator must be contacted.

   If LEL readings exceed 20% at receptor sites, the sites must be evacuated and machinery shut down. The GTI project manager, Health and Safety Coordinator, and Chevron contact person must be contacted. Evacuation routes and staging areas are presented in Appendix 1.

b. Toxic Vapors: Monitor for toxic vapors with a PID and/or a hot wire device (e.g. TLV) to determine whether toxic vapors exceed GTI action levels.

   If PID readings exceed 100 ppm at receptor sites for more than five (5) consecutive minutes, work will be ceased or slowed to allow vapors to dissipate.

c. Oxygen Level: Monitor for % Oxygen with an O_2/LEL meter on-site, at the site, and at the site perimeter to ensure a minimum oxygen level of 19.5%.

   If oxygen is less than 19.5% in any location, work will be halted immediately and affected personnel evacuated promptly.

6.0 SITE MONITORING EQUIPMENT

All monitoring equipment must be calibrated and maintained in accordance with manufacturer's recommendations. If an HNU is used, the 10.2 eV lamp is required for accurate readings.

TABLE 2

HAZARD SUMMARY

Job Task	PPE Level	AIR MONITORING - BREATHING ZONE	
		Instrument	Frequency*
Monitoring Soil Excavations	D	PID or hot wire	At start of work and 30 min to continuously
Monitoring Remed. Sys. Installation	D	PID or hot wire	Start-up of work and 30 min to continuously
Monitoring Well Development	D	PID or hot wire	Start-up of work at each well location
Groundwater and Soil Sampling	D	PID or hot wire	At start of work and 30 min to continuously

All air monitoring data must be recorded on the Vapor Monitoring Sheet, Appendix 3. The monitoring records will maintained on-site and will available for review at the request of the HMMD or other local agencies.

7.0 SITE SAFETY MANAGER

Please see Emergency Response page at the front of the document. The primary Site Safety Manager is the Chevron contact person or their representative.

8.0 MITIGATION MEASURES FOR UNPLANNED RELEASES

The primary hazards to the community are elevated LEL concentrations with resultant fire and explosion danger, and exposure to toxic vapors. In either case, the protocols described in Site Engineering Controls (5.0) are designed to protect the general public. The protocols are worst case scenarios and will be taken if mitigation measures do not succeed.

In order to keep the LEL concentrations below those requiring evacuation, air monitoring will be performed during construction or drilling activities as stated above by the Site Safety Manager (designated by Chevron). If on-site vapor concentrations exceed GTI action levels, work will be slowed or ceased until concentrations drop. The same protocol will be followed for toxic vapors.

Other measures such as wetting the soil with water spray or HMMD-approved foam may be used during construction or drilling activities. If LEL concentrations exceed 10% on-site, an exclusion zone will be established. Equipment such as backhoes and drilling rigs will be started outside the exclusion zone and brought in to reduce sparking hazard.

Emergency protocols concerning operation of a remediation system will be addressed in Appendix 4 if and when a system is designed.

If a spill of hazardous waste occurs, the spill should be confined by absorbent booms and dikes. The spill itself should be cleaned up using sorbant material. The dikes, booms, and sorbant material will be kept on-site for quick emergency response. All used cleanup materials will be treated as hazardous waste and disposed of properly. The HMMD will be immediately notified of any spills. If the spill travels offsite, the Office of Emergency Services will be notified. **Please refer to Emergency Response telephone numbers at front of report.**

9.0 SCHEDULE OF SITE ACTIVITIES

Site activities with estimated schedules are as follow:

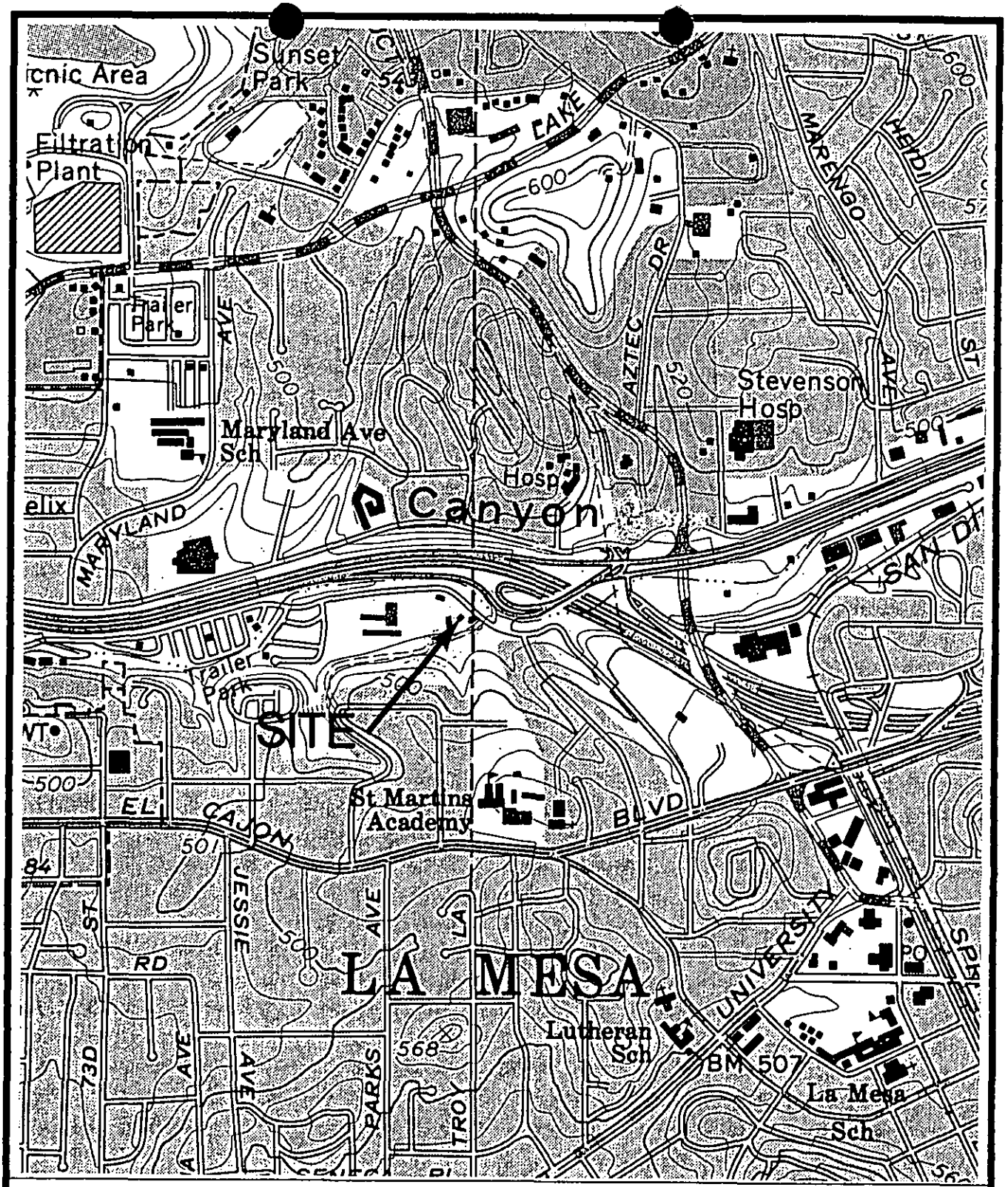
March 1992- Installation of monitoring wells and excavation of soil.

10.0 PUBLIC NOTIFICATION

Please see Appendix 5.

APPENDIX 1

SITE MAPS, INCLUDING EVACUATION ROUTES AND STAGING AREAS



SOURCE: USGS TOPO LA MESA, CA 1975

0 1000 2000

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-SST

N

SS NO. 9-3521

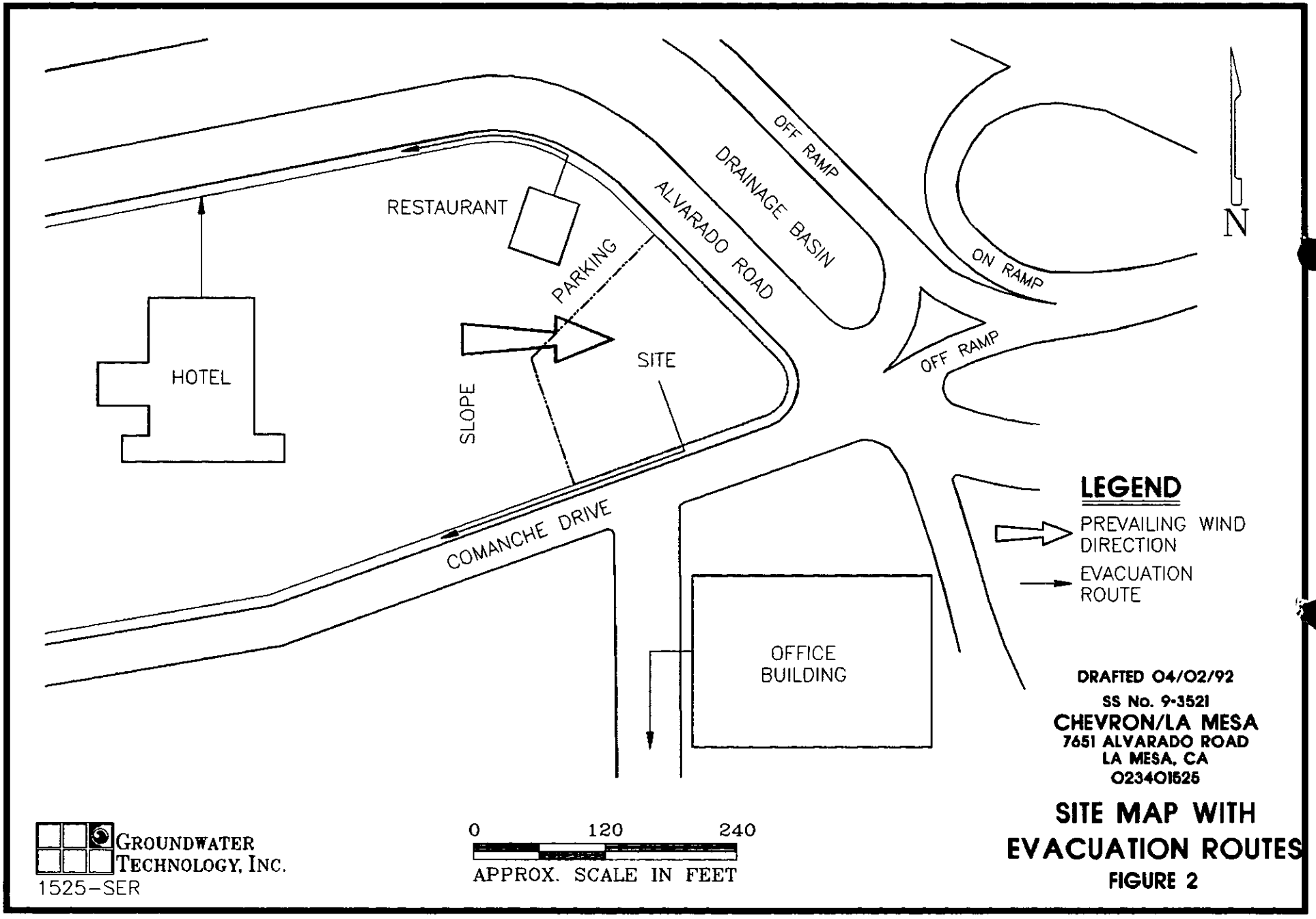
CHEVRON/LA MESA

7651 ALVARADO ROAD

LA MESA, CA

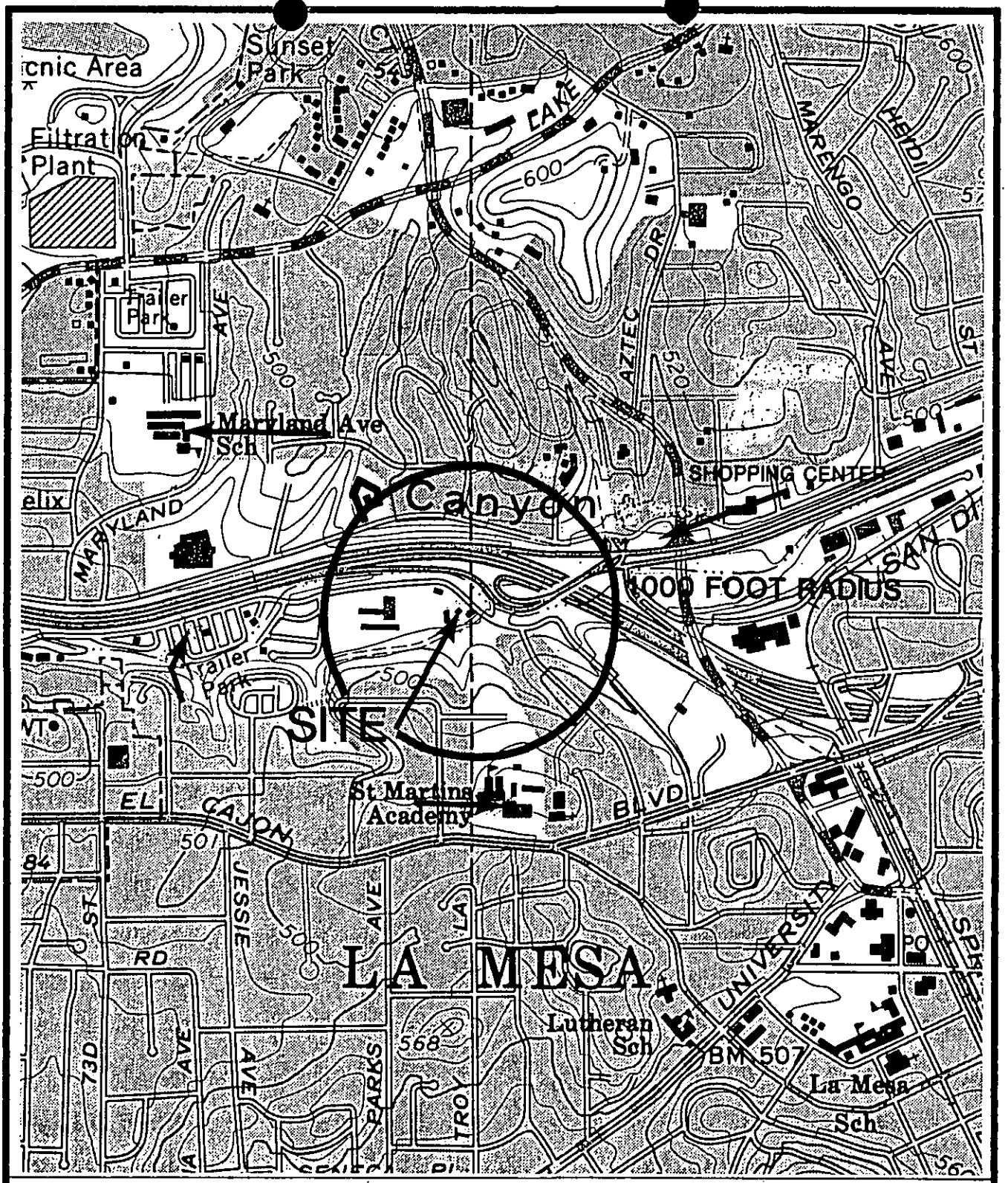
SURROUNDING STRUCTURES AND TOPOGRAPHY

FIGURE 1



SITE MAP WITH EVACUATION ROUTES

FIGURE 2



SOURCE: USGS TOPO LA MESA, CA 1975

0 1000 2000

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-ESC

N

SS NO. 9-3521

CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA

ENVIRONMENTS OF SPECIAL CONCERN

FIGURE 3

APPENDIX 2

MATERIAL SAFETY DATA SHEETS

Emergency Phone Number(800) 457-2022

Chevron

Material Safety Data Sheet

CHEVRON Regular Gasoline

CPS201305

GROUND WATER TECHNOLOGY
ATT: JIM MC HARRY
2646 PALMA
SUITE 230
VENTURA, CA 93003

Print Date: August 08, 1990

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

Revised to update Sections 1, 10, 11 and 12.

1. PRODUCT IDENTIFICATION

CHEVRON Regular Gasoline

DANGER! - HARMFUL OR FATAL IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE
- VAPOR HARMFUL
- LONG-TERM EXPOSURE TO VAPOR HAS CAUSED CANCER IN LABORATORY ANIMALS
- MAY CAUSE EYE AND SKIN IRRITATION
- EXTREMELY FLAMMABLE
- CONTAINS LEAD
- KEEP OUT OF REACH OF CHILDREN

PRODUCT NUMBER(S): CPS201305
PRODUCT INFORMATION: (800)582-3835

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Chevron Environmental Health Center, Inc., P.O. Box 4054, Richmond, CA 94804.

2. FIRST AID - EMERGENCY PHONE NUMBER (800) 457-2022

EYE CONTACT:
Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary, however, if irritation persists, see a doctor.
SKIN CONTACT:
Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.
INHALATION:
If respiratory irritation or any signs or symptoms as described in this document occur, move the person to fresh air. If any of these effects continue, see a doctor.
INGESTION:
If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital. Note to Physician: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

3. IMMEDIATE HEALTH EFFECTS - (ALSO SEE SECTIONS 11 & 12)

EYE CONTACT:
This substance is slightly irritating to the eyes and could cause prolonged (days) impairment of your vision. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain, tears, swelling, redness, and blurred vision. Eye contact with the vapors, fumes, or spray mist from this substance could also cause similar signs and symptoms. This hazard evaluation is based on the data from similar materials.
SKIN IRRITATION:
The skin irritation potential of this substance has not been determined. However, it may be a moderate skin irritant so contact with the skin could cause prolonged (days) injury to the affected area. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain or a feeling of heat, discoloration, swelling, and blistering. Prolonged or frequently repeated contact may cause the skin to become cracked or dry from the defatting action of this material. This hazard evaluation is based on data from similar materials.
DERMAL TOXICITY:
If absorbed through the skin, this substance is considered practically non-toxic to internal organs. This hazard evaluation is based on data

2. FIRST AID - EMERGENCY PHONE NUMBER (800) 457-2022

EYE CONTACT:
Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary, however, if irritation persists, see a doctor.
SKIN CONTACT:
Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.
INHALATION:
If respiratory irritation or any signs or symptoms as described in this document occur, move the person to fresh air. If any of these effects continue, see a doctor.
INGESTION:
If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital. Note to Physician: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

3. IMMEDIATE HEALTH EFFECTS - (ALSO SEE SECTIONS 11 & 12)

EYE CONTACT:
This substance is slightly irritating to the eyes and could cause prolonged (days) impairment of your vision. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain, tears, swelling, redness, and blurred vision. Eye contact with the vapors, fumes, or spray mist from this substance could also cause similar signs and symptoms.
SKIN IRRITATION:
Prolonged or frequently repeated contact may cause the skin to become cracked or dry from the defatting action of this material.
DERMAL TOXICITY:
If absorbed through the skin, this substance is considered practically non-toxic to internal organs.
RESPIRATORY/INHALATION:
This substance is slightly toxic to internal organs if inhaled. The degree of injury will depend on the airborne concentration and duration of exposure. The target organ(s) is the nervous system. Inhalation of gasoline vapor at airborne concentrations exceeding 1000 ppm may cause signs and symptoms of central nervous system effects such as headache, dizziness, loss of appetite, weakness and loss of coordination. Vapor concentrations in excess of 5000 ppm may cause loss of consciousness, coma

Chevron

Material Safety Data Sheet

CHEVRON Unleaded Gasoline CPS201110

GROUND WATER TECHNOLOGY
ATT: JIM MC HARRY
2646 PALMA
SUITE 230
VENTURA, CA 93003

Print Date: August 08, 1990

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

Revised to update Sections 1, 10, 11 and 12.

1. PRODUCT IDENTIFICATION

CHEVRON Unleaded Gasoline

DANGER! - HARMFUL OR FATAL IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE
- VAPOR HARMFUL
- LONG-TERM EXPOSURE TO VAPOR HAS CAUSED CANCER IN LABORATORY ANIMALS
- MAY CAUSE EYE AND SKIN IRRITATION
- EXTREMELY FLAMMABLE
- KEEP OUT OF REACH OF CHILDREN

PRODUCT NUMBER(S): CPS201110
PRODUCT INFORMATION: (800)582-3835

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Chevron Environmental Health Center, Inc., P.O. Box 4054, Richmond, CA 94804.

occurred. Malformations have not been reported following inhalation exposure. Because of the very high levels of exposure used in these studies, we do not believe that their results imply an increased risk of reproductive toxicity to workers exposed to xylene levels at or below the exposure standard.

Xylene has given negative results in several mutagen testing assays including the Ames assay. In a cancer study sponsored by the National Toxicology Program (NTP), technical grade xylene gave no evidence of carcinogenicity in rats or mice dosed daily for two years.

Whole gasoline exhaust was reviewed by the International Agency for Research on Cancer (IARC) in their Monograph Volume 46 (1989). Evidence for causing cancer was considered inadequate in animals and inadequate in humans. IARC placed this material in Category 2B, considering it possibly carcinogenic to humans.

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The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

protein-isoparaffin complex accumulates in the kidney tubules causing significant cell death and regrowth. It is thought that this continuous kidney injury may contribute to the eventual development of the tumors.

The data above is obtained from studies sponsored by the American Petroleum Institute (API).

12. ADDITIONAL HEALTH DATA

ADDITIONAL HEALTH DATA COMMENT:
This product contains benzene. The OSHA Benzene Standard (29 CFR 1910.1028) contains detailed requirements for training, exposure monitoring, respiratory protection and medical surveillance triggered by the exposure level. Refer to the OSHA Standard before using this product. Repeated or prolonged breathing of benzene vapors has been associated with the development of chromosomal damage in experimental animals and various blood diseases in humans ranging from aplastic anemia to leukemia (a form of cancer). All of these diseases can be fatal. No birth defects have been shown to occur in pregnant laboratory animals exposed to doses not toxic to the mother. However, some evidence of fetal toxicity such as delayed physical development has been seen at such levels. The available information on the effects of benzene on human pregnancies is inadequate but it has been established that benzene can cross the human placenta.

This product contains n-hexane. Prolonged or repeated skin contact or breathing of vapors may cause nerve damage characterized by progressive weakness and numbness in the arms and legs. Recovery ranges from no recovery to complete recovery depending upon the severity of the nerve damage.

This product contains toluene. Toluene has been reported to decrease immunological responses in test animals. It has also been reported that when young rats were exposed to 1000 ppm toluene for 14 hours daily, for two weeks, irreversible hearing loss was detected. The same daily exposure to 700 ppm for as long as 16 weeks was without effect. Since the level necessary to produce hearing loss is greater than 7 times the 1987-88 ACGIH TLV for toluene, worker exposures at or below 100 ppm is not expected to cause any adverse effect. There are also reports that chronic abusers (glue sniffers, solvent huffers) of solvents containing toluene have suffered liver, kidney and brain damage. Scientific studies on toluene have failed to demonstrate birth defects in rats and mice. However, toluene has been shown to cause delayed growth and extra ribs in the offspring of rats and mice at inhaled doses (266-399 ppm) that were non-toxic to the mother. Toluene has not conclusively been shown to cause adverse reproductive effects in humans.

This product contains xylene, a chemical that has been reported to cause developmental toxicity in rats and mice exposed by inhalation during pregnancy. The effects noted consisted of delayed development and minor skeletal variations; additionally, when pregnant mice were exposed by ingestion to a level that killed nearly one-third of the test group, lethality (resorptions) and malformations (primarily cleft palate)

P-XYLENE(1,4-DIMETHYL BENZENE)	01,02,10,11,26,28,
M-XYLENE	01,02,10,11,14,15,17,18,26,28,
TOLUENE	01,02,10,11,14,15,17,18,26,28,
HEXANE	02,10,11,14,17,28,
CYCLOHEXANE	01,02,10,11,14,17,26,28,
METHYL TERT BUTYL ETHER	01,10,11,24,26,
BENZENE	01,02,03,04,06,10,11,14,17,18,20,26,
TETRAETHYLLEAD	02,10,11,14,17,28,
O-XYLENE(1,2-DIMETHYL BENZENE)	01,02,10,11,14,15,17,18,26,28,
GASOLINE (GENERIC)	04,08,14,15,17,18,20,

REGULATORY LISTS:

01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=MI 406	06=IARC Group 1
07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA PEL	18=OSHA STEL
19=Chevron TLV	20=EPA Carcinogen	21=TSCA SECT 4
22=TSCA SECT 5 SNUR	23=TSCA SECT 6 RULE	24=TSCA SECT 12 EXPORT
25=TSCA SECT 8A CAIR	26=TSCA SECT 8D REPORT	27=TSCA SECT 8E
28=Canadian WHMIS		

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:
NDA. The hazard evaluation was based on data from similar materials.
SKIN IRRITATION:
This material was not a skin sensitizer in the modified Buehler Guinea Pig Sensitization Test.
DERMAL TOXICITY:
NDA. The hazard evaluation was based on data from similar materials.
RESPIRATORY/INHALATION:
NDA. The hazard evaluation was based on data from similar materials.
INGESTION:
NDA. The hazard evaluation was based on data from similar materials.
ADDITIONAL TOXICOLOGY DATA:
Lifetime inhalation of whole gasoline vapor has caused increased liver tumors in female mice. The mechanism of this response is still being investigated but it is thought to be an epigenetic process unique to the female mouse. Inhalation exposure to whole gasoline vapor also caused kidney damage and eventually kidney cancer in male rats.

No other animal model studied has shown these adverse kidney effects and there is no physiological reason to believe that they would occur in man. The cause of the kidney toxicity is thought to be due to the interaction of isoparaffin hydrocarbons in the product with a specific serum protein, alpha-2-microglobulin. Male rats synthesize large amounts of this protein which is filtered, reabsorbed, and degraded by their kidneys. Isoparaffins or their metabolites combine with this protein and make it "undigestable" by the kidney proteases. With repeated exposure, the

Reauthorization Act of 1986 and 40 CFR Part 372.

1.4 % BENZENE
CAS71432 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
10ppm ACGIH TLV
1ppm OSHA PEL
5ppm OSHA STEL
CERCLA 302.4 RQ=10 POUNDS

Refer to the OSHA Benzene Standard (29 CFR 1910.1028) for detailed training, exposure monitoring, respiratory protection and medical surveillance requirements before using this product.

< 0.2 G/GAL TETRAETHYL LEAD
CAS78002 0.1mg/m3 ACGIH TLV
.075mg/m3 OSHA PEL
SARA 302/304 RQ=10 POUNDS TPQ=100 POUNDS
CERCLA 302.4 RQ=10 POUNDS

2.2 % XYLENE-O
CAS95476 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

TLV - Threshold Limit Value
STEL - Short-term Exposure Limit
RQ - Reportable Quantity
CC - Chevron Chemical Company
PEL - Permissible Exposure Limit
TPQ - Threshold Planning Quantity
CPS - CUSA Product Code
CAS - Chemical Abstract Service Number

10. REGULATORY INFORMATION

DOT SHIPPING NAME: GASOLINE
DOT HAZARD CLASS: FLAMMABLE LIQUID
DOT IDENTIFICATION NUMBER: UN1203

SARA 311 CATEGORIES:
1. Immediate (Acute) Health Effects: YES
2. Delayed (Chronic) Health Effects; YES
3. Fire Hazard; YES
4. Sudden Release of Pressure Hazard; NO
5. Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

ETHYLBENZENE 01,02,10,11,14,15,17,18,26,28,

300ppm OSHA PEL
500ppm OSHA STEL

1.4 % ETHYLBENZENE
CAS100414 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
125ppm ACGIH STEL
100ppm OSHA PEL
125ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

0.9 % XYLENE-P
CAS106423 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
CERCLA 302.4 RQ=1000 POUNDS

4.6 % XYLENE-M
CAS108383 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

6.5 % TOLUENE
CAS108883 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

3.0 % HEXANE
CAS110543 50ppm ACGIH TLV
50ppm OSHA PEL

2.4 % CYCLOHEXANE
CAS110827 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
300ppm ACGIH TLV
300ppm OSHA PEL
CERCLA 302.4 RQ=1000 POUNDS

15.0 % METHYL TERT BUTYL ETHER
CAS1634044 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and

APPEARANCE: Orange to bronze liquid.
BOILING POINT: 25 - 225C (Variable)
MELTING POINT: NA
EVAPORATION: NDA
SPECIFIC GRAVITY: 0.7 - 0.8
VAPOR PRESSURE: 5 - 15PSI (max.) @ 100F (Variable)
PERCENT VOLATILE (VOLUME %): 99+%
VAPOR DENSITY (AIR=1): 3-4

8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hour).
SPILL/LEAK PRECAUTIONS:
Certain geographical areas have air pollution restrictions concerning the use of materials in work situations which may release volatile components to the atmosphere. Air pollution regulations should be studied to determine if this material is regulated in the area where it is to be used.

This material is considered to be a water pollutant and releases of this product should be prevented from contaminating soil and water and from entering drainage and sewer systems. Eliminate all sources of ignition in vicinity of spill or released vapor. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.
DISPOSAL METHODS:
Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

PERCENT/CAS#	COMPONENT/REGULATORY LIMITS
100.0 %	CHEVRON Regular Gasoline
CONTAINING	
100.0 %	GASOLINE (GENERIC) 300ppm ACGIH TLV 500ppm ACGIH STEL

FLAMMABILITY: 1.4 - 7.6%
EXTINGUISHING MEDIA:
CO2, Dry Chemical, Alcohol Foam and Water Fog.
NFPA RATINGS: Health 1; Flammability 3; Reactivity 0; Special NDA;
HMIS RATINGS: Health 2; Flammability 3; Reactivity 0; Other NDA;
(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire document and label before using this product.
FIRE FIGHTING PROCEDURES:
This product presents an extreme fire hazard. Liquid very quickly evaporates, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches.

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire document.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:
NDA.
STABILITY:
Stable.
HAZARDOUS POLYMERIZATION:
Polymerization will not occur.
INCOMPATIBILITY:
May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
SPECIAL PRECAUTIONS:
Never siphon gasoline by mouth. READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. Use only as a motor fuel. Do not use for cleaning, pressure appliance fuel, or any other such use. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed. DO NOT TRANSFER LIQUID TO AN UNLABELED CONTAINER. DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbons; insoluble in water.

from similar materials.
RESPIRATORY/INHALATION:
This substance is slightly toxic to internal organs if inhaled. The degree of injury will depend on the airborne concentration and duration of exposure. The target organ(s) is the nervous system. Inhalation of gasoline vapor at airborne concentrations exceeding 1000 ppm may cause signs and symptoms of central nervous system effects such as headache, dizziness, loss of appetite, weakness and loss of coordination. Vapor concentrations in excess of 5000 ppm may cause loss of consciousness, coma and death. Brief exposures to high vapor concentrations may also cause pulmonary edema and bronchitis. Intentional exposures to excessively high concentrations (e.g., when used as a drug of abuse) have been reported to result in clinical manifestations that may include convulsions, delirium, and hallucinations. These manifestations are not known to occur following accidental inhalation of gasoline vapor during normal operations. This hazard evaluation is based on data from similar materials.
INGESTION:
This substance is slightly toxic to internal organs if swallowed. The degree of injury will depend on the amount absorbed from the gut. The target organ(s) is the nervous system. Signs and symptoms of central nervous system effects may include one or more of the following: headache, dizziness, loss of appetite, weakness and loss of coordination. Because of the low viscosity of this substance, it can directly enter the lungs if it is swallowed (this is called aspiration). This can occur during the act of swallowing or when vomiting the substance. Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death. This hazard evaluation is based on data from similar materials.

4. PROTECTIVE EQUIPMENT

EYE PROTECTION:
Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.
SKIN PROTECTION:
Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.
RESPIRATORY PROTECTION:
No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required. Refer to the OSHA Benzene Standard to determine what type of respirator is required based on exposure levels.
VENTILATION:
Use this material only in well ventilated areas.

5. FIRE PROTECTION

FLASH POINT: (P-M) < -49F (-45C)
AUTOIGNITION: NDA

X-000621 (01-89)

and death. Brief exposures to high vapor concentrations may also cause pulmonary edema and bronchitis. Intentional exposures to excessively high concentrations (e.g., when used as a drug of abuse) have been reported to result in clinical manifestations that may include convulsions, delirium, and hallucinations. These manifestations are not known to occur following accidental inhalation of gasoline vapor during normal operations.

INGESTION:

This substance is slightly toxic to internal organs if swallowed. The degree of injury will depend on the amount absorbed from the gut. The target organ(s) is the nervous system. Signs and symptoms of central nervous system effects may include one or more of the following: headache, dizziness, loss of appetite, weakness and loss of coordination. Because of the low viscosity of this substance, it can directly enter the lungs if it is swallowed (this is called aspiration). This can occur during the act of swallowing or when vomiting the substance. Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death.

4. PROTECTIVE EQUIPMENT

EYE PROTECTION:

Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.

SKIN PROTECTION:

No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.

RESPIRATORY PROTECTION:

No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required. Refer to the OSHA Benzene Standard to determine what type of respirator is required based on exposure levels.

VENTILATION:

Use this material only in well ventilated areas.

5. FIRE PROTECTION

FLASH POINT: (P-M) < -49F (-45C)
AUTOIGNITION: NDA
FLAMMABILITY: 1.4 - 7.6%
EXTINGUISHING MEDIA:
CO2, Dry Chemical, Foam and Water Fog.
NFPA RATINGS: Health 1; Flammability 3; Reactivity 0; Special NDA;
HMIS RATINGS: Health 2; Flammability 3; Reactivity 0; Other NDA;
(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire

document and label before using this product.
FIRE FIGHTING PROCEDURES:
This product presents an extreme fire hazard. Liquid very quickly evaporates, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches.

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire document.
COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:
NDA.
STABILITY:
Stable.
HAZARDOUS POLYMERIZATION:
Polymerization will not occur.
INCOMPATIBILITY:
May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
SPECIAL PRECAUTIONS:
Never siphon gasoline by mouth. READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. Use only as a motor fuel. Do not use for cleaning, pressure appliance fuel, or any other such use. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed. DO NOT TRANSFER LIQUID TO AN UNLABELED CONTAINER. DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbons; insoluble in water.
APPEARANCE: Orange to bronze liquid.
BOILING POINT: 25 - 225C (Variable)
MELTING POINT: NA
EVAPORATION: NDA
SPECIFIC GRAVITY: 0.7 - 0.8
VAPOR PRESSURE: 5 - 15PSI (max.) @ 100F (Variable)
PERCENT VOLATILE (VOLUME %): 99+%
VAPOR DENSITY (AIR=1): 3-4

8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hour).
SPILL/LEAK PRECAUTIONS:
Certain geographical areas have air pollution restrictions concerning the use of materials in work situations which may release volatile components to the atmosphere. Air pollution regulations should be studied to determine if this material is regulated in the area where it is to be used.

This material is considered to be a water pollutant and releases of this product should be prevented from contaminating soil and water and from entering drainage and sewer systems. Eliminate all sources of ignition in vicinity of spill or released vapor. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.
DISPOSAL METHODS:
Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

PERCENT/CAS#	COMPONENT/REGULATORY LIMITS
100.0 %	CHEVRON Unleaded Gasoline
CONTAINING	
< 1.4 %	ETHYLBENZENE
CAS100414	A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. 100ppm ACGIH TLV 125ppm ACGIH STEL 100ppm OSHA PEL 125ppm OSHA STEL CERCLA 302.4 RQ=1000 POUNDS
< 0.9 %	XYLENE-P

CAS106423 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
CERCLA 302.4 RQ=1000 POUNDS

< 4.6 % XYLENE-M
CAS106383 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

< 6.5 % TOLUENE
CAS108883 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

< 3.0 % HEXANE
CAS110543 50ppm ACGIH TLV
50ppm OSHA PEL

< 2.4 % CYCLOHEXANE
CAS110827 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
300ppm ACGIH TLV
300ppm OSHA PEL
CERCLA 302.4 RQ=1000 POUNDS

< 15.0 % METHYL TERT BUTYL ETHER
CAS1634044 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

< 4.9 % BENZENE
CAS71432 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
10ppm ACGIH TLV
1ppm OSHA PEL
5ppm OSHA STEL
CERCLA 302.4 RQ=10 POUNDS

Refer to the OSHA Benzene Standard (29 CFR 1910.1028) for detailed training, exposure monitoring, respiratory protection and medical surveillance requirements before using this product.

< 2.2 % XYLENE-O
CAS95476 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

100.0 % GASOLINE (GENERIC)
300ppm ACGIH TLV
500ppm ACGIH STEL
300ppm OSHA PEL
500ppm OSHA STEL

TLV - Threshold Limit Value
STEL - Short-term Exposure Limit
RQ - Reportable Quantity
CC - Chevron Chemical Company
PEL - Permissible Exposure Limit
TPQ - Threshold Planning Quantity
CPS - CUSA Product Code
CAS - Chemical Abstract Service Number

10. REGULATORY INFORMATION

DOT SHIPPING NAME: GASOLINE
DOT HAZARD CLASS: FLAMMABLE LIQUID
DOT IDENTIFICATION NUMBER: UN1203

SARA 311 CATEGORIES:
1. Immediate (Acute) Health Effects; YES
2. Delayed (Chronic) Health Effects; YES
3. Fire Hazard; YES
4. Sudden Release of Pressure Hazard; NO
5. Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

ETHYLBENZENE	01,02,10,11,14,15,17,18,26,28,
P-XYLENE(1,4-DIMETHYL BENZENE)	01,02,10,11,26,28,
M-XYLENE	01,02,10,11,14,15,17,18,26,28,
TOLUENE	01,02,10,11,14,15,17,18,26,28,
HEXANE	02,10,11,14,17,28,
CYCLOHEXANE	01,02,10,11,14,17,26,28,
METHYL TERT BUTYL ETHER	01,10,11,24,26,
BENZENE	01,02,03,04,06,10,11,14,17,18,20,28,
O-XYLENE(1,2-DIMETHYL BENZENE)	01,02,10,11,14,15,17,18,26,28,
GASOLINE (GENERIC)	04,08,14,15,17,18,20,

REGULATORY LISTS:

01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=MI 406	06=IARC Group 1

07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA PEL	18=OSHA STEL
19=Chevron TLV	20=EPA Carcinogen	21=TSCA SECT 4
22=TSCA SECT 5 SNUR	23=TSCA SECT 6 RULE	24=TSCA SECT 12 EXPORT
25=TSCA SECT 8A CAIR	26=TSCA SECT 8D REPORT	27=TSCA SECT 8E
28=Canadian WHMIS		

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:
The Draize Eye Irritation Score (range, 0-110) in rabbits is 0.
SKIN IRRITATION:
The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 0.98. This material was not a skin sensitizer in the modified Buehler Guinea Pig Sensitization Test.
DERMAL TOXICITY:
The dermal LD50 in rabbits is > 5 ml/kg.
RESPIRATORY/INHALATION:
NDA.
INGESTION:
The oral LD50 in rats is > 5 ml/kg.
ADDITIONAL TOXICOLOGY DATA:
Lifetime inhalation of whole gasoline vapor has caused increased liver tumors in female mice. The mechanism of this response is still being investigated but it is thought to be an epigenetic process unique to the female mouse. Inhalation exposure to whole gasoline vapor also caused kidney damage and eventually kidney cancer in male rats.

No other animal model studied has shown these adverse kidney effects and there is no physiological reason to believe that they would occur in man. The cause of the kidney toxicity is thought to be due to the interaction of isoparaffin hydrocarbons in the product with a specific serum protein, alpha-2-microglobulin. Male rats synthesis large amounts of this protein which is filtered, reabsorbed, and degraded by their kidneys. Isoparaffins or their metabolites combine with this protein and make it "undigestable" by the kidney proteases. With repeated exposure, the protein-isoparaffin complex accumulates in the kidney tubules causing significant cell death and regrowth. It is thought that this continuous kidney injury may contribute to the eventual development of the tumors.

The data above is obtained from studies sponsored by the American Petroleum Institute (API).

12. ADDITIONAL HEALTH DATA

ADDITIONAL HEALTH DATA COMMENT:
This product contains benzene. The OSHA Benzene Standard (29 CFR 1910.1028) contains detailed requirements for training, exposure

monitoring, respiratory protection and medical surveillance triggered by the exposure level. Refer to the OSHA Standard before using this product. Repeated or prolonged breathing of benzene vapors has been associated with the development of chromosomal damage in experimental animals and various blood diseases in humans ranging from aplastic anemia to leukemia (a form of cancer). All of these diseases can be fatal. No birth defects have been shown to occur in pregnant laboratory animals exposed to doses not toxic to the mother. However, some evidence of fetal toxicity such as delayed physical development has been seen at such levels. The available information on the effects of benzene on human pregnancies is inadequate but it has been established that benzene can cross the human placenta.

This product contains n-hexane. Prolonged or repeated skin contact or breathing of vapors may cause nerve damage characterized by progressive weakness and numbness in the arms and legs. Recovery ranges from no recovery to complete recovery depending upon the severity of the nerve damage.

This product contains toluene. Toluene has been reported to decrease immunological responses in test animals. It has also been reported that when young rats were exposed to 1000 ppm toluene for 14 hours daily, for two weeks, irreversible hearing loss was detected. The same daily exposure to 700 ppm for as long as 16 weeks was without effect. Since the level necessary to produce hearing loss is greater than 7 times the 1987-88 ACGIH TLV for toluene, worker exposures at or below 100 ppm is not expected to cause any adverse effect. There are also reports that chronic abusers (glue sniffers, solvent huffers) of solvents containing toluene have suffered liver, kidney and brain damage. Scientific studies on toluene have failed to demonstrate birth defects in rats and mice. However, toluene has been shown to cause delayed growth and extra ribs in the offspring of rats and mice at inhaled doses (266-399 ppm) that were non-toxic to the mother. Toluene has not conclusively been shown to cause adverse reproductive effects in humans.

This product contains xylene, a chemical that has been reported to cause developmental toxicity in rats and mice exposed by inhalation during pregnancy. The effects noted consisted of delayed development and minor skeletal variations; additionally, when pregnant mice were exposed by ingestion to a level that killed nearly one-third of the test group, lethality (resorptions) and malformations (primarily cleft palate) occurred. Malformations have not been reported following inhalation exposure. Because of the very high levels of exposure used in these studies, we do not believe that their results imply an increased risk of reproductive toxicity to workers exposed to xylene levels at or below the exposure standard.

Xylene has given negative results in several mutagen testing assays including the Ames assay. In a cancer study sponsored by the National Toxicology Program (NTP), technical grade xylene gave no evidence of carcinogenicity in rats or mice dosed daily for two years.

Whole gasoline exhaust was reviewed by the International Agency for Research on Cancer (IARC) in their Monograph Volume 46 (1989). Evidence for causing cancer was considered inadequate in animals and inadequate in

humans. IARC placed this material in Category 2B, considering it possibly carcinogenic to humans.

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The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Chevron

Material Safety Data Sheet

CHEVRON Supreme Unleaded Gasoline CPS201060

GROUND WATER TECHNOLOGY
ATT: JIM MC HARRY
2646 PALMA
SUITE 230
VENTURA, CA 93003

Print Date: August 08, 1990

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

Revised to update Sections 1, 10, 11 and 12.

1. PRODUCT IDENTIFICATION

CHEVRON Supreme Unleaded Gasoline

DANGER! - HARMFUL OR FATAL IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE
- VAPOR HARMFUL
- LONG-TERM EXPOSURE TO VAPOR HAS CAUSED CANCER IN LABORATORY ANIMALS
- MAY CAUSE EYE AND SKIN IRRITATION
- EXTREMELY FLAMMABLE
- KEEP OUT OF REACH OF CHILDREN

PRODUCT NUMBER(S): CPS201060
PRODUCT INFORMATION: (800)582-3835

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Chevron Environmental Health Center, Inc., P.O. Box 4054, Richmond, CA 94804.

2. FIRST AID - EMERGENCY PHONE NUMBER (800) 457-2022

EYE CONTACT:
Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary, however, if irritation persists, see a doctor.
SKIN CONTACT:
No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.
INHALATION:
If respiratory irritation or any signs or symptoms as described in this document occur, move the person to fresh air. If any of these effects continue, see a doctor.
INGESTION:
If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital. Note to Physician: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

3. IMMEDIATE HEALTH EFFECTS - (ALSO SEE SECTIONS 11 & 12)

EYE CONTACT:
This substance is slightly irritating to the eyes and could cause prolonged (days) impairment of your vision. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain, tears, swelling, redness, and blurred vision. Eye contact with the vapors, fumes, or spray mist from this substance could also cause similar signs and symptoms.
SKIN IRRITATION:
Prolonged or frequently repeated contact may cause the skin to become cracked or dry from the defatting action of this material.
DERMAL TOXICITY:
If absorbed through the skin, this substance is considered practically non-toxic to internal organs.
RESPIRATORY/INHALATION:
This substance is slightly toxic to internal organs if inhaled. The degree of injury will depend on the airborne concentration and duration of exposure. The target organ(s) is the nervous system. Inhalation of gasoline vapor at airborne concentrations exceeding 1000 ppm may cause signs and symptoms of central nervous system effects such as headache, dizziness, loss of appetite, weakness and loss of coordination. Vapor concentrations in excess of 5000 ppm may cause loss of consciousness, coma and death. Brief exposures to high vapor concentrations may also cause pulmonary edema and bronchitis. Intentional exposures to excessively high

concentrations (e.g., when used as a drug of abuse) have been reported to result in clinical manifestations that may include convulsions, delirium, and hallucinations. These manifestations are not known to occur following accidental inhalation of gasoline vapor during normal operations.
INGESTION:
This substance is slightly toxic to internal organs if swallowed. The degree of injury will depend on the amount absorbed from the gut. The target organ(s) is the nervous system. Signs and symptoms of central nervous system effects may include one or more of the following: headache, dizziness, loss of appetite, weakness and loss of coordination. Because of the low viscosity of this substance, it can directly enter the lungs if it is swallowed (this is called aspiration). This can occur during the act of swallowing or when vomiting the substance. Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death.

4. PROTECTIVE EQUIPMENT

EYE PROTECTION:
Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.
SKIN PROTECTION:
No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.
RESPIRATORY PROTECTION:
No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required. Refer to the OSHA Benzene Standard to determine what type of respirator is required based on exposure levels.
VENTILATION:
Use this material only in well ventilated areas.

5. FIRE PROTECTION

FLASH POINT: (P-M) < -49F (-45C)
AUTOIGNITION: NDA
FLAMMABILITY: 1.4 - 7.6%
EXTINGUISHING MEDIA:
CO2, Dry Chemical, Alcohol Foam and Water Fog.
NFPA RATINGS: Health 1; Flammability 3; Reactivity 0; Special NDA;
HMIS RATINGS: Health 2; Flammability 3; Reactivity 0; Other NDA;
(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire document and label before using this product.
FIRE FIGHTING PROCEDURES:

This product presents an extreme fire hazard. Liquid very quickly evaporates, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches.

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire document.

COMBUSTION PRODUCTS:
Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:
NDA.
STABILITY:
Stable.
HAZARDOUS POLYMERIZATION:
Polymerization will not occur.
INCOMPATIBILITY:
May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
SPECIAL PRECAUTIONS:
Never siphon gasoline by mouth. READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. Use only as a motor fuel. Do not use for cleaning, pressure appliance fuel, or any other such use. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed. DO NOT TRANSFER LIQUID TO AN UNLABELED CONTAINER. DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbons; insoluble in water.
APPEARANCE: Red liquid.
BOILING POINT: 25 - 225C (Variable)
MELTING POINT: NA
EVAPORATION: NDA
SPECIFIC GRAVITY: 0.7 - 0.8
VAPOR PRESSURE: 5 - 15PSI (max.) @ 100F (Variable)
PERCENT VOLATILE (VOLUME %): 99+%
VAPOR DENSITY (AIR=1): 3-4

8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hour).
SPILL/LEAK PRECAUTIONS:
Certain geographical areas have air pollution restrictions concerning the use of materials in work situations which may release volatile components to the atmosphere. Air pollution regulations should be studied to determine if this material is regulated in the area where it is to be used.

This material is considered to be a water pollutant and releases of this product should be prevented from contaminating soil and water and from entering drainage and sewer systems. Eliminate all sources of ignition in vicinity of spill or released vapor. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.
DISPOSAL METHODS:
Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

COMPOSITION COMMENT:
All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

PERCENT/CAS#	COMPONENT/REGULATORY LIMITS
100.0 %	CHEVRON Supreme Unleaded Gasoline
CONTAINING	
100.0 %	GASOLINE (GENERIC) 300ppm ACGIH TLV 500ppm ACGIH STEL 300ppm OSHA PEL 500ppm OSHA STEL
< 4.0 % CAS100414	ETHYLBENZENE A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

100ppm ACGIH TLV
125ppm ACGIH STEL
100ppm OSHA PEL
125ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

< 4.3 % XYLENE-P
CAS106423 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
CERCLA 302.4 RQ=1000 POUNDS

< 8.8 % XYLENE-M
CAS108383 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

14.0 % TOLUENE
CAS108883 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

< 5.0 % HEXANE
CAS110543 50ppm ACGIH TLV
50ppm OSHA PEL

< 2.4 % CYCLOHEXANE
CAS110827 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
300ppm ACGIH TLV
300ppm OSHA PEL
CERCLA 302.4 RQ=1000 POUNDS

< 15.0 % METHYL TERT BUTYL ETHER
CAS1634044 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

< 4.9 % BENZENE
CAS71432 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
10ppm ACGIH TLV

1ppm OSHA PEL
5ppm OSHA STEL
CERCLA 302.4 RQ=10 POUNDS

Refer to the OSHA Benzene Standard (29 CFR 1910.1028) for detailed training, exposure monitoring, respiratory protection and medical surveillance requirements before using this product.

< 4.3 % XYLENE-O
CAS95476 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

TLV - Threshold Limit Value PEL - Permissible Exposure Limit
STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity
RQ - Reportable Quantity CPS - CUSA Product Code
CC - Chevron Chemical Company CAS - Chemical Abstract Service Number

10. REGULATORY INFORMATION

DOT SHIPPING NAME: GASOLINE
DOT HAZARD CLASS: FLAMMABLE LIQUID
DOT IDENTIFICATION NUMBER: UN1203

SARA 311 CATEGORIES:
1. Immediate (Acute) Health Effects; YES
2. Delayed (Chronic) Health Effects; YES
3. Fire Hazard; YES
4. Sudden Release of Pressure Hazard; NO
5. Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

ETHYLBENZENE	01,02,10,11,14,15,17,18,26,28,
P-XYLENE(1,4-DIMETHYL BENZENE)	01,02,10,11,26,28,
M-XYLENE	01,02,10,11,14,15,17,18,26,28,
TOLUENE	01,02,10,11,14,15,17,18,26,28,
HEXANE	02,10,11,14,17,26,
CYCLOHEXANE	01,02,10,11,14,17,26,28,
METHYL TERT BUTYL ETHER	01,10,11,24,26,
BENZENE	01,02,03,04,06,10,11,14,17,18,20,28,
O-XYLENE(1,2-DIMETHYL BENZENE)	01,02,10,11,14,15,17,18,26,28,
GASOLINE (GENERIC)	04,08,14,15,17,18,20,

REGULATORY LISTS:

01=SARA 313 02=MASS RTK 03=NTP Carcinogen

04=CA Prop. 65	05=MI 406	06=IARC Group 1
07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA PEL	18=OSHA STEL
19=Chevron TLV	20=EPA Carcinogen	21=TSCA SECT 4
22=TSCA SECT.5 SNUR	23=TSCA SECT 6 RULE	24=TSCA SECT 12 EXPORT
25=TSCA SECT 8A CAIR	26=TSCA SECT 8D REPORT	27=TSCA SECT 6E
28=Canadian WHMIS		

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:
The Draize Eye Irritation Score (range, 0-110) in rabbits is 0.
SKIN IRRITATION:
The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 0.98. This material was not a skin sensitizer in the modified Buehler Guinea Pig Sensitization Test.
DERMAL TOXICITY:
The dermal LD50 in rabbits is > 5 ml/kg.
RESPIRATORY/INHALATION:
NDA.
INGESTION:
The oral LD50 in rats is > 5 ml/kg.
ADDITIONAL TOXICOLOGY DATA:
Lifetime inhalation of whole gasoline vapor has caused increased liver tumors in female mice. The mechanism of this response is still being investigated but it is thought to be an epigenetic process unique to the female mouse. Inhalation exposure to whole gasoline vapor also caused kidney damage and eventually kidney cancer in male rats.

No other animal model studied has shown these adverse kidney effects and there is no physiological reason to believe that they would occur in man. The cause of the kidney toxicity is thought to be due to the interaction of isoparaffin hydrocarbons in the product with a specific serum protein, alpha-2-microglobulin. Male rats synthesis large amounts of this protein which is filtered, reabsorbed, and degraded by their kidneys. Isoparaffins or their metabolites combine with this protein and make it "undigestable" by the kidney proteases. With repeated exposure, the protein-isoparaffin complex accumulates in the kidney tubules causing significant cell death and regrowth. It is thought that this continuous kidney injury may contribute to the eventual development of the tumors.

The data above is obtained from studies sponsored by the American Petroleum Institute (API).

12. ADDITIONAL HEALTH DATA

ADDITIONAL HEALTH DATA COMMENT:
This product contains benzene. The OSHA Benzene Standard (29 CFR

1910.1028) contains detailed requirements for training, exposure monitoring, respiratory protection and medical surveillance triggered by the exposure level. Refer to the OSHA Standard before using this product. Repeated or prolonged breathing of benzene vapors has been associated with the development of chromosomal damage in experimental animals and various blood diseases in humans ranging from aplastic anemia to leukemia (a form of cancer). All of these diseases can be fatal. No birth defects have been shown to occur in pregnant laboratory animals exposed to doses not toxic to the mother. However, some evidence of fetal toxicity such as delayed physical development has been seen at such levels. The available information on the effects of benzene on human pregnancies is inadequate but it has been established that benzene can cross the human placenta.

This product contains n-hexane. Prolonged or repeated skin contact or breathing of vapors may cause nerve damage characterized by progressive weakness and numbness in the arms and legs. Recovery ranges from no recovery to complete recovery depending upon the severity of the nerve damage.

This product contains toluene. Toluene has been reported to decrease immunological responses in test animals. It has also been reported that when young rats were exposed to 1000 ppm toluene for 14 hours daily, for two weeks, irreversible hearing loss was detected. The same daily exposure to 700 ppm for as long as 16 weeks was without effect. Since the level necessary to produce hearing loss is greater than 7 times the 1987-88 ACGIH TLV for toluene, worker exposures at or below 100 ppm is not expected to cause any adverse effect. There are also reports that chronic abusers (glue sniffers, solvent huffers) of solvents containing toluene have suffered liver, kidney and brain damage. Scientific studies on toluene have failed to demonstrate birth defects in rats and mice. However, toluene has been shown to cause delayed growth and extra ribs in the offspring of rats and mice at inhaled doses (266-399 ppm) that were non-toxic to the mother. Toluene has not conclusively been shown to cause adverse reproductive effects in humans.

This product contains xylene, a chemical that has been reported to cause developmental toxicity in rats and mice exposed by inhalation during pregnancy. The effects noted consisted of delayed development and minor skeletal variations; additionally, when pregnant mice were exposed by ingestion to a level that killed nearly one-third of the test group, lethality (resorptions) and malformations (primarily cleft palate) occurred. Malformations have not been reported following inhalation exposure. Because of the very high levels of exposure used in these studies, we do not believe that their results imply an increased risk of reproductive toxicity to workers exposed to xylene levels at or below the exposure standard.

Xylene has given negative results in several mutagen testing assays including the Ames assay. In a cancer study sponsored by the National Toxicology Program (NTP), technical grade xylene gave no evidence of carcinogenicity in rats or mice dosed daily for two years.

Whole gasoline exhaust was reviewed by the International Agency for Research on Cancer (IARC) in their Monograph Volume 46 (1989). Evidence

for causing cancer was considered inadequate in animals and inadequate in humans. IARC placed this material in Category 2B, considering it possibly carcinogenic to humans.

****

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

APPENDIX 3

AIR MONITORING RESULTS

AMBIENT AIR MONITORING RESULTS

PROJECT NAME:_____

Date	Time	Instrument Used: PID, Hot Wire	Station A Hot Zone	Station B Cool Zone	Station C Site Corner	Station D Site Corner	Station E Site Corner	Station F Site Corner

NOTES:

SIMPLE MAP:
Show stations and wind direction

AMBIENT AIR MONITORING RESULTS

PROJECT NAME:_____

Date	Time	Instrument Used: *PID, Hot Wire*	Station A *Hot Zone*	Station B *Cool Zone*	Station C *Site Corner*	Station D *Site Corner*	Station E *Site Corner*	Station F *Site Corner*

NOTES:

SIMPLE MAP:
Show stations and wind direction

AMBIENT AIR MONITORING RESULTS

PROJECT NAME:_____

Date	Time	Instrument Used: PID, Hot Wire	Station A Hot Zone	Station B Cool Zone	Station C Site Corner	Station D Site Corner	Station E Site Corner	Station F Site Corner

NOTES:

SIMPLE MAP:
Show stations and wind direction

APPENDIX 4

REMEDIATION SYSTEM EMERGENCY RESPONSE

Emergency protocols concerning operation of a remediation system will be addressed in Appendix 4 if and when a system is designed.

APPENDIX 5

COMMUNITY NOTIFICATION

COMMUNITY RIGHT-TO-KNOW NOTIFICATION
THIS SITE IS CLOSED TO THE PUBLIC

Chevron USA (Name of Responsible Party) will be involved in remediation and/or site investigation at their facility located at 7651 Alvarado Road, La Mesa, California (Location).

Activities may include installing monitoring wells, excavating soil, and sampling groundwater and soil (List Site Tasks).

site investigation (Activities) will begin on 3/27/92 (Date) and continue until 12/94 (Date). Onsite work generally will be limited to business hours.

Primary potential hazards include inhalation of vapors and dust, and additional site traffic. (List Primary Hazards)

Every precaution to minimize release of gasoline (What Type) vapors to the atmosphere will be taken.

If excessive odors, noise, or dust, or other safety concerns are noted at the site, please contact the following people:

Mr. Ruben Avilez
Name
CHEVRON U.S.A.
Responsible Party
1-310-694-7304
Telephone No.

Bill Lines/Buff Herbert
Name
Groundwater Technology, Inc.
Contractor /Consultant
1-619-453-8415
Telephone No.

Name: HMMD Specialist

HMMD Contact: Mike Vernetti

Telephone No. 338-2222

If further assistance is required, please contact the following agencies:

Local Police, Fire Department	*San Diego Regional Water Quality Control Board*	*Air Pollution Control Division*
911 for Emergency	Underground Storage Tanks	Enforcement
	619-265-5114	619-694-3340

A copy of the community health and safety plan for remediation activities is available at office of Groundwater Technology, Inc. (Location).

THIS NOTIFICATION COMPLIES WITH RELEVANT REGULATIONS AS SET FORTH IN PROP. 65, UNIFORM BUILDING CODE, AND FEDERAL, STATE AND COUNTY GUIDELINES.

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

April 2, 1992

Mr. Mike Porter
Hazardous Materials Management Division
P.O. Box
San Diego, California

RE: PROPOSED HMMD WORKPLAN

SITE: FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD, LA MESA, CALIFORNIA
HMMD# H12687 -002 T82

Dear Mike:

This letter contains the proposed scope of work for the above referenced site. The work completed in the past is summarized in the Tank Removal Report dated November 8, 1991. Past work included the removal of three underground gasoline storage tanks and one used-oil tank on June 13, 1991. Analytical results of soil samples collected from the tank pits, product lines, pump islands, and various test pits are summarized in the report. In summary, areas beneath the pump islands and used-oil tank contained petroleum hydrocarbons. Soils excavated from the gasoline tank pit were characterized according to HMMD guidelines. Upon your verbal approval these soils were backfilled in the original excavation. Soils excavated from the used oil tank pit were characterized and remain on site. These soils will be combined with soils from future excavation activities in that area, and characterized prior to treatment and/or disposal.

On March 27, 1992 three monitoring wells were installed. A site location map and site map, indicating the approximate locations of the wells, are attached. A summary of the well construction and soil sampling will be included in the next report. During the week of April 6 to 10, 1992 Groundwater Technology will survey, develop, monitor, and sample the wells. The scope of work is as follows:

- Complete a top of casing and well location survey of the monitoring wells. ✓
- Gauge the monitoring wells for depth to water, depth to bottom and the presence of separate-phase hydrocarbons with an interface probe. ✓
- Develop the groundwater monitoring wells, while purging, by a combination of surging and over pumping with a vacuum truck. ✓
- Collect groundwater samples from all monitoring wells and submit them for laboratory analysis of purgeable aromatics and total petroleum hydrocarbons as gasoline by Modified EPA Methods 8020/8015. ✓

survey → stream elevation

black

023402348
2346WKP4.02

The second phase of work proposed for the site involves excavation of hydrocarbon-bearing soil. The areas to be excavated are indicated on the attached figures. Beginning on April 6, 1992 Groundwater Technology will begin excavating the areas beneath the former pump islands and used-oil tank. As stated in the Tank Removal Report dated November 8, 1991, areas with hydrocarbon-bearing soil are limited to beneath the former pump islands and used oil tank. Hydrocarbon bearing soil was observed within the Stadium Conglomerate. This formation has been difficult to remediate with in-situ methods. Therefore, soil remediation will require excavation prior to treatment and/or disposal.

Prior to beginning the excavation activities Groundwater Technology will prepare a Community Health and Safety Plan as requested by the Hazardous Materials Management Division (HMMD). A copy of the plan will be submitted to the HMMD and Chevron by April 6, 1992. The original will be kept on file at Groundwater Technology's San Diego office. The scope of work for excavation is as follows:

- Continue excavation activities in the areas north of pump islands "P2" and "P3", beneath pump island "P1", and the former used oil tank.
- Excavation will be completed using a track-mounted backhoe. If necessary, heavier equipment will be utilized to excavate in the Stadium Conglomerate.
- Collect soil samples and perform analysis with a mobile laboratory.
- Analyze soil samples collected from beneath the former pump islands for purgeable aromatics and total petroleum hydrocarbons as gasoline in soil by Modified EPA Method 8020/8015.
- Analyze soil samples collected from beneath the former used oil tank for petroleum hydrocarbons in soil by Infrared Modified EPA Method 3550/SM503E/418.1.
- Approximately 500 cubic yards of soil are estimated to be excavated from the area north of pump islands P2 and P3 and approximately 300 cubic yards are estimated to be removed from beneath pump island "P1". Approximately 50 cubic yards of soil are estimated to be excavated from the area beneath the former used oil tank. The attached figures indicate the hydrocarbon distribution and estimated areas to be excavated.
- The extent of the excavation will be based upon mobile laboratory analysis of soil samples and field observations.
- Excavated soils will be segregated and stockpiled on site. Stockpiled soils will be characterized in accordance with the guidelines in the HMMD Site Assessment and Mitigation manual.
- Soil samples collected during stockpile characterization will be submitted to GTEL Environmental Laboratories for analysis.
- A report will be prepared which summarizes the results of the monitoring well installation and sampling activities as well as the soil excavation and characterization activities.

Soil treatment and disposal options can be evaluated based upon review of the report. It is Groundwater Technology, Inc.'s understanding that Chevron's lease on the property expires on May 31, 1992. In order to expedite regulatory closure at the site prior to May 31, 1992, it may be necessary to transport and dispose of excavated soils at an appropriate landfill. Future site activities may include the installation, monitoring, development, purging and sampling of additional groundwater monitoring wells.

If you have any questions, please call the undersigned at (619) 453-8415.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

William M. Lines
Project Geologist

Kathleen S. Gerber
Chevron Project Manager
Hydrogeologist REA 1338

Barry S. Pulver
Senior Geologist
RG 4236 CEG 1364 REA 1053

WL/mm

cc: Mr. Ruben Avilez, Chevron U.S.A., Inc.

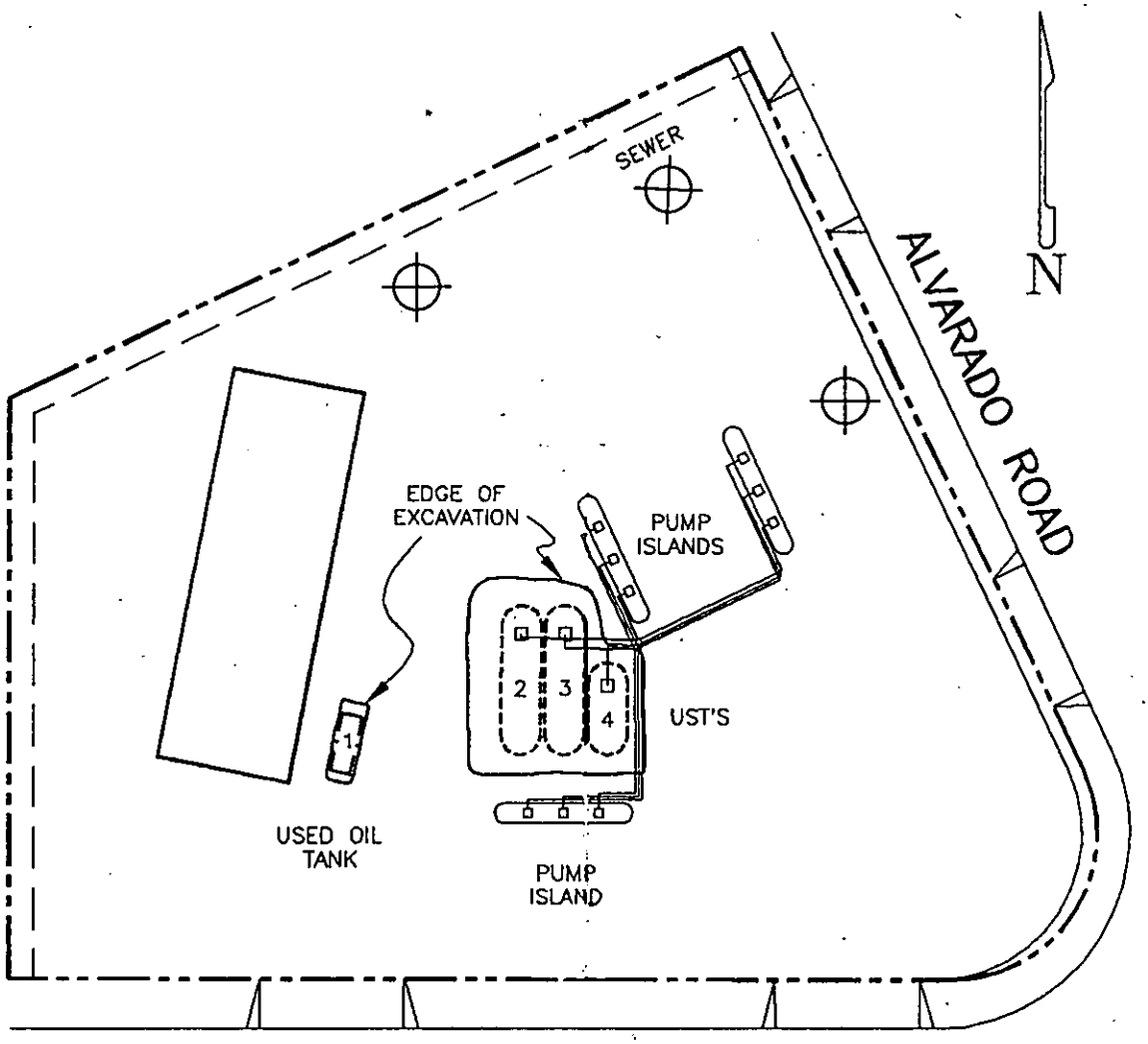


CHEVRON/LA MESA
SS NO. 9-3521

GROUNDWATER TECHNOLOGY, INC.

SITE LOCATION MAP

FIGURE 1



MONITORING WELLS

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL BUILDING, UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-ASI

DRAFTED 11/8/91

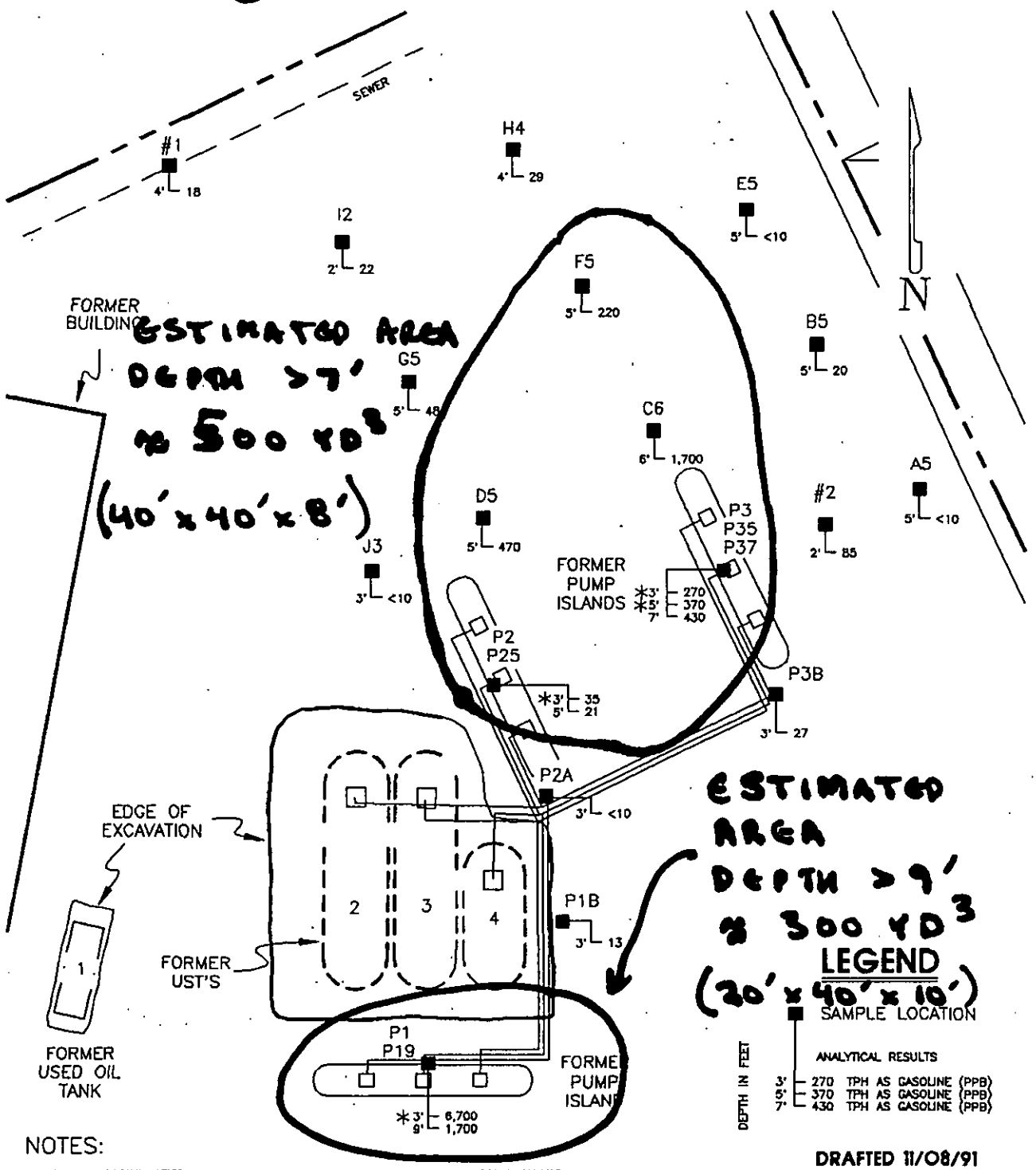
SS No. 9- 3521

CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
023401525

SITE PLAN

FIGURE 2



NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.
3. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
4. * = SAMPLE REPRESENTS EXCAVATED SOIL.

AREAS TO BE EXCAVATED

DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023401525

GROUNDWATER TECHNOLOGY, INC.

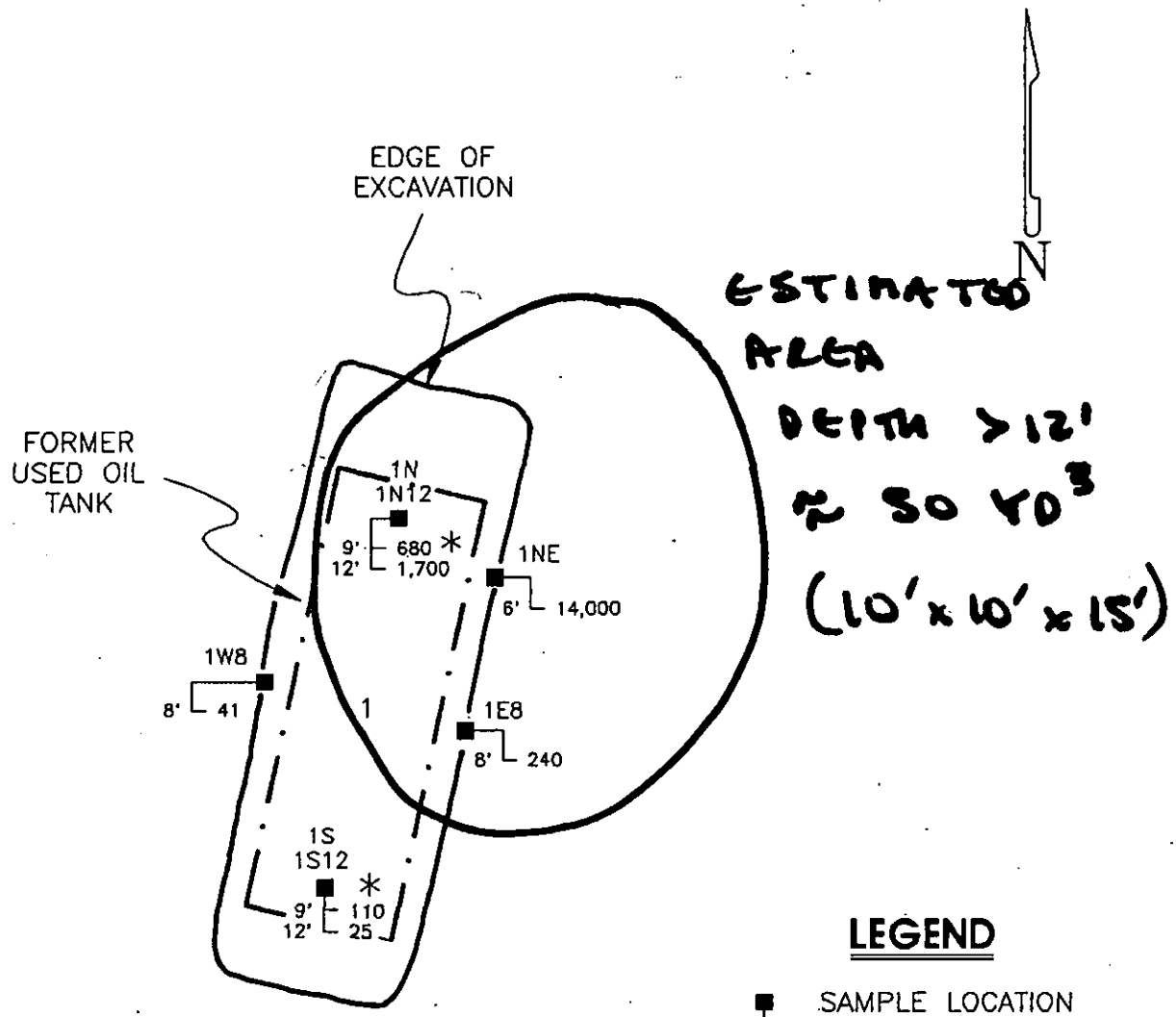
1525–TPP

0 20 40

APPROX SCALE IN FEET

TPH IN SOIL- PUMP ISLANDS, PRODUCT LINES, TEST PITS

FIGURE 6



LEGEND

SAMPLE LOCATION

ANALYTICAL RESULTS

DEPTH IN FEET

9' — 680 TPH_m AS USED OIL (PPM)

12' — 1,700 TPH_m AS USED OIL (PPM)

NOTES:

1. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.
2. TPH AS USED OIL BY EPA METHOD 418.1
3. * = SAMPLE REPRESENTS EXCAVATED SOIL

0 5 10

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-TSU

DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO ROAD

LA MESA, CA

023401625

TPH IN SOIL-USED OIL TANK PIT

FIGURE 4

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

RECEIVED
MAR 26 11 36 AM '92
HEALTH SERVICES

March 11, 1992

Chevron Service Station 9-3521
7651 Alvarado Road
La Mesa, California

✓ MCP

H 12687-001

Mr. Mike Porter
County of San Diego, HMMD
P.O. Box 85261
San Diego, CA 92138-5261

Dear Mr. Porter:

This letter has been prepared to inform your office of an internal transfer of the environmental project to a new Environmental Engineer.

Chevron U.S.A. Products Company requests that all future correspondence and communication on the above referenced project be addressed to: Mr. Ruben O. Avilez, P.O. Box 2833, La Habra, CA 90632-2833.

Mr. Avilez can be contacted at (310) 694-7304 if you have any further questions regarding this project.

Very truly yours,

Ruben Avilez for JDF

J. D. Fruin
Site Assessment and Remediation Manager

SMF/2-34D/056
cc: R. O. Avilez
J. P. Gallagher
Property Development Specialist

PERMIT APPLICATION FOR
GROUND WATER AND VADOSE MONITORING WELLS

change of driller to #W92595

ASSESSORS PARCEL NO.	PROPOSED DRILLING DATE	NO. OF WELLS TO BE CONSTRUCTED
470-020-12	3/25/92	3

SITE NAME: Chevron/La Mesa

SITE ADDRESS — STREET: 7651 Alvarado Rd, CITY: La Mesa, ZIP: Calif. 92041

PROPERTY OWNER (NAME): Chevron USA — PHONE NO.: (213) 694-7903

MAILING ADDRESS — STREET: P.O. Box 2833, CITY: La Habra, ZIP: Calif. 90632

DRILLER(NAME): ~~Alan D Luther Jr.~~ Bernard Dr. Luther — LICENSE NO.: ~~#544260~~ GMP AL 512010 — PHONE NO.: (714) 727-1217

MAILING ADDRESS — STREET: 32 Mauchly Blvd, CITY: Unit #B, Irvine, ZIP: Cal. 92718

REGISTERED GEOLOGIST/ENGINEERING GEOLOGIST/CIVIL ENGINEER (RG/CEG/RCE): Gary Pischke — REG #: 1501 — PHONE NO.: (619) 453-8415

MAILING ADDRESS — STREET: Groundwtr Tech., CITY: 9940 Mesa Rim Rd, Ste B, ZIP: San Diego, 92121

BOND POSTED: [X] YES [ ] NO

TYPE OF WELL: [X] GROUND WATER [ ] BORING [ ] VADOSE [ ] OTHER _____

DRILLING METHOD: [X] AUGER [ ] AIR ROTARY [ ] MUD ROTARY [ ] PERCUSSION [ ] OTHER _____

MATERIALS TO BE USED

CASING
- TYPE: PVC
- GAUGE: Sch 40
- DIAMETER: 4"
- WELL SCREEN SIZE: 0.020"
- FILTER PACK Specify: #3 sand

SEAL
- [ ] NEAT CEMENT
- [X] CEMENT & BENTONITE
- [ ] OTHER _____

PROPOSED CONSTRUCTION

Estimated ground water depth 7-8 ft

CEMENT SEAL	0	TO	1
BENTONITE SEAL	1	TO	4
FILTER PACK	4	TO	15
PERFORATION	5	TO	15

NOTE: For wells with multiple completion attach a well construction diagram

I hereby agree to comply with all regualations of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

[signature] — DRILLER SIGNATURE — DATE: 3/26/92 ~~3/23/92~~

Within 30 days of well completion, I will furnish the Department of Health Services with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application

[signature] — RG/CEG/RCE SIGNATURE — DATE: 3/23/92

DISPOSITION OF APPLICATION [X] APPROVED [ ] DENIED

CONDITIONS: Permit revised for new driller listed above. Same conditions apply as stated as original permit

[signature] — HEALTH OFFICER — DATE: 3/26/92

OFFICE USE ONLY

NUMBER OF WELLS TO BE CONSTRUCTED _____ X $150.00 = $ _____ AMOUNT DUE — ESTABLISHMENT # H12687

CHECK NO. _____ DATE _____ PROCESSED BY _____ — PERMIT # W92595 Revised

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
DHS:HM-9060 (11/91)

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA. 92186-5261 (619) 338-2222

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

RECEIVED
MAR 24 11 48 AM '92
ENVIRONMENTAL HEALTH SERVICES

March 13, 1992

Mr. Mike Porter
Hazardous Materials Management Division
P.O. Box 85261
San Diego, California 92138-5261

H12687-002

RE: STOCKPILED USED-OIL BEARING SOIL

SITE: FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA 92041

Dear Mike:

This letter summarizes the soil excavation and stockpiling activities completed in the vicinity of the former used oil tank at the Chevron La Mesa site. It also includes a summary of the proposed future activities for this area.

The used oil tank removal on June 14, 1992 resulted in the excavation and stockpiling of approximately 50 cubic yards of used-oil bearing soil. Analytical results of two soil samples collected from the stockpile indicated TPH_{if} concentrations of 240 and 2,400 parts per million. Groundwater Technology's report dated November 8, 1991 describes the site activities in greater detail. The report states that "Soils from future excavation activities will be added to the existing stockpile at which time a full stockpile characterization will be performed prior to disposal.".

The Hazardous Materials Management Division (HMMD) Site Assessment and Mitigation guidelines states that "Any stockpiled soil demonstrated by sampling and laboratory analysis, or determined by the generator to be a hazardous waste, must be removed within 90 days of excavation.". The definition of "hazardous waste" under California Code of Regulations Title 22 includes listed wastes and wastes which exhibit the properties of toxicity, corrosivity, ignitability, or reactivity. Groundwater Technology experiences with similiar soils generated at Chevron sites have indicated that the majority of used-oil bearing soils are non-hazardous according to Title 22 criteria.

Groundwater Technology proposes to characterize the soils after the used oil excavation activities are completed. The excavation activities are proposed to begin by April 1992 and is anticipated to be completed by May 1992. If the HMMD does not agree with these proposed activities please notify me.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

William M. Lines
Project Geologist

Barry S. Pulver
Senior Geologist
RG 4236 CEG 1364 REA 1053

FOR KSG

Kathleen S. Gerber
Chevron Project Manager
Hydrogeologist REA 1338

cc: Mr. Ruben Avilez, Chevron U.S.A., Inc.
Mr. Jim Munch, Regional Water Quality Control Board

GROUNDWATER TECHNOLOGY

RECEIVED
MAR 16 12 44 PM '92
ENVIRONMENTAL HEALTH SERVICES

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

March 13, 1992

new project manager

Mr. Ruben Avilez
Chevron U.S.A. Inc.
P.O. Box 2833
La Habra, California 90632-2833

RE: SOIL BACKFILLING ACTIVITIES

SITE: FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD,
LA MESA, CALIFORNIA 92041

Dear Ruben:

This letter summarizes the backfilling activities that were completed at the La Mesa site. The former gasoline tank pit was backfilled by C.R.J., Inc. Construction during January and February 1992. Backfilling activities were delayed due to heavy rains. The excavation was backfilled with approximately 500 cubic yards of soil removed from the tank pit during tank removal activities in June 1991. Approximately 200 cubic yards of fill material was imported to account for the volume of the former underground storage tanks.

Groundwater Technology prepared a Tank Removal Report dated November 8, 1991 which summarized tank removal, soil excavation, and soil characterization activities. The soil stockpiled from the gasoline tank pit was characterized according to guidelines outlined in Section 3 of the San Diego County Hazardous Materials Management Division (HMMD) Site Assessment and Mitigation manual. The soil characterization was completed in accordance with procedures in EPA Publication SW-846. Results of this characterization indicated the benzene, toluene, ethyl-benzene, and xylene concentrations in soil were below 0.1 parts per million and total petroleum hydrocarbon concentrations in soil were below 10 parts per million.

Mr. Michael Porter of the HMMD gave **verbal** permission to backfill the gasoline tank pit soil in a telephone conversation with Groundwater Technology on January 14, 1992. Currently it is not the HMMD's policy to give **written** approval to backfill soils.

023402346
2346L-3.13

If you have any questions or require additional information please call me at (619) 453-8415.

Sincerely,
GROUNDWATER TECHNOLOGY, INC.

William M. Lines
Project Geologist

Barry S. Pulver
Senior Geologist
RG 4236 CEG 1364 REA 1053

Kathleen S. Gerber
Chevron Project Manager
Hydrogeologist REA 1338

cc: Mr. Mike Porter, HMMD
Mr. Jim Munch, Regional Water Quality Board

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

May 4, 1992

Mr. Michael Habib
11462 Shadow Ranch Road
La Mesa, CA 91941

Subject: License Agreement for Environmental Activities at former Chevron station #9-3521, 7651 Alvarado Road, La Mesa, California

Dear Mr. Habib:

I have attached a License Agreement for your review and signature. The attached map shows the location of the three current monitoring wells as well as the location for a possible fourth monitoring well. Additional work may be required by the County of San Diego, Hazardous Materials Management Division, but I do not foresee this as being a problem with your new plans for the property. If you have any questions or comments please contact me at (310) 694-7304.

Sincerely yours,

Ruben Avilez

Ruben Avilez
Environmental Engineer

CHEVRON U.S.A. PRODUCTS COMPANY
P. O. BOX 2833
LA HABRA, CA 90632-2833

LICENSE AGREEMENT

1. Michael Habib, ("Owner") grants to Chevron U.S.A. Products Company, a division of Chevron U.S.A. Inc., a Pennsylvania corporation ("Chevron") a license over, under and across the real property located in the City of La Mesa, County of San Diego, State of California, commonly known as 7651 Alvarado Road, and more fully described in Exhibit 1 hereto, for the following purposes only:

A. Construction, installation, maintenance, inspection operation, and removal of existing and/or new monitoring wells as may be required by the County of San Diego, Hazardous Materials Management Division (herein called "HMMD") and/or other governmental agencies having jurisdiction;

B. Construction, installation, maintenance, inspection, operation, and removal of a hydrocarbon contamination recovery system as required by the HMMD and/or other governmental agencies having jurisdiction; and

C. Access to the wells and the recovery system if required.

2. The license granted herein shall terminate when the last to be removed of the existing wells, any additional wells and the recovery system, if any, is so removed.

3. This license shall run with the land and shall be binding on and shall inure to the benefit of the parties, their heirs, successors and assigns.

4. In consideration of the license granted herein, Chevron shall conduct its environmental investigation and/or remediation, as required by law, at its sole cost and expense.

IN WITNESS WHEREOF, Owner has caused this Agreement to be executed on May 1, 1992.

OWNERS: By:_____

By:_____

CHEVRON U.S.A. PRODUCTS COMPANYBy: Ruben O. Ainley

LEGAL DESCRIPTION

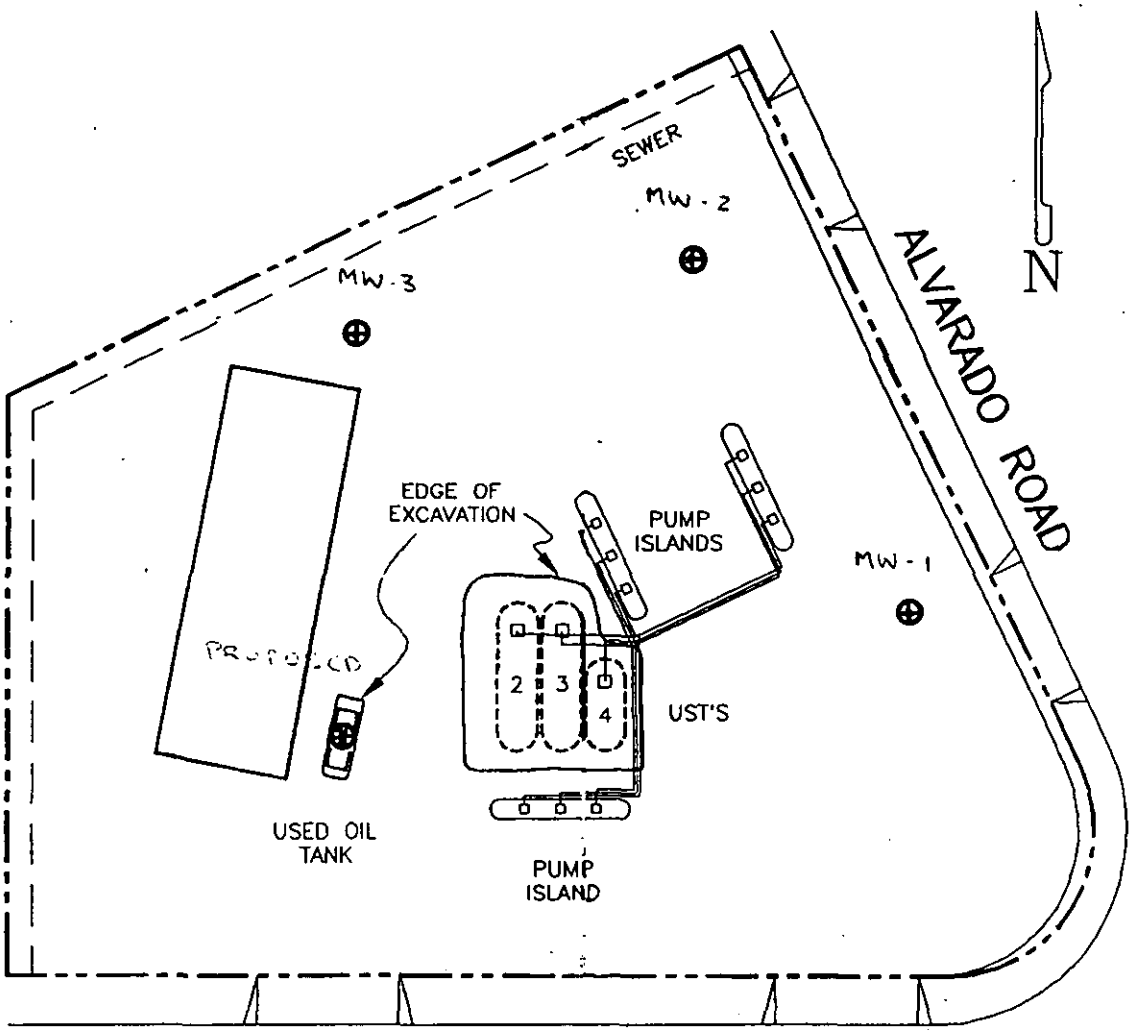
Parcel 1: [illegible] La Mesa Colony, [illegible] No. 346, filed in the office of the County Recorder of said San Diego County, March 8, 1887, described as follows:

BEGINNING at the point of intersection of the Northwesterly right of way line of Comanche Drive, 40.00 feet wide, with the Southwesterly line of the frontage road to Interstate 8 (California State Highway XI-SD-12-LMSA), said Southwesterly line being that certain line shown as having a bearing and length of "South 45° 21' 31" East 272.66 feet" on that certain Relinquishment to the City of La Mesa, recorded August 30, 1956 in Book 6241 page 51 of Official Records, said point being distant North 45° 53' 00" West 18.75 feet, measured along said Southwesterly line from the Southeasterly terminus thereof; thence North 45° 53' 00" West along said Southwesterly line 215.00 feet; thence South 44° 07' 00" West at right angles to said Southwesterly line, 137.30 feet to angle in a line that is at right angles to said Northwesterly line of Comanche Drive and passes through a point that is distant Southwesterly, measured along said Northwesterly line, 217.00 feet from the point of beginning; thence South 20° 21' 18" East at right angles to said Northwesterly line of Comanche Drive 134.63 feet to a point that is distant Southwesterly 217.00 feet from the point of beginning; thence North 69° 38' 42" East along said Northwesterly line of Comanche Drive 217.00 feet to the POINT OF BEGINNING.

Parcel 2: An easement for parking purposes over that portion of the Unnumbered Lot of La Mesa Colony, in the City of La Mesa, County of San Diego, State of California, according to map thereof, No. 346, filed in the office of the County Recorder of said San Diego County, March 8, 1887, described as follows:

COMMENCING at the point of intersection of the Northwesterly right of way line of Comanche Drive, 40.00 feet wide, with the Southwesterly line of the frontage road to Interstate 8 (California State Highway XI-SD-12-LMSA), said Southwesterly line being that certain line shown as having a bearing and length of "South 45° 21' 31" East 272.66 feet" on that certain Relinquishment to the City of La Mesa, recorded August 30, 1956 in Book 6241 page 51 of Official Records, said point being distant North 45° 53' 00" West 18.75 feet, measured along said Southwesterly line from the Southeasterly terminus thereof; thence South 69° 38' 42" West along said Northwesterly line of Comanche Drive a distance of 217.00 feet to the POINT OF BEGINNING; thence South 69° 38' 42" West along said Northwesterly line 25.00 feet; thence North 20° 21' 18" West at right angles to said Northwesterly line 122.19 feet to a point in a line that is at right angles to said Southwesterly line of the frontage road and passes through a point that is distant Northwesterly 215.00 feet, measured along said Southwesterly line, from the point of commencement hereinabove described; thence North 44° 07' 00" East at right angles to said Southwesterly line 27.70 feet to a point in a line that is at right angles to said Northwesterly line of Comanche Drive and passes through the point of beginning; thence South 20° 21' 18" East 134.63 feet to the POINT OF BEGINNING.

BASIS OF BEARINGS



NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL BUILDING, UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.

⊕ MONITORING WELL - LOCATION APPROXIMATE

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-ASI

DRAFTED 11/8/91

SS No. 9- 3521

CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
023401525

SITE PLAN

FIGURE 2

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

RECEIVED
Nov 23 3 55 PM '93
HEALTH SERVICES

November 23, 1993

Tele: 11-23-93 to Vijay Radice - need plot plan for location

Mr. Mike Porter
San Diego County, Site Assessment and Mitigation Division
P.O. Box 85261
San Diego, CA 92138-5261

RE: WORK PLAN FOR THE INSTALLATION OF THREE MONITORING WELLS
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD, LA MESA, CA
APN # 420-020-12
CONTROL # H12687

Dear Mr. Porter:

The following workplan is for installation of three monitoring wells at the above site (Figures 1 and 2). The monitoring well locations were chosen to investigate the groundwater down-gradient of the site.

don't have these

BACKGROUND

The three wells currently present on site were installed by Groundwater Technology in June 1992. Three subsequent episodes of groundwater monitoring have detected no petroleum hydrocarbons in up-gradient well MW1. However, dissolved hydrocarbons have been detected in wells MW-2 and MW-3.

OBJECTIVE

The goals of this investigation are to obtain more data about the petroleum hydrocarbons down-gradient of the former Chevron service station. One of the proposed new wells will be installed in the parking lot of Sally's restaurant (Figure 1). The other two wells will be located in the sidewalk or parking lane of Alvarado Road.

023404779
4778L-11.23/#1

PROPOSED WORK

- Submit an application for SA/M well permits for the three proposed monitoring wells. Also permit the off-site wells with the City of LA Mesa.

- Drill the three wells to 15 feet below grade using a hollow-stem auger rig equipped with 10-inch augers. Soil samples will be collected at 5-foot intervals and will be screened using a Gastech or a photoionization detector (PID). At least one soil sample per boring will be submitted to a State-certified laboratory for analysis of total petroleum hydrocarbons as gasoline (TPH_g) and the purgeable aromatics. This sample will be collected as close to the soil-water interface as possible. In addition, the sample with the highest TPH_g concentration will be analyzed for organic lead; this analysis will not be performed if no TPH_g are detected. If field screening detects high concentrations of hydrocarbons, an additional sample may be submitted to the laboratory for analysis.

- Install three groundwater monitoring wells, which will be set at a depth of 15 feet, and consist of 10 feet of 4-inch Sch. 40 PVC screen with a 5-foot segment of blank casing. The wells will be developed by surging prior to installation of the bentonite seal in accordance with the guidelines in the Site Assessment and Mitigation Manual.

- A site assessment report will be prepared, and results of the soil sampling will be incorporated within the report.

install well @ water when encountered

Groundwater conditions at this site do not represent a continuous, unconfined aquifer because the groundwater occurs in laterally-discontinuous gravel lenses. The new off-site wells will be installed in the same manner as the on-site wells, and it is recognized that one or all the wells may be dry.

The actual drilling date is contingent on our receiving an easement agreement from the neighboring property owner, but is tentatively scheduled for the week of Dec. 6, 1993. Please contact us at (619) 453-8415 if you have any questions regarding this workplan.

Very truly yours,

Groundwater Technology, Inc.
Written/Submitted by

Peter Cwieka

Peter J. Cwieka
Staff Scientist

Groundwater Technology, Inc.
Reviewed/Approved by

Vijayalakshmi Radics

Vijayalakshmi Radics
Chevron Project Manager

cc: Joe McWalters, RWQCB
Jeff Cole, Chevron

GROUNDWATER TECHNOLOGY

Chevron U.S.A. Products Company
1300 South Beach Boulevard, Building 4516, La Habra, California • Phone (310) 694-7300
Mail Address: P.O. Box 2833, La Habra, CA 90632-2833

Marketing Department

February 9, 1993

Fourth Quarter Monitoring Report
HMMD# H12687
Chevron Project # 9-3521
7651 Alvarado
La Mesa, California 92138

Mr. Michael Porter
County of San Diego
Environmental Health Services
Hazardous Materials Management Division
P.O. Box 85261
San Diego, CA 92138-5261

Dear Mr. Porter:

Enclosed is the Quarterly Monitoring Report for the fourth quarter of 1993 for the above referenced site. If you have any questions, please call me at (310) 694-7969.

Sincerely,

REGISTERED GEOLOGIST
JEFFREY E. COLE
No. 5370
STATE OF CALIFORNIA

Jeffrey E. Cole
Project Manager
Environmental Engineer

Enclosure

Mr. C. Walsh California Regional Water Quality Control Board
Ms. V. Radics Groundwater Technology, Inc.

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ENVIRONMENTAL
HEALTH SERVICES

QUARTERLY MONITORING REPORT

FOURTH QUARTER 1992

FORMER CHEVRON SERVICE STATION № 9-3521

7651 ALVARADO ROAD

LA MESA, CALIFORNIA

DELTA PROJECT № 45-92-739

QUARTERLY MONITORING REPORT

FOURTH QUARTER 1992

FORMER CHEVRON SERVICE STATION № 9-3521

7651 ALVARADO ROAD

LA MESA, CALIFORNIA

DELTA PROJECT № 45-92-739

Prepared For:

Mr. Jeffrey Cole
Chevron U.S.A. Products Company
1300 South Beach Boulevard
Building 4516
La Habra, California

Prepared by:

Delta Environmental Consultants, Inc.
27141 Aliso Creek Road, Suite 270
Aliso Viejo, California 92656
(714) 362-3077

February 2, 1993

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QUARTERLY MONITORING REPORT

FOURTH QUARTER 1992
FORMER CHEVRON SERVICE STATION № 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA
DELTA PROJECT № 45-92-739

1.0 INTRODUCTION

Delta Environmental Consultants, Inc. (Delta) was contracted by Chevron U.S.A. Products Company (Chevron) to conduct quarterly sampling of groundwater monitoring wells at Former Chevron Service Station № 9-3521 (the site) located at 7651 Alvarado Road in the City of La Mesa, San Diego County, California (see Figure 1). There are three monitoring wells associated with the site which are identified as MW1 through MW3 (see Figure 2). All of the monitoring wells were purged and sampled on December 1, 1992. Prior to purging, depth to water was measured in each well and is presented with the groundwater elevation data in Table 1. The quarterly monitoring was conducted in accordance with the Field Procedures included in Appendix A. The purging and sampling activities were documented in the field records contained in Appendix B. This report presents the data collected during the fourth quarter monitoring period, October through December, 1992.

2.0 ANALYTICAL RESULTS SUMMARY

All samples were relinquished to Coast-To-Coast Analytical Services, a California Department of Health Services certified laboratory, for chemical analysis. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPH) according to Environmental Protection Agency (EPA) Modified Method 8015; and benzene, toluene, ethylbenzene, and xylenes (BTEX) according to EPA Method 602. The analytical results for TPH ranged in concentration from 11,000 micrograms per liter (μg/L) to below the practical quantitation limit (PQL). The analytical results for benzene ranged in concentration from 32 μg/L to below the PQL. Sample MW-4 was submitted as a duplicate for sample MW-2. The analytical results of sample MW-2 and its duplicate (MW-4) indicated a relative percent difference {(|sample - duplicate|) ÷ [(sample + duplicate) ÷ 2] x 100} of approximately 22%. Sample TB was submitted as a trip blank. The analytical results are summarized in Table 2 and presented in Figure 3. A copy of the chain of custody and laboratory report is included in Appendix C.

3.0 CONCLUSION

The analytical results indicated an increase in TPH concentration in the sample collected from monitoring wells MW3 as compared to the most recent historical sampling data. The analytical results also indicated a decrease in benzene concentration in the sample collected from monitoring well MW2 and an increase in benzene concentration in the sample collected from monitoring well MW3. Historical trends can be inferred by review of the data presented in Table 3 and shown graphically in the attached Graphs 1 through 3. The highest TPH and benzene concentrations were detected in the sample (MW-3) collected from monitoring well MW3 which is located northwest of the former underground storage tank field. The TPH and benzene concentrations in sample MW-3 were 11,000 μg/L and 32 μg/L, respectively. The general groundwater gradient is approximately 0.032 feet/foot in the northwestern direction as presented in Figure 3.

This report was prepared by **DELTA ENVIRONMENTAL CONSULTANTS, INC.**

Allen C Just

Allen Just
Project Manager

Date: 2-4-93

Gerald Quindry, Ph.D., P.E.
California Registered Civil Engineer Nº33454

Date: 2/4/93

(h:\users\danak\files\area5\reports\93521QTR.4)



TABLES

TABLE 1

GROUNDWATER GAUGING RESULTS
FORMER CHEVRON SERVICE STATION NO. 9-3521
LA MESA, CALIFORNIA
MEASURED DECEMBER 1, 1992

Well I.D.	TOC Elevation	Depth to PSH	Depth to Water	PSH Thickness	Water Elevation*
MW1	95.82	NA	6.28	ND	89.54
MW2	93.86	NA	7.22	ND	86.64
MW3	97.19	NA	10.76	ND	86.43

Notes:

TOC = Top of Casing Relative to Temporary Benchmark = 100.00 Feet
PSH = Phase Separated Hydrocarbons
NA = Not Applicable
ND = Not Detected
All values are given in feet.
Water Elevation* = Corrected Water Elevation (specific gravity of PSH = 0.86)
Source of TOC Elevations: Delta Environmental Consultants, Inc. survey performed November 11, 1992.

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION NO. 9-3521
LA MESA, CALIFORNIA
SAMPLED DECEMBER 1, 1992

Sample I.D.	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH (ug/L)
MW-1	<0.3	<0.3	<0.3	<0.6	<500
MW-2	0.6	0.4	<0.3	0.7	<500
MW-3	32	2.7	120	29	11000
MW-4	0.6	0.5	<0.3	0.8	<500
TB	<0.3	<0.3	<0.3	<0.6	<500

Notes:

TPH = Total Petroleum Hydrocarbons as Gasoline
ug/L = Micrograms per Liter
<NUMBER = Constituent is below the detection limit.
MW-4 = Duplicate of MW-2
TB = Trip Blank

TABLE 3

HISTORICAL GROUNDWATER ANALYSIS AND GAUGING RESULTS

FORMER CHEVRON SERVICE STATION NO. 9-3521

LA MESA, CALIFORNIA

Well I.D. / Sample I.D.	Date of Sampling	Depth to Water	PSH Thickness	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH (ug/L)	Total Lead (ug/L)
MW1									
MW1	04/08/92	6.46	ND	<0.3	<0.3	<0.3	<0.6	<500	NA
MW-1	09/10/92	6.16	ND	<0.3	<0.3	<0.3	<0.6	<500	NA
MW-1	12/01/92	6.28	ND	<0.3	<0.3	<0.3	<0.6	<500	NA
MW2									
MW2	04/08/92	10.61	ND	48	13	4.6	17	800	NA
MW-2	09/10/92	7.36	ND	2.0	4.0	<0.3	<0.6	<500	NA
MW-2	12/01/92	7.22	ND	0.6	0.4	<0.3	0.7	<500	NA
MW3									
MW3	04/08/92	11.22	ND	28	5.1	320	640	21000	NA
MW-3	09/10/92	10.74	ND	20	22	100	27	8400	NA
MW-3	12/01/92	10.76	ND	32	2.7	120	29	11000	NA

Notes:

PSH = Phase Separated Hydrocarbons

TPH = Total Petroleum Hydrocarbons as Gasoline

ug/L = Micrograms per Liter

••• = Not Sampled

NM = Not Measured

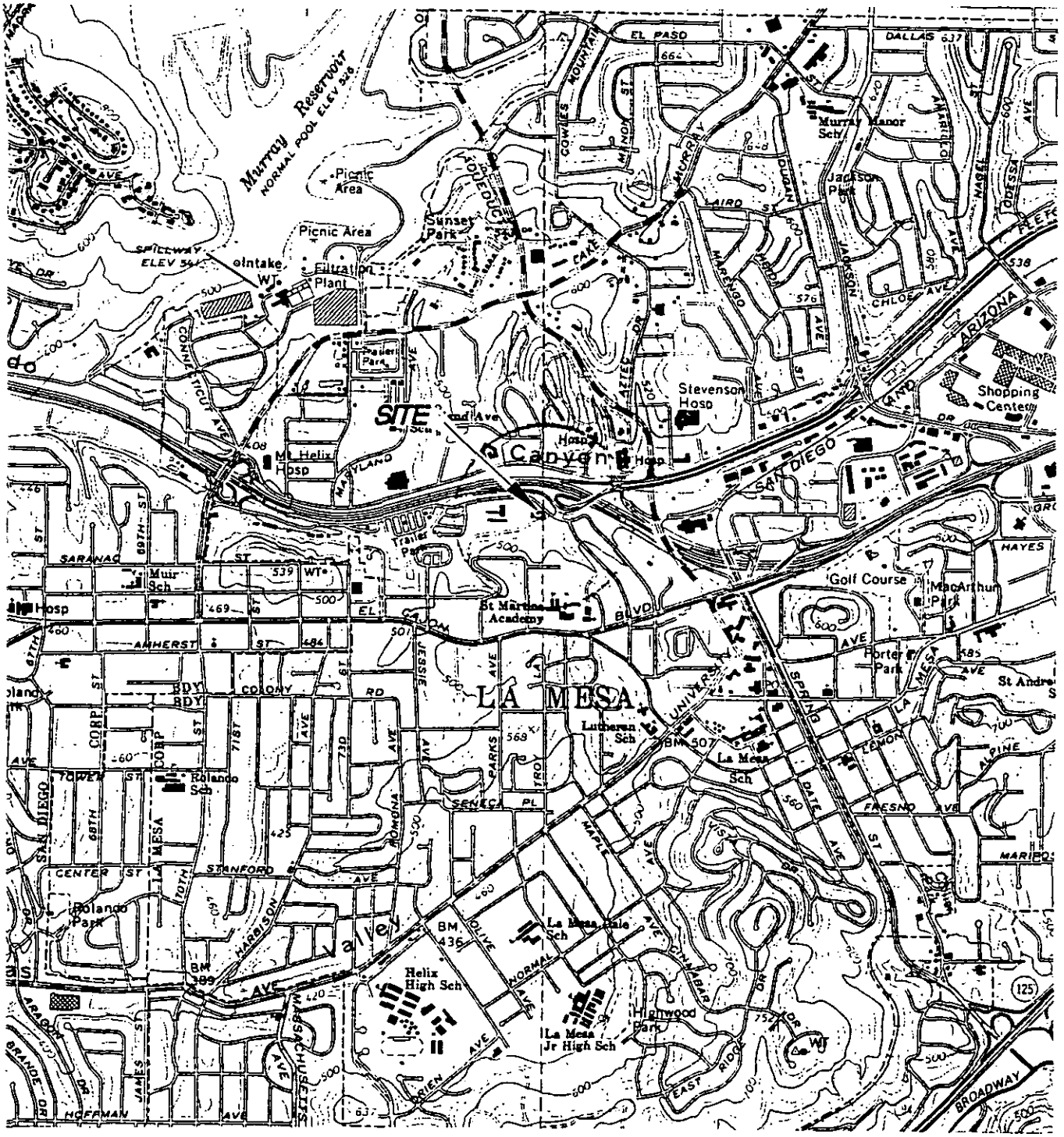
NA = Not Analyzed

ND = Not Detected

Depth to Water and PSH Thickness are given in feet.

Note: Top of well casings were lowered during the third quarter of 1992 and were re-surved by Delta Environmental Consultants, Inc. on 11/11/92

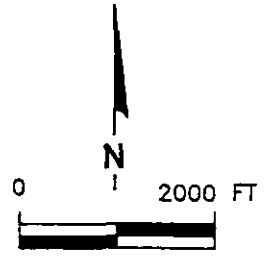
FIGURES



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
LA MESA , CA. QUADRANGLE
7.5 MINUTE TOPOGRAPHIC MAP
PHOTOREVISED 1981



QUADRANGLE LOCATION



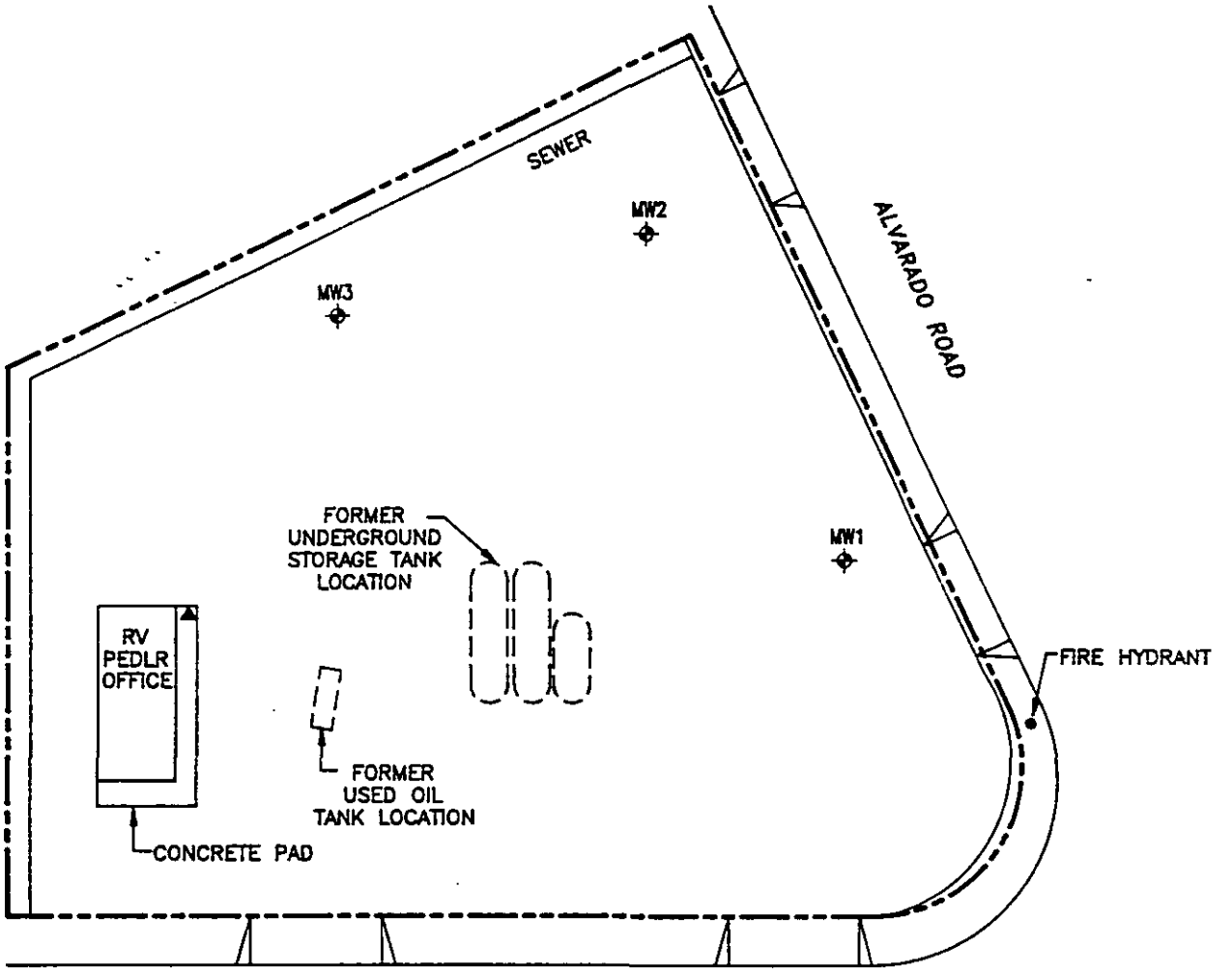
SCALE: 1 : 24,000

FIGURE 1

SITE LOCATION MAP
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA.

PROJECT NO. 45-92-739		DRAWN BY GREG ROSAS	
FILE NO. 27390472		PREPARED BY ALLEN JUST	
DATE 29 OCT 92	REV.	REVIEWED BY	

Delta Environmental Consultants, Inc.



N

0 40'

SCALE

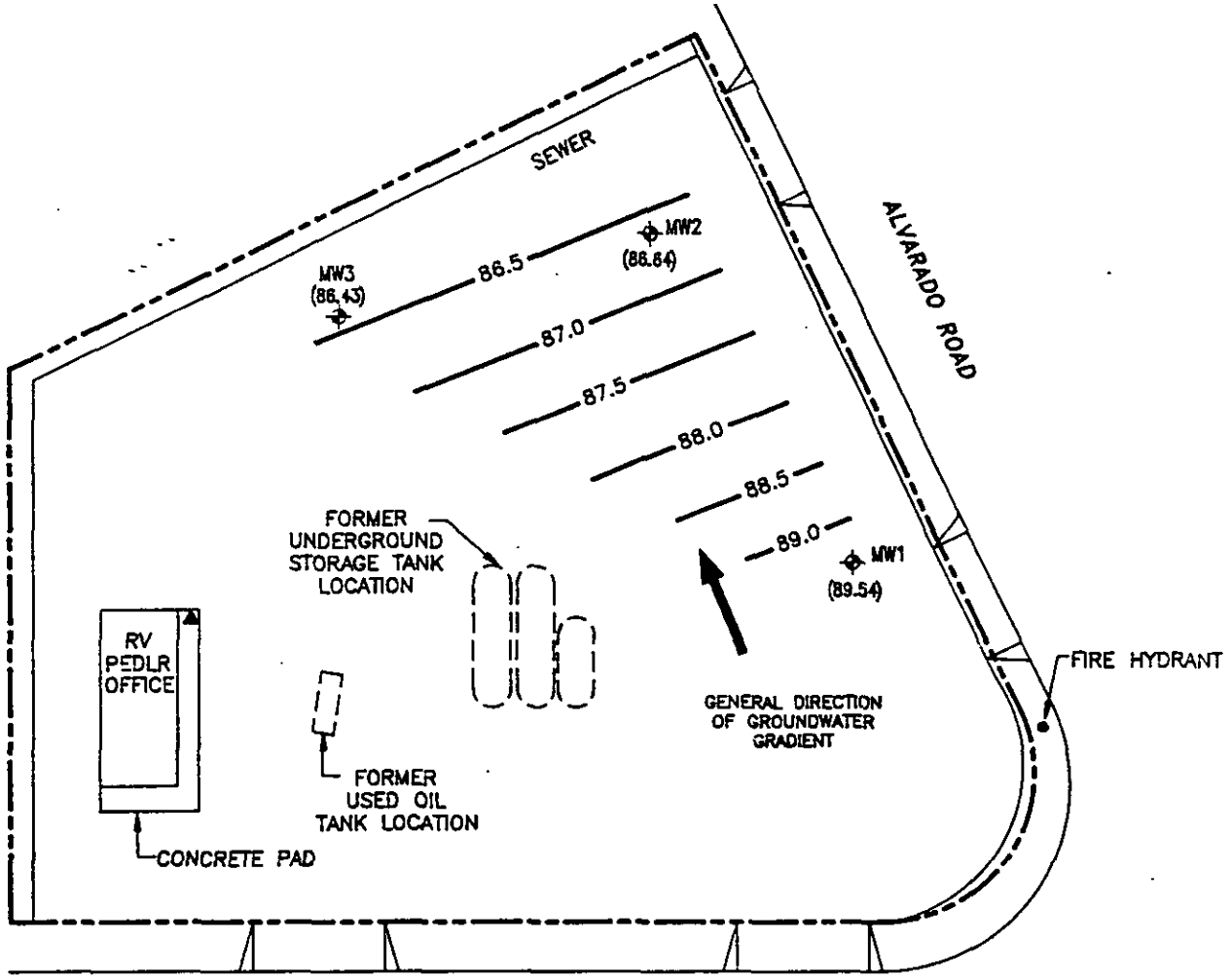
LEGEND

- ⌖ = MONITORING WELL
- ——— = PROPERTY LINE
- ▲ = TEMPORARY BENCHMARK (DATUM = 100.00 FEET)

FIGURE 2
SITE MAP
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA.

PROJECT NO. 45-92-739	DRAWN BY GREG ROSAS
FILE NO. 27390472	PREPARED BY ALLEN JUST
QUARTER MONITORED 4TH 1992	REVIEWED BY

Delta Environmental Consultants, Inc.



N

0 40'

SCALE

LEGEND

- ⌖ = MONITORING WELL
- ▲ = TEMPORARY BENCHMARK (DATUM = 100.00 FEET)
- (87.24) = GROUNDWATER ELEVATION IN FEET
- 87.5 = WATER TABLE CONTOUR IN FEET
- ——— = PROPERTY LINE

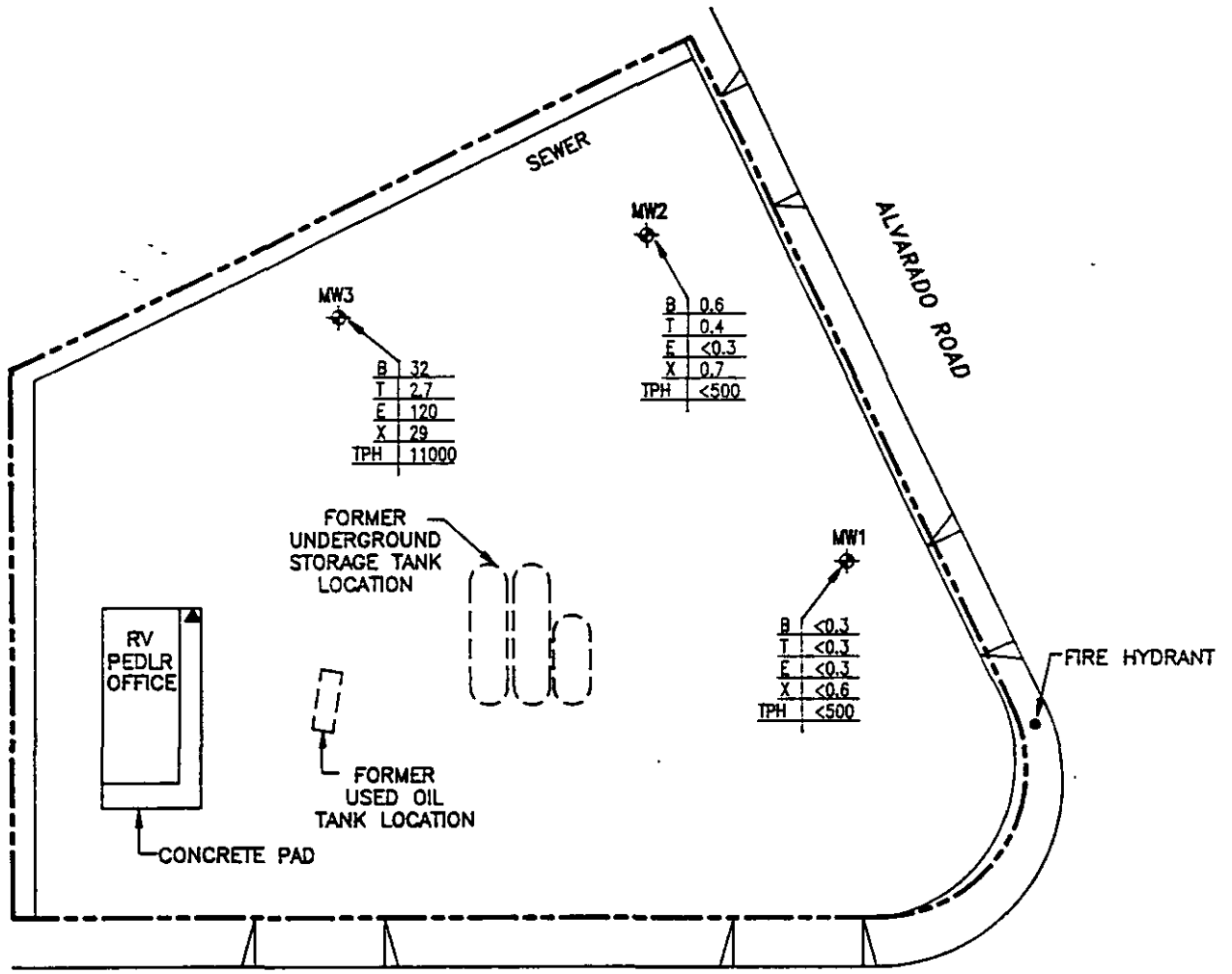
NOTE: GROUNDWATER ELEVATION RELATIVE TO AN ARBITRARY DATUM

FIGURE 3

WATER TABLE CONTOUR MAP
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA.

PROJECT NO. 45-92-739	DRAWN BY GREG ROSAS
FILE NO. 27390473	PREPARED BY ALLEN JUST
QUARTER MONITORED 4TH 1992	REVIEWED BY

Delta Environmental Consultants, Inc.



LEGEND

- ⊕ = MONITORING WELL
- ▲ = TEMPORARY BENCHMARK (DATUM = 100.00 FEET)
- ------ = PROPERTY LINE
- B = BENZENE
- T = TOLUENE
- E = ETHYLBENZENE
- X = TOTAL XYLENES
- TPH = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- NUMBER = CONCENTRATION IN MICROGRAMS PER LITER

FIGURE 4

GROUNDWATER ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA.

PROJECT NO. 45-92-739	DRAWN BY GREG ROSAS
FILE NO. 27390474	PREPARED BY ALLEN JUST
QUARTER MONITORED 4TH 1992	REVIEWED BY

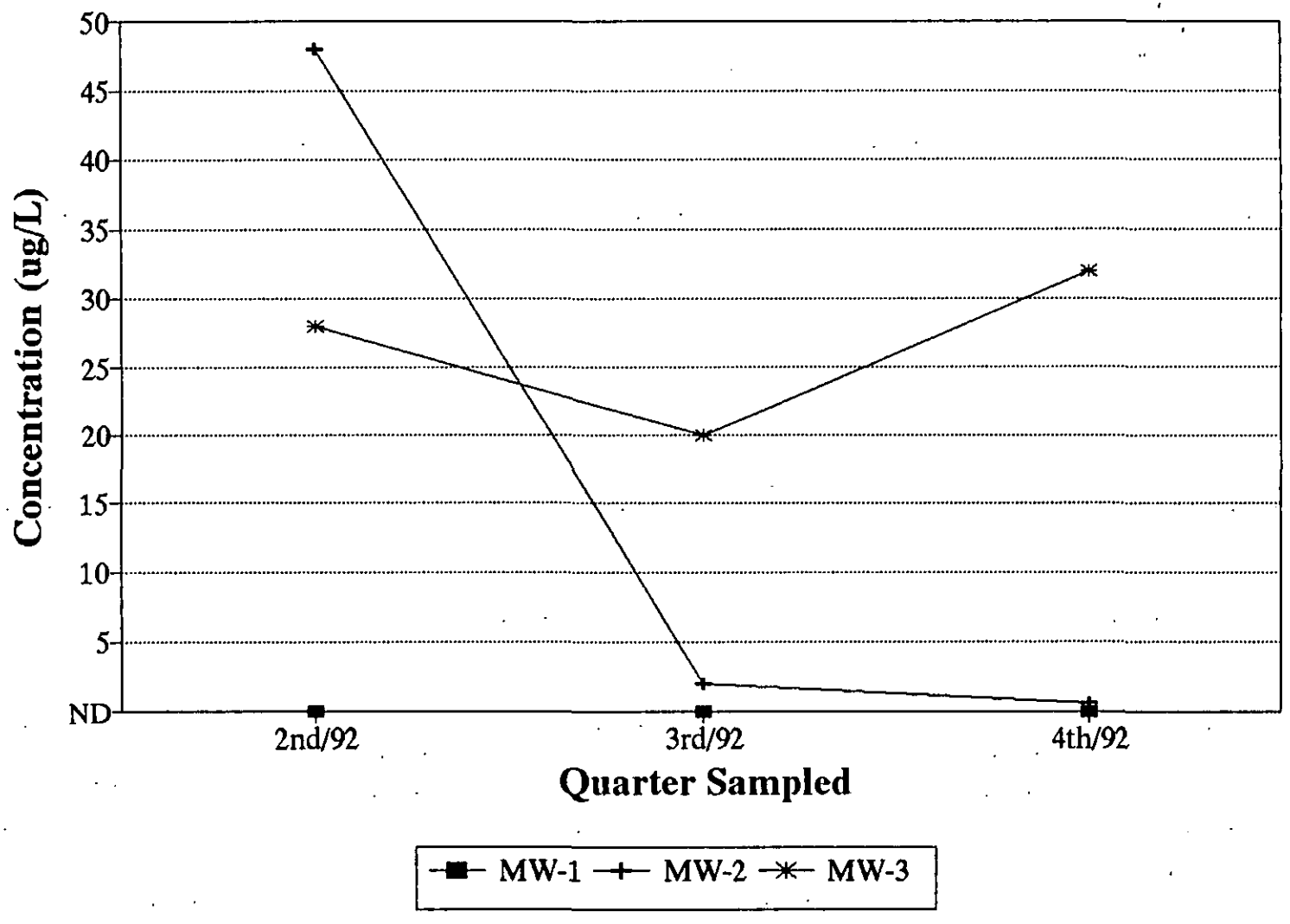
Delta Environmental Consultants, Inc.

GRAPHS

GRAPH 1

BENZENE CONCENTRATIONS vs TIME

Former Chevron Service Sta. No. 9-3521

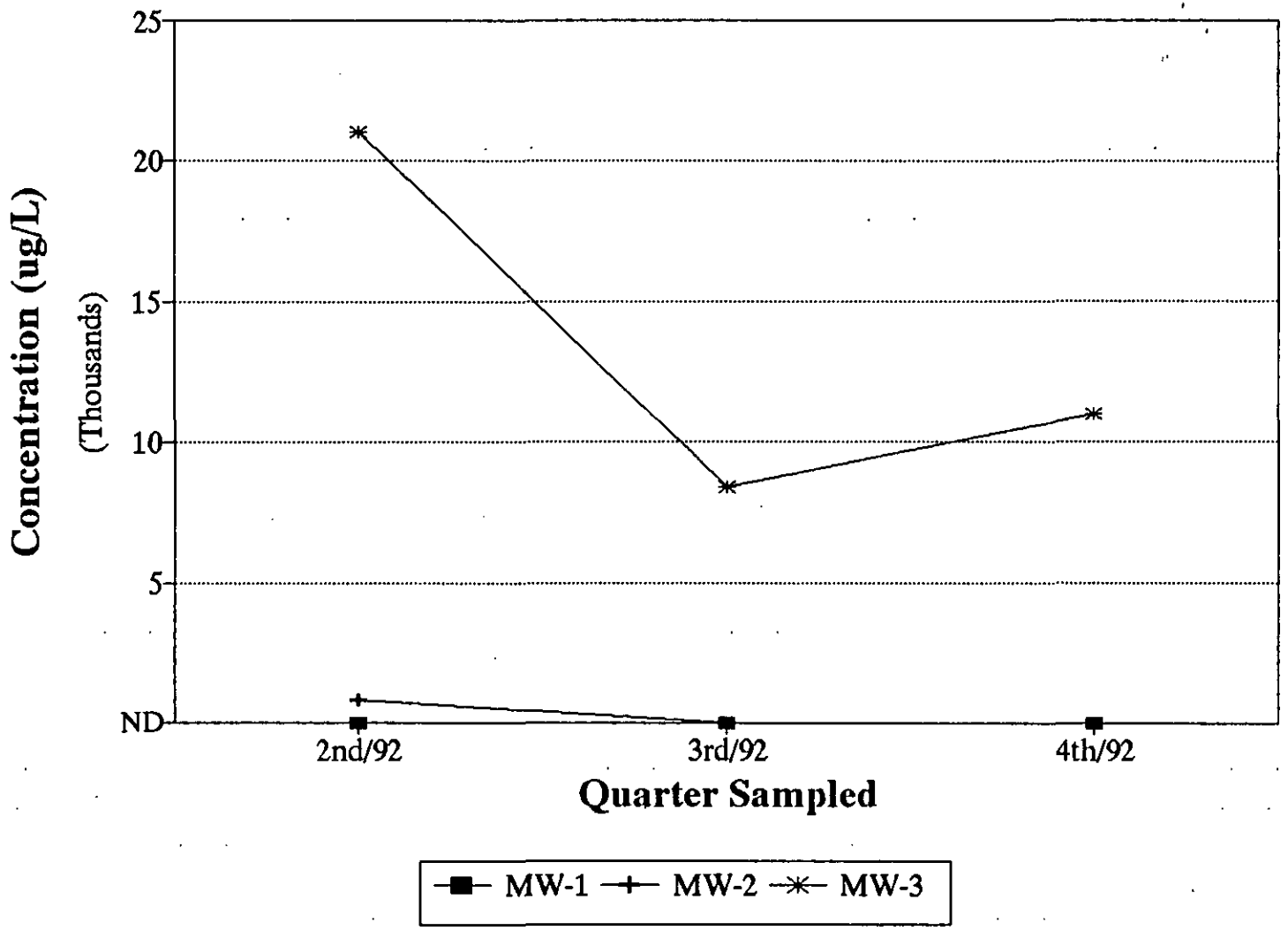


ND = Not Detected

GRAPH 2

TPH CONCENTRATIONS vs TIME

Former Chevron Service Sta. No. 9-3521

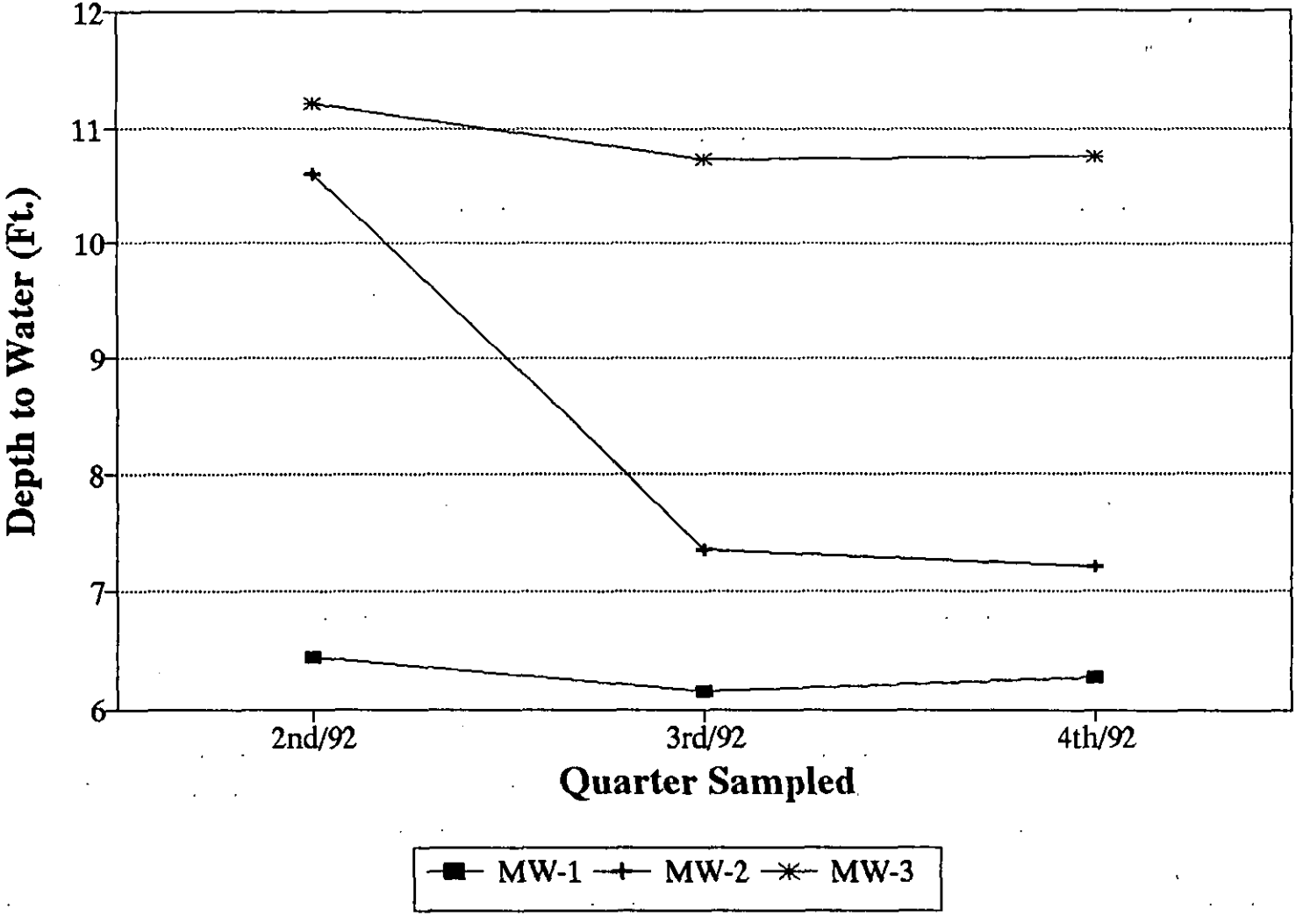


ND = Not Detected

GRAPH 3

HYDROGRAPH

Former Chevron Service Sta. No. 9-3521



APPENDIX A

Field Procedures

FIELD PROCEDURES

The following section describes field procedures followed by Delta personnel during the performance of quarterly groundwater monitoring activities.

1.0 DEPTH TO PHASE-SEPARATED HYDROCARBONS AND GROUNDWATER

Prior to purging and sampling of groundwater monitoring wells, a petroleum product/water interface probe was utilized to determine the presence and/or thickness of phase-separated hydrocarbons (PSH) and depth to groundwater in each well. If a PSH layer was not detected by the interface probe and the presence of a PSH sheen was questionable, a water sample was collected by lowering a disposable bailer down the well and allowing the bailer to half-fill with water. The collected water sample was then inspected for a PSH sheen.

2.0 PHASE-SEPARATED HYDROCARBON RECOVERY

If a measurable PSH layer was detected, an attempt was made to recover as much PSH as possible using a top-fill polyvinyl chloride (PVC) bailer. In an effort to limit the amount of groundwater recovered and to skim the PSH from the groundwater table, the bailer was lowered down the well to just beneath the PSH/water interface. Recovery of the PSH was terminated when recovery by this method was no longer feasible. The recovered PSH was placed in a 55-gallon drum for temporary storage on-site.

3.0 GROUNDWATER MONITORING WELL PURGING AND SAMPLING

Prior to initiation of the well purging activities, the depth to water and the total depth of the well was measured to calculate the standing water column in each well. A submersible pump or PVC purging bailer was utilized to attempt to purge a minimum of three casing volumes of water from the wells. The temperature, pH, and specific conductance of the purge water were three parameters measured throughout the purging process. The purging process was terminated under one of the following two conditions:

1) Upon removal of a minimum three casing volumes of purge water and stabilization of the three parameters.

2) If at any time following the removal of the water within the well casing, recharge of the well was not sufficient to sustain the purging process.

The purge and decontamination water were placed in 55-gallon drums for temporary storage on-site. The drummed water was removed from the site by a Chevron-approved transporter using a vacuum truck and transported to an appropriate facility for recycling. The submersible pump and any hose that came in contact with the groundwater or the purging bailer was decontaminated prior to and between uses utilizing a three-container washing process. The three containers contained a phosphate-free detergent/tap water solution, tap water, and de-ionized or double purified water.

Subsequent to purging, groundwater levels were remeasured using a water level indicator. This post-purge water level data was used to calculate the percent recharge of each well. The wells were allowed to recharge to approximately 80% of the static water level or a minimum of two hours following completion of the purging. A water sample was then collected from each well using a dedicated disposable bailer. The retrieved samples were then placed in the appropriate container(s), labeled, identified on a Chevron chain of custody, and placed in a chilled cooler until delivery to a Chevron-contracted California Department of Health Services (CA DHS) certified hazardous waste laboratory. All samples were transported to the laboratory and analyzed within EPA-specified holding times for the requested analyses. Strict chain-of-custody procedures were followed to assure sample integrity.

APPENDIX B

Field Records

GROUND WATER LEVEL DATA

PROJECT: Chevron # 9-3521 | **DELTA PROJECT NUMBER:** 65-92-739.01

DATE: 12-1 | **MEASURING DEVICE:** Water Level Inc

WELL NO.	TIME	WELL DEPTH	REF. ELEVATION	DEPTH TO G.W.	PRODUCT DEPTH	FREE PRODUCT THICKNESS	PHYSICAL OBSERVATION/COMMENTS
MW 1	920	14.70		6.28			
MW 2	910	14.10		# 7.22			
MW 3	930	14.32		10.76			

RECORDED BY: J Burch

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION: PROJECT:

CLOUD COVER: Clear
WIND SPEED: Calm
TEMPERATURE: 70°

DATE:	12-1-92
CLIENT:	Chevron # 9-3521
LOCATION:	7651 Alvarado LA, Mesa
DELTA NO:	45-92-739.01
PROJECT MGR:	Allen Just

WELL DESCRIPTION:
CASING DIAMETER: 4
DEPTH TO WATER: 6.28 TIME: 0920
WELL DEPTH: 14.70

SAMPLING:
SAMPLING POINT MW 1
SAMPLE I.D. NO. MW 1 TIME:
SAMPLES COLLECTED 3 VOAS
SAMPLE APPEARANCE Clear W.L 7.01

PURGING METHOD:
☐ SUBMERSIBLE PUMP ☑ BAILER 4" ☐ OTHER

PUMP INTAKE OR BAILER SET AT ____ ft. BELOW MP. ☑ NA

((14.70) - (6.28)) × (____) × (____) = 19
WELL DEPTH D.T.W .65/4", .17/2" PURGE VOLS. PURGE VOLUME

CLEANING DONE IN FIELD Liquinox Bailer

EVACUATION/STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	WATER LEVEL (NEAREST .01')	CUMULATIVE VOL OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
952	7.61	1.65	68.3		5	--
954	7.55	1.71	73.0		10	
1000	7.62	1.71	73.5		13	

BAILING START TIME: 951 am/pm BAILING FINISH TIME: 1001 am\pm
COMMENTS: Went Dry at 13.5

TRANSPORTATION (THERMAL PRESERVATION) Ice chest

FORM COMPLETED BY JBrent SAMPLED BY: JBrent

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: Clear

WIND SPEED: calm

TEMPERATURE: 70°

WELL DESCRIPTION:

CASING DIAMETER: 4"

DEPTH TO WATER: 7.22 TIME: 0910

WELL DEPTH: 14.10

PROJECT:

DATE:	12-1-92
CLIENT:	Chevron #9-3521
LOCATION:	7651 Alvarado Rd
	LA Mesa
DELTA NO:	45-92-739.01
PROJECT MGR:	Allen Just

SAMPLING:

SAMPLING POINT MW-2

SAMPLE I.D. NO. MW-2 TIME:

SAMPLES COLLECTED 3 VOAS

SAMPLE APPEARANCE Clear W.L. 9.01

PURGING METHOD:

☐ SUBMERSIBLE PUMP ☑ BAILER 4" ☐ OTHER

PUMP INTAKE OR BAILER SET AT ____ ft. BELOW MP. ☑ N/A

[(14.10) - (7.22)] × (____) × (____) = 15.5

WELL DEPTH D.T.W .65/4", .17/2" PURGE VOLS. PURGE VOLUME

CLEANING DONE IN FIELD Liquid Nox Bailer

EVACUATION\STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	WATER LEVEL (NEAREST .01")	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
0946	7.25	1.79	68.1		5	--
0948	7.39	1.85	69.4		10	

BAILING START TIME: 0945 am/pm BAILING FINISH TIME: 948 am\pm

COMMENTS: Went Dry at 10 Gals

TRANSPORTATION (THERMAL PRESERVATION) Ice Chest

FORM COMPLETED BY J Brett SAMPLED BY: J Brett

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: clear
WIND SPEED: calm
TEMPERATURE: 70°

WELL DESCRIPTION:
CASING DIAMETER: 4"
DEPTH TO WATER: 10.76 TIME: 0930
WELL DEPTH: 14.32

PROJECT:

DATE: 12-1-92
CLIENT: Chevron #9-3521
LOCATION: 7651 Alvarado
LA Mesa
DELTA NO: 45-92-9301.01
PROJECT MGR: Allen Just

SAMPLING:

SAMPLING POINT MW-3
SAMPLE I.D. NO. MW-3 TIME:
SAMPLES COLLECTED 3 VOAs
SAMPLE APPEARANCE clear W.L. 12.04

PURGING METHOD:

☐ SUBMERSIBLE PUMP ☑ BAILER 4" ☐ OTHER

PUMP INTAKE OR BAILER SET AT ____ ft. BELOW MP. ☑ NA

[(14.32) - (10.76)] × (____) × (____) = ≈ 8 gals
WELL DEPTH D.T.W .65/4", .17/2" PURGE VOLS. PURGE VOLUME

CLEANING DONE IN FIELD ____

EVACUATION/STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	WATER LEVEL (NEAREST .01')	CUMULATIVE VOL OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
936	7.21	1.79	67.5		2 gals	--
940	6.78	1.88	72.5		4 gals	

BAILING START TIME: 935 am/pm BAILING FINISH TIME: 942 am/pm

COMMENTS: Dry at 4 gals

TRANSPORTATION (THERMAL PRESERVATION) Ice chest

FORM COMPLETED BY J Brett SAMPLED BY: J Brett

APPENDIX C

Chain of Custody
and Laboratory Report

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

PROJECT NAME Chevron
PROJECT I.D. No. ~~9-3521~~ 45-92-739.01
CONSULTANT NAME Delta Env.
ADDRESS Aliso Creek Rd
PROJECT CONTACT (NAME) Alan Just
(PHONE) 800-888-9193
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) Jeff Cole
(PHONE)

LABORATORY NAME Coast to Coast
CONTRACT NUMBER
COLLECTED BY (NAME) Jeff Brecht
(SIGNATURE) Jeff Brecht
COLLECTION DATE 12-1-92

CHAIN-OF-CUSTODY RECORD

3 ___ RE *

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB. gas p/ac	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS CB0512
mw1		3		X			12-1	1415	X	X		X		X							-1
mw-2		3		↓			↓	1425	↓	↓		↓		↓							-2
mw-3		3		↓			↓	1435	↓	↓		↓		↓							-3
mw-4		3		↓			↓	1427	↓	↓		↓		↓							-4
TB		2		↓			↓	~~[illegible]~~	↓	↓		↓		↓							-5

TB 11309 21 TMS

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Jeff Brecht	Delta	12-1-92 1600	Tom P. Koschel	Delta	12/1/92 1600
Tom P. Koschel	Delta	12-2-92 1:44 pm	S. Sudoho	CCAS	12/2/92 1:45 pm
S. Sudoho		12/2/92	Diane Guevara COCD INTACT		12-3-92 1500

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

COAST - TO - COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

San Luis Obispo, CA • Benicia, CA • Camarillo, CA • San Jose, CA
Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93010 FAX (805) 389-1438

Lab Number : CB0512
Project : CHEV #9-3521, 45-92-739.01, CHEVRON

CLIENT: Jeff Cole
Chevron USA, Inc
PO Box 2833
La Habra, CA 90632-2833

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
CB0512-1	MW - 1	Aqueous	Jeff Brecht	12/01/92	12/02/92
CB0512-2	MW - 2	Aqueous	Jeff Brecht	12/01/92	12/02/92
CB0512-3	MW - 3	Aqueous	Jeff Brecht	12/01/92	12/02/92
CB0512-4	MW - 4	Aqueous	Jeff Brecht	12/01/92	12/02/92

CONSTITUENT	UNITS	*PQL	CB0512-1	CB0512-2	CB0512-3	CB0512-4
BTEX + TPH (Gasoline)						
Method:			E602/8015M	E602/8015M	E602/8015M	E602/8015M
Analyzed by:			ZS	ZS	ZS	ZS
Analyzed on:			12/04/92	12/04/92	12/04/92	12/04/92
Dilution Factor			1.0	1.0	1.0	1.0
Notes:			1	1	1	1
Benzene	ug/L	0.3	ND	0.6	32.	0.6
Toluene	ug/L	0.3	ND	0.4	2.7	0.5
Ethylbenzene	ug/L	0.3	ND	ND	120.	ND
Xylenes (total)	ug/L	0.6	ND	0.7	29.	0.8
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	ND	ND	11000.	ND
Percent Surrogate Recovery	PERCENT		98.	94.	97.	96.

Camarillo Lab Certifications: CAELAP #1783 & #1598; L.A.Co.CSD #10184
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) EXTRACTED by EPA 5030 (purge-and-trap)

12/11/92
S9N33918
MH/gps/vr
CB05121340Z
CC: Allen Just
Delta Environmental Services
27141 Aliso Creek Road
Mission Viejo, CA 92656

COAST - TO - COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

San Luis Obispo, CA • Benicia, CA • Camarillo, CA • San Jose, CA
Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93010 FAX (805) 389-1438

Lab Number : CB0512
Project : CHEV #9-3521,
45-92-739.01, CHEVRON

CLIENT: Jeff Cole
Chevron USA, Inc
PO Box 2833
La Habra, CA 90632-2833

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
CB0512-5	TB #11309211MS	Aqueous	Jeff Brecht	12/01/92	12/02/92

CONSTITUENT	UNITS	*PQL	CB0512-5
BTEX + TPH (Gasoline)			
Method:			E602/8015M
Analyzed by:			ZS
Analyzed on:			12/07/92
Dilution Factor			1.0
Notes:			1
Benzene	ug/L	0.3	ND
Toluene	ug/L	0.3	ND
Ethylbenzene	ug/L	0.3	ND
Xylenes (total)	ug/L	0.6	ND
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	ND
Percent Surrogate Recovery	PERCENT		88.

Camarillo Lab Certifications: CAELAP #1783 & #1598; L.A.Co.CSD #10184
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) EXTRACTED by EPA 5030 (purge-and-trap)

12/11/92
S9N3426
MH/gps/vr
CB05121340Z
CC: Allen Just
Delta Environmental Services
27141 Aliso Creek Road
Mission Viejo, CA 92656

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek

Mary Havlicek, Ph.D.
President

COAST - TO - COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93010 FAX (805) 389-1438

QC Batch ID: CB051213402

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 12/07/92
Analyzed by: ZS
Method : E602/8015M

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
METHOD BLANK	Aqueous			

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.3	ND	
Toluene		0.3	ND	
Ethylbenzene		0.3	ND	
Xylenes (total)		0.6	ND	
Total Petroleum Hydrocarbons (Gasoline)		500.	ND	
Percent Surrogate Recovery			96.	

Camarillo Lab Certifications: CAELAP #1783 & #1598; L.A.Co.CSD #10184
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

12/11/92
S9N3422
MH/gps/vr
CB0512-5

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek

Mary Havlicek, Ph.D.
President

COAST - TO - COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93010 FAX (805) 389-1438

QC Batch ID: CB05121340Z

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 12/05/92
Analyzed by: ZS
Method : E602/8015M

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MATRIX SPIKE	Aqueous			

CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	NOTE
BTEX + TPH (Gasoline)					1
Benzene	ND	20.	18.	90.	
Toluene	ND	20.	18.	90.	
Ethylbenzene	ND	20.	18.	90.	
Xylenes (total)	ND	60.	54.	90.	
Total Petroleum Hydrocarbons (Gasoline)	ND	5000.	4900.	98.	

Camarillo Lab Certifications: CAELAP #1783 & #1598; L.A.Co.CSD #10184
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

12/11/92
S9N33941 S9N33943
MH/gps/vr
CB0512-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek

Mary Havlicek, Ph.D.
President

COAST - TO - COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

San Luis Obispo, CA • Benicia, CA • Camarillo, CA • San Jose, CA
Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93010 FAX (805) 389-1438

QC Batch ID: CB05121340Z

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 12/05/92
Analyzed by: ZS
Method : E602/8015M

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MATRIX SPIKE DUPLICATE	Aqueous			

CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	%DIFF	NOTE
BTEX + TPH (Gasoline)						1
Benzene	ND	20.	19.	95.	5.4	
Toluene	ND	20.	19.	95.	5.4	
Ethylbenzene	ND	20.	18.	90.	0.	
Xylenes (total)	ND	60.	55.	92.	1.8	
Total Petroleum Hydrocarbons (Gasoline)	ND	5000.	5000.	100.	2.	

Camarillo Lab Certifications: CAELAP #1783 & #1598; L.A.Co.CSD #10184
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

12/11/92
S9N33942 S9N33944
MH/gps/vr
CB0512-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek

Mary Havlicek, Ph.D.
President

COAST - TO - COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

San Luis Obispo, CA • Benicia, CA • Camarillo, CA • San Jose, CA
Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

Santa Barbara Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93010 FAX (805)389-1438

Lab Number : GF3059
Project : 45-92-739 Chevron 9-3521

CLIENT: Ruben Avilez
Chevron USA, Inc
PO Box 2833
La Habra, CA 90632-2833

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GF3059-1	MW-1	Aqueous	Dana Koschel	09/10/92	09/11/92
GF3059-2	MW-2	Aqueous	Dana Koschel	09/10/92	09/11/92
GF3059-3	MW-3	Aqueous	Dana Koschel	09/10/92	09/11/92
GF3059-4	MW-4	Aqueous	Dana Koschel	09/10/92	09/11/92

CONSTITUENT	UNITS	*PQL	GF3059-1	GF3059-2	GF3059-3	GF3059-4
BTEX + TPH (Gasoline)						
Method:			E602/8015M	E602/8015M	E602/8015M	E602/8015M
Analyzed by:			LC	LC	LC	LC
Analyzed on:			09/23/92	09/23/92	09/23/92	09/23/92
Dilution Factor			1.0	1.0	10	1.0
Notes:			1	1	1	1
Benzene	ug/L	0.3	ND	2.0	20.	1.8
Toluene	ug/L	0.3	ND	4.0	22.	2.8
Ethylbenzene	ug/L	0.3	ND	ND	100	ND
Xylenes (total)	ug/L	0.6	ND	ND	27.	ND
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	ND	ND	8400	ND
Percent Surrogate Recovery	PERCENT		99.	80.	100.	91.

Santa Barbara Div. (Camarillo Lab) Lab Certifications: CAELAP #1783; L.A.Co.CSD#10184
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/09/92
L9N26830
MH/gps/kjp
GF30711268
CC: Allen Just
Delta Environmental Consultants, Inc.
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656

COAST - TO - COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

San Luis Obispo, CA • Benicia, CA • Camarillo, CA • San Jose, CA
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Santa Barbara Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93010 FAX (805) 389-1438

Lab Number : GF3059
Project : 45-92-739 Chevron 9-3521

CLIENT: Ruben Avilez
Chevron USA, Inc
PO Box 2833
La Habra, CA 90632-2833

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
GF3059-5	TB-1	Aqueous	Dana Koschel	09/10/92	09/11/92

CONSTITUENT	UNITS	*PQL	GF3059-5
BTEX + TPH (Gasoline)			
Method:			E602/8015M
Analyzed by:			LC
Analyzed on:			09/23/92
Dilution Factor			1.0
Notes:			1
Benzene	ug/L	0.3	ND
Toluene	ug/L	0.3	0.3
Ethylbenzene	ug/L	0.3	ND
Xylenes (total)	ug/L	0.6	ND
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	ND
Percent Surrogate Recovery	PERCENT		100.

Santa Barbara Div. (Camarillo Lab) Lab Certifications: CAELAP #1783; L.A.Co.CSD#10184
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) EXTRACTED by EPA 5030 (purge-and-trap)

10/16/92
L9N26831
MH/gps/kjp
GF30711268
CC: Allen Just
Delta Environmental Consultants, Inc.
27141 Aliso Creek Road, Suite 270
Aliso Viejo, CA 92656

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President

GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121
Tel: (619) 453-8415

COMMUNITY HEALTH AND SAFETY PLAN
for
FORMER CHEVRON SS NO. 9-3521
7651 Alvarado Road
La Mesa, CA

H12687-002

April 3, 1992

Prepared for:
Chevron U.S.A.
P.O. Box 2833
La Habra, CA 90632

023402346
2346HS-4.3

QUARTERLY MONITORING REPORT

THIRD QUARTER 1992

FORMER CHEVRON SERVICE STATION № 9-3521

7651 ALVARADO ROAD

LA MESA, CALIFORNIA

DELTA PROJECT № 45-92-739

RECEIVED
JAN 6 2 35 PM '93
ENV
HEALTH SERVICES

QUARTERLY MONITORING REPORT

THIRD QUARTER 1992

FORMER CHEVRON SERVICE STATION № 9-3521

7651 ALVARADO ROAD

LA MESA, CALIFORNIA

DELTA PROJECT № 45-92-739

Prepared For:

Mr. Jeffrey Cole
Chevron U.S.A. Products Company
1300 South Beach Boulevard
Building 4516
La Habra, California

Prepared by:

Delta Environmental Consultants, Inc.
27141 Aliso Creek Road, Suite 270
Aliso Viejo, California 92656
(714) 362-3077

December 2, 1992

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QUARTERLY MONITORING REPORT

THIRD QUARTER 1992
FORMER CHEVRON SERVICE STATION Nº 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA
DELTA PROJECT Nº 45-92-739

1.0 INTRODUCTION

Delta Environmental Consultants, Inc. (Delta) was contracted by Chevron U.S.A. Products Company (Chevron) to conduct quarterly sampling of groundwater monitoring wells at Former Chevron Service Station Nº 9-3521 (the site) located at 7651 Alvarado Road in the City of La Mesa, San Diego County, California (see Figure 1). There are three monitoring wells associated with the site which are identified as MW1 through MW3 (see Figure 2). All of the monitoring wells were purged and sampled on September 10, 1992. Prior to purging, depth to water was measured in each well and is presented with the groundwater elevation data in Table 1. During the third quarter, the top of well casings MW2 and MW3 were lowered during construction at the site and were re-surveyed by Delta on November 11, 1992. The quarterly monitoring was conducted in accordance with the Field Procedures included in Appendix A. The purging and sampling activities were documented in the field records contained in Appendix B. This report presents the data collected during the third quarter monitoring period, July through September, 1992.

2.0 ANALYTICAL RESULTS SUMMARY

All samples were relinquished to Coast-To-Coast Analytical Services, a California Department of Health Services certified laboratory, for chemical analysis. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPH) according to Environmental Protection Agency (EPA) Modified Method 8015; and benzene, toluene, ethylbenzene, and xylenes (BTEX) according to EPA Method 8020. The analytical results for TPH ranged in concentration from 8,400 micrograms per liter (μg/L) to below the practical quantitation limit (PQL). The analytical results for benzene ranged in concentration from 20 μg/L to below the PQL. Sample MW-4 was submitted as a duplicate for sample MW-2. The analytical results of sample MW-2 and its duplicate (MW-4) indicated a precision error range {[1-(sample/duplicate)]x100} of approximately ±43%. Sample TB-1 was submitted as a trip blank. The analytical results are summarized in Table 2 and presented in Figure 3. A copy of the chain of custody and laboratory report is included in Appendix C.

3.0 CONCLUSION

The analytical results indicated decreases in TPH concentrations in the samples collected from monitoring wells MW2 and MW3 as compared to the most recent historical sampling data. The analytical results also indicated decreases in benzene concentrations in the samples collected from monitoring wells MW2 and MW3. Historical trends can be inferred by review of the data presented in Table 3 and shown graphically in the attached Graphs 1 through 3. The highest TPH and benzene concentrations were detected in the sample (MW-3) collected from monitoring well MW3 which is located northwest of the former underground storage tank field. The TPH and benzene concentrations in sample MW-3 were 8,400 µg/L and 20 µg/L, respectively. The general groundwater gradient is approximately 0.04 feet/foot in the northwestern direction as presented in Figure 3.

This report was prepared by **DELTA ENVIRONMENTAL CONSULTANTS, INC.**

Allen C Just

Date: 12-2-92

Allen Just
Project Manager

Gerald Quindry

Date: 12/2/92

Gerald Quindry, Ph.D., P.E.
California Registered Civil Engineer Nº33454

(h:\users\danak\files\area5\reports\93521QTR.3)



TABLES

TABLE 1

GROUNDWATER GAUGING RESULTS
FORMER CHEVRON SERVICE STATION NO. 9-3521
LA MESA, CALIFORNIA
MEASURED SEPTEMBER 10, 1992

Well I.D.	TOC Elevation	Depth to PSH	Depth to Water	PSH Thickness	Water Elevation*
MW1	95.82	NA	6.16	ND	89.66
MW2	93.86	NA	7.36	ND	86.50
MW3	97.19	NA	10.74	ND	86.45

Notes:

TOC = Top of Casing Relative to Temporary Benchmark = 100.00 Feet
PSH = Phase Separated Hydrocarbons
NA = Not Applicable
ND = Not Detected
All values are given in feet.
Water Elevation* = Corrected Water Elevation (specific gravity of PSH = 0.86)
Source of TOC Elevations: Delta Environmental Consultants, Inc. survey performed November 11, 1992.

TABLE 2

GROUNDWATER ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION NO. 9-3521
LA MESA, CALIFORNIA
SAMPLED SEPTEMBER 10, 1992

Sample ID	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH (ug/L)
MW-1	<0.3	<0.3	<0.3	<0.6	<500
MW-2	2.0	4.0	<0.3	<0.6	<500
MW-3	20	22	100	27	8400
MW-4	1.8	2.8	<0.3	<0.6	<500
TB-1	<0.3	0.3	<0.3	<0.6	<500

Notes:

TPH = Total Petroleum Hydrocarbons as Gasoline
ug/L = Micrograms per Liter
<NUMBER = Constituent is below the detection limit.
MW-4 = Duplicate of MW-2
TB-1 = Trip Blank

TABLE 3

HISTORICAL GROUNDWATER ANALYSIS AND GAUGING RESULTS

FORMER CHEVRON SERVICE STATION NO. 9-3521

LA MESA, CALIFORNIA

Well I.D. / Sample I.D.	Date of Sampling	Depth to Water	PSH Thickness	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	TPH (ug/L)	Total Lead (ug/L)
MW1									
MW1	04/08/92	6.46	ND	<0.3	<0.3	<0.3	<0.6	<500	NA
MW-1	09/10/92	6.16	ND	<0.3	<0.3	<0.3	<0.6	<500	NA
MW2									
MW2	04/08/92	10.61	ND	48	13	4.6	17	800	NA
MW-2	09/10/92	7.36	ND	2.0	4.0	<0.3	<0.6	<500	NA
MW3									
MW3	04/08/92	11.22	ND	28	5.1	320	640	21000	NA
MW-3	09/10/92	10.74	ND	20	22	100	27	8400	NA

Notes:

PSH = Phase Separated Hydrocarbons

TPH = Total Petroleum Hydrocarbons as Gasoline

ug/L = Micrograms per Liter

*** = Not Sampled

NM = Not Measured

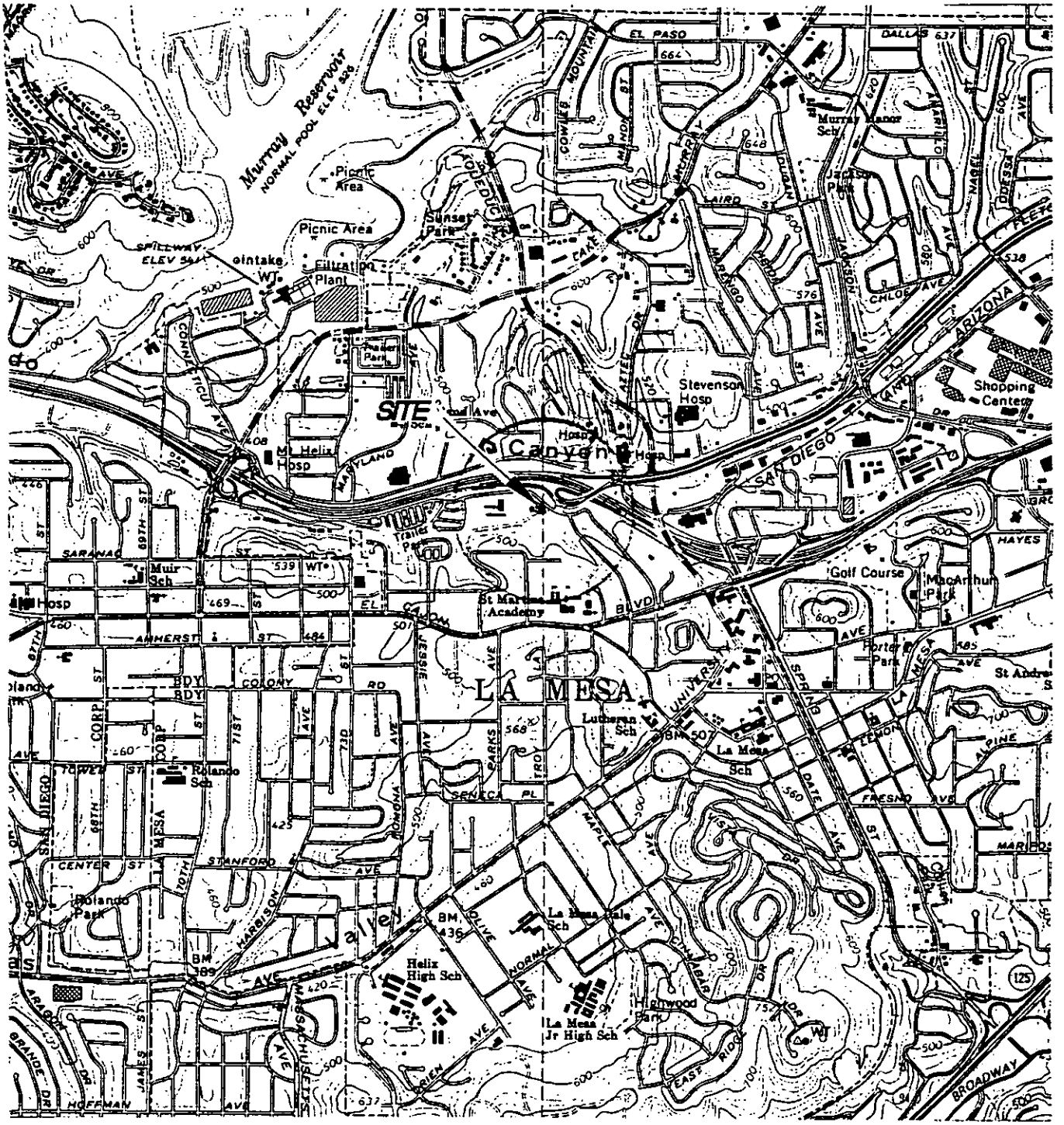
NA = Not Analyzed

ND = Not Detected

Depth to Water and PSH Thickness are given in feet.

Note: Top of well casings were lowered during the third quarter of 1992 and were re-surved by Delta Environmental Consultants, Inc. on 11/11/92

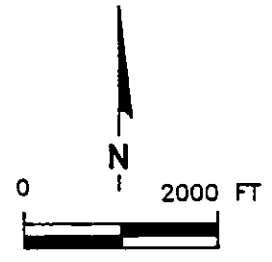
FIGURES



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
LA MESA , CA. QUADRANGLE
7.5 MINUTE TOPOGRAPHIC MAP
PHOTOREVISED 1981



QUADRANGLE LOCATION



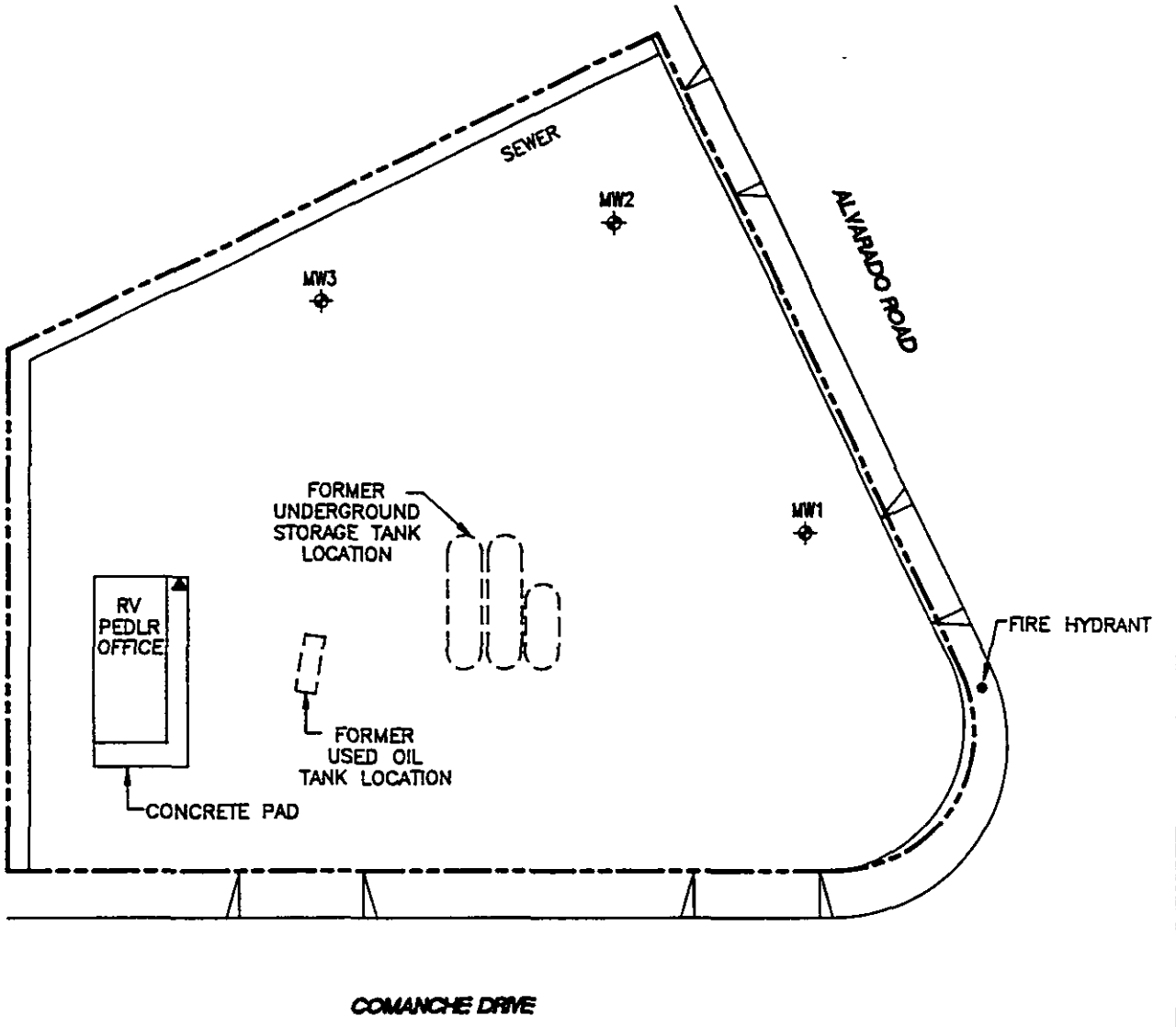
SCALE: 1 : 24,000

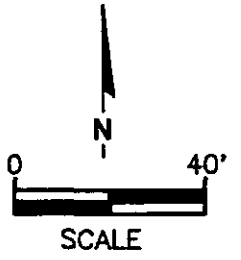
FIGURE 1

SITE LOCATION MAP
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA.

PROJECT NO. 45-92-739		DRAWN BY GREG ROSAS	
FILE NO. 27390472		PREPARED BY ALLEN JUST	
DATE 29 OCT 92	REV.	REVIEWED BY	

Delta Environmental Consultants, Inc.





SCALE

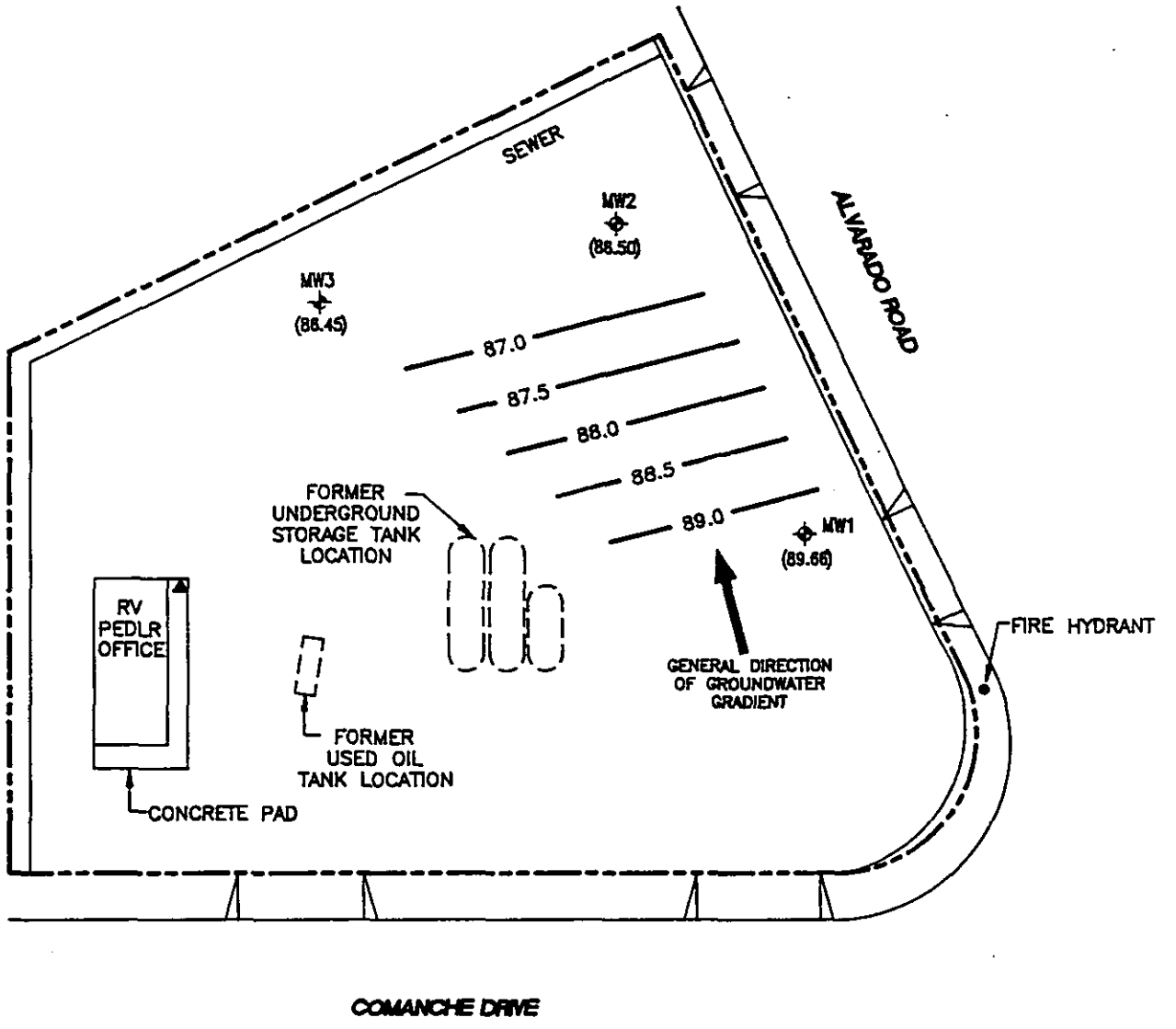
LEGEND

- ⌖ = MONITORING WELL
- ——— = PROPERTY LINE
- ▲ = TEMPORARY BENCHMARK (DATUM = 100.00 FEET)

FIGURE 2
SITE MAP
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA.

PROJECT NO. 45-92-739	DRAWN BY GREG ROSAS
FILE NO. 27390472	PREPARED BY ALLEN JUST
DATE 29 OCT 92 / REV.	REVIEWED BY

Delta Environmental Consultants, Inc.



N

0 40'

SCALE

LEGEND

- ⌖ = MONITORING WELL
- ▲ = TEMPORARY BENCHMARK (DATUM = 100.00 FEET)
- (87.24) = GROUNDWATER ELEVATION IN FEET
- 87.5 = WATER TABLE CONTOUR IN FEET
- ——— = PROPERTY LINE

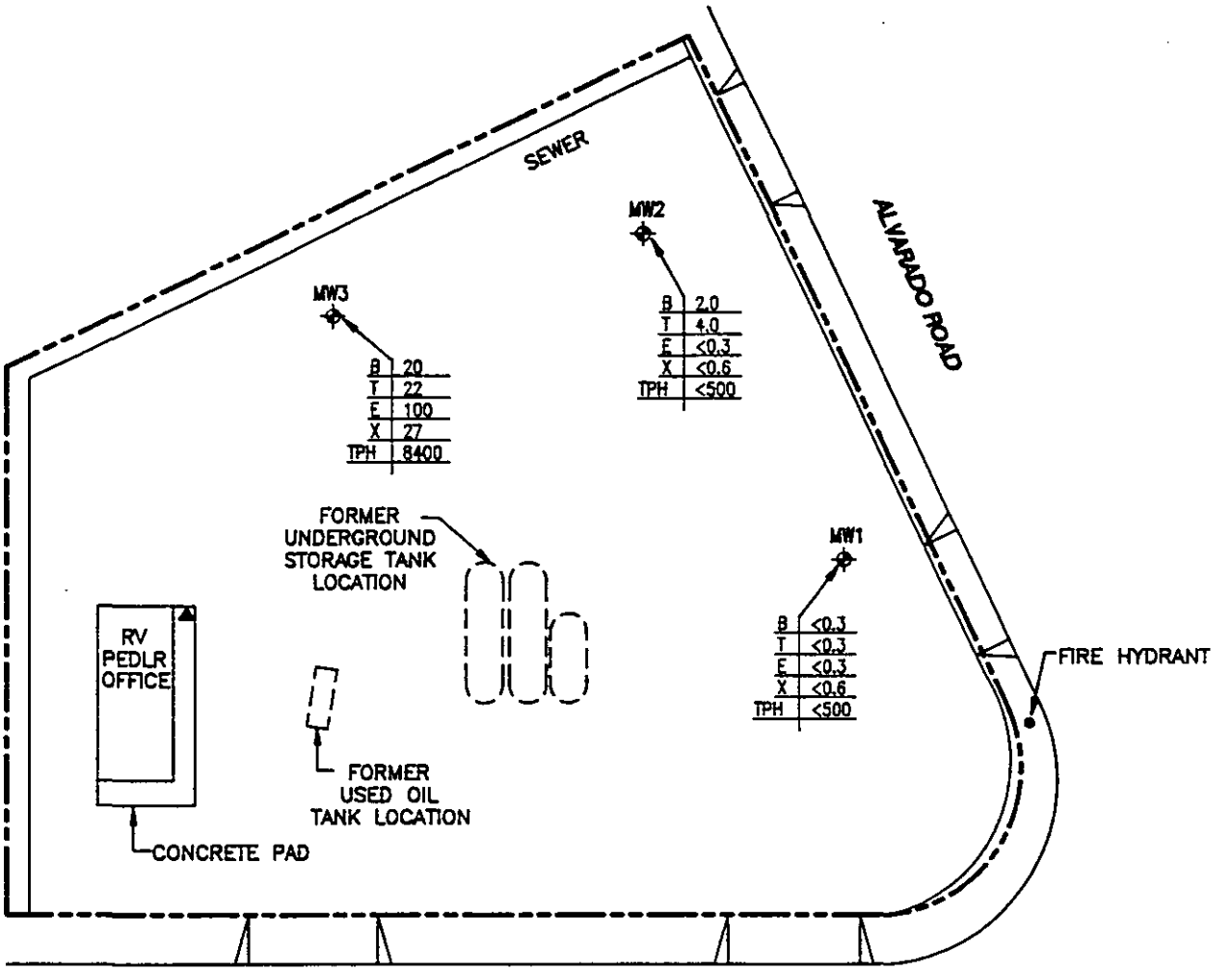
NOTE: GROUNDWATER ELEVATION RELATIVE TO AN ARBITRARY DATUM

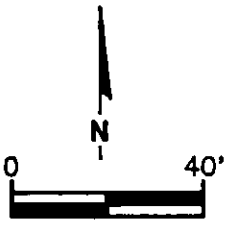
FIGURE 3

WATER TABLE CONTOUR MAP
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA.

PROJECT NO. 45-92-739	DRAWN BY GREG ROSAS
FILE NO. 27390473	PREPARED BY ALLEN JUST
DATE 30 NOV 92 / REV.	REVIEWED BY

Delta Environmental Consultants, Inc.





SCALE

LEGEND

- ⊕ = MONITORING WELL
- ▲ = TEMPORARY BENCHMARK (DATUM = 100.00 FEET)
- ---- = PROPERTY LINE
- B = BENZENE
- T = TOLUENE
- E = ETHYLBENZENE
- X = TOTAL XYLENES
- TPH = TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
- NUMBER = CONCENTRATION IN MICROGRAMS PER LITER

FIGURE 4

GROUNDWATER ANALYTICAL RESULTS
FORMER CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA.

PROJECT NO. 45-92-739		DRAWN BY GREG ROSAS	
FILE NO. 27390474		PREPARED BY ALLEN JUST	
DATE 29 OCT 92	REV.	REVIEWED BY	

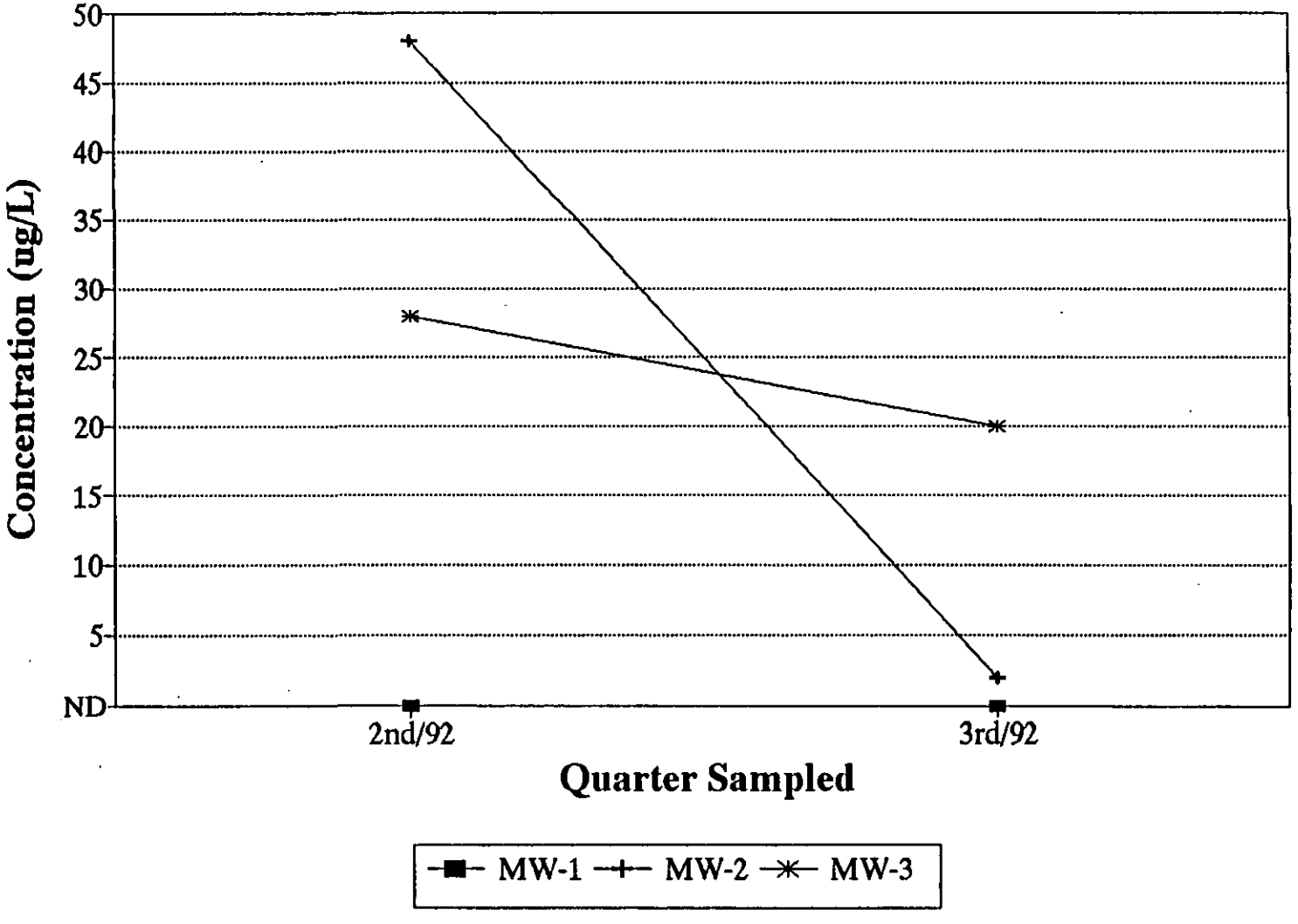
Delta Environmental Consultants, Inc.

GRAPHS

GRAPH 1

BENZENE CONCENTRATIONS vs TIME

Former Chevron Service Sta. No. 9-3521

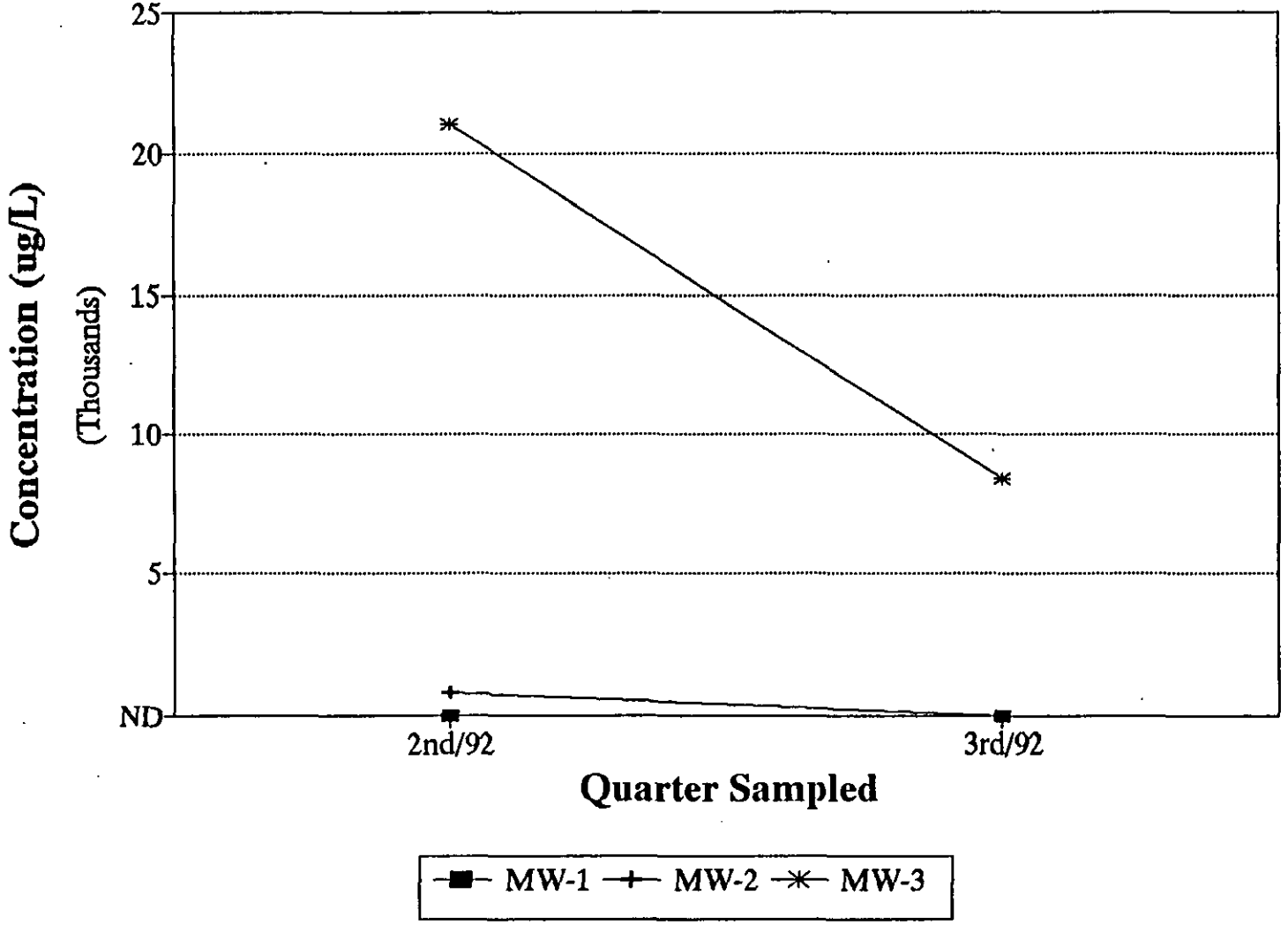


ND = Not Detected

GRAPH 2

TPH CONCENTRATIONS vs TIME

Former Chevron Service Sta. No. 9-3521

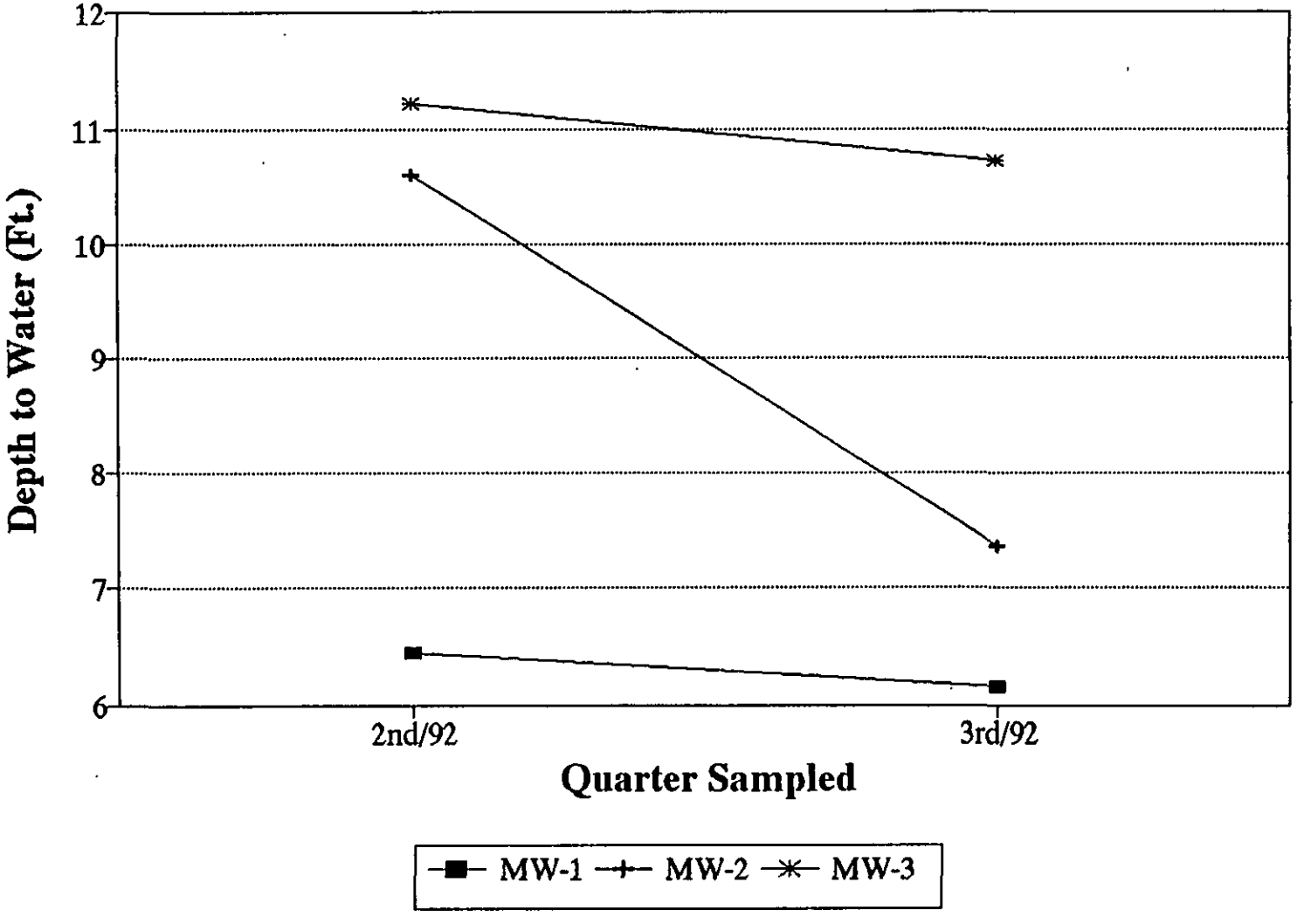


ND = Not Detected

GRAPH 3

HYDROGRAPH

Former Chevron Service Sta. No. 9-3521



APPENDIX A

Field Procedures

FIELD PROCEDURES

The following section describes field procedures followed by Delta personnel during the performance of quarterly groundwater monitoring activities.

1.0 DEPTH TO PHASE-SEPARATED HYDROCARBONS AND GROUNDWATER

Prior to purging and sampling of groundwater monitoring wells, a petroleum product/water interface probe was utilized to determine the presence and/or thickness of phase-separated hydrocarbons (PSH) and depth to groundwater in each well. If a PSH layer was not detected by the interface probe and the presence of a PSH sheen was questionable, a water sample was collected by lowering a disposable bailer down the well and allowing the bailer to half-fill with water. The collected water sample was then inspected for a PSH sheen.

2.0 PHASE-SEPARATED HYDROCARBON RECOVERY

If a measurable PSH layer was detected, an attempt was made to recover as much PSH as possible using a top-fill polyvinyl chloride (PVC) bailer. In an effort to limit the amount of groundwater recovered and to skim the PSH from the groundwater table, the bailer was lowered down the well to just beneath the PSH/water interface. Recovery of the PSH was terminated when recovery by this method was no longer feasible. The recovered PSH was placed in a 55-gallon drum for temporary storage on-site.

3.0 GROUNDWATER MONITORING WELL PURGING AND SAMPLING

Prior to initiation of the well purging activities, the depth to water and the total depth of the well was measured to calculate the standing water column in each well. A submersible pump or PVC purging bailer was utilized to attempt to purge a minimum of three casing volumes of water from the wells. The temperature, pH, and specific conductance of the purge water were three parameters measured throughout the purging process. The purging process was terminated under one of the following two conditions:

1) Upon removal of a minimum three casing volumes of purge water and stabilization of the three parameters.

2) If at any time following the removal of the water within the well casing, recharge of the well was not sufficient to sustain the purging process.

The purge and decontamination water were placed in 55-gallon drums for temporary storage on-site. The drummed water was removed from the site by a Chevron-approved transporter using a vacuum truck and transported to an appropriate facility for recycling. The submersible pump and any hose that came in contact with the groundwater or the purging bailer was decontaminated prior to and between uses utilizing a three-container washing process. The three containers contained a phosphate-free detergent/tap water solution, tap water, and de-ionized or double purified water.

Subsequent to purging, groundwater levels were remeasured using a water level indicator. This post-purge water level data was used to calculate the percent recharge of each well. The wells were allowed to recharge to approximately 80% of the static water level or a minimum of two hours following completion of the purging. A water sample was then collected from each well using a dedicated disposable bailer. The retrieved samples were then placed in the appropriate container(s), labeled, identified on a Chevron chain of custody, and placed in a chilled cooler until delivery to a Chevron-contracted California Department of Health Services (CA DHS) certified hazardous waste laboratory. All samples were transported to the laboratory and analyzed within EPA-specified holding times for the requested analyses. Strict chain-of-custody procedures were followed to assure sample integrity.

APPENDIX B

Field Records

GROUND WATER LEVEL DATA

PROJECT: Chevron SS # 9-3521 DELTA PROJECT NO. 45-92-739

DATE: 9/10/92 RECORDED BY: dtl MEASURING DEVICE: Solinst water level indicator

WELL NO.	TIME	~~REFERENCE ELEVATION~~ Total Depth	DEPTH TO G.W.*	ELEVATION	FREE PRODUCT THICKNESS	PHYSICAL OBSERVATIONS/COMMENTS
MW-1	2:24	14.76	6.16			
MW-2	2:37	14.22	7.36			casing has been cut
MW-3	2:46	13.39	10.74			casing has been cut

* Measured from top of riser unless otherwise noted.

1012/10-88

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: None
WIND SPEED: 0-5 mph
TEMPERATURE: 80°

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 6.16 TIME: 2:24 pm
WELL DEPTH: 14.76

PROJECT:

DATE: 9/10/92
CLIENT: Chevron
LOCATION: Chevron SS #9-352
7651 Alvarado Road
San Mateo, CA
DELTA NO: 45-92-739
PROJECT MGR.: Allen Liu

SAMPLING:

SAMPLING POINT MW-1
SAMPLE I.D. NO. MW-1 TIME: 5:45 pm
SAMPLES COLLECTED 3-40 ml vials
SAMPLE APPEARANCE Clear W.L. 11.74

PURGING METHOD:

☐ SUBMERSIBLE PUMP ☑ BAILER 4" ☐ OTHER _____

PUMP INTAKE OR BAILER SET AT _____ ft. BELOW MP. ☐ NA

[(14.76) - (6.16)] × (_____) × (_____) = 19 gal

WELL DEPTH | D.T.W | .65/4", .17/2" | PURGE VOLS. | PURGE VOLUME

CLEANING DONE IN FIELD decon bailer

EVACUATION/STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	WATER LEVEL (NEAREST .01')	CUMULATIVE VOL OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
3:17	7.72	2.10×10^3	80.0		2.5	
3:20	7.71	2.07×10^3	79.7		5	
3:23	7.73	2.03×10^3	79.0		7.5	
3:26	7.74	1.99×10^3	78.1		10	
3:33	7.76	1.97×10^3	77.6		12	

BAILING START TIME: 3:14 pm am/pm BAILING FINISH TIME: 3:33 pm am/pm

COMMENTS: Well bailed dry after 12 gallons

TRANSPORTATION (THERMAL PRESERVATION) ice/cooler

FORM COMPLETED BY _____ SAMPLED BY: _____

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: None
WIND SPEED: 0-5 mph
TEMPERATURE: 77°

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 7.36 TIME: 2:37 pm
WELL DEPTH: 14.22

PROJECT:

DATE:	9/10/92
CLIENT:	Chevron
LOCATION:	Chevron SS #9-352 7651 Alvarado Road La Mesa, CA
DELTA NO:	45-92-739
PROJECT MGR:	Allen Hsu

SAMPLING:

SAMPLING POINT MW-2
SAMPLE I.D. NO. MW-2 TIME: 6:12
SAMPLES COLLECTED 3-40 ml vials
SAMPLE APPEARANCE Clear W.L. 13.20

PURGING METHOD:

☐ SUBMERSIBLE PUMP ☑ BAILER 4" ☐ OTHER

PUMP INTAKE OR BAILER SET AT _____ ft. BELOW MP. ☐ NA

(14.22) - (7.36) × (_____) × (_____) = 16
WELL DEPTH D.T.W .65/4", .17/2" PURGE VOLS. PURGE VOLUME

CLEANING DONE IN FIELD Steam boiler

EVACUATION/STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	WATER LEVEL (NEAREST .01')	CUMULATIVE VOL OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
3:55	7.36	2.27×10^3	79.0		2	
3:58	7.32	2.27×10^3	78.5		4	
4:02	7.36	2.25×10^3	78.3		7	
4:10	7.59	2.17×10^3	76.6		10	
4:15	7.63	2.16×10^3	77.1		11	

BAILING START TIME: 3:53 pm am/pm BAILING FINISH TIME: 4:15 pm am/pm

COMMENTS:
- Well bailed dry at 11 gallons
- Casing was been cut off
- MW-4 is duplicate of MW-2

TRANSPORTATION (THERMAL PRESERVATION) iced cooler

FORM COMPLETED BY dh SAMPLED BY: dh

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: None
WIND SPEED: 5-10 mph
TEMPERATURE: 75°

WELL DESCRIPTION:

CASING DIAMETER: 4"
DEPTH TO WATER: 10.74 TIME: 2:46 pm
WELL DEPTH: 13.39

PROJECT:

DATE:	9/10/92
CLIENT:	Chevron
LOCATION:	Chevron SS #9-3521
	7651 Alvarado Road
	La Mesa, CA
DELTA NO:	15-92-739
PROJECT MGR.:	Allen Yost

SAMPLING:

SAMPLING POINT MW-3
SAMPLE I.D. NO. MW-3 TIME: 6:45 pm
SAMPLES COLLECTED 3-40 ml vials
SAMPLE APPEARANCE Yellow W.L. 12.19

PURGING METHOD:

☐ SUBMERSIBLE PUMP ☑ BAILER 4" ☐ OTHER _____

PUMP INTAKE OR BAILER SET AT _____ ft. BELOW MP. ☐ NA

(13.39) - (10.74) × (_____) × (_____) = 8

WELL DEPTH D.T.W .65/4", .17/2" PURGE VOLS. PURGE VOLUME

CLEANING DONE IN FIELD Decon bailer

EVACUATION/STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	WATER LEVEL (NEAREST .01')	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)
4:31	7.05	2.08×10^3	78.2		1	
4:37	7.03	2.09×10^3	77.2		3	
4:43	7.13	2.08×10^3	76.5		4	

BAILING START TIME: 4:30 pm am/pm BAILING FINISH TIME: 4:43 pm am/pm

COMMENTS: Well bailed dry at 4 gallons

TRANSPORTATION (THERMAL PRESERVATION) iced cooler

FORM COMPLETED BY AL SAMPLED BY: AL

DELTA ENVIRONMENTAL CONSULTANTS
SAMPLING INFORMATION SHEET

WEATHER CONDITION:

CLOUD COVER: _____

WIND SPEED: _____

TEMPERATURE: _____

WELL DESCRIPTION:

CASING DIAMETER: _____

DEPTH TO WATER: _____ TIME: _____

WELL DEPTH: _____

PROJECT:

DATE:	9/10/92
CLIENT:	Chevron
LOCATION:	Chevron SS #9-3521
	7651 Alvarado Road
	La Mesa, CA
DELTA NO:	5592-739
PROJECT MGR.:	Allen Hirst

SAMPLING:

SAMPLING POINT MW-2

SAMPLE I.D. NO. MW-4 TIME: 6:15

SAMPLES COLLECTED 3-40 ml vials

SAMPLE APPEARANCE Clear W.L. 13.20

PURGING METHOD:

☐ SUBMERSIBLE PUMP ☐ BAILER ____ ☐ OTHER _____

PUMP INTAKE OR BAILER SET AT _____ ft. BELOW MP. ☐ NA

[(_____) - (_____)] × (_____) × (_____) = _____

WELL DEPTH D.T.W .65/4", .17/2" PURGE VOLS. PURGE VOLUME

CLEANING DONE IN FIELD _____

_____

EVACUATION/STABILIZATION TEST DATA

TIME	pH (UNITS)	TEMP. CORRECTED CONDUCTANCE (µS/cm)	TEMPERATURE °F	WATER LEVEL (NEAREST .01')	CUMULATIVE VOL. OF H_2O REMOVED FROM WELL (gal.)	PUMPING RATE (gpm)

BAILING START TIME: _____ am/pm BAILING FINISH TIME: _____ am\pm

COMMENTS: _____

- Duplicate of MW-2

TRANSPORTATION (THERMAL PRESERVATION) Iced

FORM COMPLETED BY dh SAMPLED BY: dh

APPENDIX C

Chain of Custody
and Laboratory Report

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

GF3059

PROJECT NAME Chevron
PROJECT I.D. No. 45-92-739
CONSULTANT NAME Delta
ADDRESS 27141 Aliso Creek Rd #270
PROJECT CONTACT (NAME) Allen Just
(PHONE) (714) 362-3077
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) Ruben Avilez
(PHONE)

LABORATORY NAME Coast-to-Coast
CONTRACT NUMBER
COLLECTED BY (NAME) Dana Koschel
(SIGNATURE) Dana P. Koschel
COLLECTION DATE 9/10/92

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB. as Gasoline	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
MW-1	-1	3		X			9/10	5:54 PM	X	X		X			X						
MW-2	-2	3		X			9/10	6:12 PM	X	X		X			X						
MW-3	-3	3		X			9/10	6:45 PM	X	X		X			X						
MW-4	-4	3		X			9/10	6:15 PM	X	X		X			X						
TB-1	-5	4 DG.		X			9/10	6:00 AM	X	X		X			X						

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Dana P. Koschel	Delta	9/11/92 10:28	Milton Guevara	CCAS	9/11 1225
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Milton Guevara	CCAS	9-11 1300	Diane Guevara GOLD INTACT	CCAS	9/14/92 0843
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

PREPARED FOR: **Mr. Mike Bauer**
Chevron U.S.A. Products Company
1300 South Beach Boulevard
La Habra, California 90631

BIANNUAL MONITORING REPORT
JULY 1 THROUGH DECEMBER 31, 1994
FORMER CHEVRON SERVICE STATION # 9-3521
7651 Alvarado Road
La Mesa, California

DECEMBER 31, 1994

PREPARED BY: **WAYNE PERRY CONSTRUCTION, INC.**
8301 West Commonwealth Avenue
Buena Park, California 90621

WRITTEN BY:

VLADIMIR A. MARIENKO
Staff Geologist

REVIEWED BY:

RICHARD V. SMITH
Registered Geologist
No. 5014

Project No. 93.390

BIANNUAL MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION *1*
ANALYTICAL RESULTS SUMMARY *1*
CONCLUSIONS *2*

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TABLE 2 *HISTORIC GROUNDWATER ANALYSES AND GAUGING RESULTS*

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FIGURE 2 *PLOT PLAN*
FIGURE 3 *GROUNDWATER CONTOUR MAP*
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GROUNDWATER SAMPLING PROCEDURES
FIELD TESTING DATA

APPENDIX B *LABORATORY REPORT*
CHAIN-OF-CUSTODY FORM

BIANNUAL MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION

Enclosed is the biannual monitoring report for former Chevron Station No. 9-3521 located at 7651 Alvarado Road in the city of La Mesa (Figures 1 and 2). This report updates groundwater monitoring activities performed between July 1 and December 31, 1994.

On September 22, 1994 monitoring wells MW-1 through MW-5 were gauged and sampled. Samples were obtained sequentially from wells MW-1, MW-2, MW-5, MW-4, and MW-3 in order of increasing dissolved hydrocarbons as determined from previous laboratory analyses. A description of groundwater sampling procedures is presented in Appendix A. Gauging data are presented in Table 1 and were used to derive a groundwater contour map (Figure 3).

Purged groundwater was transported to the Chevron Refinery in El Segundo for recycling. Copies of the disposal documents are presented in Appendix A.

ANALYTICAL RESULTS SUMMARY

A duplicate sample from monitoring well MW-1 and trip blank were prepared and analyzed to verify the integrity of field and laboratory procedures. All groundwater and blank samples were tested for total petroleum hydrocarbons - gasoline using the California Department of Health Services Test Method 8015-M and purgeable aromatics and methyl tertiary butyl ether using EPA Test Method 602. A copy of the laboratory report and chain-of-custody form are included in Appendix B. Results of the laboratory analyses for samples obtained on September 22, 1994 are provided in Table 1. A summary of groundwater analyses is presented in Table 2.

Dissolved hydrocarbons were not detected in the sample and duplicate from well MW-1.

Results of the laboratory analyses indicate the concentration of TPH-gasoline was 3,500 ug/l in the sample from well MW-3. The level of benzene was 53 ug/l in the sample from well MW-3. Dissolved hydrocarbons were not detected in samples from wells MW-1, MW-2, MW-4, and MW-5. Concentrations of dissolved hydrocarbons are shown on Figure 4.

The level of methyl tertiary butyl ether was 12 ug/l in the sample from well MW-3. Methyl tertiary butyl ether was not detected in samples from wells MW-1, MW-2, MW-4, and MW-5.

CONCLUSIONS

Comparison of laboratory data from the previous monitoring episode indicates concentrations of dissolved hydrocarbons decreased in the sample from well MW-3. Dissolved hydrocarbons continued to be below detection limits in samples from wells MW-1, MW-2, MW-4, and MW-5. The highest levels of dissolved hydrocarbons were present in the sample from well MW-3. Benzene exceeded action levels in the sample from well MW-3. Benzene concentrations over time are shown on Graphs 1 and 2. Levels of methyl tertiary butyl ether increased in the sample from well MW-3 and continued to be below detection limits in samples from wells MW-1, MW-2, MW-4, and MW-5.

Groundwater elevations increased by an average of 0.07 feet in wells MW-2, MW-4, and MW-5 and decreased by an average of 0.12 feet in wells MW-1 and MW-3 as compared to the previous monitoring episode. Groundwater elevations over time are shown on Graph 3. The direction of groundwater flow was northwesterly at a gradient of 0.03 foot per foot.

o o O o o

This report has been prepared for the exclusive use of Chevron U.S.A. Products Company as it pertains to their site located at 7651 Alvarado Road, La Mesa, California. No warranty, expressed or implied, is made as to the professional advice in this report.

TABLES

Table 1. Groundwater Analyses and Gauging Results
Table 2. Historic Groundwater Analyses and Gauging Results

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 1. WATER ANALYSES AND GAUGING RESULTS FOR FORMER CHEVRON STATION # 9-3521 SAMPLED SEPTEMBER 22, 1994

WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	MTBE (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	eH (mV)	DISSOLVED OXYGEN (ppm)	COMMENTS
ND=	<0.3	<0.3	<0.3	<0.6	<500	<0.5								
MW-1	ND	ND	ND	ND	ND	ND	6.29	0.00	89.53	95.82	14.76	80	1.2	
MW-2	ND	ND	ND	ND	ND	ND	7.44	0.00	86.42	93.86	14.22	-40	1.1	
MW-3	53	ND	15	2.9	3,500	12	10.96	0.00	86.23	97.19	13.40	OR	0.5	
MW-4	ND	ND	ND	ND	ND	ND	9.74	0.00	83.43	93.17	10.71	90	0.9	
MW-5	ND	ND	ND	ND	ND	ND	3.42	0.00	88.63	92.05	14.20	45	1.4	

OR = out of range

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS FOR FORMER CHEVRON STATION # 9-3521

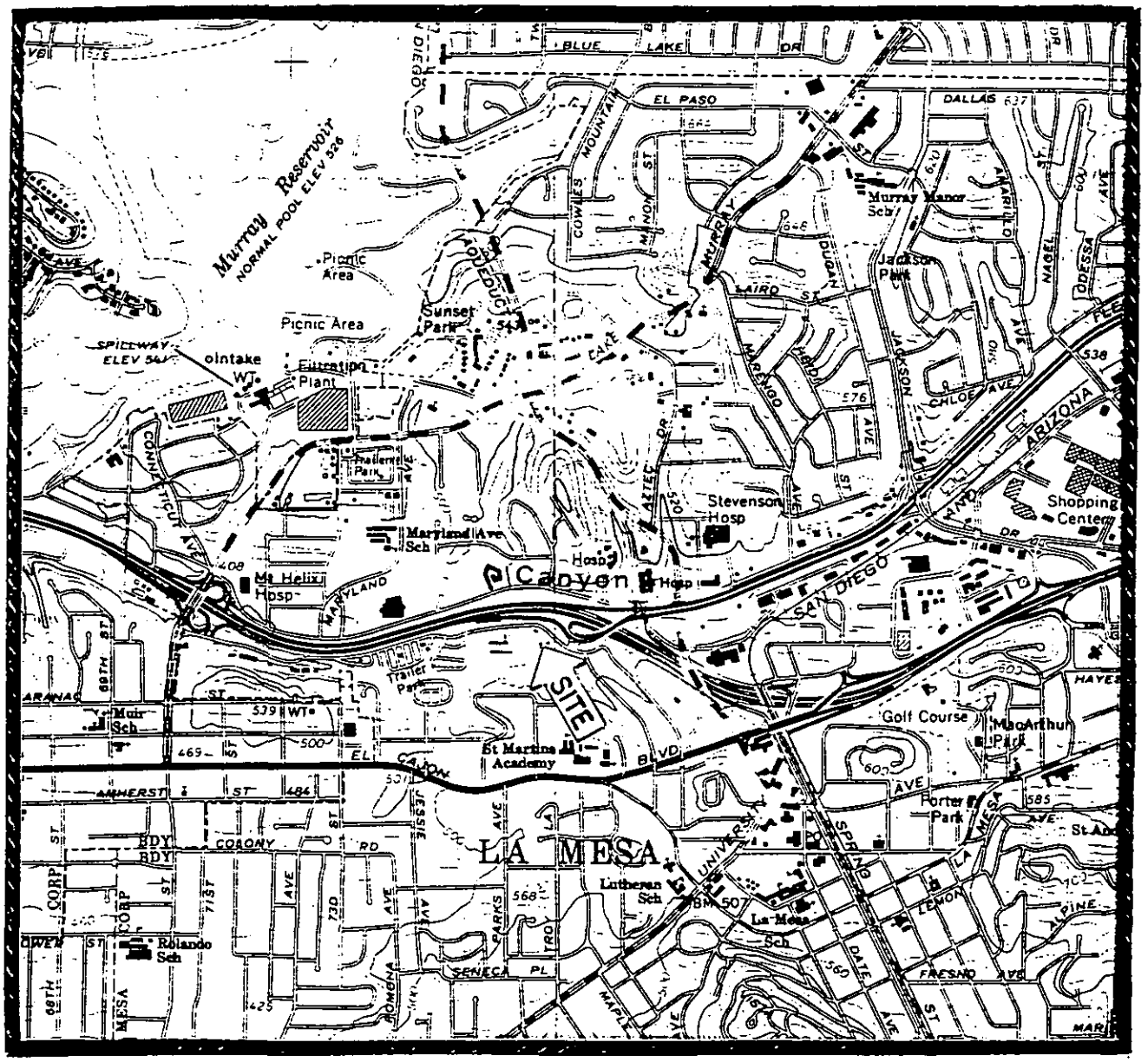
DATE	WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	MTBE (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	eH (mV)	DISSOLVED OXYGEN (ppm)	COMMENTS
	ND=	<0.3	<0.3	<0.3	<0.6	<500	<0.5								
04/08/92	MW-1	ND	ND	ND	ND	ND		6.46	0.00	89.36	95.82				
09/10/92	MW-1	ND	ND	ND	ND	ND		6.16	0.00	89.66	95.82				
12/01/92	MW-1	ND	ND	ND	ND	ND		6.28	0.00	89.54	95.82				
10/04/93	MW-1	ND	ND	ND	ND	ND		6.27	0.00	89.55	95.82	14.74			
11/23/93	MW-1	ND	ND	ND	ND	ND		6.36	0.00	89.46	95.82	14.71			
03/25/94	MW-1	ND	ND	ND	ND	ND	ND	6.24	0.00	89.58	95.82	14.76	125	2.1	
09/22/94	MW-1	ND	ND	ND	ND	ND	ND	6.29	0.00	89.53	95.82	14.76	80	1.2	
04/08/92	MW-2	48	13	4.6	17	800		10.61	0.00	83.25	93.86				
09/10/92	MW-2	2	4	ND	ND	ND		7.36	0.00	86.50	93.86				
12/01/92	MW-2	0.6	0.4	ND	0.7	ND		7.22	0.00	86.64	93.86				
10/04/93	MW-2	ND	ND	ND	ND	ND		7.43	0.00	86.43	93.86	14.18			
11/23/93	MW-2	ND	ND	ND	ND	ND		7.45	0.00	86.41	93.86	14.18			
03/25/94	MW-2	ND	ND	ND	ND	ND	ND	7.46	0.00	86.40	93.86	14.26	0	1.3	
09/22/94	MW-2	ND	ND	ND	ND	ND	ND	7.44	0.00	86.42	93.86	14.22	-40	1.1	
04/08/92	MW-3	28	5.1	320	640	21,000		11.22	0.00	85.97	97.19				
09/10/92	MW-3	20	22	100	27	8,400		10.74	0.00	86.45	97.19				
12/01/92	MW-3	32	2.7	120	29	11,000		10.76	0.00	86.43	97.19				
10/04/93	MW-3	15	1	40	9	4,800		10.85	0.00	86.34	97.19	13.36			
11/23/93	MW-3	14	0.9	78	19	5,500		10.94	0.00	86.25	97.19	13.34			
03/25/94	MW-3	10	ND	58	12	4,300	ND	10.77	0.00	86.42	97.19	13.38	0	0.9	
09/22/94	MW-3	53	ND	15	2.9	3,500	12	10.96	0.00	86.23	97.19	13.40	OR	0.5	
03/25/94	MW-4	ND	ND	ND	ND	ND	ND	8.83	0.00	84.34	93.17	10.69	125	1.2	
09/22/94	MW-4	ND	ND	ND	ND	ND	ND	9.74	0.00	83.43	93.17	10.71	90	0.9	
03/25/94	MW-5	ND	ND	ND	ND	ND	ND	3.50	0.00	88.55	92.05	14.20	85	1.4	
09/22/94	MW-5	ND	ND	ND	ND	ND	ND	3.42	0.00	88.63	92.05	14.20	45	1.4	

OR = out of range

FIGURES

Figure 1. Site Location Map
Figure 2. Plot Plan
Figure 3. Groundwater Contour Map
Figure 4. Dissolved Hydrocarbon and MTBE Concentration Map

SITE LOCATION MAP



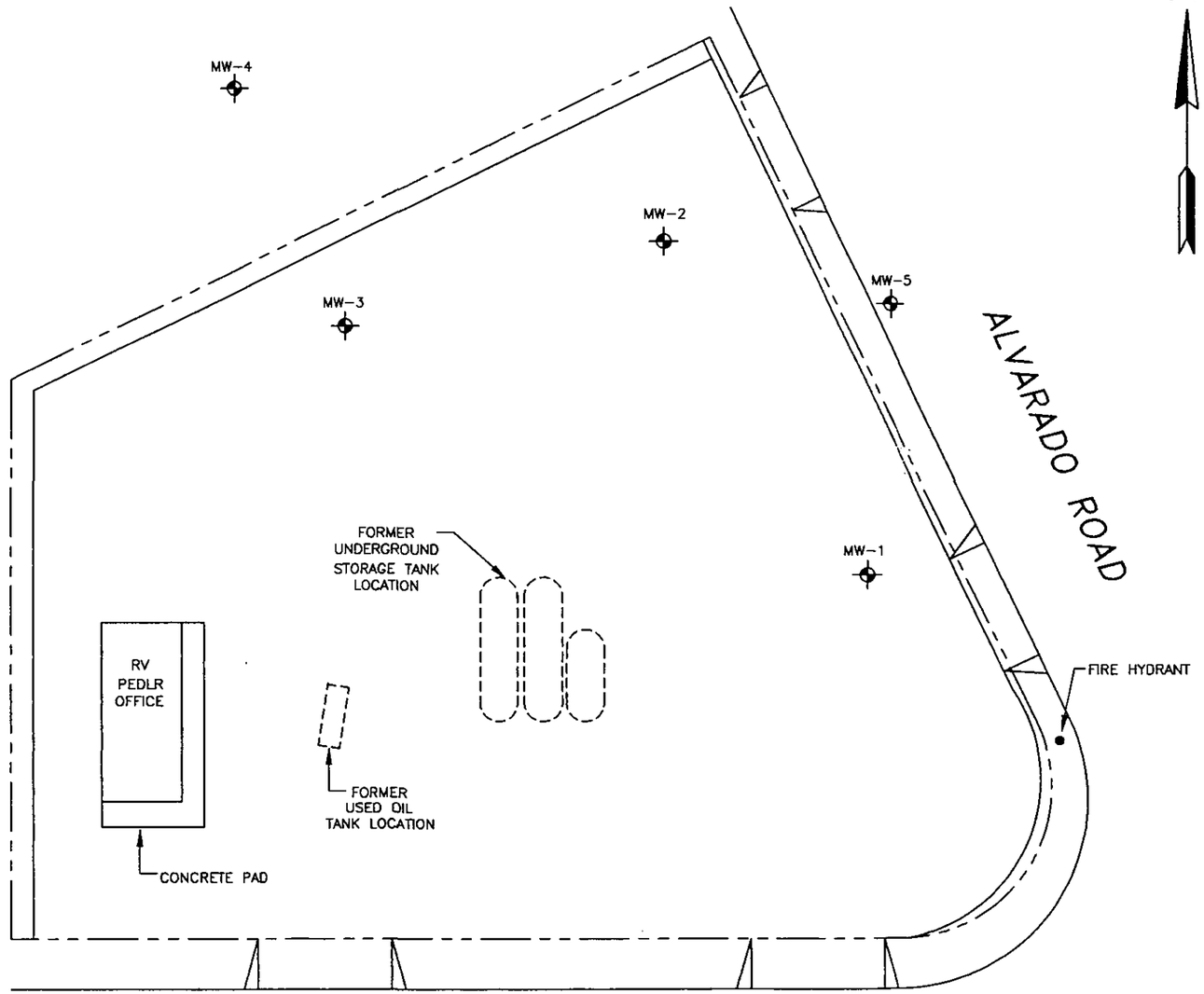
BASE MAP: LA MESA QUADRANGLE

7.5 MINUTES USGS

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA

PROJECT NO.	FIGURE NO.
93.390	1
DRAWN BY	

Wayne Perry Construction Inc.



KEY

MW-5 GROUNDWATER MONITORING WELL

SOURCE :

MODIFIED FROM A MAP CREATED BY DELTA ENVIRONMENTAL INC., AND SUPPLIED BY CHEVRON, U.S.A.

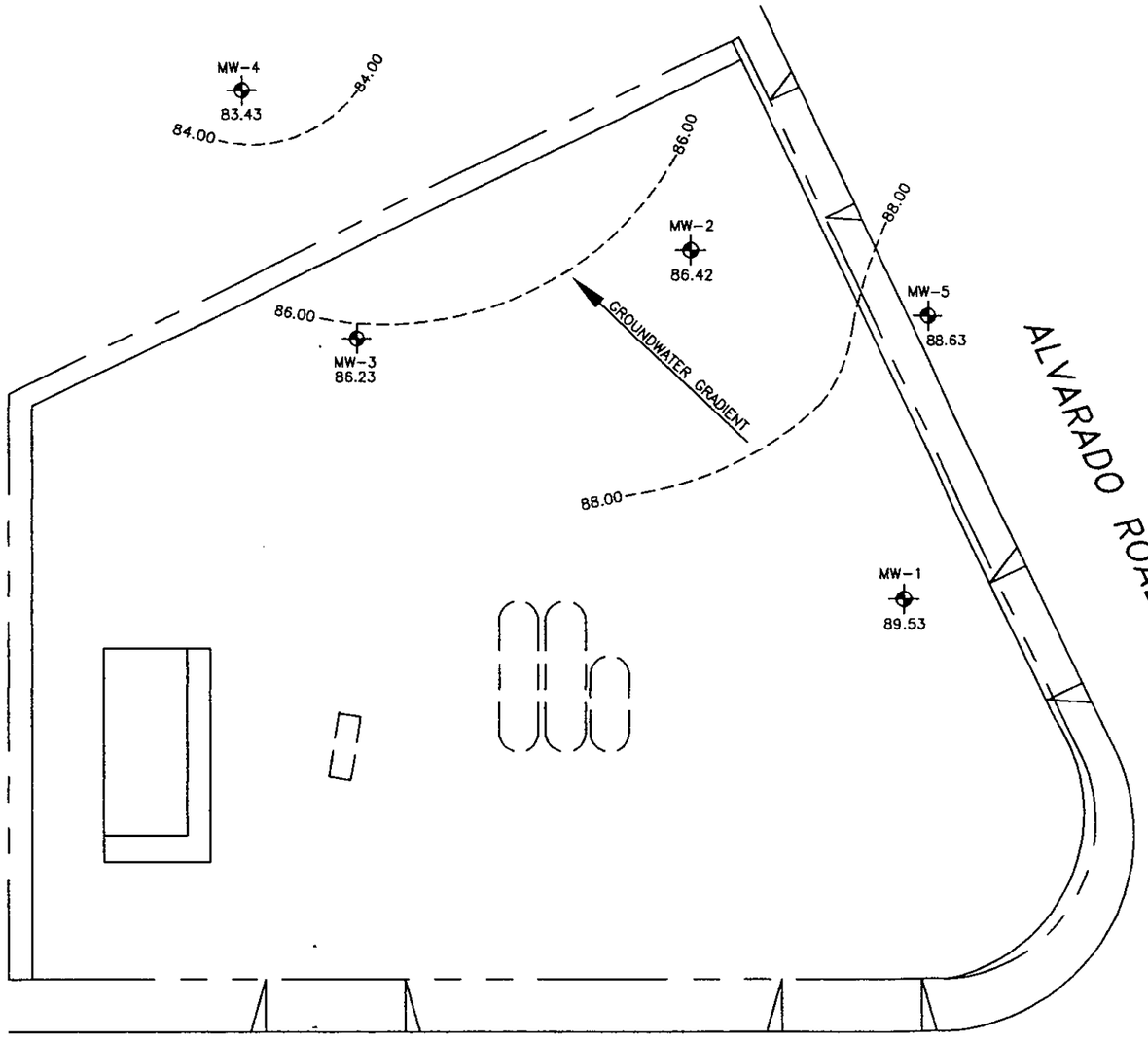
30 0 30 60

SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

PLOT PLAN

Wayne Perry Environmental Specialists	DWG. NO. 39000001	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 2	DATE 5/6/94



N

KEY

MW-5
88.63
MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL FOR JULY THROUGH SEPTEMBER 1994.

88.00 GROUNDWATER CONTOUR

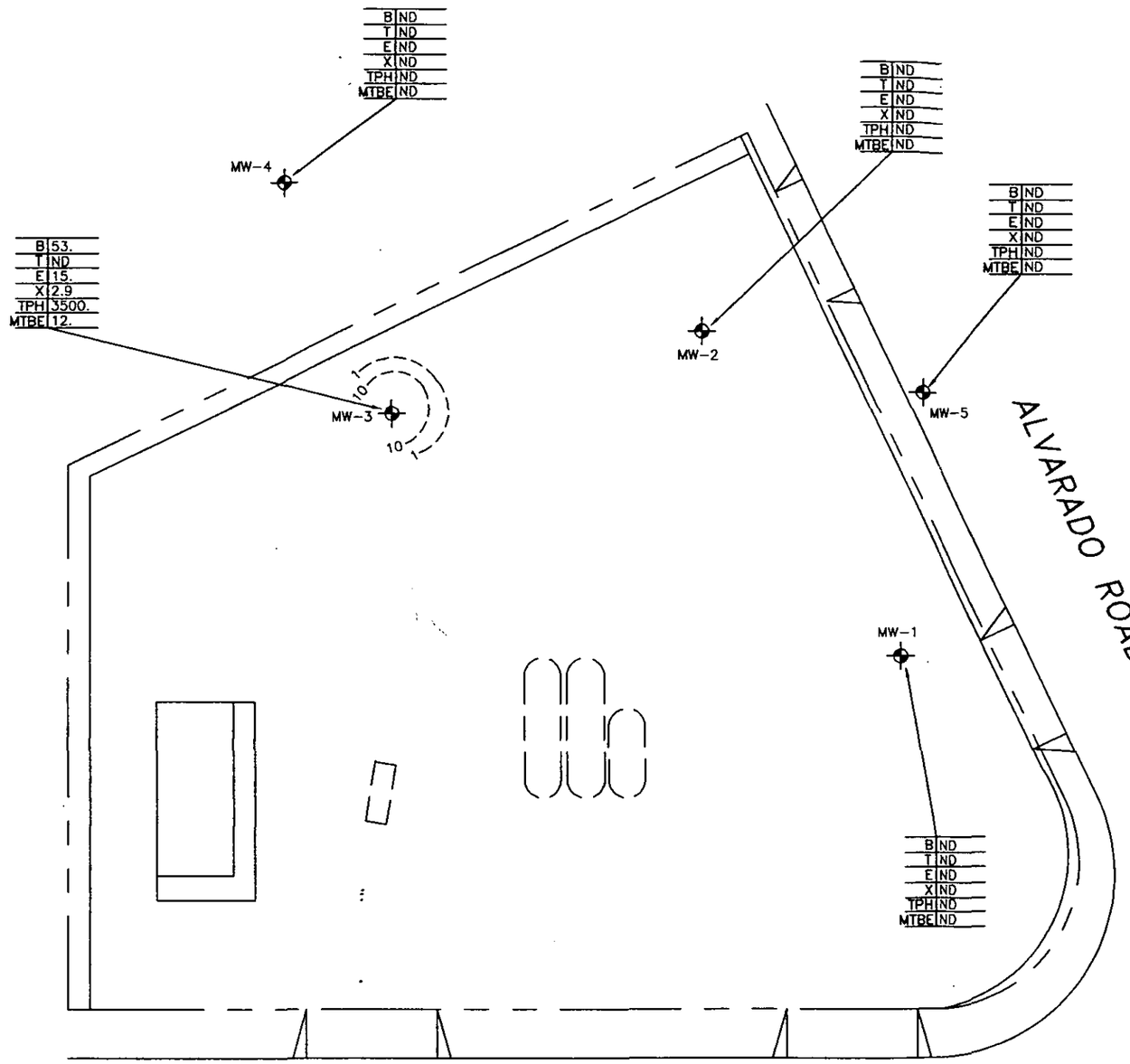
CONTOUR INTERVAL = 2.00 FEET

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

GROUNDWATER CONTOUR MAP

ENVIRONMENTAL WaynePerry SPECIALISTS	DWG. NO. 39000002	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 3	DATE 10/14/94



N

KEY

MW-3 — GROUNDWATER MONITORING WELL SHOWING CONCENTRATIONS OF DISSOLVED HYDROCARBONS AND MTBE IN ug/L.

------ 10 ------ BENZENE CONTOUR IN ug\L.

NOTES :

1. DATE OF SAMPLING – 9/22/94
2. ND – NOT DETECTED
3. MTBE – METHYL TERTIARY BUTYL ETHER

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

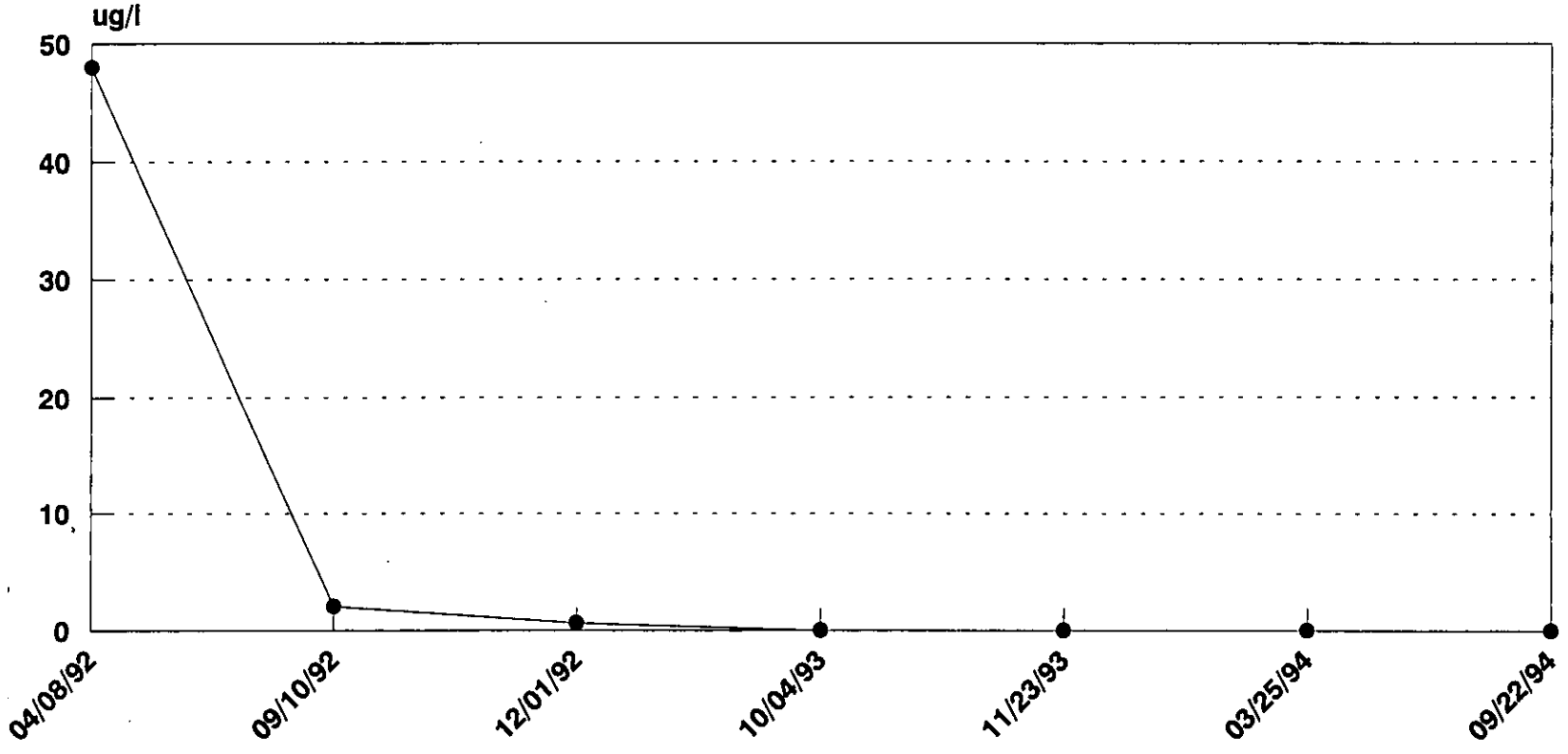
DISSOLVED HYDROCARBON AND MTBE CONCENTRATION MAP

Wayne Perry Environmental Specialists	DWG. NO. 39000003	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 4	DATE 10/14/94

GRAPHS

Graphs 1-2. Benzene Concentrations vs Time
Graph 3. Hydrograph

9-3521 Alvarado Rd/Comanche Dr
Benzene Concentrations Over Time

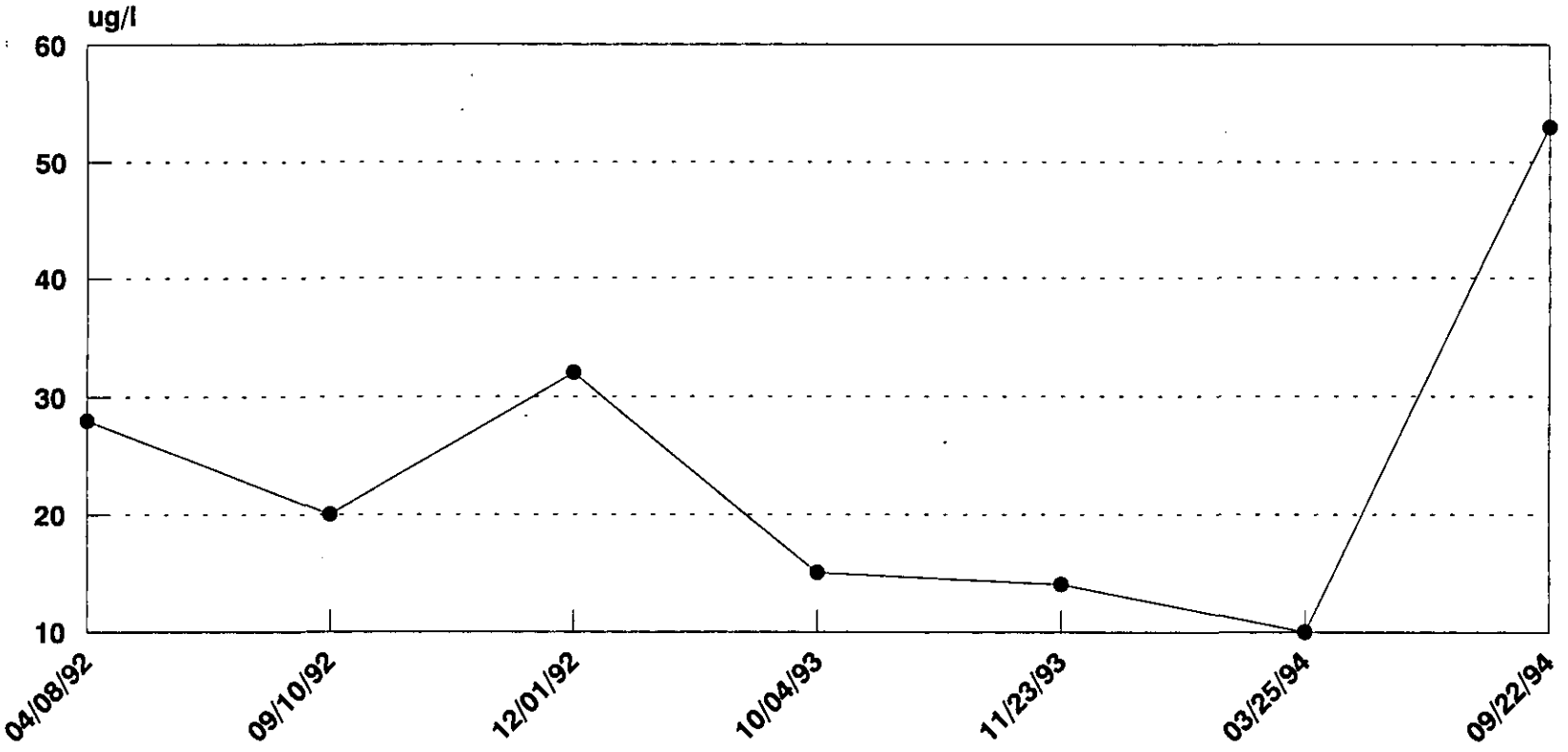


Graph 1

Well MW-2

10/16/94
Project No. 93.390

9-3521 Alvarado Rd/Comanche Dr
Benzene Concentrations Over Time

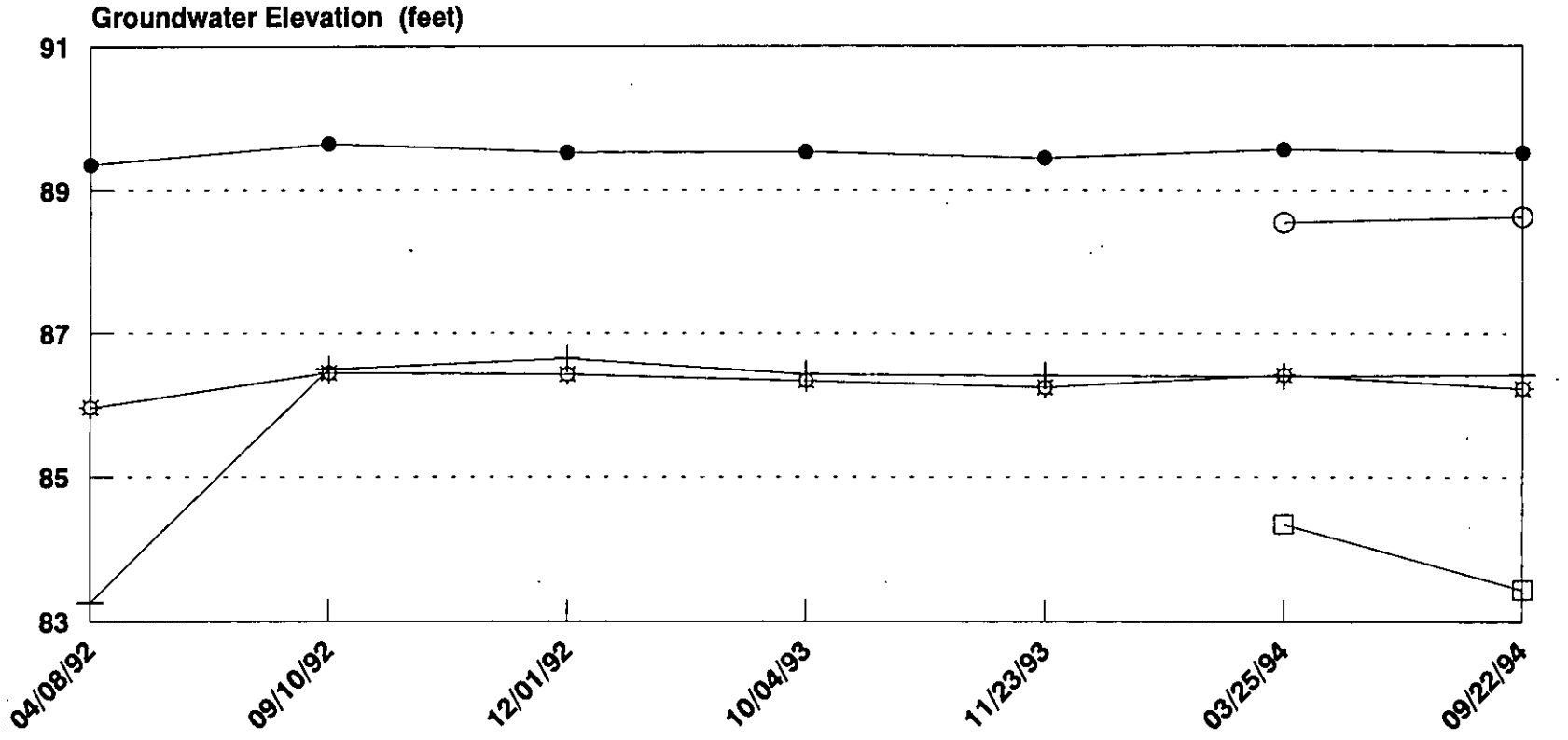


Graph 2

Well MW-3

10/16/94
Project No. 93.390

9-3521 Alvarado Rd/Comanche Dr
Hydrograph Over Time



Graph 3

10/16/94
Project No. 93.390

APPENDIX A

Disposal Documents
Groundwater Sampling Procedures
Field Testing Data

Copy # 3 — Memorandum — Short Form — Not Negotiable
(Subject to Terms and Conditions on Reverse)

Shipper Perm. Address: **Chevron U.S.A. Products Company**
575 Market Street, San Francisco, CA 94105

No. 072466

Rec'd at (Origin): Station 9-3521 ALVARADO / COMANCHE

Date: 9-23-94

Carrier: La Mesa

Subject to Section 7 of Conditions

Cross Ref. B/L No.
☐ Prepaid
☐ Collect

F.O.B. ☐ Destination ☐ Origin

Consignee

Charge To

Ship To

Destination

Delivered By (Signature in Full)

Received by (Signature and Date): 9/23/94

Commodity Description	Temp.	Gross Gallons
Gasoline, 3, UN 1203, II, Marine Pollutant (Gasoline Leaded) Chevron Regular Gasoline		
Gasoline, 3, UN 1203, II Chevron Supreme Unleaded Gasoline		
Gasoline, 3, UN 1203, II Chevron Unleaded Gasoline		
Gasoline, 3, UN 1203, II Chevron Plus Unleaded Gasoline		
Fuel, Aviation, Turbine Engine, 3, UN 1863, III Chevron Jet Fuel A		
GROUNDWATER	#	58
Gas Oil, 3, UN 1202, III Chevron LS Diesel Fuel No. 1 (Diesel Fuel No. 1)		
Gas Oil, Combustible Liquid, UN 1202, III Chevron LS Diesel Fuel No. 2 (Diesel Fuel No. 2)		
Gas Oil, 3, UN 1202, III Chevron LS Heating Fuel No. 1 (Heating Fuel No. 1)		
Gas Oil, Combustible Liquid, UN 1202, III Chevron LS Heating Fuel No. 2 (Heating Fuel No. 2)		
Gas Oil, 3, UN 1202, III Chevron Special LS Diesel No. 1 (California Only)		
Gas Oil, Combustible Liquid, UN 1202, III Chevron Special LS Diesel No. 2 (California Only)		

This is to certify that the above-named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Shipper

Seal Nos.

Shipper's Authorized Representative

Carrier certifies that cargo tank is a proper container for the transportation of this commodity under applicable D.O.T. regulations.

Signature

Customer's Order No.

Equipment No. Trk / Tlr

Markers Loaded To Trk / Tlr

Innage (Inches) Trk / Tlr

Scheduled Loading Time

Point to Point Only

Meter Number	Product	Meter Reading Finish	Meter Reading Start	Gallons Loaded

Retains: Opening ☐ Closing ☐

Meter Number	Product	Meter Reading Finish	Meter Reading Start	Gallons Loaded

Retains: Opening ☐ Closing ☐

Time Admitted To Premises | Spotted For Loading | Started Loading | Released From Rack | Released From Premises

Total Time Charged | Non-Driving Time | Charged Delay | Non-Chg. Delay | Round Trip Miles

Return Term./Yard | Finish Unloading | Arrive Destination | Started Haul | Arrived Load Point | Depart Term./Yard | Comm. Carrier | Load No.

Mins. | Mins.

Show times of day as on "24 hour clock" — for example, show 10:30 P.M. as "2230." See reverse side for OSHA Hazard Warning Statement, and Initial Emergency Action.

3 — Consignee's Copy

MS-1018 (9-93) Printed in U.S.A.

CARGO MANIFEST

DATE: 9-22-94

CARRIER'S NAME: Wayne Perry Construction, Inc.
8281 Commonwealth Avenue
Buena Park, California 90621
CSC LICENSE #: 300345 **EPA CAD:** 053841102

ORIGIN EMPTY: Wayne Perry Construction, Inc.
8301 Commonwealth Avenue
Buena Park, California 90621
CSC LICENSE #: 300345 **EPA CAD:** 053841102

Cargo tank capacity: 630 gallons / 275 gallons **Tank #:** 22 **Truck #:** 17

Driver: Thomas Velazquez **Co-Driver:** Mario Milanes

DESTINATION EMPTY FOR CARGO LOADING: Alvarado / Comanche Job # 93.390
Job #
Job #
Job #

CARGO CONTENTS OF LOAD: 100 *% Water*
20 *% Gasoline 3 (UN1203) FLAMMABLE PG II*
100 *% Total Liquid*

CARGO DESTINATION: El Segundo Refinery / Gate 3
302 East El Segundo Boulevard
El Segundo, California 90245
EPA CAD: 053841102

COMMENTS: *Loaded*

2 Meter 160 Mil Jans 9/23/94

SIGNED: Thomas Velazquez

Truck must be unlocked at all times. This manifest must be on the seat within easy reach at all times, whether the truck is occupied or not. Keep on top of Gauge Sheet.

GROUNDWATER SAMPLING PROCEDURES

Prior to sampling, wells were purged of water using a stainless steel bailer. Fast recharging wells were purged of four casing volumes of water. Slow recharging wells were purged until dry and allowed to recover for two hours before sampling. Each casing volume of water was field tested for temperature, pH, and conductivity. The last casing volume was tested for redox potential and dissolved oxygen. Groundwater samples were field tested for turbidity. Field testing data are included in this appendix. Groundwater samples were obtained using a Teflon bailer equipped with a bottom emptying device and placed in VOA bottles with Teflon septums. All purging and sampling equipment was washed in non-phosphate soap and triple rinsed in distilled water between wells to reduce the potential for cross contamination.

In addition to the samples obtained from the wells, a trip blank and sample duplicate were prepared to verify the integrity of the field and laboratory procedures. Samples were placed on ice to reduce the potential for volatilization. Samples were transported to a certified laboratory for analyses under strict chain-of-custody procedures.

All groundwater samples were tested for total petroleum hydrocarbons using the California Department of Health Services Test Method 8015-M for gasoline. Samples were also tested for purgeable aromatics and methyl tertiary butyl ether using EPA Test Method 602.

CHEVRON U.S.A. PRODUCTS COMPANY
San Diego County Locations

Field Temperature, Conductivity, pH, Turbidity, eH, and Dissolved Oxygen Data

Cross Street: Alvarado/Comanche

Job Number: 93.390

Date: 09/22/94

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-1					11.0		Slow recharging well. Duplicate sample obtained.
Purged Water (gallons)	5.5	5.5					
Temperature (°F)	76	75					
Conductivity (µs/cm)	1.10	1.20					
pH (pH)	7.0	7.0				143.3	
Turbidity (NTU)							
eH (mV)		80					
Dissolved Oxygen (ppm)		1.2					

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-2					8.8		Slow recharging well.
Purged Water (gallons)	4.4	4.4					
Temperature (°F)	76	75					
Conductivity (µs/cm)	1.30	1.30					
pH (pH)	7.0	7.0				110.2	
Turbidity (NTU)							
eH (mV)		-40					
Dissolved Oxygen (ppm)		1.1					

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-5					14.0		Slow recharging well.
Purged Water (gallons)	7.0	7.0					
Temperature (°F)	70	71					
Conductivity (µs/cm)	1.70	1.70					
pH (pH)	6.9	7.0				27.9	
Turbidity (NTU)							
eH (mV)		45					
Dissolved Oxygen (ppm)		1.4					

CHEVRON U.S.A. PRODUCTS COMPANY
San Diego County Locations

Field Temperature, Conductivity, pH, Turbidity, eH, and Dissolved Oxygen Data

Cross Street: Alvarado/Comanche **Job Number: 93.390**

Date: 09/22/94

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-4							
Purged Water (gallons)	0.6				0.6		Slow recharging well.
Temperature (°F)	76						
Conductivity (µs/cm)	1.70						
pH (pH)	7.0						
Turbidity (NTU)						197.5	
eH (mV)	90						
Dissolved Oxygen (ppm)	0.9						

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-3							
Purged Water (gallons)	1.5	1.5			3.0		Slow recharging well.
Temperature (°F)	75	76					
Conductivity (µs/cm)	1.20	1.30					
pH (pH)	7.1	7.1					
Turbidity (NTU)						84.5	
eH (mV)		OR					OR = out of range
Dissolved Oxygen (ppm)		0.5					

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Purged Water (gallons)							
Temperature (°F)							
Conductivity (µs/cm)							
pH (pH)							
Turbidity (NTU)							
eH (mV)							
Dissolved Oxygen (ppm)							

APPENDIX B

Laboratory Report
Chain-of-Custody Form

RECD OCT 12 '94

pace
ENVIRONMENTAL LABORATORIES

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

Lab Number : CK4638
Project : Alvarado/Comanche, Proj. #93.390
Date Received: 09/26/94

CLIENT: Mike Bauer
Chevron USA, Inc
P.O. Box 2833
La Habra, CA 90632-2833

FAC.ID: 9-3521

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED
CK4638-1	MW-1	Monitoring Water	Thomas Velazquez	09/22/94 1126
CK4638-2	MW-2	Monitoring Water	Thomas Velazquez	09/22/94 1131
CK4638-3	MW-5	Monitoring Water	Thomas Velazquez	09/22/94 1134
CK4638-4	MW-4	Monitoring Water	Thomas Velazquez	09/22/94 1140

CONSTITUENT	UNITS	*PQL	CK4638-1	CK4638-2	CK4638-3	CK4638-4
BTEX + TPH (Gasoline) + MTBE						
Method:			E602/8015M	E602/8015M	E602/8015M	E602/8015M
Analyzed by:			KR	KR	KR	KR
Analyzed on:			10/04/94	10/04/94	10/04/94	10/04/94
Dilution Factor			1.0	1.0	1.0	1.0
Notes:			1	1	1	1
Methyl t-Butyl Ether (MTBE)	ug/L	0.5	ND	ND	ND	ND
Benzene	ug/L	0.3	ND	ND	ND	ND
Toluene	ug/L	0.3	ND	ND	ND	ND
Ethylbenzene	ug/L	0.3	ND	ND	ND	ND
Xylenes (Total)	ug/L	0.6	ND	ND	ND	ND
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	ND	ND	ND	ND
Amount Surrogate Spiked	ug/L	10000	9600.	9700.	8700.	9700.
Percent Surrogate Recovery	PERCENT		96.	97.	87.	97.
pH of preserved sample	UNITS	1.	2.	2.	2.	2.

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) Sample Preparation on 10/04/94 by KR using EPA 5030
10/10/94
GC9/K9N27718
KHR/khrgcc(dw)
CK463803278Z
CC: Truedi Balsitis
Wayne Perry Construction, Inc.
8301 West Commonwealth Avenue
Buena Park, CA 90621-2584

RECEIVED
OCT 12 1994
By

ENVIRONMENTAL LABORATORIES

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

CLIENT: Mike Bauer
Chevron USA, Inc
P.O. Box 2833
La Habra, CA 90632-2833

Lab Number : CK4638
Project : Alvarado/Comanche, Proj. #93.390
Date Received: 09/26/94

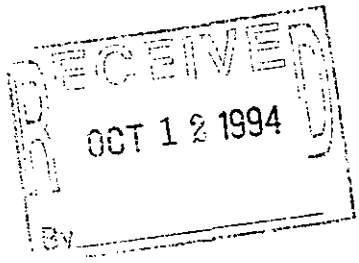
FAC.ID: 9-3521 REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED
CK4638-5	MW-3	Monitoring Water	Thomas Velazquez	09/22/94 1147
CK4638-6	Trip Blank	Monitoring Water	Thomas Velazquez	09/22/94
CK4638-7	Duplicate	Monitoring Water	Thomas Velazquez	09/22/94

CONSTITUENT	UNITS	*PQL	CK4638-5	CK4638-6	CK4638-7
BTEX + TPH (Gasoline) + MTBE					
Method:			E602/8015M	E602/8015M	E602/8015M
Analyzed by:			KR	KR	KR
Analyzed on:			10/04/94	10/04/94	10/04/94
Dilution Factor			1.0	1.0	1.0
Notes:			1	1	1
Methyl t-Butyl Ether (MTBE)	ug/L	0.5	12.	ND	ND
Benzene	ug/L	0.3	53.	ND	ND
Toluene	ug/L	0.3	ND	ND	ND
Ethylbenzene	ug/L	0.3	15.	ND	ND
Xylenes (Total)	ug/L	0.6	2.9	ND	ND
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	3500.	ND	ND
Amount Surrogate Spiked	ug/L	10000	9300.	9600.	9600.
Percent Surrogate Recovery	PERCENT		93.	96.	96.
pH of preserved sample	UNITS	1.	2.	2.	2.

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) Sample Preparation on 10/04/94 by KR using EPA 5030

10/10/94
GC9/K9N27722
KHR/khrgcc(dw)
CK4638032782
CC: Truedi Balsitis
Wayne Perry Construction, Inc.
8301 West Commonwealth Avenue
Buena Park, CA 90621-2584



An Equal Opportunity Employer

ENVIRONMENTAL LABORATORIES

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

QC Batch ID: CK463803278Z

CLIENT: PACE Incorporated

Analyzed : 10/04/94
Analyzed by: KR
Method : E602/8015M

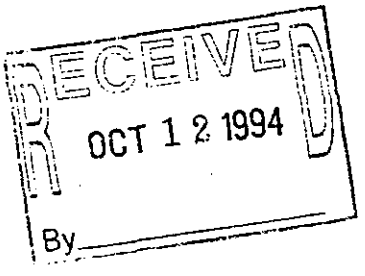
METHOD BLANK
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
METHOD BLANK	Aqueous			

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
BTEX + TPH (Gasoline) + MTBE				1
Methyl t-Butyl Ether (MTBE)		0.5	ND	
Benzene		0.3	ND	
Toluene		0.3	ND	
Ethylbenzene		0.3	ND	
Xylenes (Total)		0.6	ND	
Total Petroleum Hydrocarbons (Gasoline)		500.	ND	
Amount Surrogate Spiked		10000	11500.	
Percent Surrogate Recovery			115.	

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 10/04/94 by KR using EPA 5030

10/10/94
GC9/K9N2774
KHR/khrgcc(dw)
CK4638-3



ENVIRONMENTAL LABORATORIES

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

QC Batch ID: CK463803278Z

CLIENT: PACE Incorporated

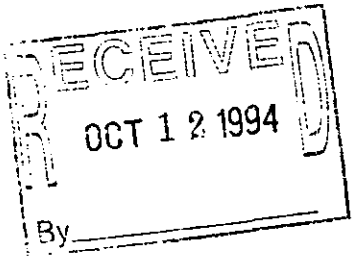
Analyzed : 10/05/94
Analyzed by: KR
Method : E602/8015M

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MATRIX SPIKE	Aqueous			

CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	NOTE
BTEX + TPH (Gasoline) + MTBE					1
Benzene	ND	18.	18.	100.	
Toluene	ND	200.	200.	100.	
Ethylbenzene	ND	35.	32.	91.	
Xylenes (Total)	ND	260.	240.	92.	
Total Petroleum Hydrocarbons (Gasoline)	ND	2000.	2000.	100.	

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 10/04/94 by KR using EPA 5030



10/10/94
GC9/K9N27745
KHR/khrgcc(dw)
CK4638-3

ENVIRONMENTAL LABORATORIES

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

QC Batch ID: CK463803278Z

CLIENT: PACE Incorporated

Analyzed : 10/05/94
Analyzed by: KR
Method : E602/8015M

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MATRIX SPIKE DUPLICATE	Aqueous			

CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	%DIFF	NOTE
BTEX + TPH (Gasoline) + MTBE						1
Benzene	ND	18.	21.	117.	15.	
Toluene	ND	200.	240.	120.	18.	
Ethylbenzene	ND	35.	38.	109.	17.	
Xylenes (Total)	ND	260.	290.	112.	19.	
Total Petroleum Hydrocarbons (Gasoline)	ND	2000.	2400.	120.	18.	

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 10/04/94 by KR using EPA 5030

10/10/94
GC9/K9N27746
KHR/khrgcc(dw)
CK4638-3

RECEIVED
OCT 12 1994
By

CHEVRON USA, Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

Project Name alvarado / comanche
Project I.D. No. 93.390
Consultant Name WAYNE PERRY CONSTRUCTION, INC.
Address 8281 COMMONWEALTH, BUENA PARK, CA
Project Contact (Name) TRUEDI
(Phone) 714/826-0352
Chevron Facility No. 9-3521
Chevron Contact (Name) Mike Bauer
(Phone)

Laboratory Name Pace
Contact Number
Collected By (Name) Thomas Velazque
(Signature) Thomas Velazquez
Collection Date 9-22-94

CHAIN-OF-CUSTODY RECORD

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		~~MODIFIED EPA 8015 TOTAL PETRO HYDROCARB.~~ TPH-GAS	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	~~EPA 8020 AROMATIC VOLATILES-BTXE~~ BTEX/MTBE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
mw-1		2		x			9-22-94	11:26	x	x		x		x							CK4638-1
mw-2		2		x				11:31	x	x		x		x							-2
mw-5		2		x				11:34	x	x		x		x							-3
mw-4		2		x				11:40	x	x		x		x							-4
mw-3		2		x				11:47	x	x		x		x							-5
Trip Blank		2		x					x	x		x		x							-6
Duplicate		2		x					x	x		x		x							-7

RECEIVED OCT 12 1994

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Thomas Velazquez	W.P.C	9-22-94 6:05 pm.	[signature]	WPC	9-22-94 [illegible]
[signature]	WPC	9-23-94 14:00	Thomas Velazquez	PACE, HB	9-23-94 14:00
[signature]	PACE	9/26/94	[signature]		9/26/94 @ 0800

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS.
48 HRS
10 DAYS

SW FORM E-1-89

Chevron

Chevron U.S.A. Products Company
Marketing Department
1300 South Beach Boulevard
Building 4516
La Habra, California
P.O. Box 2833
La Habra, CA 90632-2833
Phone 310 694 7300

November 4, 1994

Mr. Michael Porter
County of San Diego-EHS/SAM
P.O. Box 85261
San Diego, CA 92138-5261

Groundwater Monitoring Report

SA/M# T01722/H12687-002
Chevron Project #93521
7651 Alvarado Rd.
La Mesa, CA 91941

Dear Mr. Porter:

Enclosed is the groundwater monitoring report for the site referenced above for the third quarter of 1994. Monitoring at this site is being done on a biannual basis by Wayne Perry Construction, Inc.

Groundwater Technology, Inc. has recommended to me that we destroy wells MW-1, and MW-5. This is based on the facts that these wells have always been nondetect, the source of impact has been removed by excavation, and the contaminant levels continue to fall in MW-3. In addition, I would like to go to annual monitoring of wells MW-2 and MW-4.

If you have any questions please don't hesitate to call me at (310) 694-7698.

Sincerely,

Michael S. Bauer

Michael S. Bauer
Environmental Project Manager

cc: Ms. R. Dimenstein California Regional Water Quality Control Board
Ms. V. Radics Groundwater Technology, Inc.

ok.

ok

MGP

11-28-94

continue to monitor water levels quarterly.

Recycled
Recyclable

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121 USA
Tel: (619)453-8415

SITE ASSESSMENT REPORT
CHEVRON SERVICE STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA
CONTROL NO. H12687-002/T01722

May 27, 1994
Revised August 5, 1994
Final Submitted October 24, 1994

JDE #023404779

Prepared for:
Mr. Michael Bauer
Chevron U.S.A. Products Company
P.O. Box 2833
La Habra, CA 90632-2833

Groundwater Technology, Inc.
Written/Submitted by

James L. Molesworth
Geologist

Groundwater Technology, Inc.
Reviewed/Approved by

Vijayalakshmi Radics
Project Manager

Kyle Rheubottom, RG
Operations Manager

REGISTERED GEOLOGIST
KYLE
RHEUBOTTOM
No. 5100
STATE OF CALIFORNIA

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121 USA
Tel: (619) 453-8415

LETTER OF TRANSMITTAL

Date: October 25, 1994

To: County of San Diego/SAMD

Address: P.O. Box 85261

City: San Diego, CA 92186-5261

Attention: Michael Porter

Regarding: Chevron Service Station No. 9-3521, 7651 Alvarado Road, La Mesa

Job Number: 023404779

We are sending you:	_x_ Herewithin	__ Under separate cover
_X_ Report	__ Proposal	__ Correspondence
__ Other:		

Enclosed please find one bound "final" copy of the Site Assessment Report for Chevron Service Station No. 9-3521, 7651 Alvarado Road, La Mesa, California, dated final submittal October 24, 1994, for your files.

cc:

Very truly yours,

GROUNDWATER TECHNOLOGY, INC.

By: Vijayalakshmi Radics

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EXECUTIVE SUMMARY

Chevron U.S.A. Products Company contracted Groundwater Technology, Inc. to provide consulting services at Chevron Service Station No. 9-3521 at 7651 Alvarado Road in La Mesa, California. The objective of the work was to delineate the groundwater plume down gradient and cross gradient of the former tanks and lines.

During this phase of work, one soil boring, B1, was drilled, and two off-site monitoring wells, MW4 and MW5, were drilled and installed. The boring was drilled to 10 feet below grade, and the wells were drilled to 13.5 feet below grade and 15 feet below grade, respectively. Only limited soil sampling could be conducted due to the presence of cobbles beneath the site; soil sample analytical results indicated that no gasoline hydrocarbons or associated volatile organic compounds were present at any of the three locations.

The groundwater was gauged and sampled by Wayne Perry Construction, Inc., and the results were made available to Groundwater Technology for inclusion in this report. The data indicated that the depth to water ranged from 3.5 to 10.77 feet below grade, and that the groundwater gradient, as measured on March 25, 1994, was to the northwest at 0.03 ft/ft. The analytical results showed that the extent of the plume has been delineated in all directions.

Past work at the site included extensive excavation and sampling of the soil around the source areas, and review of the historical data indicates that dissolved hydrocarbon concentrations have consistently decreased since the source was removed. No further assessment or remediation activities are recommended at this site.

1.0 INTRODUCTION

This report summarizes the site assessment activities conducted by Groundwater Technology, Inc., for Chevron at former Chevron Service Station No. 9-3521, located at 7651 Alvarado Road in La Mesa, California (Figures 1 and 2). In particular, the report presents the results of the off-site investigation performed in December 1993.

1.1 Site Identification

Site Address:	7651 Alvarado Road, La Mesa, California
Company Name:	Chevron U.S.A. Products Company
S.S. No.:	9-3521
A.P.N.:	420-020-12
Control No.:	H12687-002/T01722
Contact:	Mr. Michael Bauer Chevron U.S.A. Products Company P. O. Box 2833 La Habra, California 90632-2833 (310) 694-7698

2.0 BACKGROUND

Work at this site began in 1991 with the removal of three gasoline tanks, one waste oil tank, and associated dispensers and piping on June 13, 1991 (Figure 2). All the tanks were single-walled steel tanks, and had been installed at the facility in 1972. Soil samples collected during the tank removal from the gasoline tank pit (Figure 3), beneath the former product lines, and beneath the middle pump island (Figure 4) contained less than 100 mg/kg total petroleum hydrocarbons as gasoline (TPH_g). However, soil samples collected from beneath the southern and northeastern pump islands contained greater than 100 mg/kg TPH_g. Ten test pits were excavated in an attempt to delineate the extent of soil containing hydrocarbons; the results indicated that overexcavation of the area would be necessary (Figure 4). Also, four out of fifteen soil samples collected from the used oil tank pit (Figure 5) contained greater than 100 milligrams per kilogram (mg/kg) of total recoverable petroleum hydrocarbons (TRPH).

Stockpiled soil from the removal of the gasoline tanks was characterized and was found to have benzene and TPH_g concentrations below regulatory thresholds. The soil was backfilled in the original excavation upon approval from the Hazardous Materials Management Division (now Site Assessment and Mitigation Division - SAM). The results of this phase of work were discussed in the Groundwater Technology November 1991 *Tank Removal Report.*

In April 1992, additional excavation was conducted in the areas with hydrocarbon concentrations above 100 mg/kg - the waste oil tank, and the former southern and northeastern pump islands. Approximately 100 additional cubic yards of soil was removed from the waste oil tank area (Figure 6), 100 additional cubic yards was removed and from the southern pump island area (Figure 7), and 2,100 cubic yards of soil was over-excavated from the northeastern pump island area (Figure 8). Confirmation samples were collected from the over-excavated areas to verify that the soil left in place had hydrocarbon concentrations less than 100 mg/kg (Groundwater Technology, June 1992).

During the 1992 investigation, three borings were drilled and groundwater monitoring wells were installed on the site to evaluate hydrocarbon concentrations in the groundwater (Figure 9). Well MW1 has consistently had no detectable hydrocarbons; well MW2 has had no detectable hydrocarbons since October 1993; and well MW3, which was installed down gradient of the former pump islands, has shown decreasing hydrocarbon concentrations from 21,000 μg/L in April 1992 to 4,300 μg/L in March 1994. The decreasing hydrocarbon concentrations may be attributed to the removal of the source in April 1992; this is confirmed by the decrease in concentrations seen in both wells MW2 and MW3 in the sampling episode following the overexcavation (Appendix 1).

The site is currently an asphalt-paved lot occupied by a recreational vehicle sales business. Commercial properties are located to the north, south and west of the site, and on- and off-ramps for Interstate 8 are located to the east.

3.0 SITE GEOLOGY AND HYDROLOGY

The lithology at the site consists of fill, quaternary alluvium and slope wash to about 8 feet below grade, underlain by the Stadium Conglomerate Formation (Kennedy, Michael P., 1975).

In 1992, Mr. Michael Porter of the County SAM requested that geologic mapping of selected walls of the gasoline tank pit excavation be conducted. The results of this mapping were presented in the Groundwater Technology *Comprehensive Site Assessment Report* dated June 12, 1992. As seen on the excavation walls, the lithology at the site consisted of an approximately 5-foot thick layer of fill material consisting of clayey sand with traces of asphalt, concrete and wood debris. The fill material was underlain by a 1- to 3-foot-thick layer of silty sand, which in turn was underlain by the Stadium Conglomerate. An approximately 1-foot-thick layer of sand was observed between the fill material and silty sand along the northern side of the excavation, and laterally discontinuous lenses of gravel and sandy silt were mapped within the silty sand layer. These lenses were observed to be laterally discontinuous with a maximum length of 4 to 6 feet (Figures 10, 11A, and 11B).

During the off-site drilling conducted in December 1993, the Stadium conglomerate, or alluvium derived from the Stadium conglomerate, was encountered directly under the asphalt pavement.

The site is located along the south side of an east-west trending valley. A stream bed runs down the valley approximately 100 feet to the northeast of the site. The site topography slopes from south to north with a decrease in elevation of approximately 12 feet across the site.

Groundwater was observed seeping from the gravel lenses during the 1992 excavation activities. Other areas varied from dry to damp. The groundwater elevation recorded in well MW1 was equal to the elevation of the gravel lens mapped along the southern wall of the excavation. Groundwater was interpreted to occur in the silty sand layer above the Stadium Conglomerate; the permeability of facies in this zone is interpreted to vary, and to be greater within the discontinuous gravel lenses. The depth to groundwater ranges from approximately 6 feet below grade in well MW1 to approximately 11 feet below grade in well MW3.

The site lies in the Cholla hydrologic sub unit (HSA 8.22) which is adjacent to the Mission San Diego Hydrologic Subunit (HSA 7.11). Groundwater in the 8.22 subunit is listed as non-beneficial use as designated by the Regional Water Quality Control Board (RWQCB; December 17, 1990). The 7.11 subunit is listed as having beneficial uses.

4.0 FIELD ACTIVITIES

In December 1993, additional drilling was conducted to evaluate the extent of the dissolved hydrocarbon plume down gradient and cross-gradient of the former tanks and lines. Three off-site groundwater monitoring wells were proposed to be drilled to 15 feet below grade, with screened intervals from 5 to 15 feet. The results of this off-site investigation and subsequent groundwater monitoring are discussed in the following sections.

4.1 Permitting

A permit for the installation of three groundwater monitoring wells was obtained from SAM prior to drilling. Also, encroachment permits were obtained from the City of La Mesa for the two off-site wells located in the parking lane of Alvarado Road. Copies of the well permit and encroachment permit are included in Appendix 2. A work plan describing the field activities was submitted to and approved by SAM.

4.2 Health and Safety Plan

A copy of the site safety plan (SSP) was kept on site during field activities. All Groundwater Technology field personnel and subcontractors involved with the drilling and well installation were required to read and sign the SSP. A copy of the plan is on file in Groundwater Technology's San Diego office.

4.3 Drilling, Soil Sampling, and Well Installation

On December 28, 1993, soil borings MW4, MW5 and B1 were drilled by A & R Drilling Co. using a Mobile B61 HDX hollow-stem auger drill rig. Materials encountered while drilling underneath asphalt included sandy gravel with pebbles and cobbles; the less dense fill material that had been seen during previous on-site investigations was not encountered in the off-site borings. Refusal was met at 10 feet and 13.5 feet below grade in borings B1 and MW4, respectively. The drill logs are presented in Appendix 3.

Soil sample collection was attempted in each boring at 5-foot intervals using a split-spoon sampler; however, due to the presence of cobbles in the Stadium Conglomerate, only a limited number of

samples were obtained. One brass-sleeve from each sample location was screened in the field for hydrocarbons using a photoionization detector (PID); a second sleeve was packaged in accordance with the protocol in Appendix 4 for laboratory analysis.

Four soil samples were sent to Geotest Laboratories in Long Beach, California, under chain of custody. The samples were analyzed for TPH_g and benzene, toluene, ethylbenzene, and xylenes (BTEX) using modified EPA Methods 8015 and 8020. If any samples contained TPH_g, then the sample with the highest concentration was to be analyzed for organic lead by the DHS Method.

During drilling, groundwater was encountered at about 9 feet below grade in MW4, but saturated sediment was not encountered in well MW5. However, past work at this site had indicated that groundwater recharge was slow; therefore, monitoring wells consisting of 4-inch Schedule 40 PVC were installed in borings MW4 and MW5, with screened casing from 4 to 12 feet and 4 to 14 feet, respectively. The wells were developed using a surge block prior to setting the bentonite seal. Well construction diagrams are included in the drilling logs in Appendix 3.

4.4 Well survey

The newly installed wells were surveyed on January 7, 1994, by Land Technology, Inc., and the survey information was used to update the site plan. The wells were surveyed relative to an arbitrary elevation of 100 feet using the fire hydrant adjacent to the site as a bench mark.

4.5 Groundwater Sampling

Groundwater was sampled during the first quarter by Chevron's sampling consultants, Wayne Perry Construction, Inc.

5.0 ANALYTICAL RESULTS

5.1 Soil Sample Analytical Results

The soil sample analytical results from this phase of drilling are summarized in Table 1 and Figure 12, and a copy of the laboratory report is in Appendix 4.

No TPH_g or BTEX concentrations were detected above the detection limits of 10 mg/kg and 0.005 mg/kg, respectively, in any of the four samples analyzed. Organic lead was not analyzed since TPH_g and BTEX were not detected.

5.2 Groundwater Sample Analytical Results

The groundwater sample analytical results were presented by Wayne Perry Construction Inc. in their report dated March 31, 1994 (tables included in Appendix 1). A groundwater gradient map and hydrocarbon distribution map were prepared using their data (Figures 13 and 14). As shown on the figures, no petroleum hydrocarbons, including benzene and methyl-tertiary-butyl ether, were detected in the two newly installed off-site wells MW4 and MW5. As in past quarters, no hydrocarbons were detected in well MW1 or MW2. Hydrocarbon concentrations in well MW3 continued to decrease, with no toluene detected for the first time, and with the lowest benzene concentration (10 μg/L) detected since the well was installed.

6.0 SUMMARY AND CONCLUSIONS

- A release was first detected at former Chevron Service Station No. 9-3521 in 1991, when the station was demolished and the tanks and associated dispensing system were removed. Gasoline hydrocarbons were found in the soil beneath two pump islands, and TRPH were found in the soil beneath the former waste oil tank.
- The site is in a non-beneficial use water basin; however, due to its proximity to a beneficial use basin, Chevron applied action levels of 100 mg/kg TPH/TRPH to delineate the extent of hydrocarbons in soil.
- The extent of hydrocarbons in the soil was delineated through extensive excavation and sampling, and approximately 2,300 cubic yards of soil was removed. Samples collected from the base and sidewalls of the excavation confirmed that soil left in place had hydrocarbon concentrations below 100 mg/kg.
- Mapping indicated that groundwater occurs in a silty sand aquifer overlying the Stadium Conglomerate. With the exception of discontinuous gravel lenses, the permeability of the aquifer is interpreted to be low.
- Monitoring of three groundwater wells installed in 1992 has indicated that dissolved hydrocarbon concentrations have decreased since the source (soil containing hydrocarbons) was removed by excavation. No dissolved hydrocarbons are present in wells MW1 and MW2, and data from MW3 show a continuing trend of decreasing concentrations.
- Off-site groundwater monitoring wells MW4 and MW5 were drilled and installed to the east and north of the former service station in December 1993 to delineate the extent of the dissolved plume. A monitoring well was not installed in boring B1 because of drill refusal at 10 feet.

- Soil samples from all three borings did not contain TPH_g or BTEX at the reported detection limits.

- Groundwater data collected by Wayne Perry during the first quarter of 1994 indicate that the dissolved plume has been delineated, and that the extent of hydrocarbon contamination in the groundwater is limited to the area immediately down-gradient of the former tanks and lines. Hydrocarbon concentrations in this one well continue to decrease over time.

- Based on these factors, we recommend no further assessment or remedial action at this site. We also recommend that wells MW1, MW2, MW4, and MW5 be destroyed to prevent potential contamination from surface runoff.

7.0 REFERENCES

Groundwater Technology, Inc., November 8, 1991; Tank removal report, Chevron service station no. 9-3521, unpublished report.

Groundwater Technology, Inc., June 12, 1992; Comprehensive site assessment, former Chevron service station no. 9-3521, unpublished report.

Kennedy, Michael, P., 1975; Geology of the San Diego metropolitan area, California. California Division of Mines and Geology, Bull. 200.

Regional Water Quality Control Board, December 17, 1990, Comprehensive water quality control plan, San Diego Basin, 1975. Regional Water Quality Control Board, Resolution No. 90-55, Amendments to the Comprehensive Water Quality Control Plan for the San Diego Region.

Wayne Perry Construction Inc., March 31, 1994; Quarterly monitoring report, January 1 through March 31, 1994, former Chevron service station no. 9-3521, unpublished report.


SITE
LA MESA
Murray Reservoir
NORMAL POOL ELEV 559
Golf Course
Golf Course
Picnic Area
Picnic Area
Sunset Park
Jackson Park
San Carlos Park
Mt. Helix
Hosp
Stevenson Hosp
Hosp
Hosp
Pershing Jr High Sch
Forward Sch
Weinberger Sch
Murray Manor Sch
Marshall Sch
Muir Sch
Rolando Sch
Rolando Park
Rolando Park
Lutheran Sch
La Mesa Sch
La Presa Elem Sch
St Martins Academy
Trailer Park
Filtration Plant
Intake
Ivarado
Canyon
Valley
JACKSON
PARK
LAKE MURRAY
LAKE
SAN CARLOS
TOPAZ
LAKE
LAKE
LAKE

TABLE 1 SOIL ANALYTICAL RESULTS, CHEVRON SS# 9-3521, SAMPLED 12/28/93

Sample ID	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH_g
MW4-5	<0.005	<0.005	<0.005	<0.015	<10
MW5-5	<0.005	<0.005	<0.005	<0.015	<10
MW5-10	<0.005	<0.005	<0.005	<0.015	<10
B1-5	<0.005	<0.005	<0.005	<0.015	<10

Notes:
1) Samples analyzed using modified EPA Methods 8015, 8020
2) Results are reported in mg/kg
3) TPH_g = Total petroleum hydrocarbons as gasoline
4) <# = Analyte not detected at or above reported detection limit

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 1. WATER ANALYSES AND GAUGING RESULTS FOR FORMER
CHEVRON STATION # 9-3521 SAMPLED ON MARCH 25, 1994

WELL	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	TOTAL HYDRO-CARBONS GASOLINE	MTBE	DEPTH TO WATER	HYDRO-CARBON THICKNESS	GROUND-WATER ELEVATION	TOP OF CASING	DEPTH OF WELL	COMMENTS
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(feet)	(feet)	(feet)	(feet)	(feet)	
ND=	<0.3	<0.3	<0.3	<0.6	<500	<0.5						
MW-1	ND	ND	ND	ND	ND	ND	6.24	0.000	89.58	95.82	14.76	
MW-2	ND	ND	ND	ND	ND	ND	7.46	0.000	86.40	93.86	14.26	
MW-3	10	ND	58	12	4300	ND	10.77	0.000	86.42	97.19	13.38	
MW-4	ND	ND	ND	ND	ND	ND	8.83	0.000	84.34	93.17	10.69	
MW-5	ND	ND	ND	ND	ND	ND	3.50	0.000	88.55	92.05	14.20	

From Wayne Perry Construction Inc., March 31, 1994, Quarterly Monitoring Report

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	MTBE (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	COMMENTS
04/08/92	MW-1	ND	ND	ND	ND	ND		6.46	0.000	89.36	95.82		
09/10/92	MW-1	ND	ND	ND	ND	ND		6.16	0.000	89.66	95.82		
12/01/92	MW-1	ND	ND	ND	ND	ND		6.28	0.000	89.54	95.82		
10/04/93	MW-1	ND	ND	ND	ND	ND		6.27	0.000	89.55	95.82	14.74	
11/23/93	MW-1	ND	ND	ND	ND	ND		6.36	0.000	89.46	95.82	14.71	
03/25/94	MW-1	ND	ND	ND	ND	ND	ND	6.24	0.000	89.58	95.82	14.76	
04/08/92	MW-2	48	13	4.6	17	800		10.61	0.000	83.25	93.86		
09/10/92	MW-2	2	4	ND	ND	ND		7.36	0.000	86.50	93.86		
12/01/92	MW-2	0.6	0.4	ND	0.7	ND		7.22	0.000	86.64	93.86		
10/04/93	MW-2	ND	ND	ND	ND	ND		7.43	0.000	86.43	93.86	14.18	
11/23/93	MW-2	ND	ND	ND	ND	ND		7.45	0.000	86.41	93.86	14.18	
03/25/94	MW-2	ND	ND	ND	ND	ND	ND	7.46	0.000	86.40	93.86	14.26	
04/08/92	MW-3	28	5.1	320	640	21000		11.22	0.000	85.97	97.19		
09/10/92	MW-3	20	22	100	27	8400		10.74	0.000	86.45	97.19		
12/01/92	MW-3	32	2.7	120	29	11000		10.76	0.000	86.43	97.19		
10/04/93	MW-3	15	1	40	9	4800		10.85	0.000	86.34	97.19	13.36	
11/23/93	MW-3	14	0.9	78	19	5500		10.94	0.000	86.25	97.19	13.34	
03/25/94	MW-3	10	ND	58	12	4300	ND	10.77	0.000	86.42	97.19	13.38	
03/25/94	MW-4	ND	ND	ND	ND	ND	ND	8.83	0.000	84.34	93.17	10.69	
03/25/94	MW-5	ND	ND	ND	ND	ND	ND	3.50	0.000	88.55	92.05	14.20	

From Wayne Perry Construction Inc., March 31, 1994, Quarterly Monitoring Report

PERMIT # W93952

A.P.N. # 420-020-12

EST # H12687

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

HAZARDOUS MATERIALS MANAGEMENT DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: CHEVRON ALVARADO

SITE ADDRESS: 7651 ALVARADO ROAD, LA MESA, CA 92040

PERMIT FOR: 3 GROUND WATER MONITORING WELLS

PERMIT APPROVAL DATE: 12/22/93

PERMIT EXPIRES ON: 4/20/94

PERMIT CONDITIONS:

1. The wells shall be constructed with the well screen extending no deeper than 5 feet in the saturated zone.

2. All borings must be destroyed in accordance with Department of Water Resources Bulletin 74-81 and 74-90.

3. All wash water must be contained and disposed of properly.

4. Submit complete laboratory data for both soil and groundwater with the well logs.

5. Submit all the information specified in the SA/M Manual in:

   Section 1, C., 4., c).

6. All water and soil that is placed in drums must be labeled and stored as specified in the SA/M Manual in:

   Section 1, C., 5.

7. This office must be given 48 hour notice of any drilling activity on this site. Please contact Edward Sanko at (619)338-2339.

8. This office must be given advanced notification of drilling cancellation. Please contact Edward Sanko at (619)338-2339.

NOTE: This permit does not constitute approval of a workplan as defined in Section 2722 of Article 11 of C.C.R. Title 23. Workplans are required for all unauthorized release investigations in San Diego County.

APPROVED BY: Mary Peters DATE: 12/22/93

Notified: _____

PERMIT APPLICATION FOR GROUND WATER AND VADOSE MONITORING WELLS

ASSESSORS PARCEL NO.	PROPOSED DRILLING DATE	NO. OF WELLS TO CONSTRUCT/DESTROY
420-020-12	Dec. 1993	three

SITE NAME: Chv. Alvarado

SITE ADDRESS	STREET	CITY	ZIP
7651 Alvarado Road		La Mesa, CA.	92040

PROPERTY OWNER (NAME)	PHONE NO.
Chevron U.S.A. Products Company	(310) 694-7969

MAILING ADDRESS	STREET	CITY	ZIP
P.O. Box 2833		La Habra, CA.	90632-2833

DRILLER (NAME)	LICENSE NO.	PHONE NO.
A & R Drilling, Inc.	C57 # 492082	(310) 768-1638

MAILING ADDRESS	STREET	CITY	ZIP
16659 S. Gramercy Place		Gardena	90247

REGISTERED GEOLOGIST/ENGINEERING GEOLOGIST/CIVIL ENGINEER (RG/CEG/RCE)	REG #	PHONE NO.
Kyle Rheubottom	RG 5100	(619) 453-8415

MAILING ADDRESS	STREET	CITY	ZIP
9940 Mesa Rim Rd. Suite B		San Diego, CA	92121

BOND POSTED BY DRILLER: [X] YES [ ] NO

TYPE OF WELL: [X] GROUND WATER [ ] BORING [ ] VADOSE [ ] OTHER

DRILLING METHOD: [X] AUGER [ ] AIR ROTARY [ ] MUD ROTARY [ ] PERCUSSION [ ] OTHER

MATERIALS TO BE USED

CASING
- TYPE: PVC
- GAUGE: Sch. 80
- DIAMETER: 4"
- WELL SCREEN SIZE: 0.020"
- FILTER PACK Specify: #3 Sand

SEAL
- [ ] NEAT CEMENT
- [X] CEMENT & BENTONITE
- [ ] OTHER

PROPOSED CONSTRUCTION

Estimated ground water depth _____ ft

CEMENT SEAL	0	TO	2'
BENTONITE SEAL	2'	TO	4'
FILTER PACK	4'	TO	16'
PERFORATION	5'	TO	15'

NOTE: For wells with multiple completion attach a well construction diagram

I hereby agree to comply with all regulations of Department of Health Services and with all ordinances and laws of the County of San Diego and the State of California pertaining to well construction and destruction.

[signature]
DRILLER SIGNATURE DATE

Within 30 days of well completion, I will furnish the Department of Health Services with a complete and accurate well log. I will certify the design and construction of the well in accordance with the permit application.

[signature] RG#5100 11-23-93
RG/CEG/RCE SIGNATURE DATE

DISPOSITION OF APPLICATION [✓] APPROVED [ ] DENIED

CONDITIONS: Refer to attached conditions

[signature] 12/22/93
HEALTH OFFICER DATE

OFFICE USE ONLY

NUMBER OF WELLS TO BE CONSTRUCTED: 3 X $150.00 = $ 450 AMOUNT DUE ESTABLISHMENT # [illegible]

CHECK NO. 7 DATE 11/23/93 PROCESSED BY [illegible] PERMIT [illegible]

COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SERVICES
DHS:HM-9060 (11/92)

HAZARDOUS MATERIALS MANAGEMENT DIVISION
P.O. BOX 85261
SAN DIEGO, CA. 92186-5261 (619) 338-2222

PERMIT APPLICATION SUPPLEMENT
GROUND WATER AND VADOSE MONITORING WELLS

1. Well design, logging and construction must be supervised by a Geologist, Engineering Geologist or Civil Engineer who is registered or certified by the State of California.

2. Provide verification of a well Drilling C-57 license.

3. Provide a plot plan giving location of existing improvements such as structures, underground tanks, underground utilities, underground piping, and the proposed monitoring and/or observation wells.

4. What is the proposed purpose of the well? Investigate the possible pressence of hydrocarbons in the soil/groundwater.

5. What procedures will be used to prevent the well from providing an avenue to contamination during construction?

The well will be constructed by placing the casing through the hollow-stem auger during construction.

What field procedures will be utilized to determine if contamination exists?

Soil samples will be field-screened using a photoionization detector.

What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

Field screening of the soil samples using photoionization detector.

What constituents will be monitored and tested?

Total screening of the soil samples using photoionization detector.

Subsequent samples will be tested for BTEX and TPH as per SA/M Manual.

9. How will samples be transported and preserved? The samples will be placed on ice in an ice chest and transported with a chain of custody.

10. What sampling methods will be used?

HSA/Split spoon sampler.

11. Are you proposing a variation from the methods and/or procedures presented in the requirements for the construction of Vadose and Ground Water Monitoring Wells (dated January 1992). If yes, specify these variations.

No.

12. What procedures will be used to ensure no contamination will be introduced by the drilling equipment?

The augers will be steam-cleaned prior to initiating drilling.

13. What methods will be used to clean sampling equipment? The sample rings will be washed with a degreaser and watermix, rinsed in tap water, and rinsed in distilled water.

14. What cleaning method will be used to clean casing and screen prior to installation?

Only new, factory-sealed casing will be used for the wells.



SOURCE: THOMAS BROS., SAN DIEGO, CA. 1990

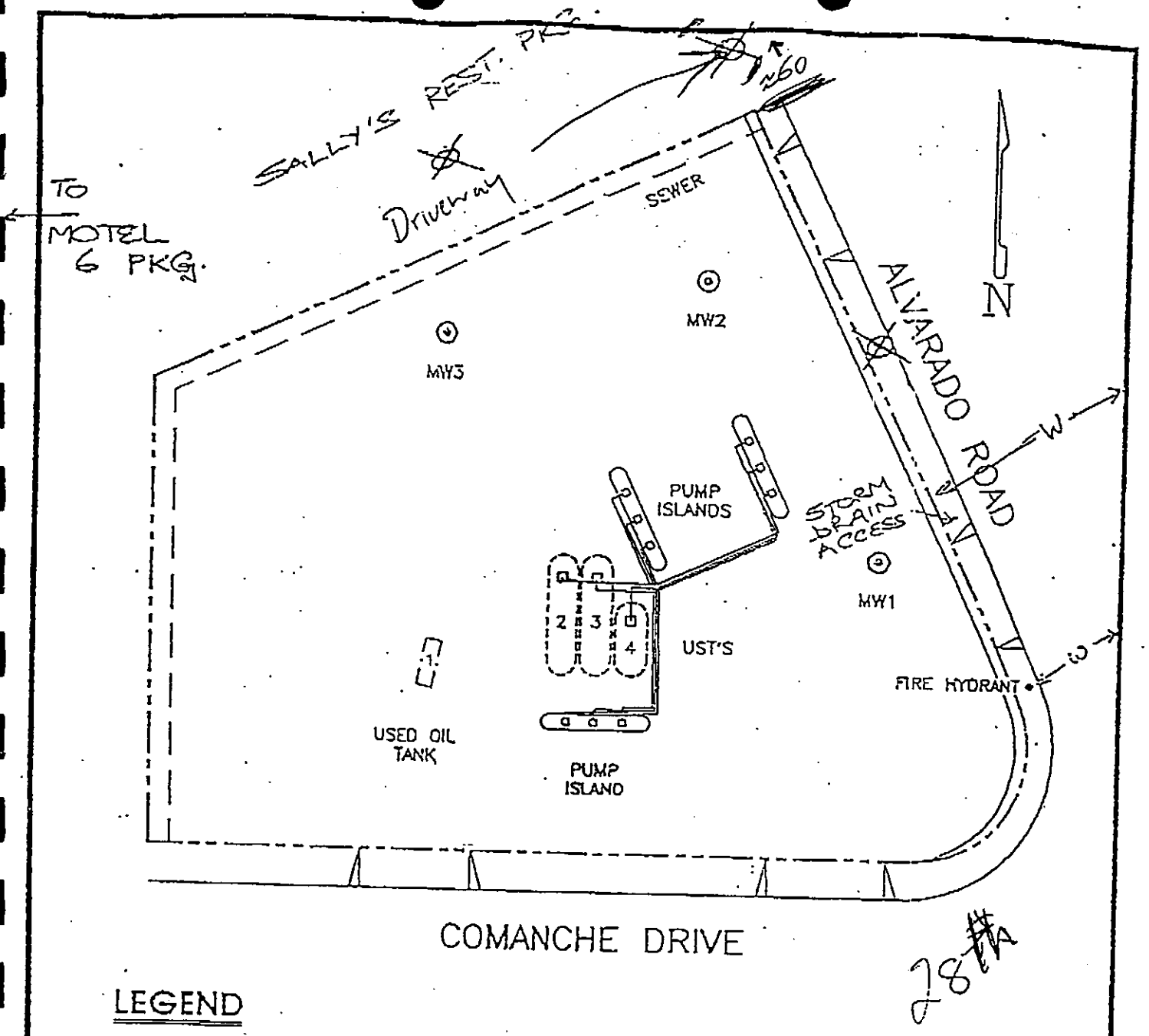
N

0 1/2 1
MILE

GROUNDWATER TECHNOLOGY, INC.

CHEVRON/ALVARADO

SITE LOCATION MAP
FIGURE 1



78 #A

LEGEND

⊙ MONITORING WELL

⊗ PROPOSED WELLS.

←W→ UTILITIES MARKED ON PAVEMENT.

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL BUILDING, UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
3. FIRE HYDRANT = BENCHMARK – RELATIVE ELEVATION 100.00'.
4. HANDWRITTEN MARKINGS NOT TO SCALE.

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525–AS1

DRAFTED 06/01/92

SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO ROAD

LA MESA, CA

023402346

PROPOSED WELLS

FIGURE 2

RECEIVED
DEC 14 1993

ENCROACHMENT PERMIT AGREEMENT AUTHORIZING WORK

Pursuant to Chapter 18.16 of the Municipal Code of the City of La Mesa, permission is hereby granted to GROUND WATER TECHNOLOGY to do work within the public street right of way of the City of La Mesa.

Whereas the permittee has requested the permission of the City of La Mesa to encroach on the following-described real property in the City of La Mesa TO INSTALL & MAINTAIN TWO MONITORING WELLS AS PER ATTACHED SPECS.

Fronting County Assessor Parcel No. _____ AKA 7651 ALVARADO ROAD

Whereas, the existing street improvements on (St.) COMMANCHE/ALVARADO

Consist of: Full Improvements X
~~Partial Improvements~~ ____

Now, therefore, in consideration of their mutual promises, and other good and valuable consideration, the parties hereto agree as follows:

Permission is hereby given by the City to permittee to install the above-mentioned encroachment on the real property of the City of La Mesa described above in accordance with the following conditions:

1. Said installation shall in no way interfere with any existing utility. Any changes of any utility due to the installation shall be at the sole expense of the permittee.

2. Maintenance, removal or relocation of the above-mentioned installation shall be the sole responsibility of the permittee, lessee, or the representative of the owner of lessee, or his successor in interest, at no expense to the City of La Mesa.

3. Said installation shall conform to the standards of the City of La Mesa and shall conform with the regulations of the Engineering Department.

4. The City will not be responsible for any damage to existing improvements during maintenance of the existing storm drain in the easement.

5. The City will not assume liability or responsibility for existing structures built in the easement.

1720C

1720C:Eng. Form
ev. 6/10/91
4538415

ENCROACHMENT PERMIT AGREEMENT AUTHORIZING WORK Continued

This permit is revocable in accordance with Chapter 18.16 of the Municipal Code of said City of La Mesa upon 30 days notice to the permittee, or his successor in interest, and upon such notice the encroachment must be removed, or relocated, as may be specified by the permittor at permittee's expense at the said time.

Permittee hereby agrees to, and shall hold the City of La Mesa, its elective and appointive boards, officers, agents and employees, harmless from any liability for damagae or claims for damage for personal injury, including death, as well as from claims for property damage which may arise from permittee, or any of sub-contractors' operations under this permit, whether such operations be by permittee, or by any sub-contractor, or sub-contractors, or by any one or more persons directly or indirectly employed by, or acting as agent for permittee, or any subcontractor or subcontractors. Permittee agrees to, and shall defend the City of La Mesa and its elective and appointeve boards, officers, agents and employees, from any suits or actions at law, or inequity for damages caused, or alleged to have been caused, by reason of the aforesaid operations.

The undersigned permittee hereby accepts the foregoing encroachment permit upon the terms above set forth and agrees to all of the conditins and covenants on its part to be performed. It is understood and agreed that, in addition to the above conditions, all applicable conditions of Chapter 18.16 of the Municipal Code are incorporated herein by reference as if set out in full. It is further agreed that if any part of this interferes with the future use of the street right of way by the general public, it must be removed, or relocated, as designated by the City, at th expense of the permittee, or his successor in interest.

CITY MANAGER OF
THE CITY OF LA MESA

Signed Peter J. Cwalina By Don Palmer

Date 11/24/93 Date 12-10-93

Permit No. 325-93

Sheet _____ of _____ Receipt No. 119028 & 119029

4538415

WHEN RECORDED MAIL TO:

N/A

Space Above This Line For Recorder's Use

APPLICATION FOR ENCROACHMENT PERMIT
(General)

_____hereby requests permission to place or othewise work in the following streets or other public places: (Give street address or legal description sufficient to locate)

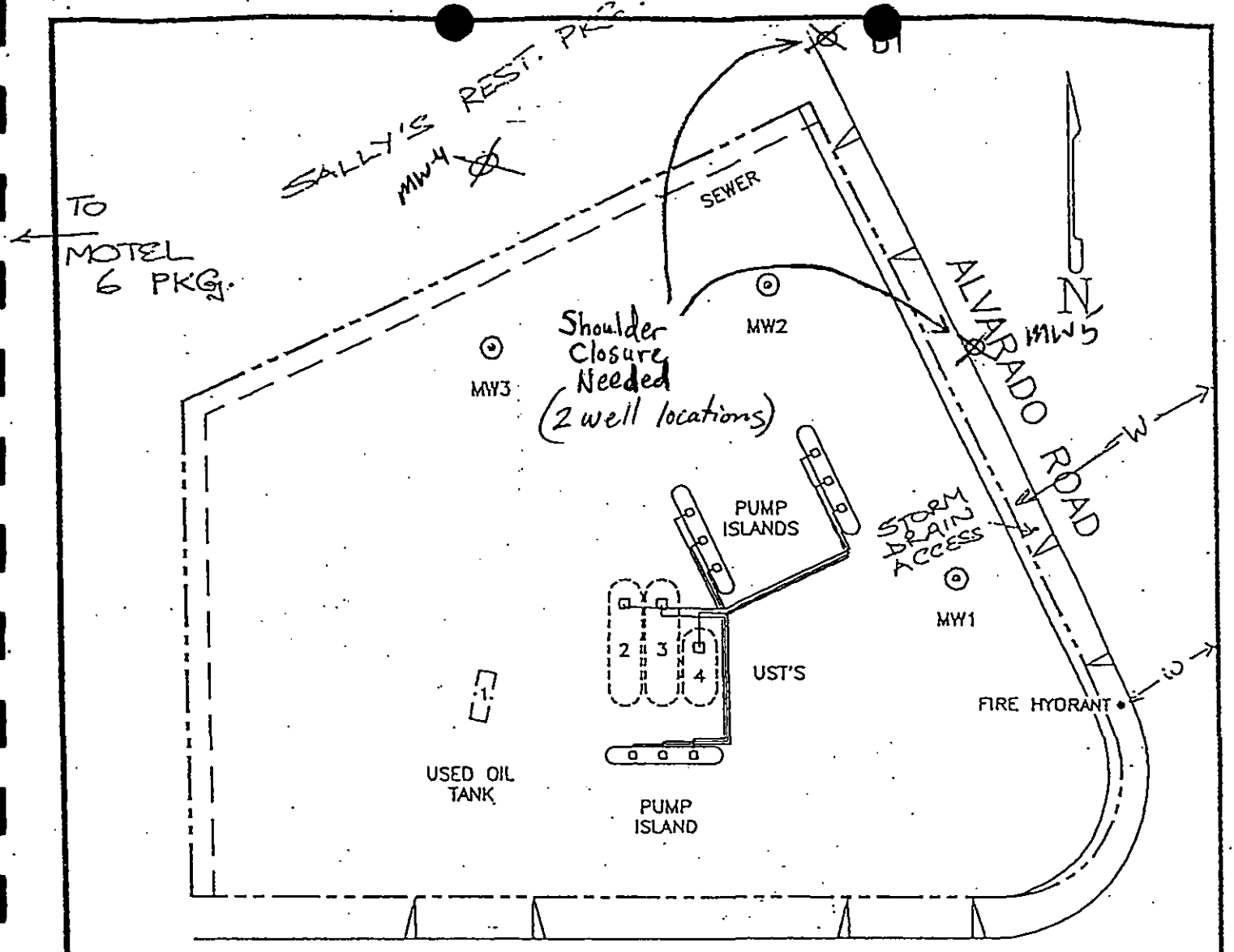
for the purpose of (describe and make sketch)

In consideration of the granting of this application, it is agreed by the applicant that the City of La Mesa and any officer or employee thereof shall be saved harmless by the applicant from any liability or responsibility for any accident, loss or damage to persons or property happening or occurring as the approximate result of any of the work undertaken under the terms of this application and the permit or permits which may be granted in response thereto and that all of said liabilities are hereby assumed by the applicant. It is further agreed that if any part of this installation interferes with the future use of the highway by the general public, it must be removed or relocated as designated by the City Engineer at the expense of the permittee or his successor in interest.

Proposed Permit Starting Date: 12/6/93

Proposed Permit Expiration Date: _____

Peter J. Cwiklen
Applicant



LEGEND

⊙ MONITORING WELL

⊗ PROPOSED WELLS.

←W→ UTILITIES MARKED ON PAVEMENT.

NOTES:

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2. ALL BUILDIING, UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
3. FIRE HYDRANT = BENCHMARK – RELATIVE ELEVATION 100.00'.
4. HANDWRITTEN MARKINGS NOT TO SCALE.

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525–AS1

DRAFTED 06/01/92 REVISED 11/30/93

SS No. 9-3521

CHEVRON/LA MESA
7681 ALVARADO ROAD
LA MESA, CA
023402346

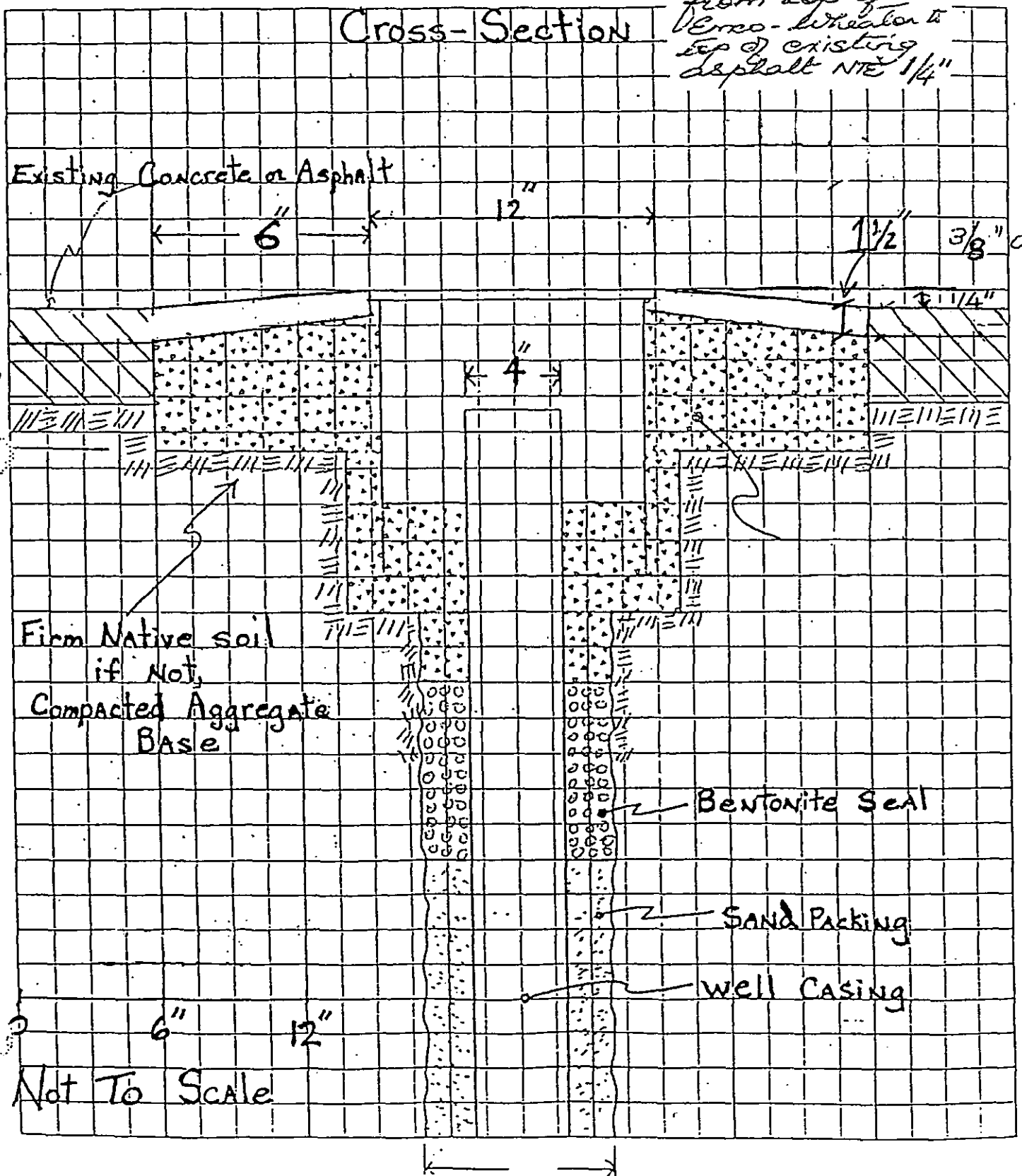
PROPOSED WELLS

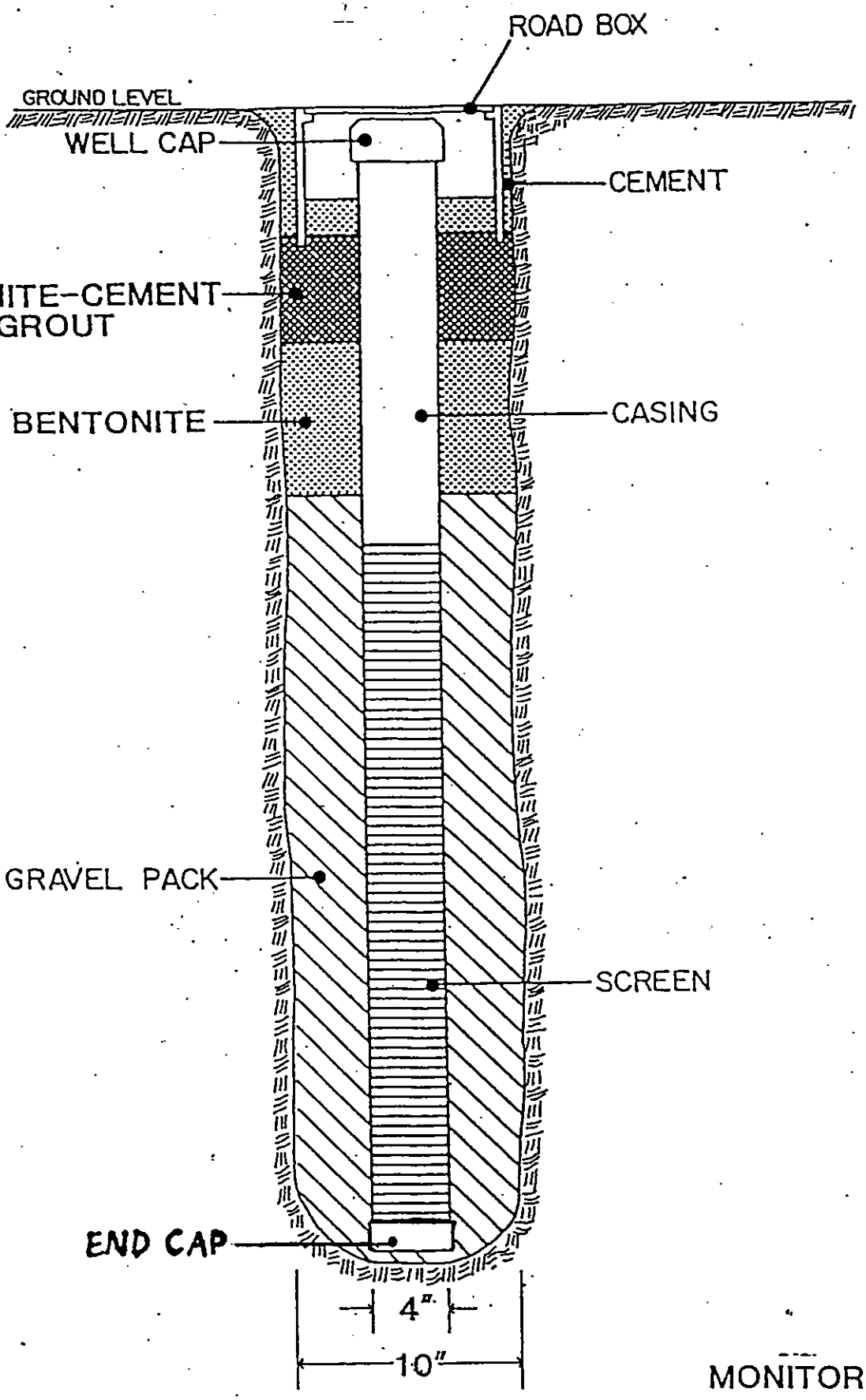
FIGURE 1

GROUNDWATER TECHNOLOGY, INC.
Engineering Services

• Quality
• Timeliness • Consistency

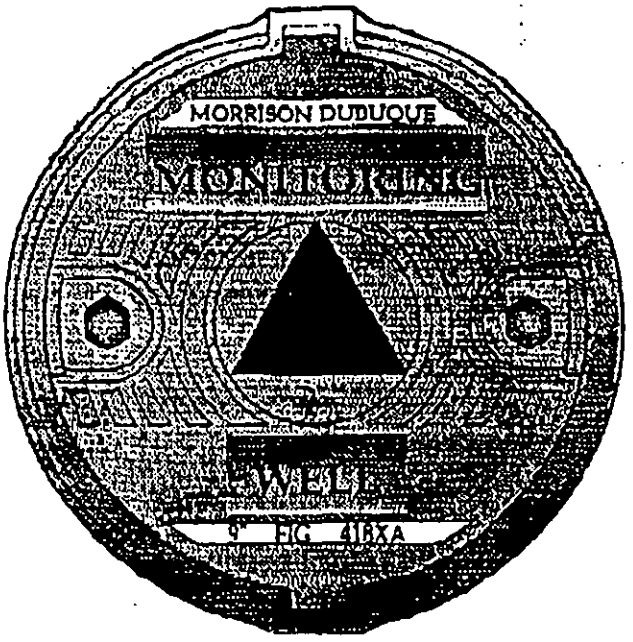
Project _____ Project Number _____
Object Typical Wellhead Installation Construction By _____ Date _____
Page 1 of 2

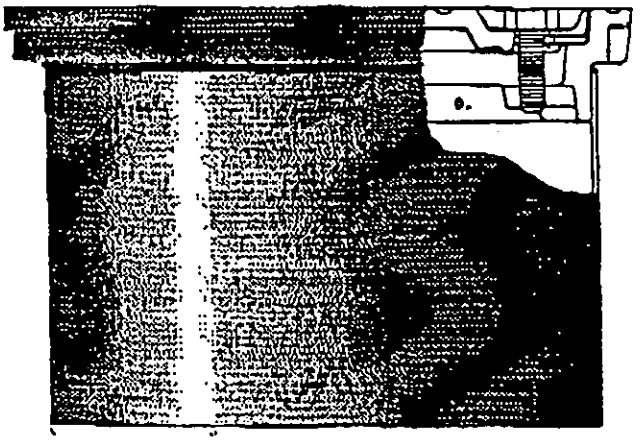




MONITORING WELL
CROSS SECTION

Morrison Manholes
Highway Specification Standards





DESCRIPTION

Manholes:

1. Fig 318 and 318XA Series (9" and 12")
2. Fig 418 XA Series (7", 9", and 12" sizes)
3. Fig 519 Series (9" and 12" sizes)

The above listed manholes have been tested by an official testing laboratory and results confirm their use and performance to meet the following:

1. Federal Specification RR-F-621E.
2. ASTM A48.
3. Section 206-3 of American Public Works Association. (Adopted by the Los Angeles County Dept of Public Works).
4. AASHTO standard for "H-20" truck loadings.

Testing was witnessed by an official from Los Angeles County of Public Works. Test results and other technical data is available from Morrison Bros Co.

MADE IN THE USA.

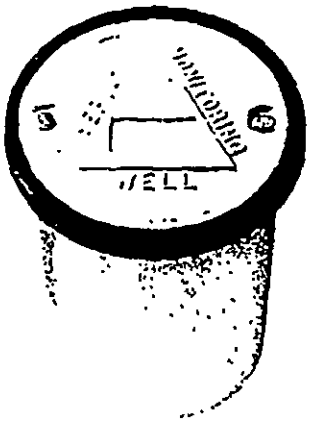
SPECIFY: MORRISON MANHOLES

Tel (800) 553-4840
Fax (319) 583-5028

MONITORING WELL MANHOLES

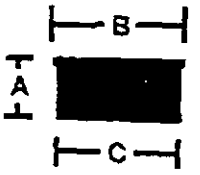
65-WC 65 65-B

65-WC *



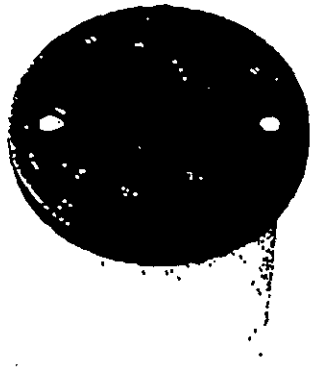
MONITORING WELL MANHOLE—Universal 65-WC is recommended for uses where limited access is required. Features a clearly marked, cast iron cover with Monitoring Well designation, in accordance with API RP 1615. The unit is complete with 2 stainless steel flush mount bolts, cast cover with galvanized steel skirt. Buna-N gasket. Meets H-20 load rating.

Model #	Size	Weight (lbs.)	A	B	C
65-8012-WC	8" x 12"	16.5	13"	9⅝"	8⅛"
65-1212-WC	12" x 12"	30.5	13⅛"	13⅜"	12⅛"



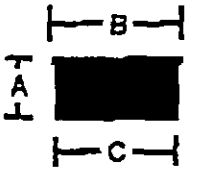
NOTE: Cover is painted white and features non-corrosive polymeric coating.

65



MONITORING WELL MANHOLE—Universal 65 is recommended for uses where limited access is required. Features a clearly marked, cast iron cover with Monitoring Well designation, in accordance with API RP 1615. The unit is complete with 2 stainless steel flush mount bolts, cast cover with galvanized steel skirt. Buna-N gasket. Meets H-20 load rating.

Model #	Size	Weight (lbs.)	A	B	C
65-8075	8" x 7½"	11.4	9¼"	8¼"	8"
65-8012	8" x 12"	16.5	13"	9⅝"	8⅛"
65-1212	12" x 12"	30.5	13⅛"	13⅜"	12⅛"



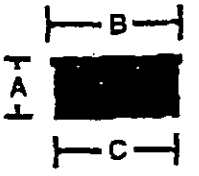
NOTE: Cover is painted black and features non-corrosive polymeric coating.

65-B



LIMITED ACCESS MANHOLE—Universal 65-B is utilized for applications where limited access is required. Features a cast iron cover. The unit is complete with 2 stainless steel flush mount bolts, cast cover with galvanized steel skirt. Buna-N gasket. Meets H-20 load rating.

Model #	Size	Weight (lbs.)	A	B	C
65-8012-B	8" x 12"	16.5	13"	9⅝"	8⅛"
65-1212-B	12" x 12"	30.5	13⅛"	13⅜"	12⅛"



NOTE: Lid has no monitoring well designation. Cover is painted black and features non-corrosive polymeric coating.

Agency: CITY OF LA MESA
Address: 8130 ALLISON AVENUE, LA MESA, CA 91941 Phone: 463-6611 Fax: 462-7528

TRAFFIC CONTROL PLAN

JOB LOCATION	BEGIN CROSS STREET	END CROSS STREET	PERMIT NO.
7651 Alvarado Road	Comanche Drive		

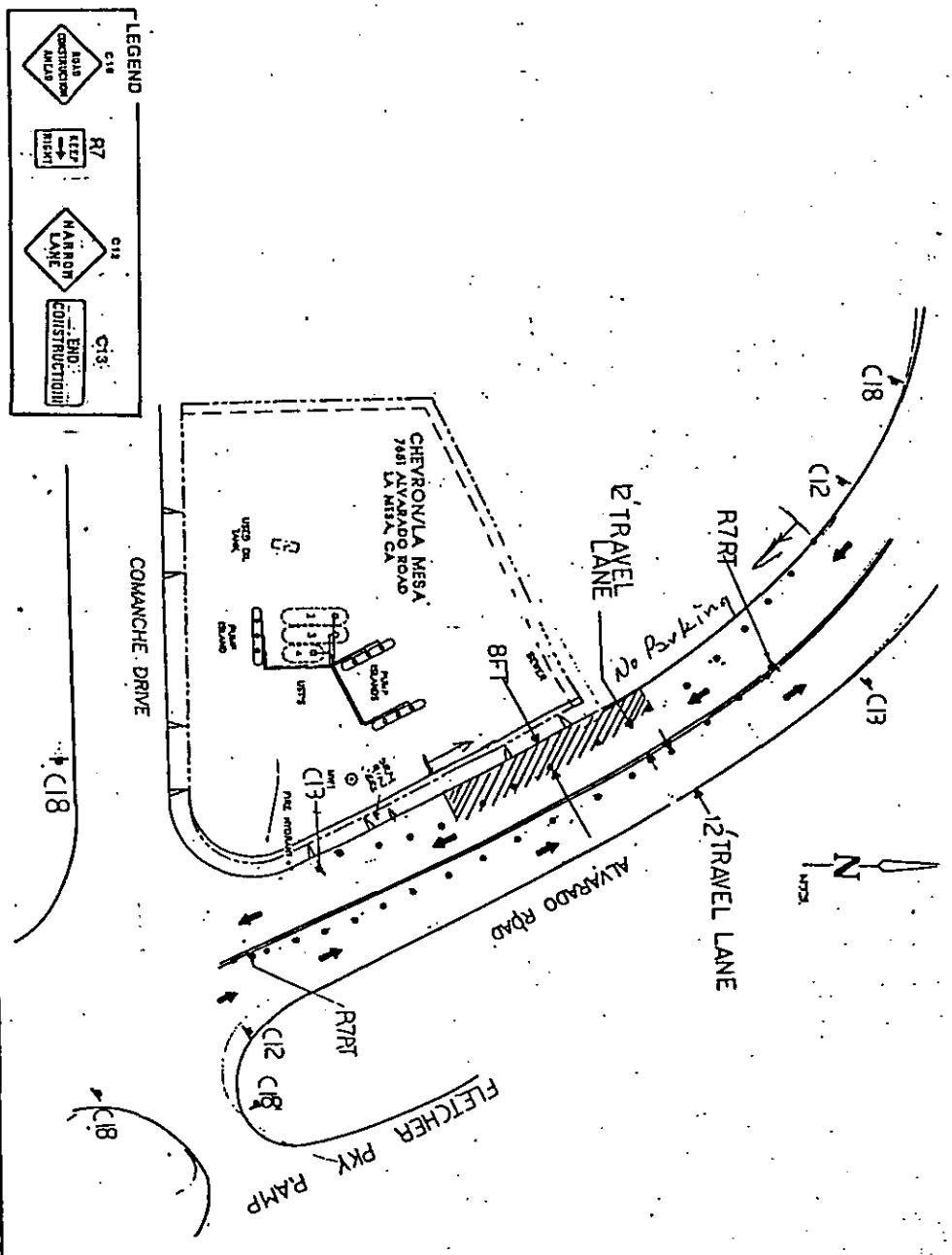
WORK HOURS	CONTINUOUS	SPEED LIMIT	WORK TO BE DONE
FROM 9:00 A.M. P.M. TO 3:30 A.M. P.M.			Install groundwater monitoring wells

START DATE	END DATE	WORK DATE EXTENSION FROM	TO NEW END DATE	WORK DATE EXTENSION FROM	TO NEW END DATE
12/8/93	12/15/93				

WORK DATE EXTENSIONS MUST BE OBTAINED PRIOR TO END DATE

CONTRACTOR	ADDRESS	CITY, STATE, ZIP	TELEPHONE
Groundwater Technology Inc.	9440 Mesa Rim Rd Suite B	San Diego CA	(619) 453-8415

PROJECT CONTACT	24 HOUR TELEPHONE	FAX NUMBER
Vijay Radics	pager # 926-5688	(619) 453-2688



NOTES:

The contractor is responsible for restoring the road back to satisfactory condition which will include, but is not limited to, paving, striping, markings, signing, and loop detection.

Trench will be backfilled or steel-plated during non-working hours.
Steel plates shall have asphalic concrete berm on all edges.
All dirt, dust, and debris shall be removed from street at end of each day and at the end of the job.
The street shall be in drivable condition at all times.

The City Traffic Engineer reserves the right to observe these traffic control plans in operation and to make any changes as field conditions warrant. Any changes shall supersede these plans and be completed at the contractor's expense.

Any work that creates an undue safety risk or creates severe congestion will be shut down by City Traffic Engineers, City Field Inspectors, or the Police Department.

Reviewed by K/Jones 11/29/93

Install No Parking 24 hours in advance, contact property regarding driveway closure prior to posting.

LEGEND ● CONE H BARRICADE P FLAGGER ⊢ SIGN ▯ FLASHING ARROW SIGN ▨ WORK AREA ⇆ TRAFFIC DIRECTION

POSTED SPEED LIMIT	APPROACH SPEED	TAPER LENGTH	SPACING OF CONES	SIGN SPACING	WIDTH/DEPTH OF TRENCH
		150'	25'	250'	

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring B1

Project Chv/9-3521 Owner Chevron U.S.A. Products Company
Location 7651 Alvarado Rd., San Diego, CA Proj. No. 023404779
Surface Elev. ____ Total Hole Depth 10 ft. Diameter 10 in.
Top of Casing ____ Water Level Initial ____ Static ____
Screen: Dia ____ Length ____ Type/Size 0.020 in.
Casing: Dia ____ Length ____ Type SCH 40 PVC
Fill Material #3 Sand Rig/Core Mobile B61 HDX
Drill Co. A & R Drilling Method Hollow Stem Auger
Driller Mark Smith Log By Jim Molesworth Date 12/28/93 Permit # W93952
Checked By Kyle Rheubottom License No. RG 5100

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	HNU (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0		B1			0.0 to 4.0 ft. Sandy GRAVEL (GW): Fine to medium, silt, sand, rounded to subrounded, very dense, light brown, dry, no odor.
2					
4					
		5		GW	5.0 ft. Sandy GRAVEL (GW): Fine to medium, silt, sand, very dense, light brown, dry, no odor. No recovery with split spoon sampler, grab sample off the augers.
6					
8					
10					Drill refusal at 10 feet, backfill with bentonite and cap with concrete.
12					
14					
16					
18					
20					
22					
24					

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well MW-4

Project Chv/9-3521 Owner Chevron U.S.A. Products Company
Location 7651 Alvarado Rd., San Diego, CA Proj. No. 023404779
Surface Elev. ____ Total Hole Depth 13.5 ft. Diameter 10 in.
Top of Casing ____ Water Level Initial 9 ft. Static ____
Screen: Dia 4 in. Length 8 ft. Type/Size 0.020 in.
Casing: Dia 4 in. Length 4 ft. Type SCH 40 PVC
Fill Material #3 Sand Rig/Core Mobile B61 HDX
Drill Co. A & R Drilling Method Hollow Stem Auger
Driller Mark Smith Log By Jim Molesworth Date 12/28/93 Permit # W93952
Checked By Kyle Rheubottom License No. RG 5100

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	HNU (ppm)	Sample ID	Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2							
0			MW4-				0.0 to 4.0 ft. Sandy GRAVEL (GW): Fine to medium, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.
2							
4							
6			5	50		GW	5.0 ft. Sandy GRAVEL (GW): Fine to medium, pebble, cobble, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.
8							
10				50			Encountered water at 9 feet. No recovery. Very dense.
12							Drill refusal at 12 feet with 10-inch augers.
14							Drill refusal at 13.5 feet with 8-inch augers.
16							
18							
20							
22							
24							

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well **MW-5**

Project *Chv/9-3521* Owner *Chevron U.S.A. Products Company*

Location *7651 Alvarado Rd., San Diego, CA* Proj. No. *023404779*

Surface Elev. _____ Total Hole Depth *15 ft.* Diameter *10 in.*

Top of Casing _____ Water Level Initial _____ Static _____

Screen: Dia *4 in.* Length _____ Type/Size *0.020 in.*

Casing: Dia *4 in.* Length _____ Type *SCH 40 PVC*

Fill Material *#3 Sand* Rig/Core *Mobile B61 HDX*

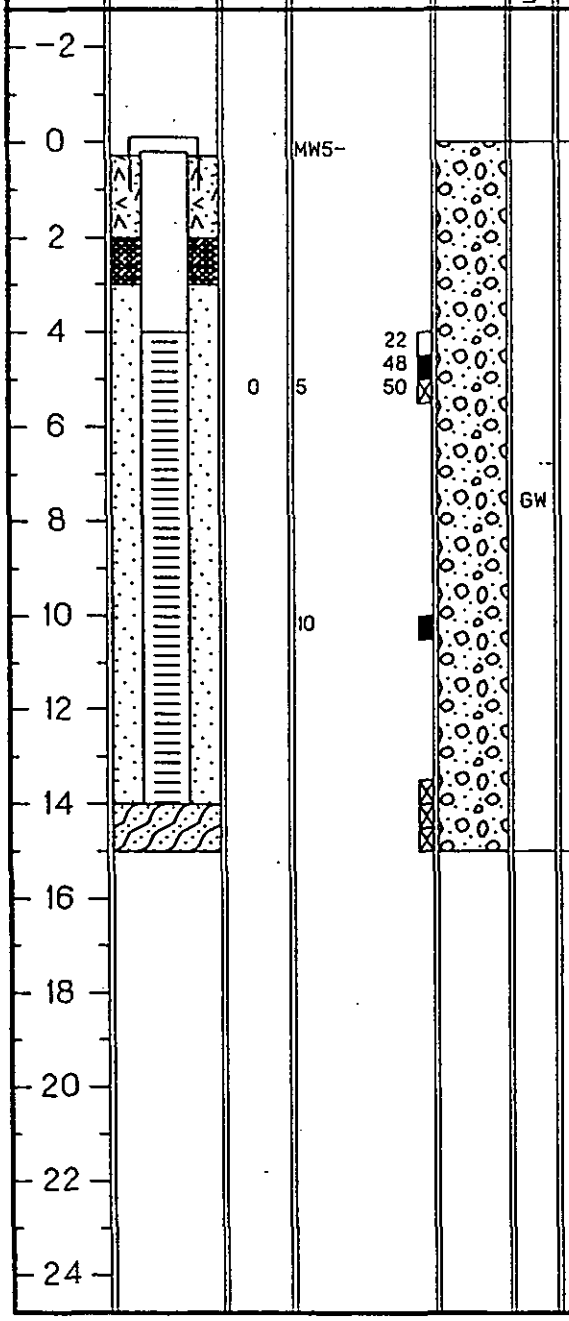
Drill Co. *A & R Drilling* Method *Hollow Stem Auger*

Driller *Mark Smith* Log By *Jim Molesworth* Date *12/28/93* Permit # *W93952*

Checked By *Kyle Rheubottom* License No. *RG 5100*

See Site Map For Boring Location

COMMENTS:



Description

(Color, Texture, Structure)

Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%

0.0 to 4.0 ft. Sandy GRAVEL (GW): Pebble, cobble, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.

4.0 to 5.5 ft. Sandy GRAVEL (GW): Pebble, cobble, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.

10 ft. Sandy GRAVEL (GW): Pebble, Cobble, 10% silt, 20% Sand, subrounded to subangular, very dense, light brown, damp, no odor. Grab sample off augers

SOIL SAMPLING
WITH SPLIT-SPOON SAMPLER
QUALITY ASSURANCE AND QUALITY CONTROL

To prevent cross contamination between samples, the sampler was washed prior to each sampling using the "three bucket" was system. This system involves:

1. Washing the split-spoon sampler in a Simple Green™ and water solution,
2. Double rinsing the sampler in tap water, and
3. Double rinsing the sampler in distilled water.

To maintain the integrity of each soil sample, the following procedures were performed. The soil samples were:

1. Collected in 6-inch brass sample tubes,
2. Sealed with foil or teflon caps,
3. Wrapped with duct tape,
4. Properly labeled and custody forms completed,
5. Waterproofed in plastic containers,
6. Placed in a cooler and chilled on ice, and
7. Delivered to a State-certified laboratory.

All soil samples were frozen and stored at the laboratory for 30 days in case additional analyses were needed.

GEOTEST

An Environmental Monitoring and Testing Service

(310)498-9515 (800)624-5744

RECEIVED
JAN - 5 1994

LABORATORY REPORT

CHEVRON
P.O. BOX 2833
LA HABRA, CA 90632-2833

COPIES TO:	JEFF COLE	GEOTEST PROJECT NO.:	94624-43
REPORT TO:	VIJAY RADICS GROUNDWATER TECHNOLOGY SAN DIEGO, CA	CLIENT ID:	023404779
PROJECT NAME:	CHEVRON #9-3521		
SITE LOCATION:			

GEOTEST is pleased to provide you with analytical data for your above referenced project. Samples were collected on 12/28/93 and received intact and cool on 12/30/93. In accordance with the chain of custody, the samples were analyzed for the following analytical parameters:

ANALYTICAL TEST	PAGE
TPH-G/BTEX	2-3

REVIEWED AND APPROVED: _____

REPORT DATE: 1/3/94

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. All samples are analyzed on an as received (wet weight) basis. Any results listed as "ND" are not detected above the indicated limit of detection. All method numbers referenced are EPA method numbers except where otherwise noted. This report is submitted for the exclusive use of the client to whom it is addressed and is only valid in its entirety. ELAP certification #1225.

GEOTEST

An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

LABORATORY REPORT

ANALYST :	AM	GEOTEST PROJECT NO.:	94624-43
		CLIENT ID:	023404779
PREP. METHOD:	5030		
DATE PREPARED:	12/30/93	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/FID/PID
GASOLINE (TPH-G) BY DOHS METHOD / BTEX BY EPA METHOD 8020

COMPONENTS:		TPH-G	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	SURROGATE RECOVERY
UNITS:		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	%
DETECTION LIMITS:		10	0.005	0.005	0.005	0.015	
SAMPLE ID	DATE ANALYZED						
METHOD BLANK	12/30/93	ND	ND	ND	ND	ND	100
MW4-5	12/30/93	ND	ND	ND	ND	ND	90
MW5-5	12/30/93	ND	ND	ND	ND	ND	95
MW5-10	12/30/93	ND	ND	ND	ND	ND	98
B1-5	12/30/93	ND	ND	ND	ND	ND	97

Surrogate : a,a,a-Trifluorotoluene **Acceptable Range (%) :** 70-130

GEOTEST
An Environmental Monitoring and Testing Service
(310)498-9515 (800)624-5744

QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

ANALYST :	AM	GEOTEST PROJECT NO.:	94624-43
		CLIENT ID:	023404779
PREP. METHOD:	5030		
DATE PREPARED:	12/30/93	MATRIX:	SOIL

ANALYSIS OF VOLATILE ORGANICS BY GAS CHROMATOGRAPHY/FID/PID
GASOLINE (TPH-G) BY DOHS METHOD / BTEX BY EPA METHOD 8020

COMPONENTS:		TPH-G	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	ACCEPTABLE RANGE
RECOVERY UNITS:		%	%	%	%	%	%
SAMPLE ID	DATE ANALYZED						
LCS	12/30/93	109	96	98	101	101	80-120
MATRIX SPIKE	12/30/93	110	108	108	112	110	70-130
MATRIX SPIKE DUPLICATE	12/30/93	107	106	108	110	109	70-130
RPD		2.8	1.8	0	1.8	0.6	0-25

LCS - Laboratory Control Standard RPD - Relative Percent Difference

44624-43 7076

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Chevron Alvarado
PROJECT I.D. No. 923404779
CONSULTANT NAME Groundwater Technology
ADDRESS 9940 Mesa Rim Rd, Suite B, San Diego 92121
PROJECT CONTACT (NAME) Vijay Rodics
(PHONE) 619 453 8415
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) Jeff Cole
(PHONE) 310 694 7969

LABORATORY NAME Geotest
CONTRACT NUMBER 6CSW23441X
COLLECTED BY (NAME) Jim Molesworth
(SIGNATURE) [signature]
COLLECTION DATE 12-28-93

CHAIN-OF-CUSTODY RECORD

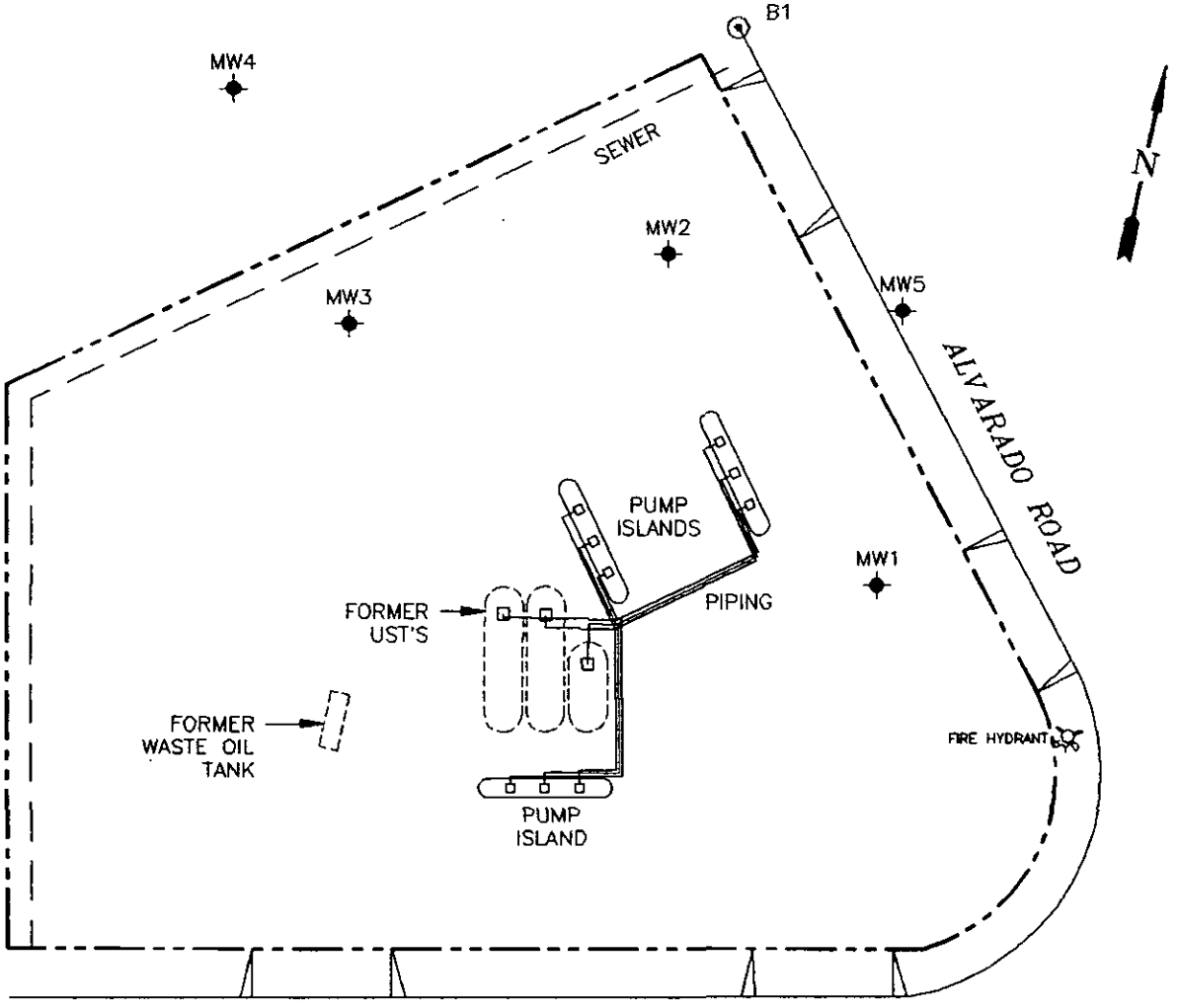
3 — — — RE *

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
MW4-5	1	✓		✓		12-28	9:45		✓	X		X								Run Highest
MW5-5							2:30			X		X								TPHg for
MW5-10							3:07			X		X								O. lead. If
B1-5	↓	↓		↓		↓	4:15		↓	X		X								all are ND
																				then don't run
																				O. lead.
																				3°C

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
[signature]	GTI	12-29/17:00	Airborne # 702885 0010		
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
AIRBORNE					
RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
			[signature]		12/29/93 1030

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS 5 DAYS
48 HRS 10 DAYS

SW FORM E-1-89



EXPLANATION

- MONITORING WELL
- BORING

NOTES:

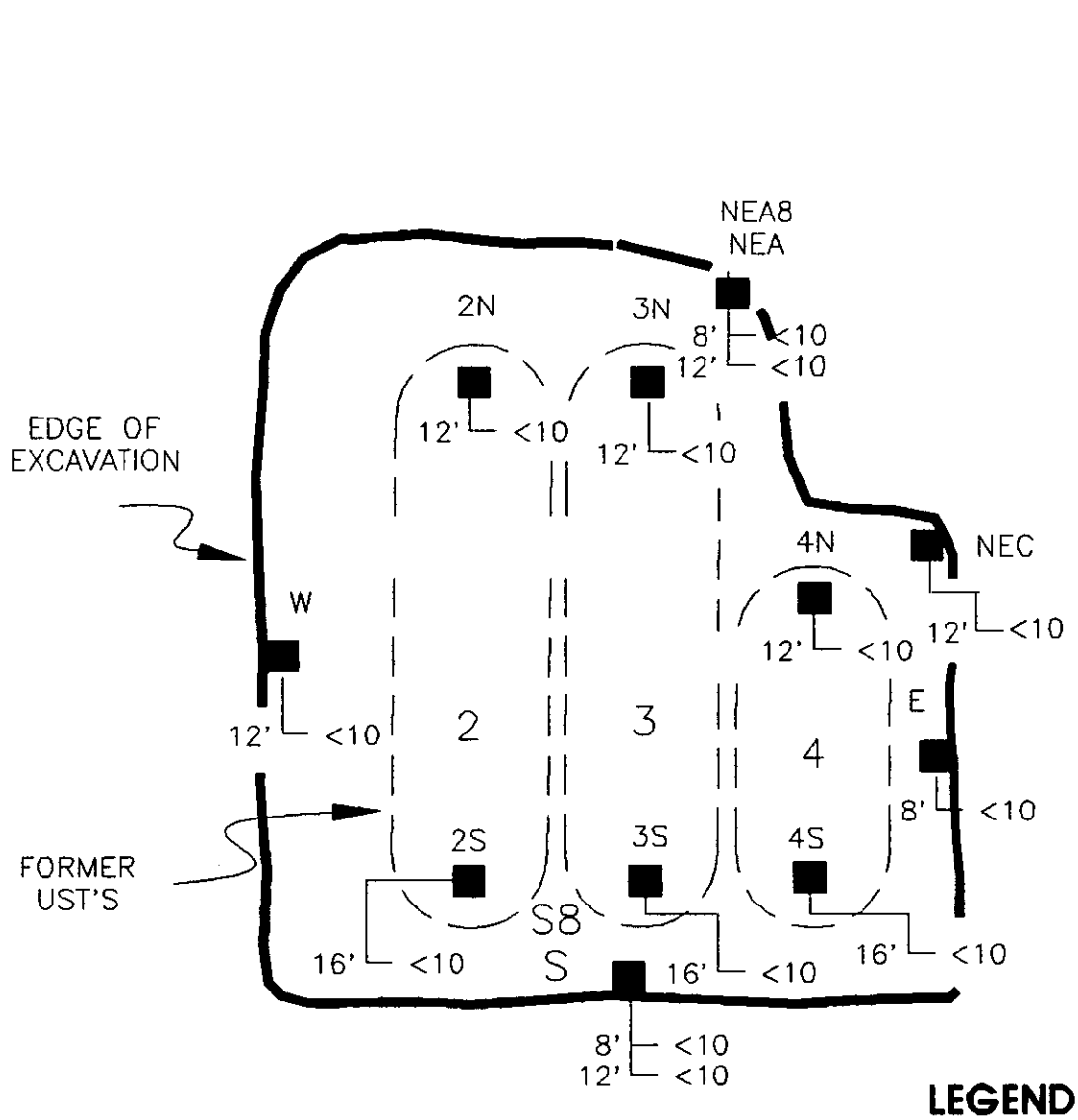
1. DRAWING ADAPTED FROM CHEVRON GROUND & GRADE, 04/10/72.
2. LOCATIONS FOR WELLS MW4 AND MW5 FROM LAND TECHNOLOGY SURVEY, 2/94.

GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

SITE PLAN

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-3521	FILE: 4779SM (1:480)		PROJECT NO.: 023404779	PM	PE/RG
	REV.			FIGURE: 2	
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	DES. JLM	DET. CCG	DATE: 05/12/94		



LEGEND

SAMPLE LOCATION

DEPTH IN FEET

3' 270 TPH AS GASOLINE (mg/Kg)
5' 370 TPH AS GASOLINE (mg/Kg)
7' 430 TPH AS GASOLINE (mg/Kg)

10 = DETECTION LIMIT

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.
3. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1991 TANK REMOVAL REPORT

0 10 20

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-TP1

DRAFTED 11/08/91

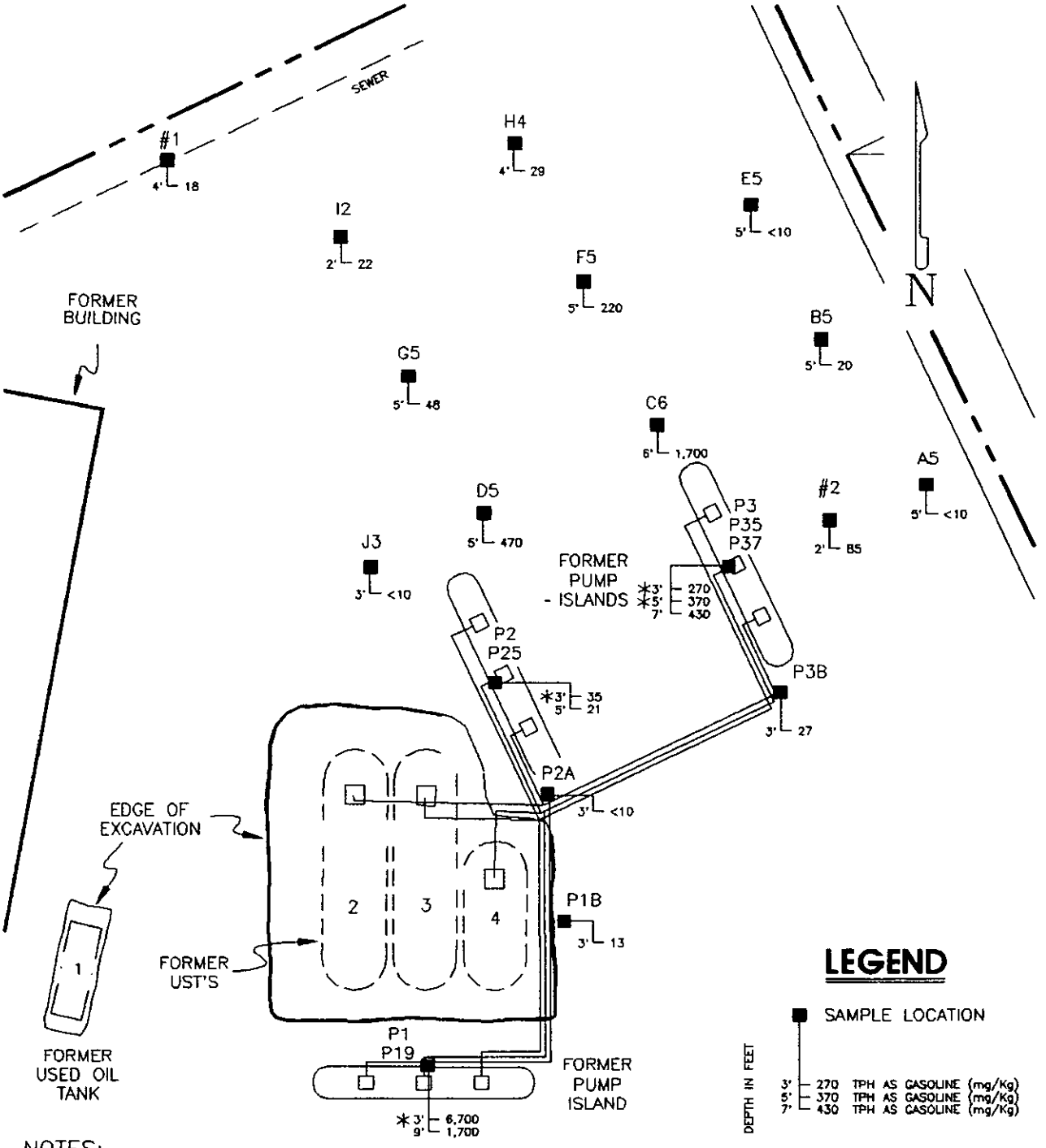
SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
023401525

TPH IN SOIL-GASOLINE TANK PIT - 1991

FIGURE 3



LEGEND

SAMPLE LOCATION

DEPTH IN FEET

3' 270 TPH AS GASOLINE (mg/Kg)
5' 370 TPH AS GASOLINE (mg/Kg)
7' 430 TPH AS GASOLINE (mg/Kg)

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.
3. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
4. * = SAMPLE REPRESENTS EXCAVATED SOIL.
5. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1991 TANK REMOVAL REPORT

DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA

7651 ALVARADO ROAD
LA MESA, CA
023401525

TPH IN SOIL- PUMP ISLANDS, PRODUCT LINES, TEST PITS - 1991

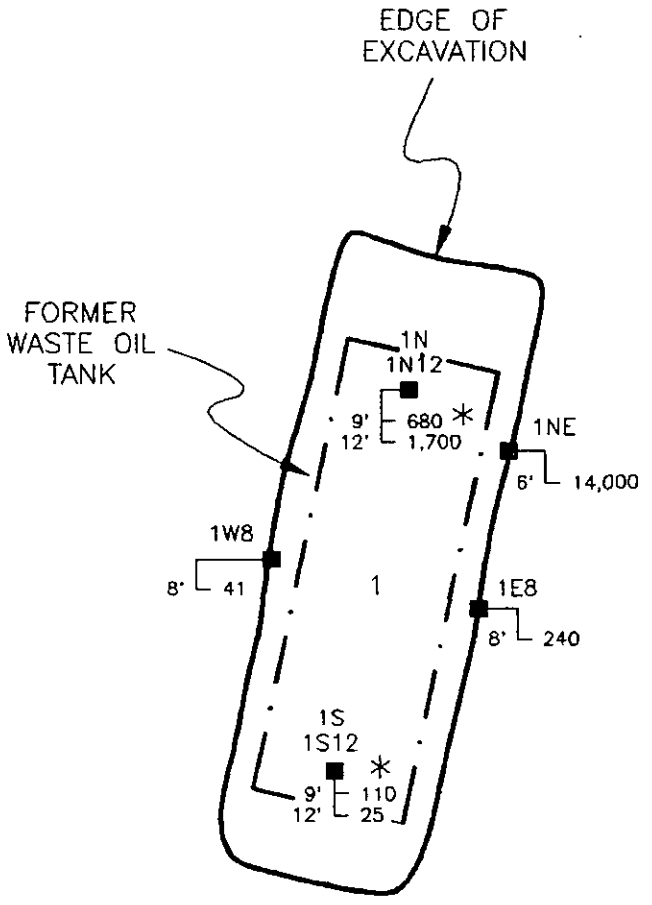
FIGURE 4

GROUNDWATER TECHNOLOGY, INC.

1525-TPP

0 20 40

APPROX SCALE IN FEET



N

LEGEND

SAMPLE LOCATION

DEPTH IN FEET

9' 680 TRPH (mg/Kg)
12' 1,700 TRPH (mg/Kg)

NOTES:

1. SOIL SAMPLE LOCATIONS ARE APPROXIMATE.
2. TRPH BY EPA METHOD 418.1
3. * = SAMPLE REPRESENTS EXCAVATED SOIL
4. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1991 TANK REMOVAL REPORT

0 5 10

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-TSU

DRAFTED 11/08/91

SS No. 9-3521

CHEVRON/LA MESA

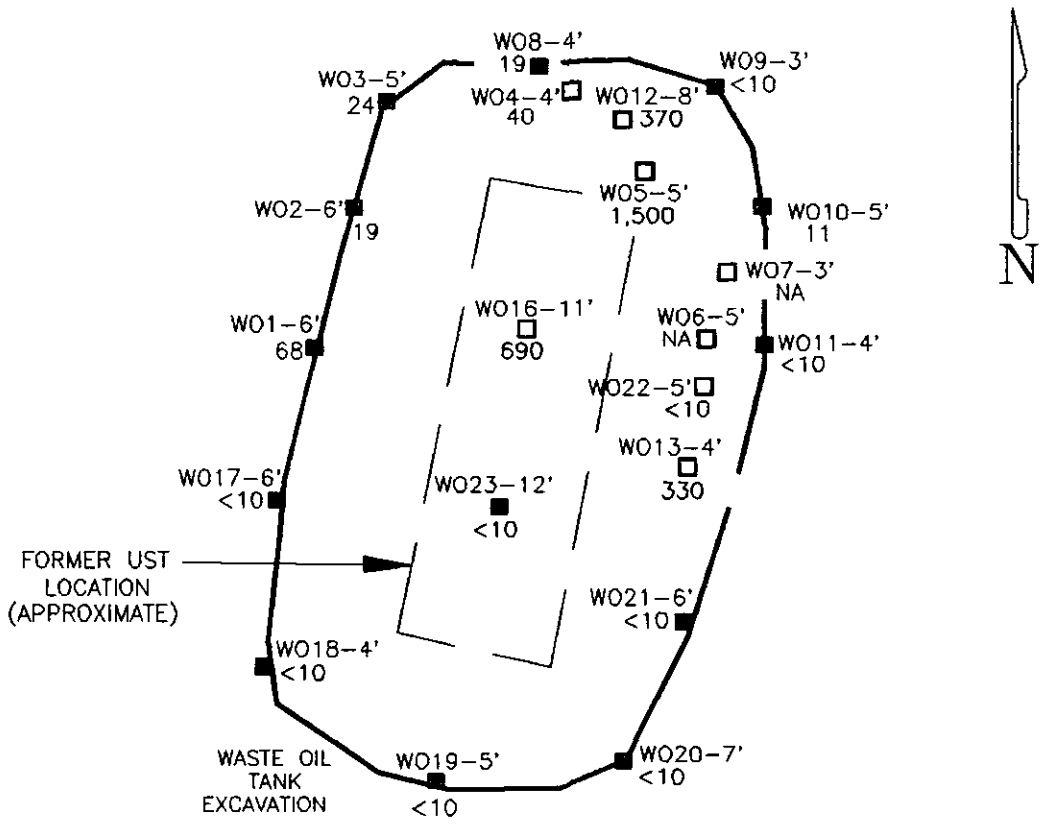
7651 ALVARADO ROAD

LA MESA, CA

023401525

TRPH IN SOIL- WASTE OIL TANK PIT 1991

FIGURE 5



LEGEND

■ SAMPLE LOCATION

□ SAMPLE LOCATION REPRESENTS EXCAVATED SOIL

24 TRPH (mg/Kg)

10 TRPH DETECTION LIMIT (mg/Kg)

NA NOT ANALYZED

RED = TRPH >100 mg/Kg

NOTE:
1. SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.
2. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1992 COMPREHENSIVE SITE ASSESSMENT REPORT.

0 5 10

APPROX SCALE IN FEET

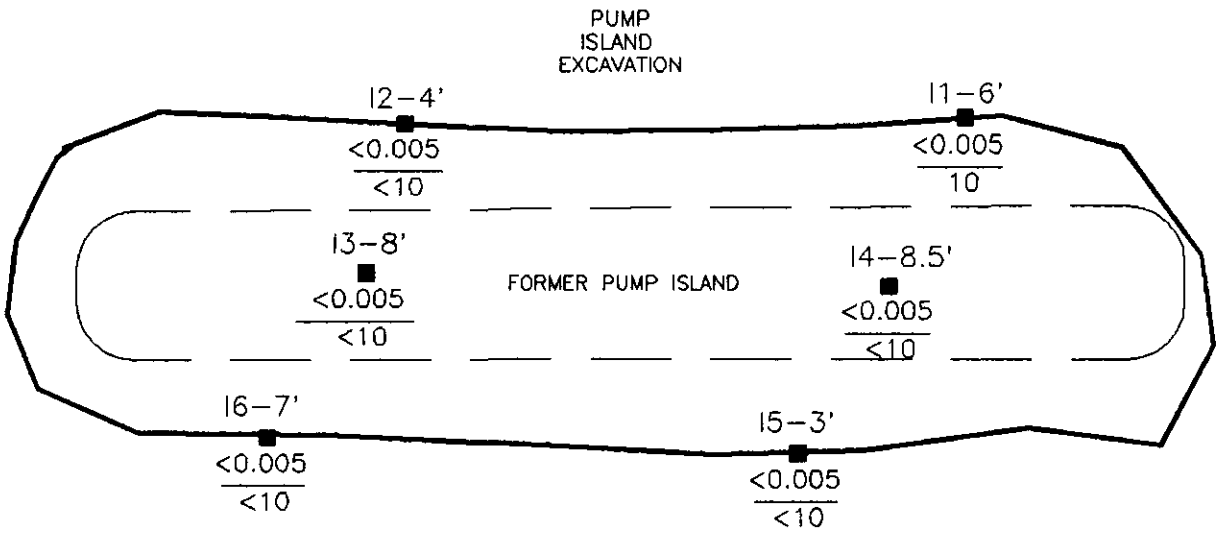
GROUNDWATER TECHNOLOGY, INC.

1525-UOE

DRAFTED 05/26/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

WASTE OIL TANK EXCAVATION

FIGURE 6



LEGEND

■	SAMPLE LOCATION
0.005 / 10	BENZENE (mg/Kg) / TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPH_g) (mg/Kg)
0.005 / 10	BENZENE DETECTION LIMIT (mg/Kg) / TPH_g DETECTION LIMIT (mg/Kg)

NOTE:
1. SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.
2. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1992 COMPREHENSIVE SITE ASSESSMENT REPORT.

GROUNDWATER TECHNOLOGY, INC.

1525-PIE

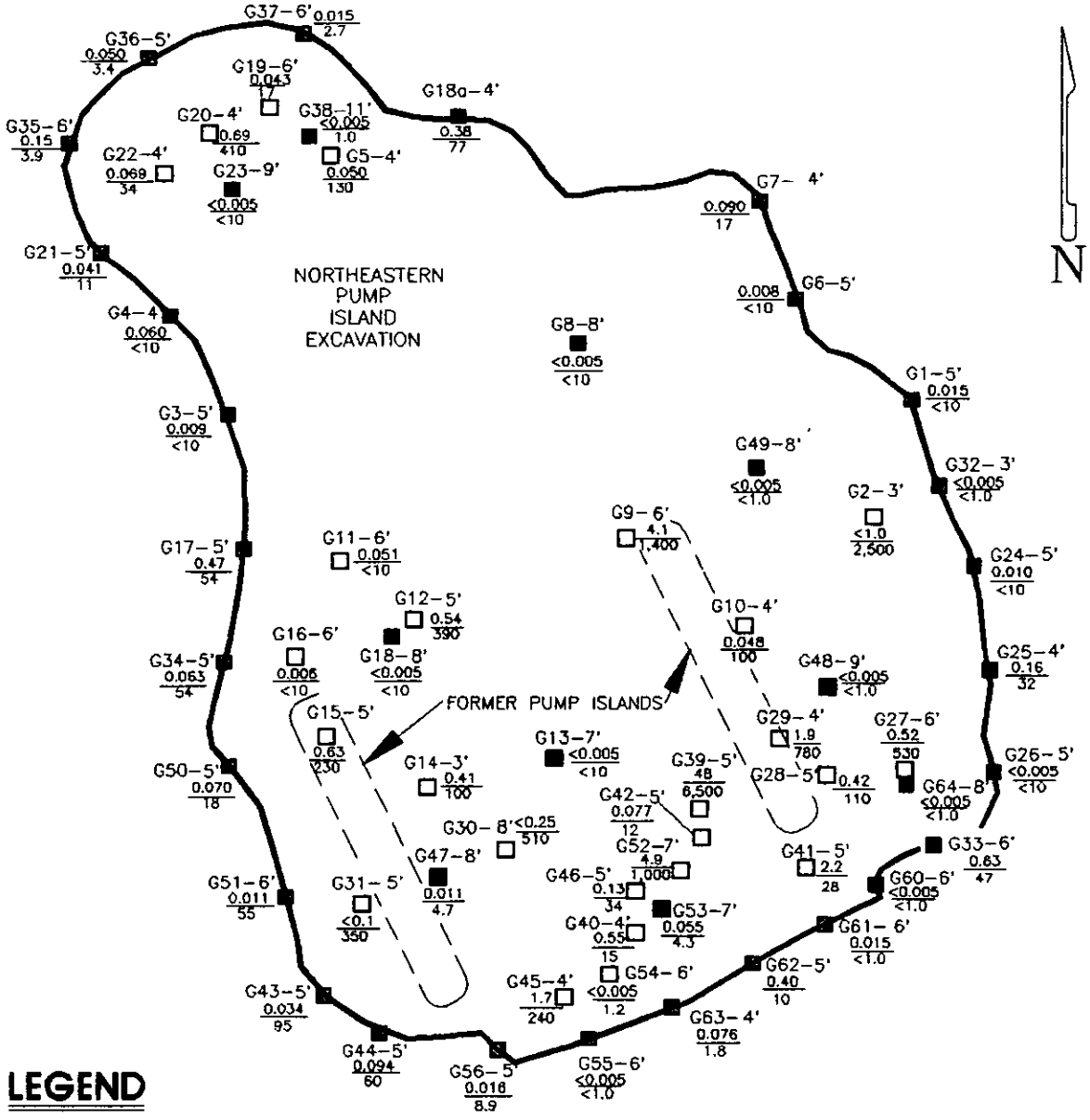
0 5 10

APPROX SCALE IN FEET

DRAFTED 05/26/92
FORMER SS No. 9-3621
CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

SOUTHERN PUMP ISLAND EXCAVATION

FIGURE 7



LEGEND

- ■ SAMPLE LOCATION
- □ SAMPLE LOCATION–REPRESENTS EXCAVATED SOIL
- 0.094 / 34 — BENZENE (mg/Kg) / TPH AS GASOLINE (mg/Kg)
- 0.005 / 10 OR 1.0 * — DETECTION LIMIT BENZENE (mg/Kg) / DETECTION LIMIT TPH AS GASOLINE (mg/Kg)
- * MOBILE LABS REPORTED DIFFERENT DETECTION LIMITS FOR TPH AS GASOLINE
- RED = TPHg >100 (mg/Kg)

NOTE:
1. SOIL SAMPLE LOCATIONS AND DEPTHS ARE APPROXIMATE.
2. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1992 COMPREHENSIVE SITE ASSESSMENT REPORT.

0 15 30

APPROX SCALE IN FEET

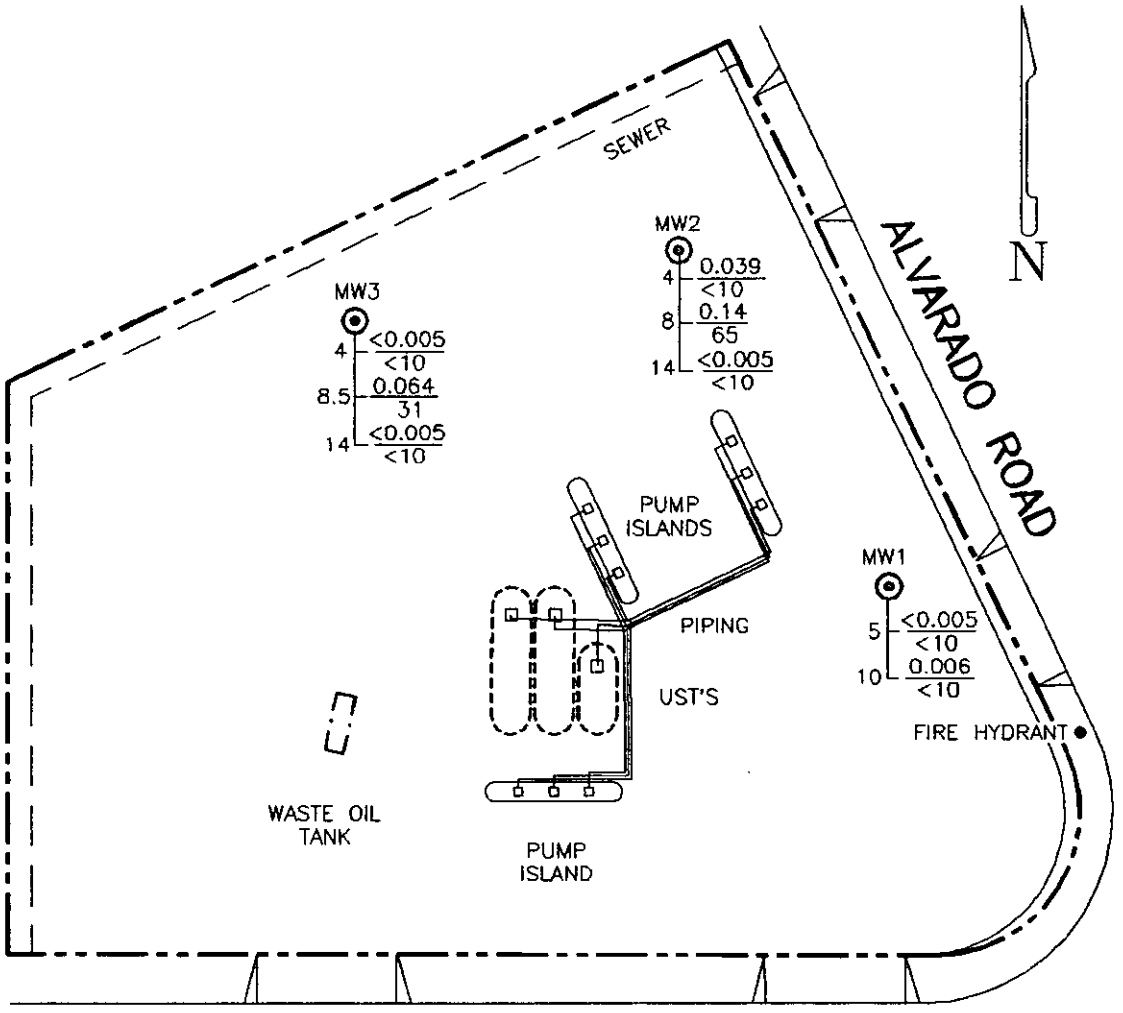
GROUNDWATER TECHNOLOGY, INC.

1525-NPI

DRAFTED 05/27/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

NORTHEASTERN PUMP ISLAND EXCAVATION

FIGURE 8



LEGEND

DEPTH (FEET)

- MONITORING WELL
- 5: 0.14 / 65 — BENZENE (mg/Kg) / TPH AS GASOLINE (mg/Kg)
- 10: 0.005 / 10 — BENZENE DETECTION LIMIT (mg/Kg) / TPH AS GASOLINE DETECTION LIMIT (mg/Kg)

SAMPLES COLLECTED ON 3/27/92

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
3. FIRE HYDRANT = BENCHMARK – RELATIVE ELEVATION 100.00'.
4. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1992 COMPREHENSIVE SITE ASSESSMENT REPORT.

0 40 80

APPROX SCALE IN FEET

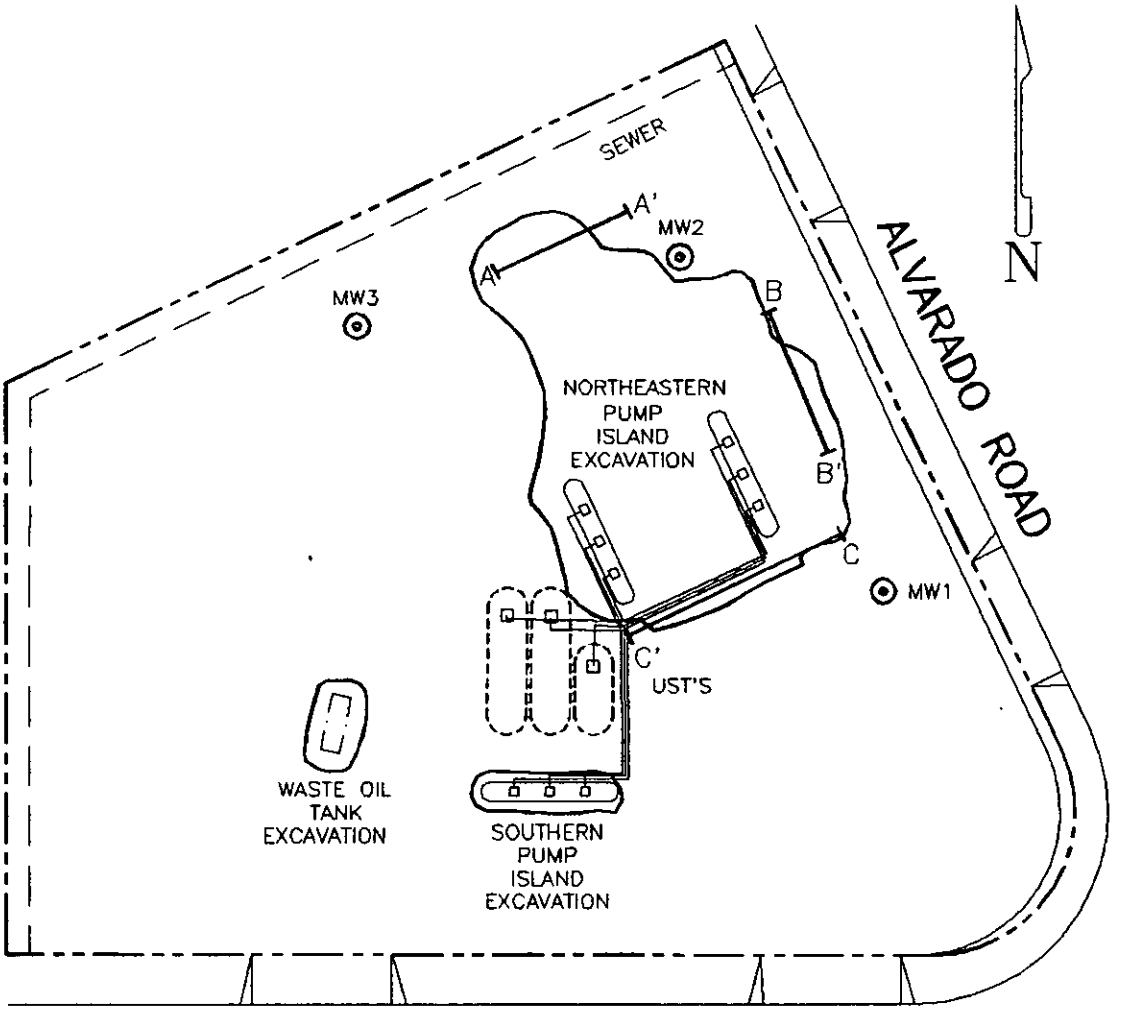
GROUNDWATER TECHNOLOGY, INC.

1525-BZS

DRAFTED 06/06/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7651 ALVARADO ROAD
LA MESA, CA
023402346

BENZENE/TPHg CONCENTRATIONS IN BORINGS - 1992

FIGURE 9



LEGEND

- ⊙ MONITORING WELL
- A ⊢ A' B ⊢ B' SCHEMATIC GEOLOGIC MAPS
- C ⊢ C' SCALED GEOLOGIC MAP

NOTES:

1. DRAWING ADAPTED FROM: CHEVRON GROUND & GRADE DATED: 04/10/72
2. ALL UST'S, PUMP ISLANDS AND ASSOCIATED PIPING HAVE BEEN REMOVED.
3. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1992 COMPREHENSIVE SITE ASSESSMENT REPORT.

0 40 80

APPROX SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525-GML

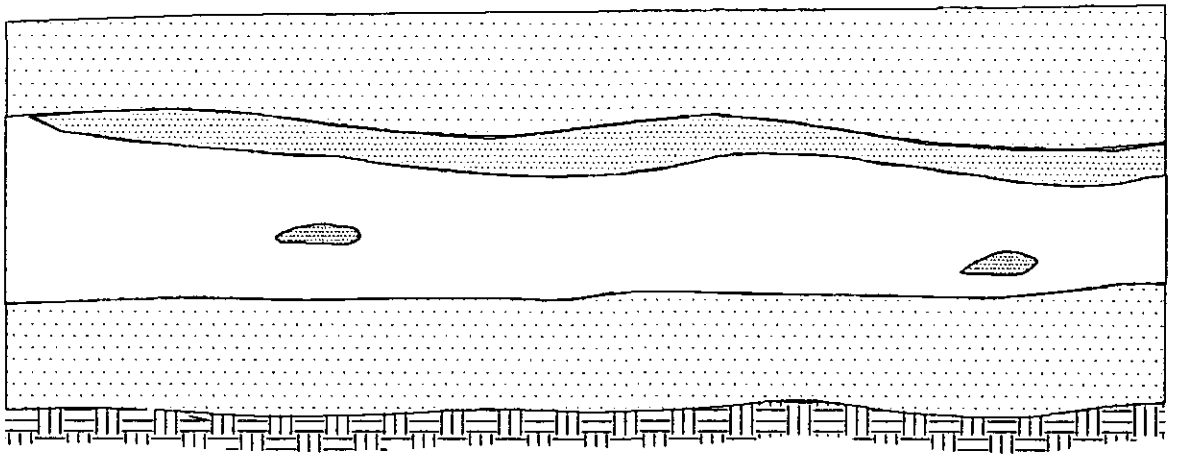
DRAFTED 05/26/92
FORMER SS No. 9-3521
CHEVRON/LA MESA
7661 ALVARADO ROAD
LA MESA, CA
023402346

GEOLOGIC MAPPING LOCATIONS

FIGURE 10

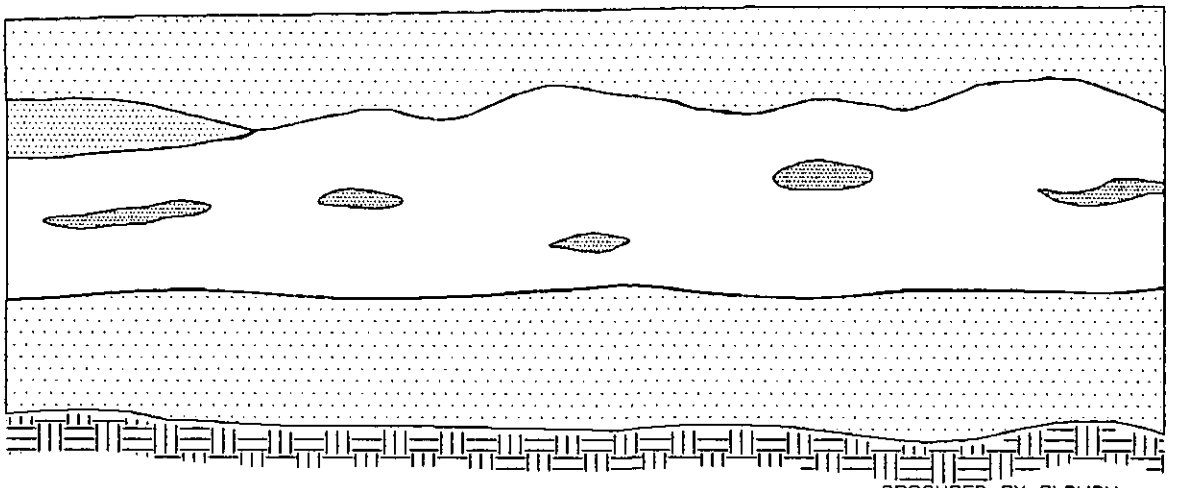
NOT TO SCALE

A A'



OBSCURED BY SLOUGH

B B'



OBSCURED BY SLOUGH

NOT TO SCALE

LEGEND

- FILL MATERIAL – CLAYEY SAND, LITTLE GRAVEL AND COBBLES, DEBRIS – ROOTS, ASPHALT, CONCRETE, WOOD ETC.
- SAND – MEDIUM TO FINE GRAINED, LOCALLY SILTY.
- SILTY SAND – SILTY SAND WITH CLAY, LENSES OF GRAVEL.
- GRAVEL LENSES – GRAVEL WITH SANDY SILT, WATER BEARING ZONE, LATERALLY DISCONTINUOUS LENSES.

(SAND, SILTY SAND, GRAVEL LENSES) — QUATERNARY ALLUVIUM/SLOPEWASH

- STADIUM CONGLOMERATE – COBBLE CONGLOMERATE WITH COARSE GRAINED SANDSTONE MATRIX.
- OBSCURED BY SLOUGH

NOTE:

1. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1992 COMPREHENSIVE SITE ASSESSMENT REPORT.

GROUNDWATER TECHNOLOGY, INC.

1525–DGM

DRAFTED 06/04/92

FORMER SS No. 9-3521

CHEVRON/LA MESA

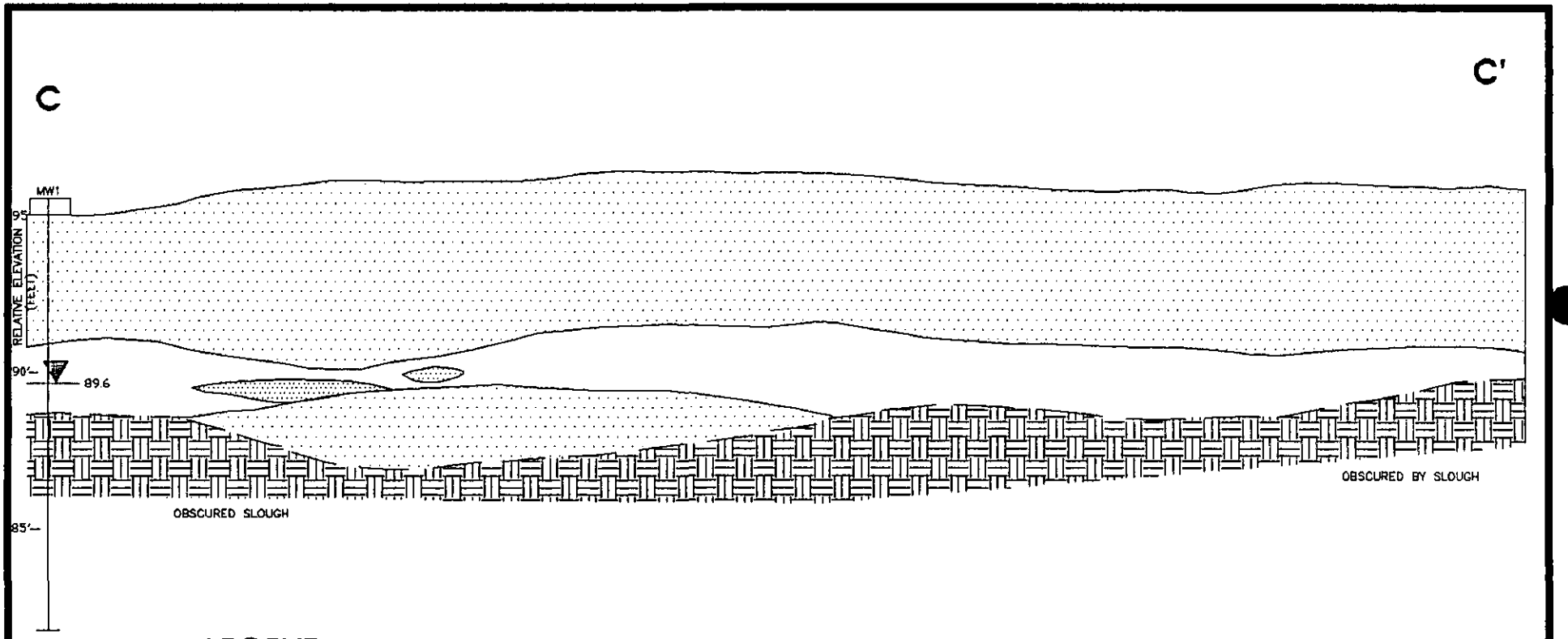
7651 ALVARADO

LA MESA, CA

023402346

SCHEMATIC GEOLOGIC MAP A-A' AND B-B'

FIGURE 11A



LEGEND

- FILL MATERIAL – CLAYEY SAND, LITTLE GRAVEL AND COBBLES, DEBRIS – ROOTS, ASPHALT, CONCRETE, WOOD ETC.
- SILTY SAND – SILTY SAND WITH CLAY, LENSES OF GRAVEL.
- SILTY SAND, WATER BEARING ZONE, LATERALLY DISCONTINUOUS LENS.
- GRAVEL WITH SANDY SILT, WATER BEARING ZONE, LATERALLY DISCONTINUOUS LEN.
- STADIUM CONGLOMERATE – COBBLE CONGLOMERATE WITH COARSE GRAINED SANDSTONE MATRIX.
- OBSCURED BY SLOUGH

– QUATERNARY ALLUVIUM/SLOPEWASH

NOTE:
1. LITHOLOGY DIMENSIONS ARE APPROXIMATE.
2. ELEVATION RELATIVE TO FIRE HYDRANT = 100'.
3. WELL MW1 PROJECTED APPROXIMATELY 10' NORTH.
4. RELATIVE WATER TABLE ELEVATION = ~89.6'.
5. FIGURE TAKEN FROM GROUNDWATER TECHNOLOGY 1992 COMPREHENSIVE SITE ASSESSMENT REPORT.

HORIZONTAL SCALE = VERTICAL SCALE

0 5 10

APPROX. SCALE IN FEET

GROUNDWATER TECHNOLOGY, INC.

1525–XGM

DRAFTED 06/04/92

FORMER 88 No. 9-3521

CHEVRON/LA MESA

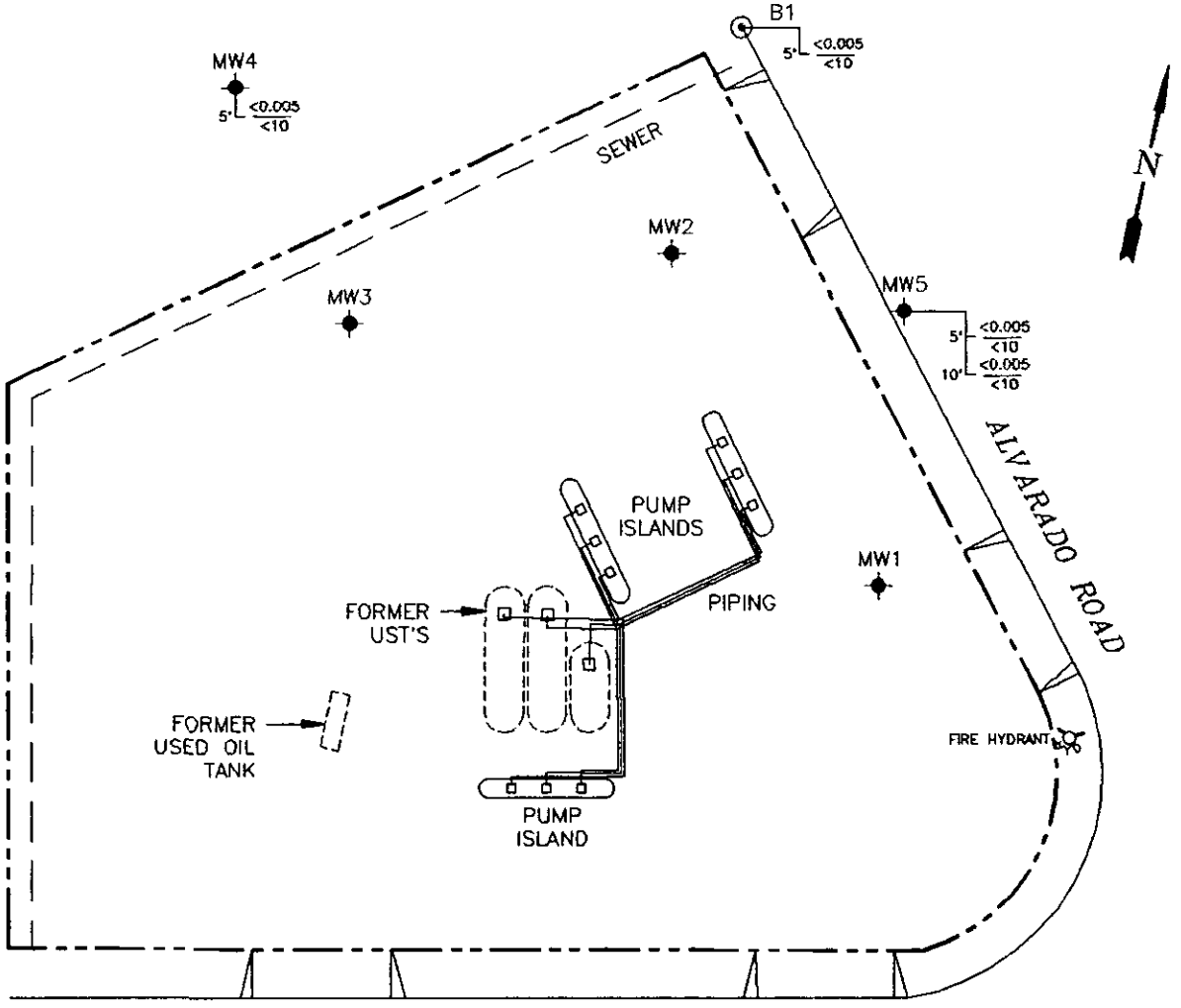
7651 ALVARADO

LA MESA, CA

023402346

SCALED GEOLOGIC MAP C - C'

FIGURE 11B



EXPLANATION

- MONITORING WELL
- BORING
- DEPTH IN FEET: 5' <0.005 / <10 — BENZENE (mg/kg) / TPH AS GASOLINE (mg/kg)
- DEPTH IN FEET: 10' <0.005 / <10 — BENZENE DETECTION LIMIT (mg/kg) / TPH AS GASOLINE DETECTION LIMIT (mg/kg)

NOTES:

1. DRAWING ADAPTED FROM CHEVRON GROUND & GRADE, 04/10/72.
2. LOCATIONS FOR WELLS MW4 AND MW5 FROM LAND TECHNOLOGY SURVEY, 2/94.

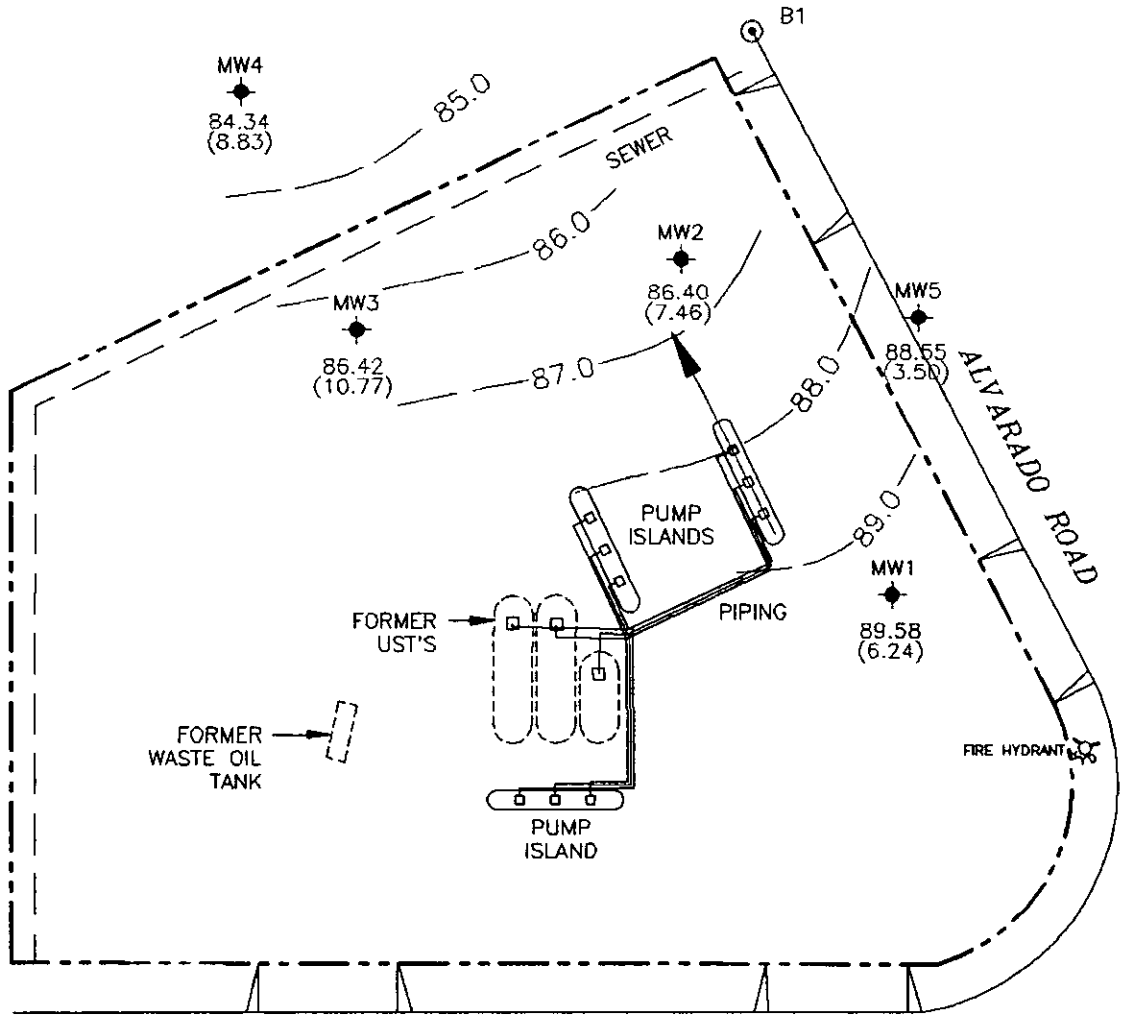
SAMPLES COLLECTED 12/28/93

GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

BENZENE/TPHg CONCENTRATIONS IN BORINGS - 1993

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-3521	FILE: 4779HCS (1:480)		PROJECT NO.: 023404779	PM	PE/RG
	REV.			FIGURE: 12	
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	DES. JLM	DET. CCG	DATE: 05/12/94		



EXPLANATION

- MONITORING WELL
- BORING
- GROUNDWATER CONTOUR
- 89.58 (6.24) RELATIVE GROUNDWATER ELEVATION / DEPTH TO GROUNDWATER
- GENERAL FLOW DIRECTION

WELLS GAUGED ON 03/25/94

NOTES:

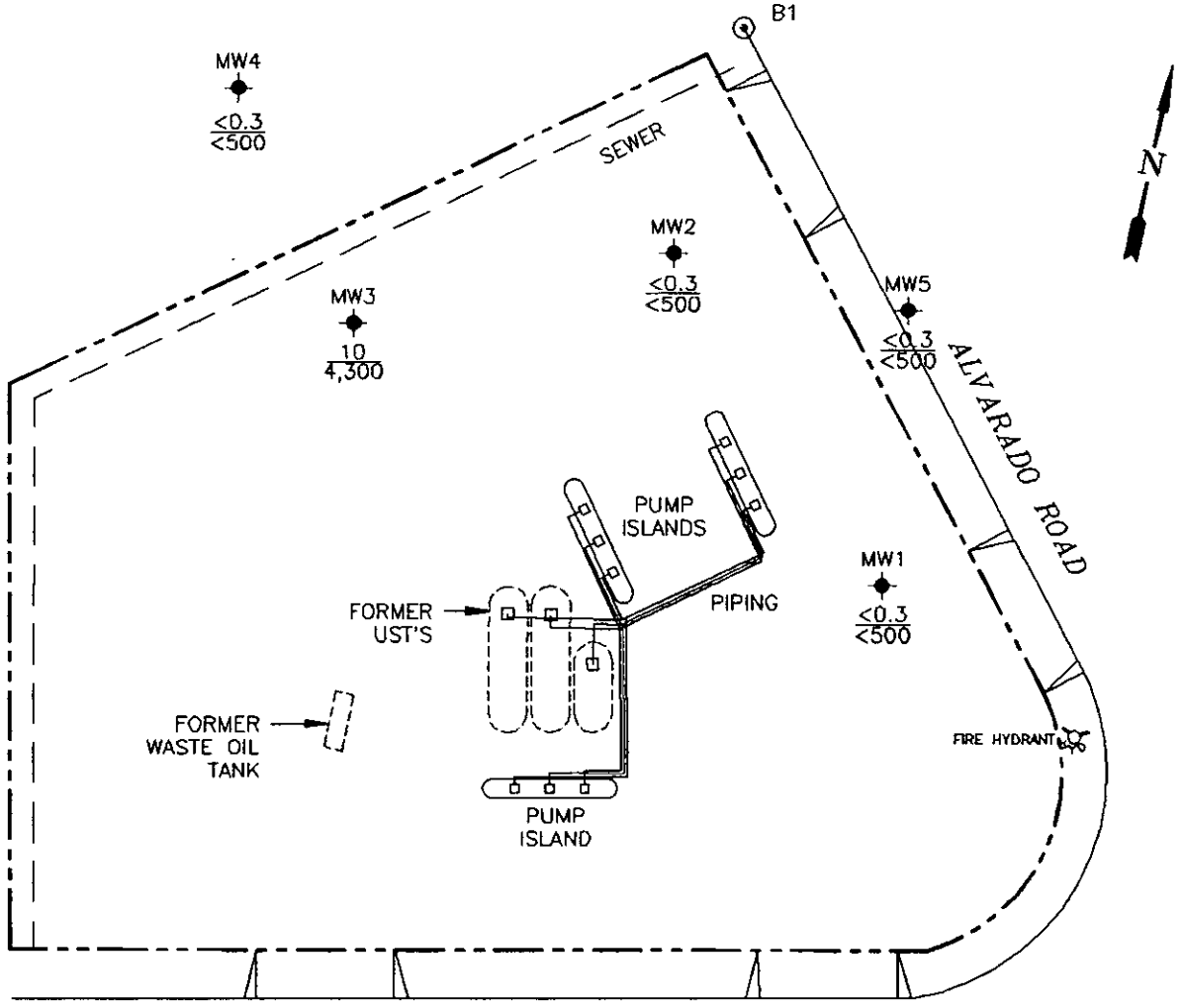
1. DRAWING ADAPTED FROM CHEVRON GROUND & GRADE, 04/10/72.
2. LOCATIONS FOR WELLS MW4 AND MW5 FROM LAND TECHNOLOGY SURVEY, 2/94.

GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

GROUNDWATER GRADIENT

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-3521	FILE: 4779GW1 (1:480)	PROJECT NO.: 023404779		PM	PE/RG
	REV.			FIGURE: 13	
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	DES. VKR	DET. PJWH	DATE: 10/17/94		



EXPLANATION

- MONITORING WELL
- BORING
- 10 / 4,300 — BENZENE (µg/L) / TPH (µg/L)
- <0.3 / <500 — BENZENE DETECTION LIMIT (µg/L) / TPH DETECTION LIMIT (µg/L)

WELLS SAMPLED ON 03/25/94

NOTES:

1. DRAWING ADAPTED FROM CHEVRON GROUND & GRADE, 04/10/72.
2. LOCATIONS FOR WELLS MW4 AND MW5 FROM LAND TECHNOLOGY SURVEY, 2/94.

GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

HYDROCARBON CONCENTRATIONS IN GROUNDWATER

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-3521	FILE: 4779DHC1 (1:480)	PROJECT NO.: 023404779	PM	PE/RG
	REV.			
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	DES. VKR	DET. PJWH	DATE: 10/17/94	FIGURE: 14

Chevron

May 16, 1994

Chevron U.S.A. Products Company
Marketing Department
1300 South Beach Boulevard
Building 4516
La Habra, California
P.O. Box 2833
La Habra, CA 90632-2833
Phone 310 694 7300

Mr. Michael Porter
County of San Diego-EHS/SAM
P.O. Box 85261
San Diego, CA 92138-5261

Recommended Actions

SA/M# H12687
Chevron Project #93521
7651 Alvarado
La Mesa, California 92041

5-24-94

Dear Mr. Porter:

Chevron recommends the following actions for the site captioned above:

1. Reduce frequency of monitoring to twice annually; monitor during the 1st and 3rd quarters of each year. Impacted soils were excavated prior to redevelopment of the site and dissolved concentrations in groundwater are dropping in response.
2. Destroy redundant well MW-5. Keep, then monitor annually
3. Stop analyzing samples for MTBE.
4. Close open case for site following 3 quarters of concentrations below action levels.

We can discuss these recommendations in our upcoming meeting on Tuesday, May 24, 1994. If you have any questions please don't hesitate to call me at (310) 694-7969.

Sincerely,

REGISTERED GEOLOGIST
JEFFREY E. COLE
No. 5370
STATE OF CALIFORNIA

Jeffrey E. Cole
Environmental Project Manager
Registered Geologist #5370

cc: Ms. R. Dimenstein California Regional Water Quality Control
Ms. V. Radics Groundwater Technology, Inc.
Ms. T. Balsitis Wayne Perry Construction, Inc.
Mr. M. Habib
Mr. G. Blair San Diego Gas and Electric

PREPARED FOR: **Mr. Jeffrey Cole**
Chevron U.S.A. Products Company
1300 South Beach Boulevard
La Habra, California 90631

QUARTERLY MONITORING REPORT
JANUARY 1 THROUGH MARCH 31, 1994
FORMER CHEVRON SERVICE STATION # 9-3521
7651 Alvarado Road
La Mesa, California

MARCH 31, 1994

PREPARED BY: **WAYNE PERRY CONSTRUCTION, INC.**
8301 West Commonwealth Avenue
Buena Park, California 90621

WRITTEN BY:

VLADIMIR A. MARIENKO
Staff Geologist

REVIEWED BY:

RICHARD V. SMITH
Registered Geologist
No. 5014

Project No. 93.390

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION *1*
ANALYTICAL RESULTS SUMMARY *1*
CONCLUSIONS *2*

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TABLE 2 *HISTORIC GROUNDWATER ANALYSES AND GAUGING RESULTS*

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FIGURE 2 *PLOT PLAN*
FIGURE 3 *GROUNDWATER CONTOUR MAP*
FIGURE 4 *DISSOLVED HYDROCARBON AND MTBE CONCENTRATION MAP*

GRAPHS

GRAPHS 1-2 *BENZENE CONCENTRATIONS VS TIME*
GRAPH 3 *HYDROGRAPH*

LIST OF APPENDICES

APPENDIX A *GROUNDWATER SAMPLING PROCEDURES*
FIELD TESTING DATA

APPENDIX B *LABORATORY REPORT*
CHAIN-OF-CUSTODY FORM

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION

Enclosed is the quarterly monitoring report for former Chevron Station No. 9-3521 located at 7651 Alvarado Road in the city of La Mesa(Figures 1 and 2). This report updates groundwater monitoring activities performed between January 1 and March 31, 1994.

On March 25, 1994 monitoring wells MW-1 through MW-5 were gauged and sampled. Samples were obtained sequentially from wells MW-1, MW-2, MW-5, MW-4, and MW-3 in order of increasing dissolved hydrocarbons as determined from previous laboratory. A description of groundwater sampling procedures is presented in Appendix A. Gauging data are presented in Table 1 and were used to derive a groundwater contour map (Figure 3).

Purged groundwater was placed in drums and subsequently, transported under a Non-hazardous Data Form to the Gibson Facility in Bakersfield for recycling.

ANALYTICAL RESULTS SUMMARY

A duplicate sample from monitoring well MW-1 and trip blank were prepared and analyzed to verify the integrity of field and laboratory procedures. All groundwater and blank samples were tested for total petroleum hydrocarbons - gasoline using the California Department of Health Services Test Method 8015-M and purgeable aromatics and methyl tertiary butyl either using EPA Test Method 602. A copy of the laboratory report and chain-of-custody form are included in Appendix B. Results of the laboratory analyses for samples obtained on March 25, 1994 are provided in Table 1. A summary of groundwater analyses is presented in Table 2.

Dissolved hydrocarbons were not detected in the sample and duplicate from well MW-1.

Results of the laboratory analyses indicate the concentration of TPH-gasoline was 4,300 ug/l in the sample from well MW-3. The concentration of benzene was 10 ug/l in the sample from well MW-3. Dissolved hydrocarbons were not detected in samples from wells MW-1, MW-2, MW-4, and MW-5. Concentrations of dissolved hydrocarbons are shown on Figure 4.

Methyl tertiary butyl ether was not detected in samples from wells MW-1 through MW-5.

CONCLUSIONS

Comparison of laboratory data from the previous monitoring episode indicates concentrations of dissolved hydrocarbons decreased in the sample from well MW-3. Dissolved hydrocarbons continued to be below detection limits in samples from wells MW-1 and MW-2. The highest levels of dissolved hydrocarbons were present in the sample from well MW-3. Benzene exceeded action levels in the sample from well MW-3. Benzene concentrations over time are shown on Graphs 1 and 2.

Groundwater elevations increased by 0.12 feet and 0.17 feet in well MW-1 and MW-3, respectively, and decreased by 0.01 feet in well MW-2 as compared to the previous monitoring episode. Groundwater elevations over time are shown on Graph 3. The direction of groundwater flow was northwesterly at a gradient of 0.03 foot per foot.

o o O o o

This report has been prepared for the exclusive use of Chevron U.S.A., Inc. as it pertains to their site located at 7651 Alvarado Road, La Mesa, California. No warranty, expressed or implied, is made as to the professional advice in this report.

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

TABLES

Table 1. Groundwater Analyses and Gauging Results
Table 2. Historic Groundwater Analyses and Gauging Results

Project No. 93.390

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 1. WATER ANALYSES AND GAUGING RESULTS FOR FORMER
CHEVRON STATION # 9-3521 SAMPLED ON MARCH 25, 1994

WELL	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	TOTAL HYDRO-CARBONS GASOLINE	MTBE	**	DEPTH TO WATER	HYDRO-CARBON THICKNESS	GROUND-WATER ELEVATION	**	TOP OF CASING	DEPTH OF WELL	**	COMMENTS
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	**	(feet)	(feet)	(feet)	**	(feet)	(feet)	**	
ND=	<0.3	<0.3	<0.3	<0.6	<500	<0.5	**				**			**	
MW-1	ND	ND	ND	ND	ND	ND	**	6.24	0.000	89.58	**	95.82	14.76	**	
MW-2	ND	ND	ND	ND	ND	ND	**	7.46	0.000	86.40	**	93.86	14.26	**	
MW-3	10	ND	58	12	4300	ND	**	10.77	0.000	86.42	**	97.19	13.38	**	
MW-4	ND	ND	ND	ND	ND	ND	**	8.83	0.000	84.34	**	93.17	10.69	**	
MW-5	ND	ND	ND	ND	ND	ND	**	3.50	0.000	88.55	**	92.05	14.20	**	

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

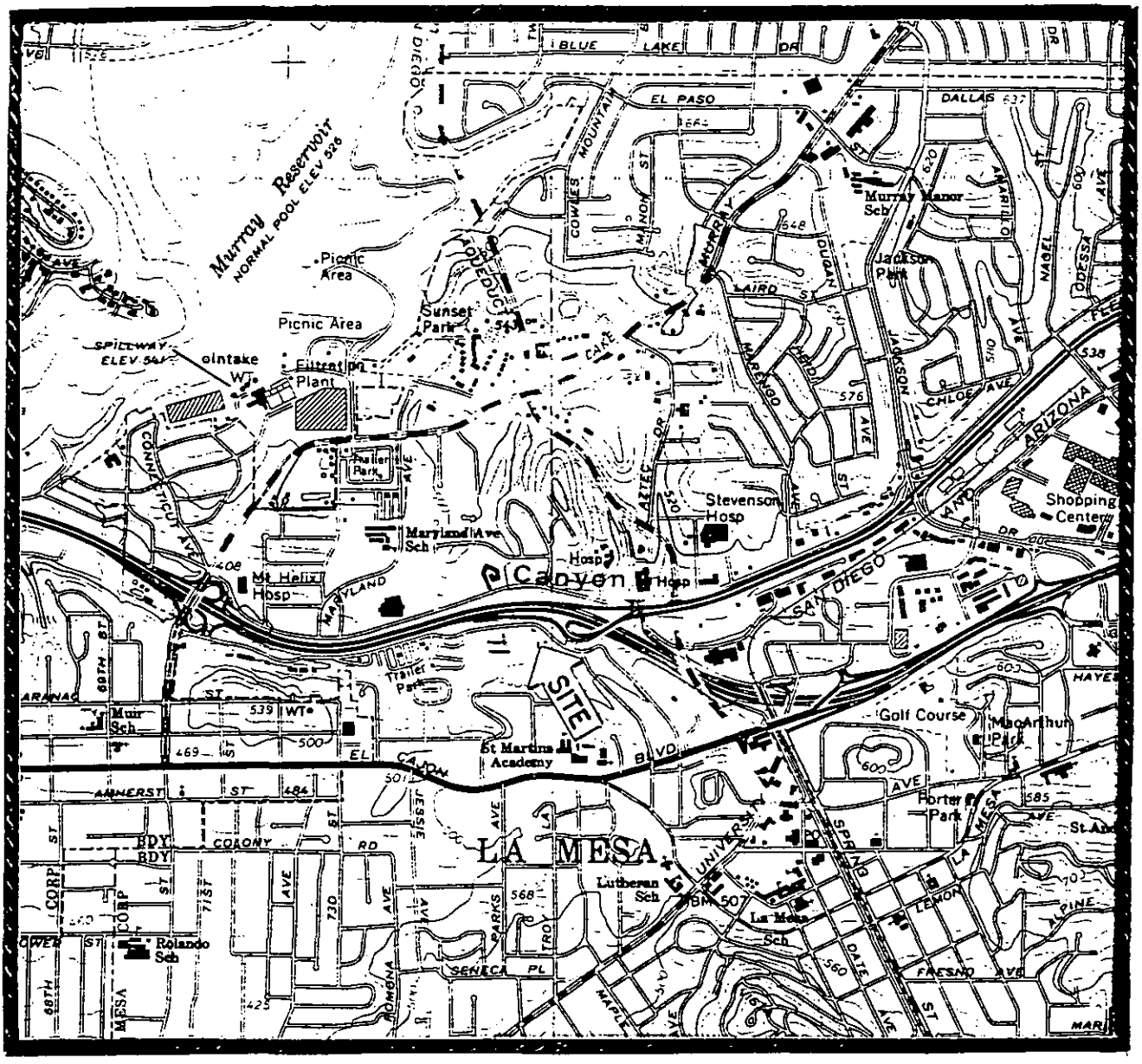
TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	MTBE (ug/l)	**	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	**	TOP OF CASING (feet)	DEPTH OF WELL (feet)	**	COMMENTS
04/08/92	MW-1	ND	ND	ND	ND	ND		**	6.46	0.000	89.36	**	95.82		**	
09/10/92	MW-1	ND	ND	ND	ND	ND		**	6.16	0.000	89.66	**	95.82		**	
12/01/92	MW-1	ND	ND	ND	ND	ND		**	6.28	0.000	89.54	**	95.82		**	
10/04/93	MW-1	ND	ND	ND	ND	ND		**	6.27	0.000	89.55	**	95.82	14.74	**	
11/23/93	MW-1	ND	ND	ND	ND	ND		**	6.36	0.000	89.46	**	95.82	14.71	**	
03/25/94	MW-1	ND	ND	ND	ND	ND	ND	**	6.24	0.000	89.58	**	95.82	14.76	**	
04/08/92	MW-2	48	13	4.6	17	800		**	10.61	0.000	83.25	**	93.86		**	
09/10/92	MW-2	2	4	ND	ND	ND		**	7.36	0.000	86.50	**	93.86		**	
12/01/92	MW-2	0.6	0.4	ND	0.7	ND		**	7.22	0.000	86.64	**	93.86		**	
10/04/93	MW-2	ND	ND	ND	ND	ND		**	7.43	0.000	86.43	**	93.86	14.18	**	
11/23/93	MW-2	ND	ND	ND	ND	ND		**	7.45	0.000	86.41	**	93.86	14.18	**	
03/25/94	MW-2	ND	ND	ND	ND	ND	ND	**	7.46	0.000	86.40	**	93.86	14.26	**	
04/08/92	MW-3	28	5.1	320	640	21000		**	11.22	0.000	85.97	**	97.19		**	
09/10/92	MW-3	20	22	100	27	8400		**	10.74	0.000	86.45	**	97.19		**	
12/01/92	MW-3	32	2.7	120	29	11000		**	10.76	0.000	86.43	**	97.19		**	
10/04/93	MW-3	15	1	40	9	4800		**	10.85	0.000	86.34	**	97.19	13.36	**	
11/23/93	MW-3	14	0.9	78	19	5500		**	10.94	0.000	86.25	**	97.19	13.34	**	
03/25/94	MW-3	10	ND	58	12	4300	ND	**	10.77	0.000	86.42	**	97.19	13.38	**	
03/25/94	MW-4	ND	ND	ND	ND	ND	ND	**	8.83	0.000	84.34	**	93.17	10.69	**	
03/25/94	MW-5	ND	ND	ND	ND	ND	ND	**	3.50	0.000	88.55	**	92.05	14.20	**	

FIGURES

Figure 1. Site Location Map
Figure 2. Plot Plan
Figure 3. Groundwater Contour Map
Figure 4. Dissolved Hydrocarbon and MTBE Concentration Map

SITE LOCATION MAP

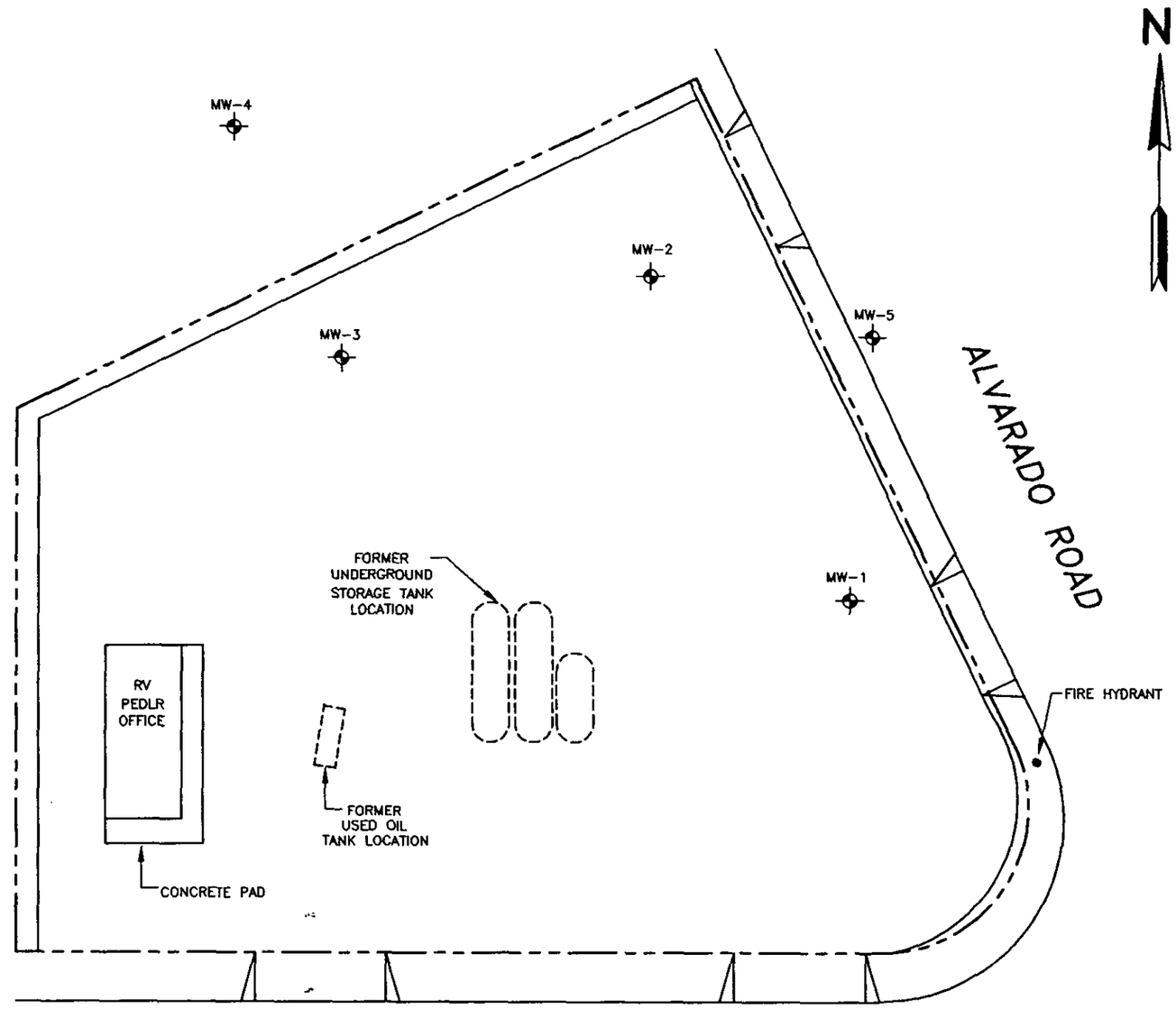


BASE MAP: LA MESA QUADRANGLE

7.5 MINUTES USGS

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA

PROJECT NO.	FIGURE NO.
93.390	1
DRAWN BY	



N

KEY

MW-5 GROUNDWATER MONITORING WELL

SOURCE :

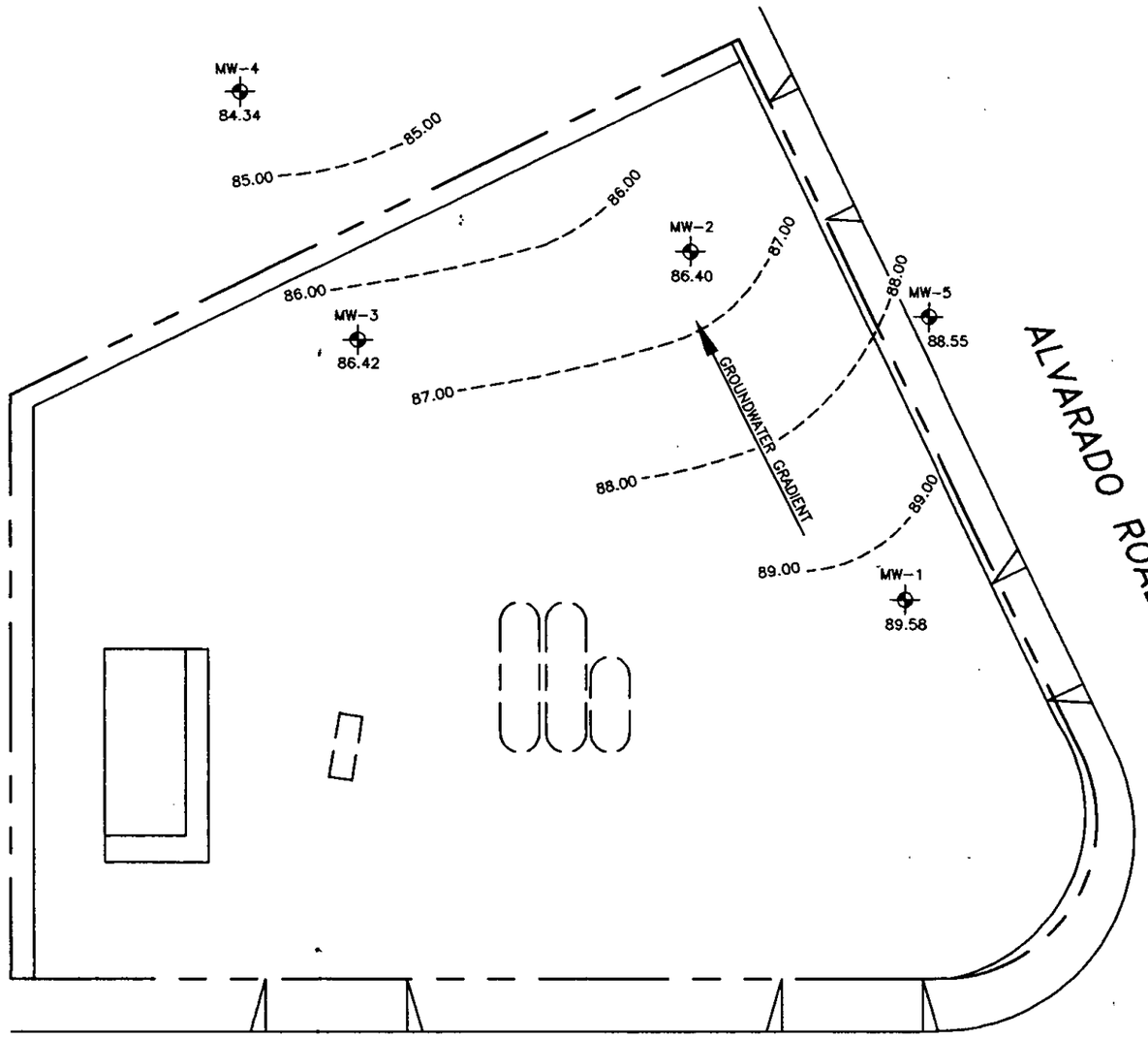
MODIFIED FROM A MAP CREATED BY DELTA ENVIRONMENTAL INC., AND SUPPLIED BY CHEVRON, U.S.A.

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVERADO RD.
LA MESA, CA

PLOT PLAN

	DWG. NO. 39000001	CHKD. BY
Wayne Perry Inc. Environmental Specialists	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 2	DATE 5/6/94



N

KEY

MW-5
88.55
MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL FOR JANUARY THROUGH MARCH 1994.

---- 89.00 ---- GROUNDWATER CONTOUR

CONTOUR INTERVAL = 1.00 FEET

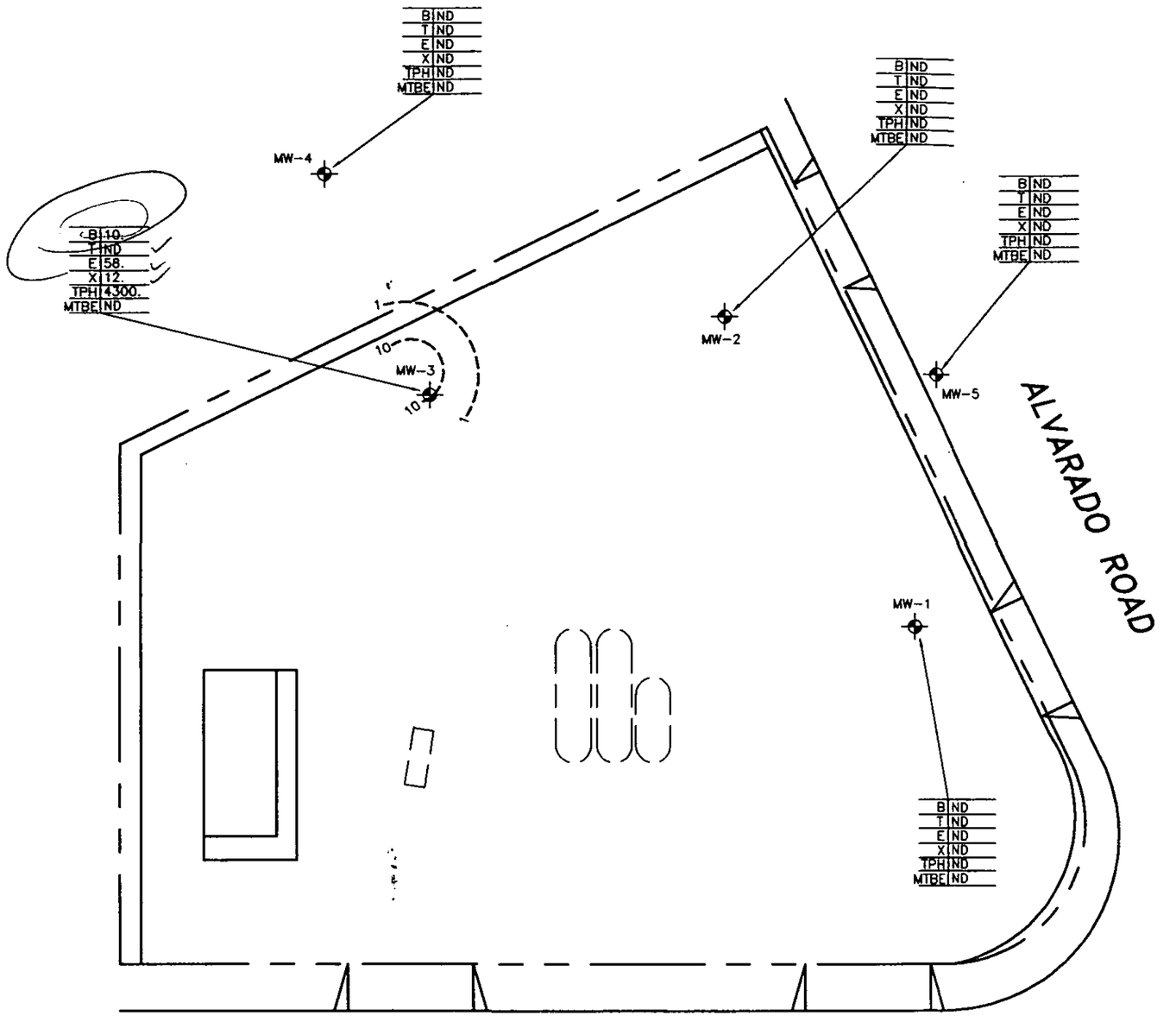
30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVERADO RD.
LA MESA, CA

GROUNDWATER CONTOUR MAP

	DWG. NO. 39000002	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 3	DATE 5/6/94

ENVIRONMENTAL Wayne Perry SPECIALISTS



N

KEY

MW-3 — GROUNDWATER MONITORING WELL SHOWING CONCENTRATIONS OF DISSOLVED HYDROCARBONS AND MTBE IN ug/L.

------ 10 ------ BENZENE CONTOUR IN ug\L

NOTES :

1. DATE OF SAMPLING - 3/25/94
2. ND - NOT DETECTED
3. MTBE - METHYL TERTIARY BUTYL ETHER

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVERADO RD.
LA MESA, CA

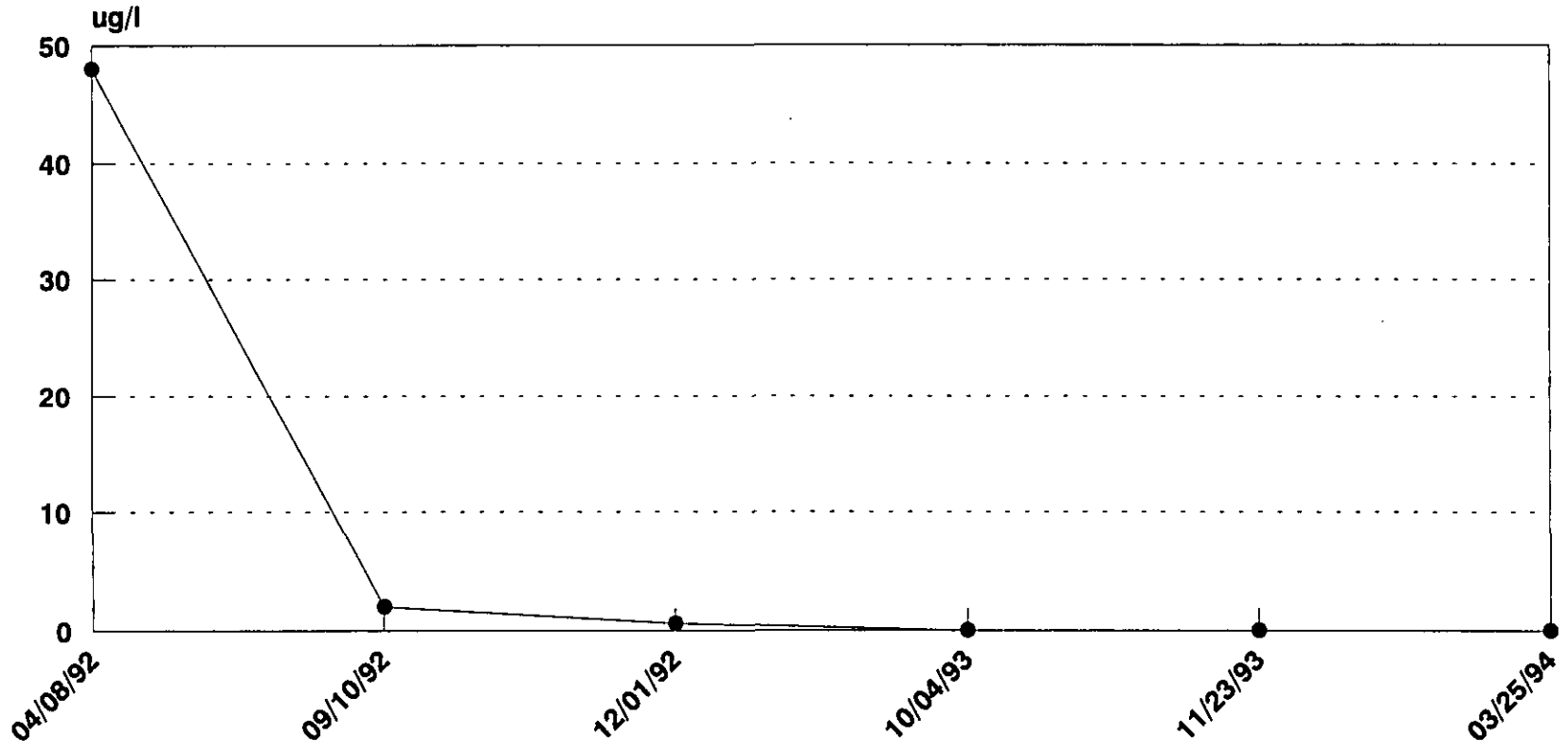
DISSOLVED HYDROCARBON AND MTBE CONCENTRATION MAP

Wayne Perry Environmental Specialists	DWG. NO. 39000003	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 4	DATE 5/6/94

GRAPHS

Graphs 1-2. Benzene Concentrations vs Time
Graph 3. Hydrograph

9-3521 Alvarado Rd/Comanche Dr
Benzene Concentrations Over Time

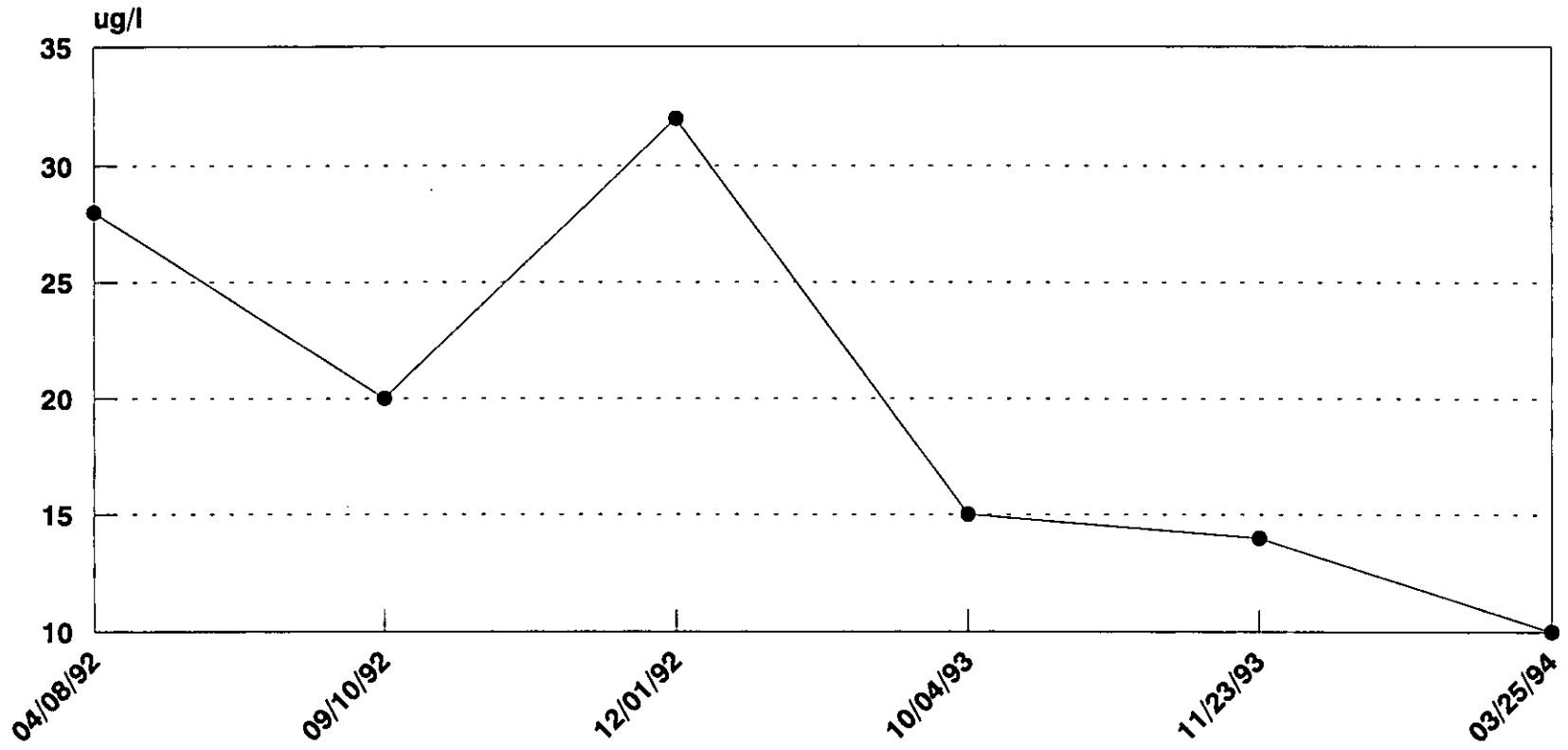


Graph 1

Well MW-2

05/07/94
Project No. 93.390

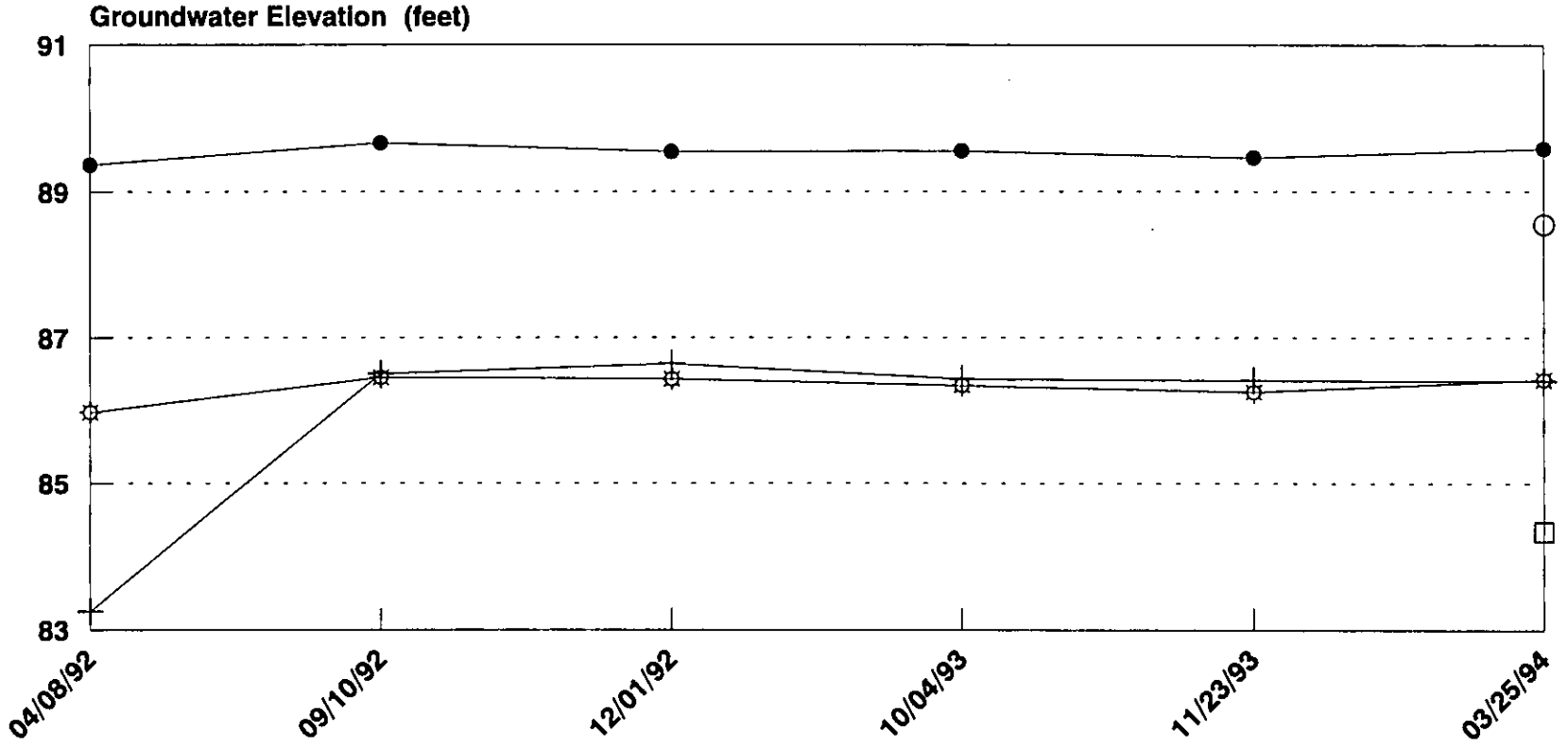
9-3521 Alvarado Rd/Comanche Dr
Benzene Concentrations Over Time



Graph 2

05/07/94
Project No. 93.390

9-3521 Alvarado Rd/Comanche Dr
Hydrograph Over Time



Graph 3

05/07/94
Project No. 93.390

APPENDIX A

Groundwater Sampling Procedures
Field Testing Data

GROUNDWATER SAMPLING PROCEDURES

Prior to sampling, wells were purged of water using a stainless steel bailer. Fast recharging wells were purged of four casing volumes of water. Slow recharging wells were purged until dry and allowed to recover for two hours before sampling. Each casing volume of water was field tested for temperature, pH, and conductivity. Last casing volume was tested for redox potential and dissolved oxygen. Groundwater samples were field tested for turbidity. Field testing data are included in this appendix. Groundwater samples were obtained using a Teflon bailer equipped with a bottom emptying device and placed in VOA bottles with Teflon septums. All purging and sampling equipment was washed in non-phosphate soap and triple rinsed in distilled water between wells to reduce the potential for cross contamination.

In addition to the samples obtained from the wells, a trip blank, field blank, and sample duplicate were prepared to verify the integrity of the field and laboratory procedures. Samples were placed on ice to reduce the potential for volatilization. Samples were transported to a certified laboratory for analyses under strict chain-of-custody procedures.

All groundwater samples were tested for total petroleum hydrocarbons using the California Department of Health Services Test Method 8015-M for gasoline. Samples were also tested for purgeable aromatic and methyl tertiary butyl either compounds using EPA Test Method 602.

CHEVRON U.S.A. PRODUCTS COMPANY
San Diego County Locations

Field Temperature, Conductivity, pH, Turbidity Data, eH, and Dissolved Oxygen

Cross Street: Alvarado/Comanche **Job Number: 93.390**

Date: 03/25/94

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-1							
Purged Water (gallons)	5.30				5.30		Slow recharging well. Duplicate sample obtained.
Temperature (°F)	65						
Conductivity (µs/cm)	1.80						
pH (pH)	6.9						
Turbidity (NTU)						143.6	
eH (mV)	125						
Dissolved Oxygen (ppm)	2.1						

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-2							
Purged Water (gallons)	4	4			8		Slow recharging well.
Temperature (°F)	68	67					
Conductivity (µs/cm)	1.90	1.80					
pH (pH)	6.7	6.8					
Turbidity (NTU)						125.5	
eH (mV)		-0					
Dissolved Oxygen (ppm)		1.3					

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-5							
Purged Water (gallons)	7				7		Slow recharging well.
Temperature (°F)	66						
Conductivity (µs/cm)	2.40						
pH (pH)	7.3						
Turbidity (NTU)						113.9	
eH (mV)	85						
Dissolved Oxygen (ppm)	1.4						

CHEVRON U.S.A. PRODUCTS COMPANY
San Diego County Locations

Field Temperature, Conductivity, pH, Turbidity Data, eH, and Dissolved Oxygen

Cross Street: Alvarado/Comanche **Job Number: 93.390**

Date: 03/25/94

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-4							
Purged Water (gallons)	1.30				1.30		Slow recharging well.
Temperature (°F)	66						
Conductivity (µs/cm)	2.20						
pH (pH)	7.1						
Turbidity (NTU)						>200	
eH (mV)	125						
Dissolved Oxygen (ppm)	1.2						

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
MW-3							
Purged Water (gallons)	1.60				1.60		Slow recharging well.
Temperature (°F)	68						
Conductivity (µs/cm)	2.00						
pH (pH)	6.7						
Turbidity (NTU)						21.6	
eH (mV)	-0						
Dissolved Oxygen (ppm)	0.9						

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Purged Water (gallons)							
Temperature (°F)							
Conductivity (µs/cm)							
pH (pH)							
Turbidity (NTU)							
eH (mV)							
Dissolved Oxygen (ppm)							

APPENDIX B

Laboratory Report
Chain-of-Custody Form

EXCELLENCE IN ANALYSIS

COAST-TO-COAST ANALYTICAL SERVICES, INC.

SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353
FAX (805)389-1438

Lab Number : CK1539
Project : 9-3521, 93-390, Alvarado/Comanche

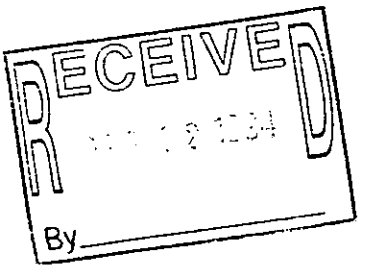
CLIENT: Jeff Cole
Chevron USA, Inc
P.O. Box 2833
La Habra, CA 90632-2833

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
CK1539-1	MW-1	Monitoring Water	Valentin Godoy	03/25/94	03/28/94
CK1539-2	MW-2	Monitoring Water	Valentin Godoy	03/25/94	03/28/94
CK1539-3	MW-5	Monitoring Water	Valentin Godoy	03/25/94	03/28/94
CK1539-4	MW-4	Monitoring Water	Valentin Godoy	03/25/94	03/28/94

CONSTITUENT	UNITS	*PQL	CK1539-1	CK1539-2	CK1539-3	CK1539-4
BTEX + TPH (Gasoline) + MTBE						
Method:			E602/8015M	E602/8015M	E602/8015M	E602/8015M
Analyzed by:			KR	KR	KR	KR
Analyzed on:			04/01/94	04/01/94	04/01/94	04/01/94
Dilution Factor			1.0	1.0	1.0	1.0
Notes:			1	1	1	1
Methyl t-Butyl Ether (MTBE)	ug/L	0.5	ND	ND	ND	ND
Benzene	ug/L	0.3	ND	ND	ND	ND
Toluene	ug/L	0.3	ND	ND	ND	ND
Ethylbenzene	ug/L	0.3	ND	ND	ND	ND
Xylenes (total)	ug/L	0.6	ND	ND	ND	ND
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	ND	ND	ND	ND
Amount Surrogate Spiked	ug/L	10000	10700.	10200.	9900.	10400.
Percent Surrogate Recovery	PERCENT		107.	102.	99.	104.
pH of preserved sample	UNITS	1.	2.	2.	2.	2.

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) EXTRACTED by EPA 5030 (purge-and-trap)
04/07/94
GC3/K3C0917
MH/gps/khr
CK15323091Z
CC: Truedi Balsitis
Wayne Perry Construction, Inc.
8301 West Commonwealth Avenue
Buena Park, CA 90621-2584



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EXCELLENCE IN ANALYSIS

COAST-TO-COAST ANALYTICAL SERVICES, INC.

SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353
FAX (805)389-1438

Lab Number : CK1539
Project : 9-3521, 93-390, Alvarado/Comanche

CLIENT: Jeff Cole
Chevron USA, Inc
P.O. Box 2833
La Habra, CA 90632-2833

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
CK1539-5	MW-3	Monitoring Water	Valentin Godoy	03/25/94	03/28/94
CK1539-6	Trip Blank	Monitoring Water	Valentin Godoy	03/25/94	03/28/94
CK1539-7	Duplicate	Monitoring Water	Valentin Godoy	03/25/94	03/28/94

CONSTITUENT	UNITS	*PQL	CK1539-5	CK1539-6	CK1539-7
BTEX + TPH (Gasoline) + MTBE					
Method:			E602/8015M	E602/8015M	E602/8015M
Analyzed by:			KR	KR	KR
Analyzed on:			04/01/94	04/01/94	04/01/94
Dilution Factor			1.0	1.0	1.0
Notes:			1,2	1	1
Methyl t-Butyl Ether (MTBE)	ug/L	0.5	ND	ND	ND
Benzene	ug/L	0.3	10.	ND	ND
Toluene	ug/L	0.3	ND	ND	ND
Ethylbenzene	ug/L	0.3	58.	ND	ND
Xylenes (total)	ug/L	0.6	12.	ND	ND
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	4300.	ND	ND
Amount Surrogate Spiked	ug/L	10000	10300.	11800.	10000.
Percent Surrogate Recovery	PERCENT		103.	118.	100.
pH of preserved sample	UNITS	1.	2.	2.	2.

Lab Certifications: CAELAP #1598 & #1783; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) EXTRACTED by EPA 5030 (purge-and-trap)
(2) Not a typical gasoline pattern.

04/07/94
GC3/K3C09112
MH/gps/khr
CK15323091Z
CC: Truedi Balsitis
Wayne Perry Construction, Inc.
8301 West Commonwealth Avenue
Buena Park, CA 90621-2584

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President

RECEIVED
APR 12 1994
By

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EXCELLENCE IN ANALYSIS

COAST-TO-COAST ANALYTICAL SERVICES, INC.

SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353
FAX (805)389-1438

QC Batch ID: CK153230912

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 04/01/94
Analyzed by: KR
Method : E602/8015M

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
METHOD BLANK	Aqueous			

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.3	ND	
Toluene		0.3	ND	
Ethylbenzene		0.3	ND	
Xylenes (total)		0.6	ND	
Total Petroleum Hydrocarbons (Gasoline)		500.	ND	
Amount Surrogate Spiked		10000	9700.	
Percent Surrogate Recovery			97.	

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

RECEIVED
MAY 17 1994
By

05/16/94
GC3/K3C09034
KHR/gps/khr
CK1532-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Karen H. Ryan
Group Leader

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EXCELLENCE IN ANALYSIS

COAST-TO-COAST ANALYTICAL SERVICES, INC.

SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93012 FAX (805)389-1438

QC Batch ID: CK15323091Z

CLIENT: Coast-to-Coast Analytical Services, Inc.

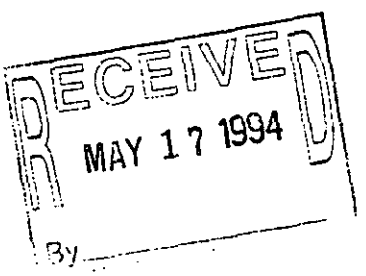
Analyzed : 04/01/94
Analyzed by: KR
Method : E602/8015M

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
MATRIX SPIKE	Aqueous			

CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	NOTE
BTEX + TPH (Gasoline)					1
Benzene	ND	24.	27.	113.	
Toluene	ND	170.	200.	118.	
Ethylbenzene	ND	35.	38.	109.	
Xylenes (total)	ND	240.	260.	108.	
Total Petroleum Hydrocarbons (Gasoline)	ND	2000.	2200.	110.	

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)



05/16/94
GC3/K3C09044
KHR/gps/khr
CK1532-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Karen H. Ryan
Group Leader

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EXCELLENCE IN ANALYSIS

COAST-TO-COAST ANALYTICAL SERVICES, INC.

SoCal Division (Camarillo Laboratory)
4765 Calle Quetzal, Camarillo, California 93012

(805) 389-1353
FAX (805)389-1438

QC Batch ID: CK153230912

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 04/01/94
Analyzed by: KR
Method : E602/8015M

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
MATRIX SPIKE DUPLICATE	Aqueous			

CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	%DIFF	NOTE
BTEX + TPH (Gasoline)						1
Benzene	ND	24.	25.	104.	7.7	
Toluene	ND	170.	190.	112.	5.1	
Ethylbenzene	ND	35.	35.	100.	8.2	
Xylenes (total)	ND	240.	250.	104.	3.9	
Total Petroleum Hydrocarbons (Gasoline)	ND	2000.	2100.	105.	4.7	

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)

RECEIVED
MAY 17 1994

05/16/94
GC3/K3C09045
KHR/gps/khr
CK1532-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Karen H. Ryan
Group Leader

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CHEVRON USA, Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

Project Name Alvarado/Comanche
Project I.D. No. 93-390
Consultant Name WAYNE PERRY CONSTRUCTION, INC.
Address 8281 COMMONWEALTH, BUENA PARK, CA
Project Contact (Name) TRUEDI
(Phone) 714/826-0352
Chevron Facility No. 7-3521
Chevron Contact (Name) Jeff Cole
(Phone)

Laboratory Name Coast to Coast
Contact Number
Collected By (Name) Valentin Godoy
(Signature) Valentin Godoy
Collection Date 3-25-94

CHAIN-OF-CUSTODY RECORD

RECEIVED BY

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB. GAS	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE MTBE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS CK-1539
✓ mt-1		2		X			3/25/94	4:26	Yes	Yes		X		X							1
✓ mt-2		2		X				4:30				X		X							2
✓ mt-5		2		X				4:35				X		X							3
✓ mt-4		2		X				4:40				X		X							4
✓ mt-3		2		X				4:45				X		X							5
✓ T-B		2		X								X		X							6
✓ Duplicate		2		X								X		X							7

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Valentin G	WPC	3/25/94 3:46	K Cole	WPC	3.25.94 3:46
K Cole	WPC	3.28.94 2:50	David Rodriguez	CeAS	3/28 1530
David Rodriguez	CeAS	3/29 1000	CASEY OWEN		3/29/94 1000

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS
48 HRS
10 DAYS

January 18, 1994

Transmittal of Monitoring Report

RECEIVED
JAN 20 11 00 AM '94
ENVIRONMENTAL
HEALTH SERVICES

SA/M# H12687
Chevron Project #93521
7651 Alvarado
La Mesa, California 92041

Chevron

Chevron U.S.A. Products Company
Marketing Department
1300 South Beach Boulevard
Building 4516
La Habra, California
P.O. Box 2833
La Habra, CA 90632-2833
Phone 310 694 7300

Mr. Michael Porter
County of San Diego
Environmental Health Services
Site Assessment/ Mitigation Unit
P.O. Box 85261
San Diego, CA 92138-5261

Dear Mr. Porter:

Enclosed please find a copy of the *Quarterly Monitoring Report* for the above referenced facility for the fourth quarter of 1993. If you have any questions please contact me at (310) 694-7969.

Sincerely,

REGISTERED GEOLOGIST
JEFFREY E. COLE
No. 5370
STATE OF CALIFORNIA

Jeffrey E. Cole
Environmental Project Manager
Registered Geologist #5370

Enclosure

cc: Mr. V. Rodriguez California Regional Water Quality Control

Recycled
Recyclable

PREPARED FOR: Mr. Jeffrey Cole
Chevron U.S.A., Inc.
1300 South Beach Boulevard
La Habra, California 90631

QUARTERLY MONITORING REPORT
OCTOBER 1 THROUGH DECEMBER 31, 1993
FORMER CHEVRON SERVICE STATION # 9-3521
7651 Alvarado Road
La Mesa, California

DECEMBER 31, 1993

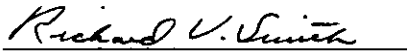
PREPARED BY: WAYNE PERRY CONSTRUCTION, INC.
8301 West Commonwealth Avenue
Buena Park, California 90621

WRITTEN BY:



VLADIMIR A. MARIENKO
Staff Geologist

REVIEWED BY:



RICHARD V. SMITH
Registered Geologist
No. 5014

Project No. 93.390

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION *1*
ANALYTICAL RESULTS SUMMARY *1*
CONCLUSIONS *2*

LIST OF TABLES

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TABLE 2 *HISTORIC GROUNDWATER ANALYSES AND GAUGING RESULTS*

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FIGURE 2 *PLOT PLAN*
FIGURE 3 *GROUNDWATER CONTOUR MAP*
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GRAPH 3 *HYDROGRAPH*

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APPENDIX A *GROUNDWATER SAMPLING PROCEDURES*
FIELD TESTING DATA

APPENDIX B *LABORATORY REPORT*
CHAIN-OF-CUSTODY FORM

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION

Enclosed is the quarterly monitoring report for former Chevron Station No. 9-3521 located at 7651 Alvarado Road in the city of La Mesa(Figures 1 and 2). This report updates groundwater monitoring activities performed between October 1 and December 31, 1993.

On November 23, 1993 monitoring wells MW-1 through MW-3 were gauged and sampled. Samples were obtained sequentially from wells MW-1, MW-2, and MW-3 in order of increasing dissolved hydrocarbons as determined from previous laboratory analyses. A description of groundwater sampling procedures is presented in Appendix A. Gauging data are presented in Table 1 and were used to derive a groundwater contour map (Figure 3).

Purged groundwater was placed in drums and subsequently, transported under a Non-hazardous Data Form to the Gibson Facility in Bakersfield for recycling.

ANALYTICAL RESULTS SUMMARY

A duplicate sample from monitoring well MW-2 and trip blank were prepared and analyzed to verify the integrity of field and laboratory procedures. All groundwater and blank samples were tested for total petroleum hydrocarbons - gasoline using the California Department of Health Services Test Method 8015-M and purgeable aromatics using EPA Test Method 602. A copy of the laboratory report and chain-of-custody form are included in Appendix B. Results of the laboratory analyses for samples obtained on November 23, 1993 are provided in Table 1. A summary of groundwater analyses is presented in Table 2.

Dissolved hydrocarbons were not detected in the sample and duplicate from well MW-2.

Results of the laboratory analyses indicate the concentration of TPH-gasoline was 5,500 ug/l in the sample from well MW-3. The concentration of benzene was 14 ug/l in the sample from well MW-3. Dissolved hydrocarbons were not detected in samples from wells MW-1 and MW-2. Concentrations of dissolved hydrocarbons are shown on Figure 4.

CONCLUSIONS

Comparison of laboratory data from the previous monitoring episode indicates concentrations of dissolved hydrocarbons increased in the sample from well MW-3. Dissolved hydrocarbons continued to be below detection limits in samples from wells MW-1 and MW-2. The highest levels of dissolved hydrocarbons were present in the sample from well MW-3. Benzene exceeded action levels in the sample from well MW-3. Benzene concentrations over time are shown on Graphs 1 and 2.

Groundwater elevations decreased by 0.07 feet in well MW-1 through MW-3 as compared to the previous monitoring episode. Groundwater elevations over time are shown on Graph 3. The direction of groundwater flow was toward the northwest at a gradient of 0.04 foot per foot.

o o O o o

This report has been prepared for the exclusive use of Chevron U.S.A., Inc. as it pertains to their site located at 7651 Alvarado Road, La Mesa, California. No warranty, expressed or implied, is made as to the professional advice in this report.

TABLES

Table 1. Groundwater Analyses and Gauging Results
Table 2. Historic Groundwater Analyses and Gauging Results

CHEVRON U.S.A., INC.
93.390 ALVARADO RD/COMANCHE DR

TABLE 1. WATER ANALYSES AND GAUGING RESULTS FOR FORMER
CHEVRON STATION # 9-3521 SAMPLED ON NOVEMBER 23, 1993

WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	COMMENTS
ND=	<0.3	<0.3	<0.3	<0.6	<500						
MW-1	ND	ND	ND	ND	ND	6.36	0.000	89.46	95.82	14.71	
MW-2	ND	ND	ND	ND	ND	7.45	0.000	86.41	93.86	14.18	
MW-3	14	0.9	78	19	5500	10.94	0.000	86.25	97.19	13.34	

CHEVRON U.S.A., INC.
93.390 ALVARADO RD/COMANCHE DR

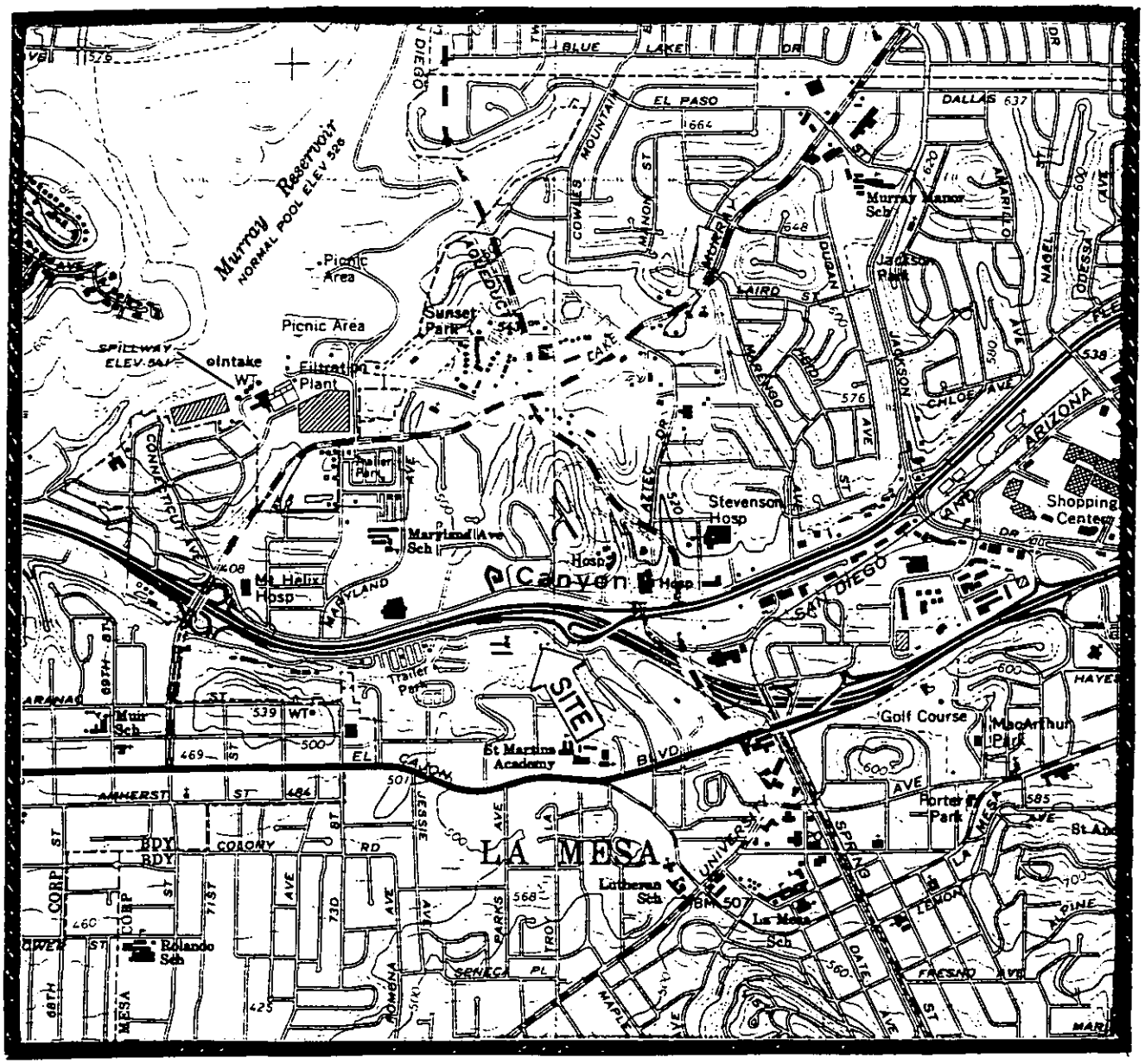
TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	COMMENTS
04/08/92	MW-1	ND	ND	ND	ND	ND	6.46	0.000	89.36	95.82		
09/10/92	MW-1	ND	ND	ND	ND	ND	6.16	0.000	89.66	95.82		
12/01/92	MW-1	ND	ND	ND	ND	ND	6.28	0.000	89.54	95.82		
10/04/93	MW-1	ND	ND	ND	ND	ND	6.27	0.000	89.55	95.82	14.74	
11/23/93	MW-1	ND	ND	ND	ND	ND	6.36	0.000	89.46	95.82	14.71	
04/08/92	MW-2	48	13	4.6	17	800	10.61	0.000	83.25	93.86		
09/10/92	MW-2	2	4	ND	ND	ND	7.36	0.000	86.50	93.86		
12/01/92	MW-2	0.6	0.4	ND	0.7	ND	7.22	0.000	86.64	93.86		
10/04/93	MW-2	ND	ND	ND	ND	ND	7.43	0.000	86.43	93.86	14.18	
11/23/93	MW-2	ND	ND	ND	ND	ND	7.45	0.000	86.41	93.86	14.18	
04/08/92	MW-3	28	5.1	320	640	21000	11.22	0.000	85.97	97.19		
09/10/92	MW-3	20	22	100	27	8400	10.74	0.000	86.45	97.19		
12/01/92	MW-3	32	2.7	120	29	11000	10.76	0.000	86.43	97.19		
10/04/93	MW-3	15	1	40	9	4800	10.85	0.000	86.34	97.19	13.36	
11/23/93	MW-3	14	0.9	78	19	5500	10.94	0.000	86.25	97.19	13.34	

FIGURES

Figure 1. Site Location Map
Figure 2. Plot Plan
Figure 3. Groundwater Contour Map
Figure 4. Dissolved Hydrocarbon Concentration Map

SITE LOCATION MAP



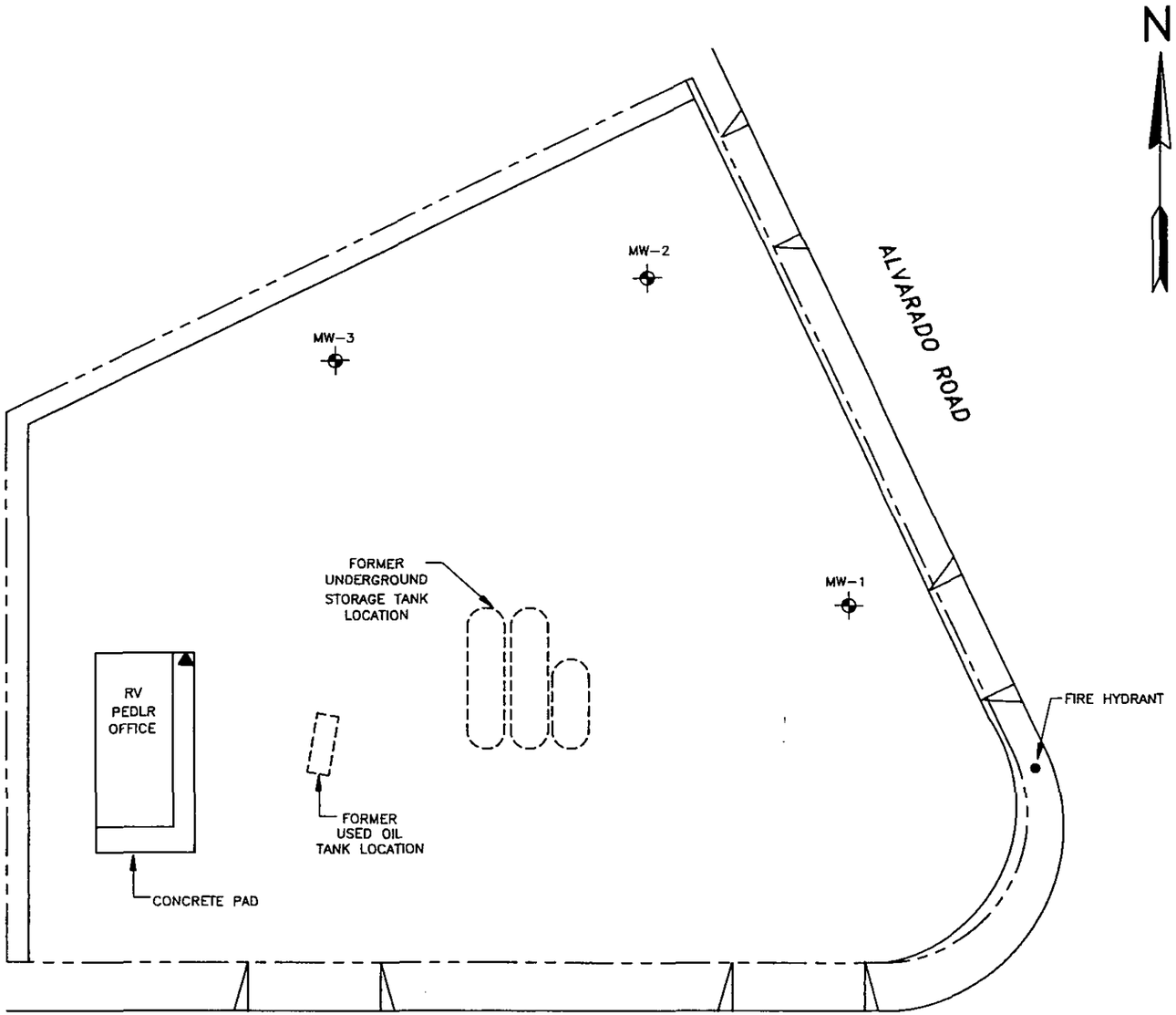
BASE MAP: LA MESA QUADRANGLE

7.5 MINUTES USGS

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA

PROJECT NO.	FIGURE NO.
93.390	1
DRAWN BY	

PLOT PLAN



KEY

MW-3 GROUNDWATER MONITORING WELL

SOURCE :

MODIFIED FROM A MAP CREATED BY DELTA ENVIRONMENTAL INC., AND SUPPLIED BY CHEVRON, U.S.A.

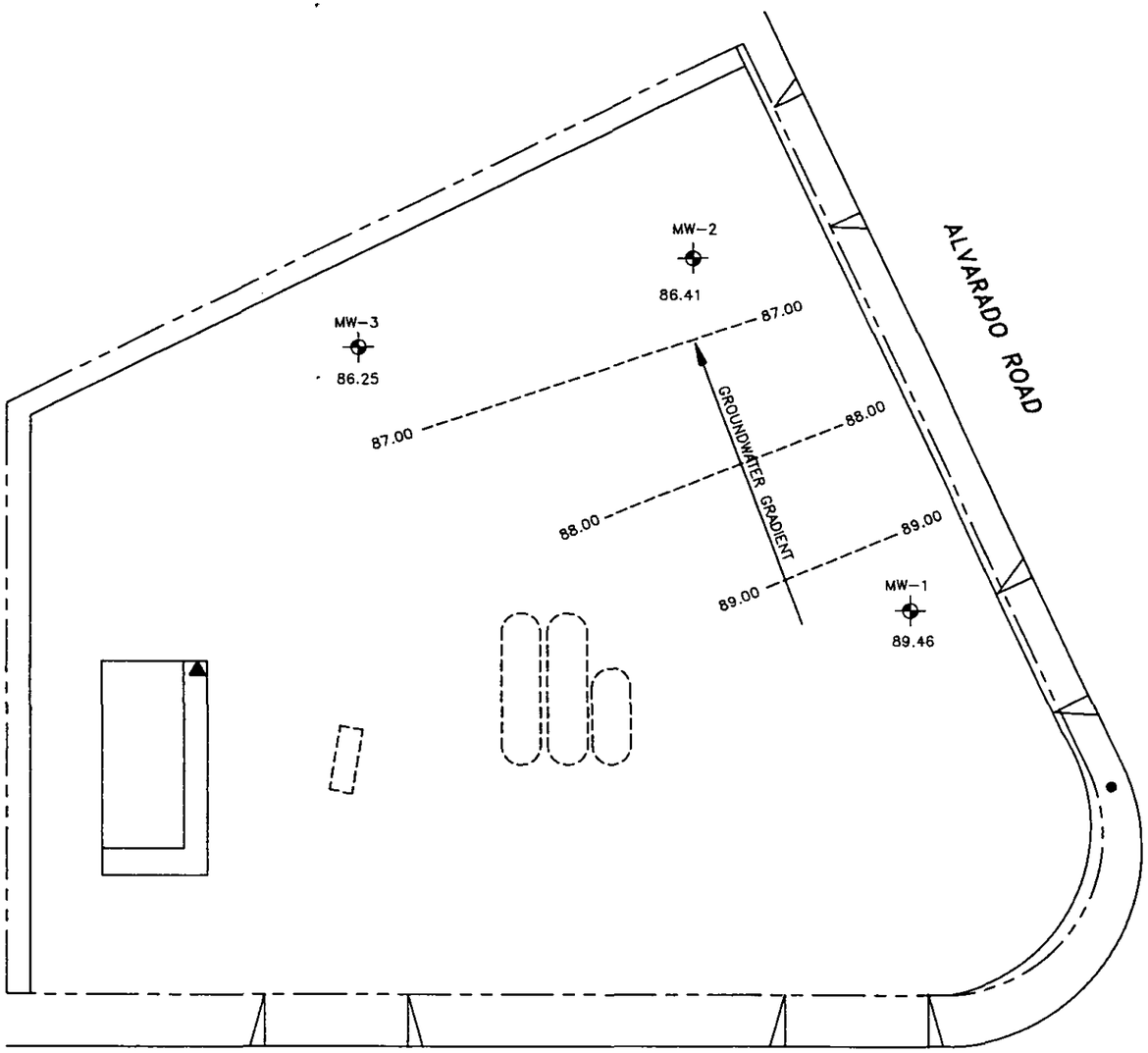
30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA
39000001

PROJ. NO.	FIG. NO.
93.390	2
DRAWN BY: Ward Provance	DATE: 11/10/93

ENVIRONMENTAL SPECIALISTS Wayne Perry

GROUNDWATER CONTOUR MAP



N

KEY

MW-3
86.25
MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL FOR OCTOBER THROUGH DECEMBER 1993.

----- 89.00 ----- GROUNDWATER CONTOUR

CONTOUR INTERVAL = 1.0 FEET

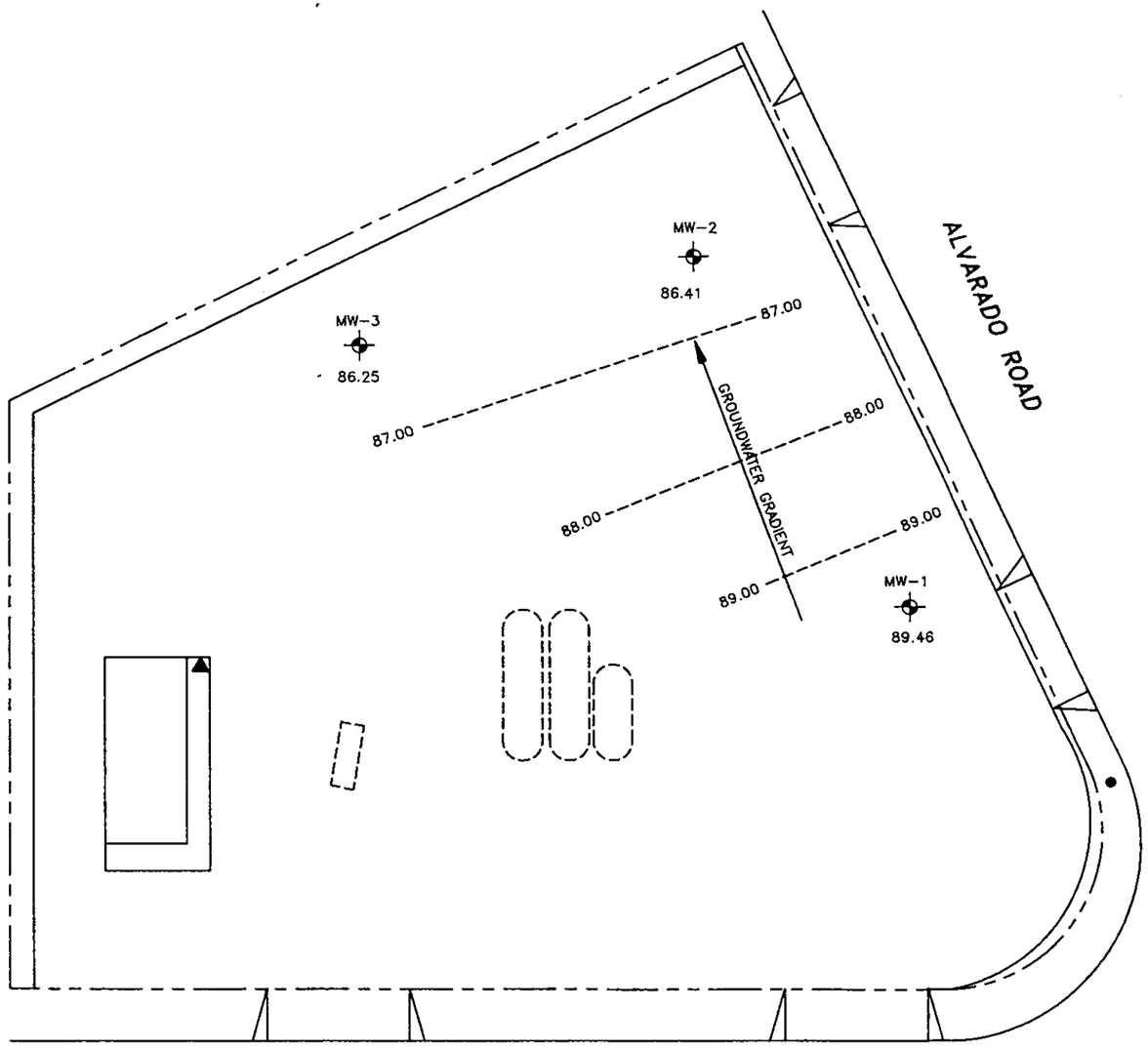
30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA
39000002

PROJ. NO.	FIG. NO.
93.390	3
DRAWN BY: Ward Provance	DATE: 12/28/93

ENVIRONMENTAL SPECIALISTS — WaynePerry

GROUNDWATER CONTOUR MAP



KEY

MW-3
86.25
MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL FOR OCTOBER THROUGH DECEMBER 1993.

----- 89.00 ----- GROUNDWATER CONTOUR

CONTOUR INTERVAL = 1.0 FEET

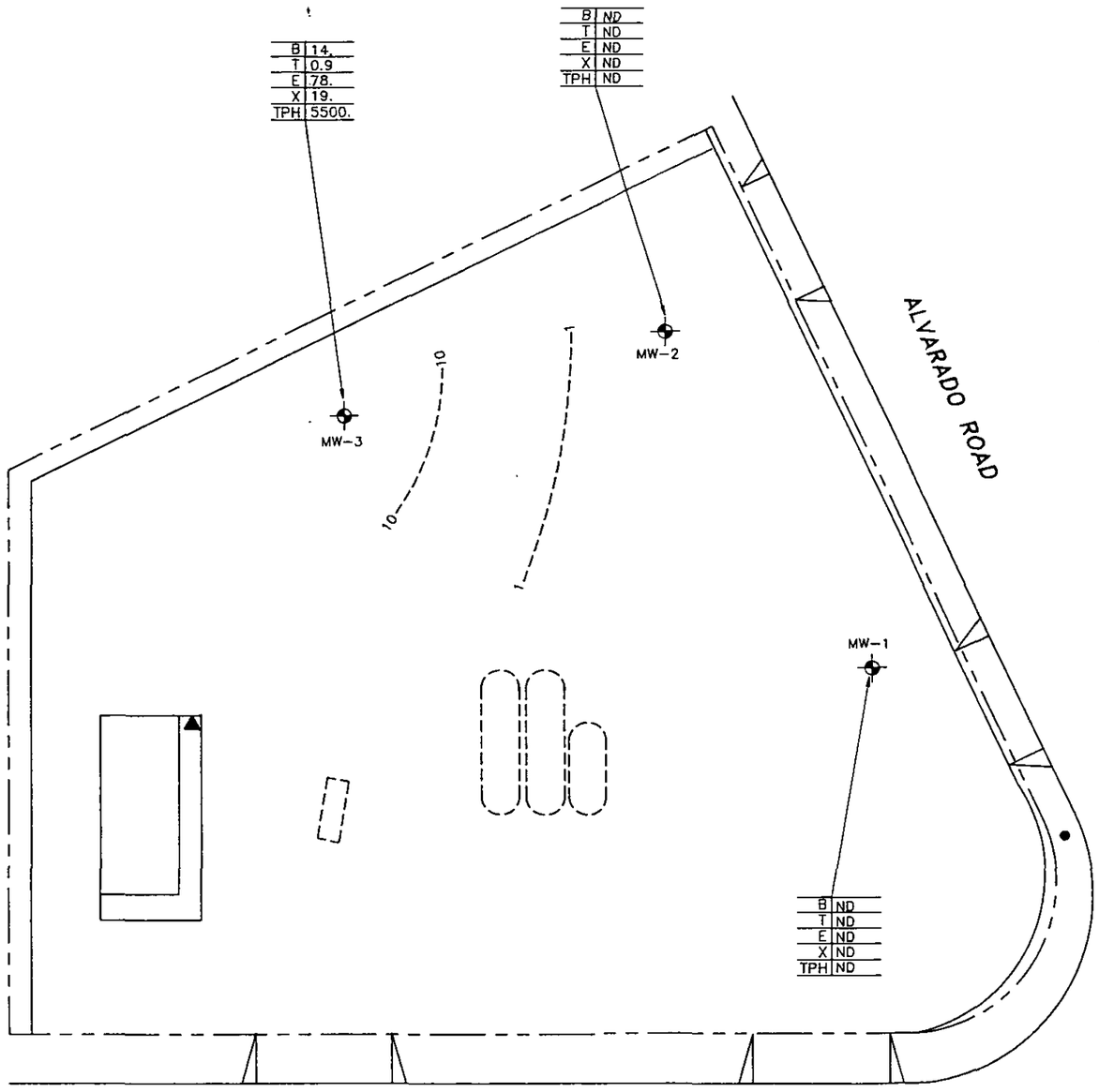
30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA
39000002

PROJ. NO.	FIG. NO.
93.390	3
DRAWN BY: Ward Provance	DATE: 12/28/93

ENVIRONMENTAL SPECIALISTS — Wayne Perry

DISSOLVED HYDROCARBON CONCENTRATION MAP



N

KEY

MW-3 — GROUNDWATER MONITORING WELL SHOWING CONCENTRATIONS OF DISSOLVED HYDROCARBONS IN ug/L.

---- 10 ---- BENZENE CONTOUR IN ug/L.

NOTES :
1. DATE OF SAMPLING - 11/23/93
2. ND - NOT DETECTED

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA
39000003

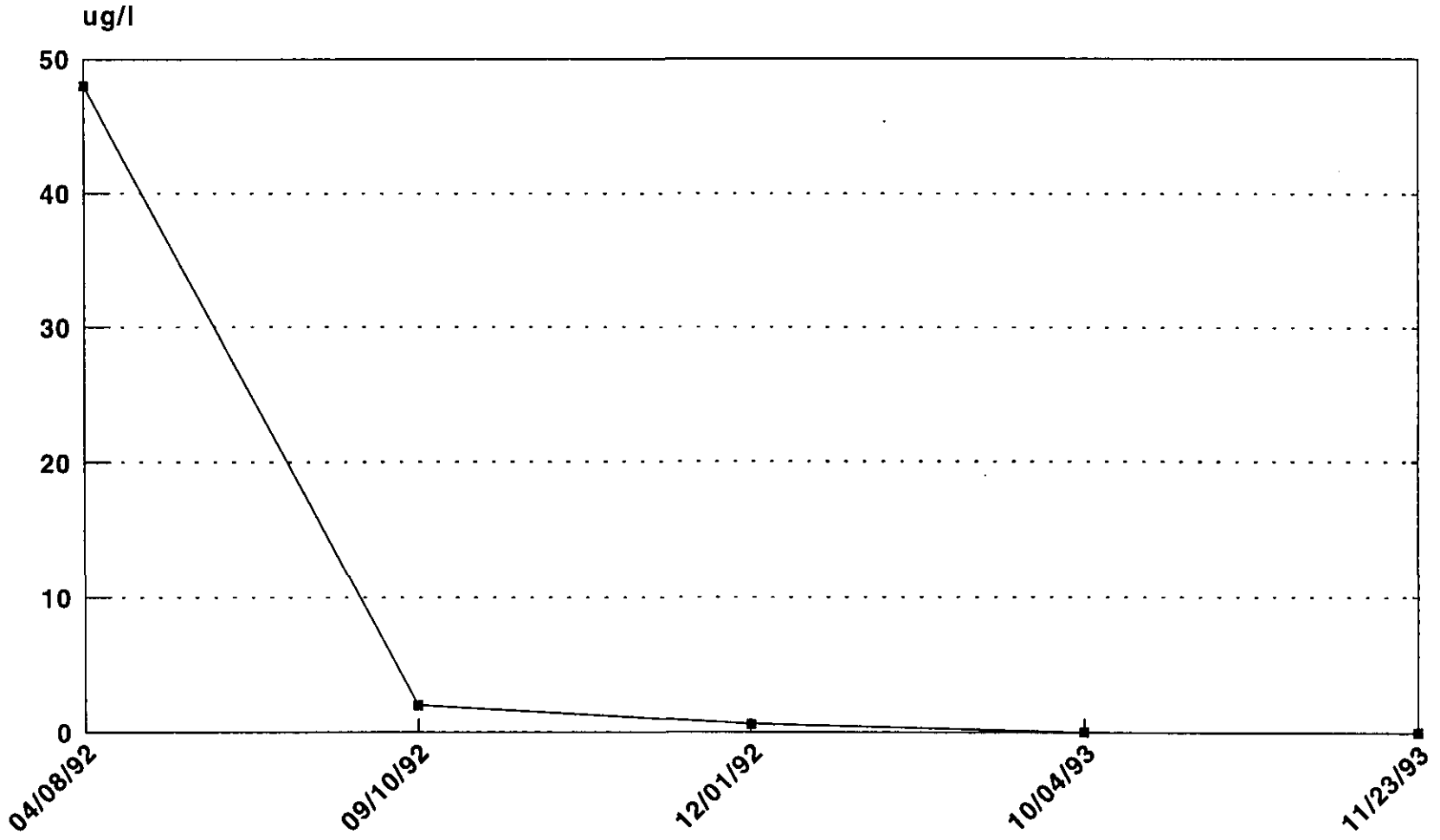
PROJ. NO.	FIG. NO.
93.390	4
DRAWN BY: Ward Provance	DATE: 12/28/93

ENVIRONMENTAL SPECIALISTS — Wayne Perry

GRAPHS

Graphs 1-2. Benzene Concentrations vs Time
Graph 3. Hydrograph

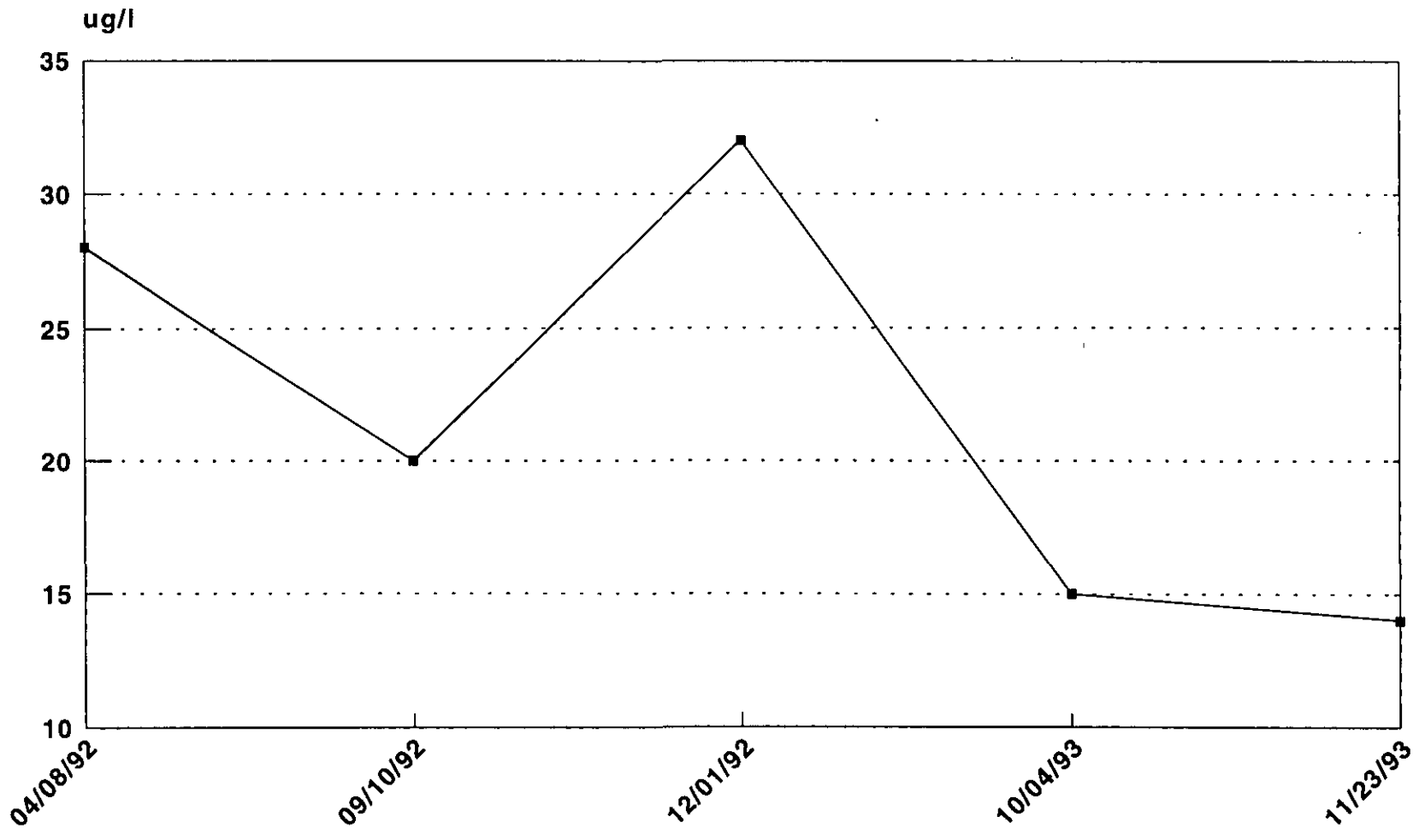
9-3521 Alvarado Rd/Comanche Dr
Benzene Concentrations Over Time



Graph 1

12/22/93
Project No. 93.390

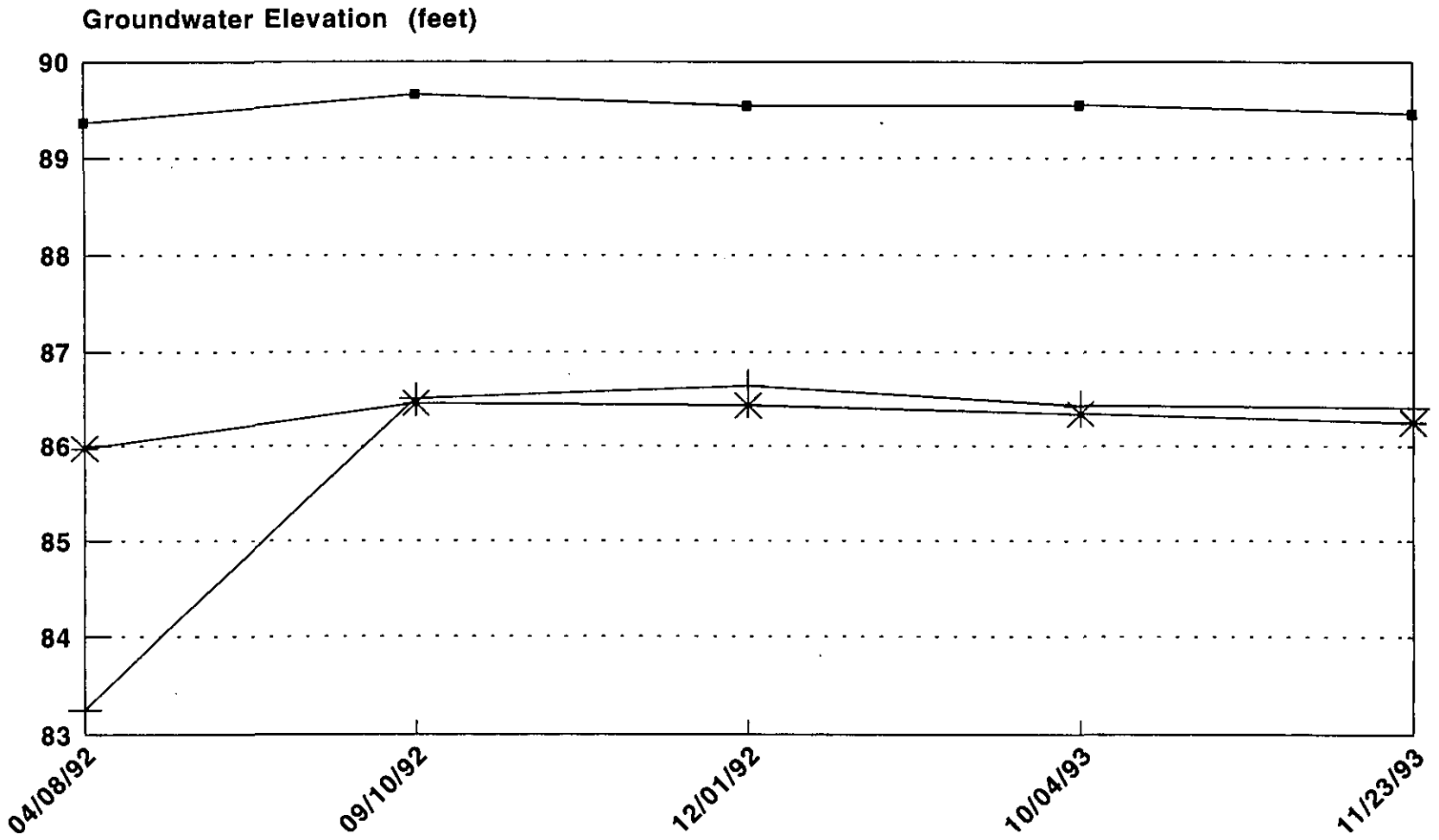
9-3521 Alvarado Rd/Comanche Dr
Benzene Concentrations Over Time



Graph 2

12/22/93
Project No. 93.390

9-3521 Alvarado Rd/Comanche Dr
Hydrograph Over Time



Graph 3

12/22/93
Project No. 93.390

APPENDIX A

Groundwater Sampling Procedures
Field Testing Data

GROUNDWATER SAMPLING PROCEDURES

Prior to sampling, wells were purged of water using a stainless steel bailer. Fast recharging wells were purged of three casing volumes of water. Slow recharging wells were purged until dry and allowed to recover for two hours before sampling. Each casing volume of water was field tested for temperature, pH, and conductivity. Groundwater samples were field tested for turbidity. Field testing data are included in this appendix. Groundwater samples were obtained using a Teflon bailer equipped with a bottom emptying device and placed in VOA bottles with Teflon septums. All purging and sampling equipment was washed in non-phosphate soap and triple rinsed in distilled water between wells to reduce the potential for cross contamination.

In addition to the samples obtained from the wells, a trip blank, field blank, and sample duplicate were prepared to verify the integrity of the field and laboratory procedures. Samples were placed on ice to reduce the potential for volatilization. Samples were transported to a certified laboratory for analyses under strict chain-of-custody procedures.

All groundwater samples were tested for total petroleum hydrocarbons using the California Department of Health Services Test Method 8015-M for gasoline. Samples were also tested for purgeable aromatic compounds using EPA Test Method 602.

CHEVRON U.S.A.

Field Temperature, Conductivity, pH and Turbidity Data

Cross Street: Alvarado/Comanche **Job Number: 93.390**

Date: 11/23/93

Well #	Casing 1	Casing 2	Casing 3	Total Purged	Sample	Comments
MW-1						
Purged Water (gallons)	5.5	5.5		11		Slow recharging well.
Temperature (°F)	74	74				
Conductivity (µs/cm)	1.20	1.10				
pH (pH)	6.6	6.8				
Turbidity (NTU)					162.6	

Well #	Casing 1	Casing 2	Casing 3	Total Purged	Sample	Comments
MW-2						
Purged Water (gallons)	4.5	4.5		9		Slow recharging well. Duplicate sample obtained.
Temperature (°F)	76	76				
Conductivity (µs/cm)	1.10	1.10				
pH (pH)	6.6	6.7				
Turbidity (NTU)					95.2	

Well #	Casing 1	Casing 2	Casing 3	Total Purged	Sample	Comments
MW-3						
Purged Water (gallons)	1.5	1.5		3		Slow recharging well.
Temperature (°F)	73	73				
Conductivity (µs/cm)	1.20	1.20				
pH (pH)	6.5	6.6				
Turbidity (NTU)					98.4	

APPENDIX B

Laboratory Report
Chain-of-Custody Form

COAST-TO-COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
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SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93012 FAX (805) 389-1438

Lab Number : CJ5612
Project : 9-3521,93.390,Alvarado/Comanche

CLIENT: Jeff Cole
Chevron USA, Inc
P.O. Box 2833
La Habra, CA 90632-2833

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
CJ5612-1	MW-1	Aqueous	Rosalio Ramos	11/23/93	11/24/93
CJ5612-2	MW-2	Aqueous	Rosalio Ramos	11/23/93	11/24/93
CJ5612-3	MW-3	Aqueous	Rosalio Ramos	11/23/93	11/24/93
CJ5612-4	Duplicate	Aqueous	Rosalio Ramos	11/23/93	11/24/93

CONSTITUENT	UNITS	*PQL	CJ5612-1	CJ5612-2	CJ5612-3	CJ5612-4
BTEX + TPH (Gasoline)						
Method:			E602/8015M	E602/8015M	E602/8015M	E602/8015M
Analyzed by:			KR	KR	KR	KR
Analyzed on:			12/01/93	12/01/93	12/01/93	12/01/93
Dilution Factor			1.0	1.0	1.0	1.0
Notes:			1	1	1	1
Benzene	ug/L	0.3	ND	ND	14.	ND
Toluene	ug/L	0.3	ND	ND	0.9	ND
Ethylbenzene	ug/L	0.3	ND	ND	78.	ND
Xylenes (total)	ug/L	0.6	ND	ND	19.	ND
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	ND	ND	5500.	ND
Amount Surrogate Spiked	ug/L	10000	11000.	10700.	10900.	11300.
Percent Surr. Recovery	PERCENT		110.	107.	109.	113.
pH of preserved sample	UNITS	1.	2.	2.	7.	7.

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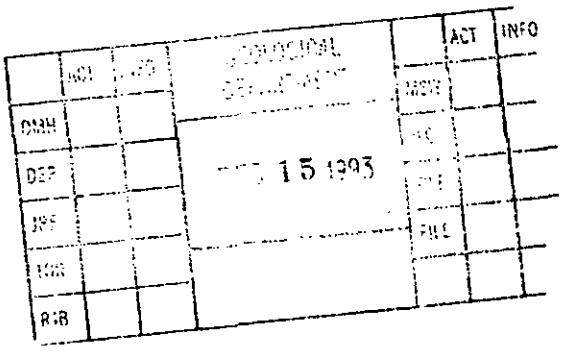
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) EXTRACTED by EPA 5030 (purge-and-trap)



12/07/93
GC3/K3C33521
MH/gps/khr
CJ56121336Z
CC: Truedi Balsitis
Wayne Perry Construction, Inc.
8301 West Commonwealth Avenue
Buena Park, CA 90621-2584

COAST-TO-COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93012 FAX (805) 389-1438

Lab Number : CJ5612
Project : 9-3521,93.390,Alvarado/Comanche

CLIENT: Jeff Cole
Chevron USA, Inc
P.O. Box 2833
La Habra, CA 90632-2833

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	RECEIVED
CJ5612-5	Trip Blank Client Supplied	Aqueous	Rosalio Ramos	11/23/93	11/24/93

CONSTITUENT	UNITS	*PQL	CJ5612-5
BTEX + TPH (Gasoline)			
Method:			E602/8015M
Analyzed by:			KR
Analyzed on:			12/01/93
Dilution Factor			1.0
Notes:			1
Benzene	ug/L	0.3	ND
Toluene	ug/L	0.3	ND
Ethylbenzene	ug/L	0.3	ND
Xylenes (total)	ug/L	0.6	ND
Total Petroleum Hydrocarbons (Gasoline)	ug/L	500.	ND
Amount Surrogate Spiked	ug/L	10000	10700.
Percent Surr. Recovery	PERCENT		107.
pH of preserved sample	UNITS	1.	2.

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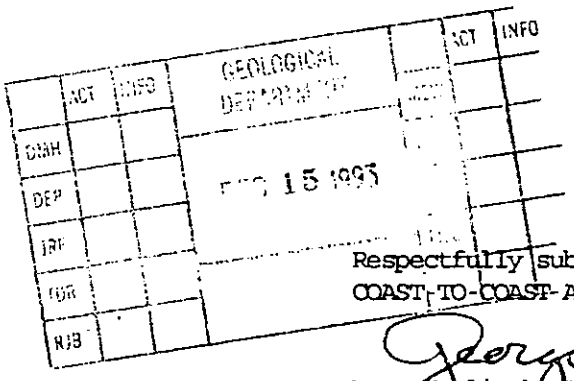
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) EXTRACTED by EPA 5030 (purge-and-trap)



12/07/93
GC3/K3C33520
MH/gps/khr
CJ56121336Z
CC: Truedi Balsitis
Wayne Perry Construction, Inc.
8301 West Commonwealth Avenue
Buena Park, CA 90621-2584

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President

COAST-TO-COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93012 FAX (805)389-1438

QC Batch ID: CJ56121336Z

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 12/01/93
Analyzed by: KR
Method : E602/8015M

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
METHOD BLANK	Aqueous			

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.3	ND	
Toluene		0.3	ND	
Ethylbenzene		0.3	ND	
Xylenes (total)		0.6	ND	
Total Petroleum Hydrocarbons (Gasoline)		500.	ND	
Amount Surrogate Spiked		10000	10600.	
Percent Surr. Recovery			106.	

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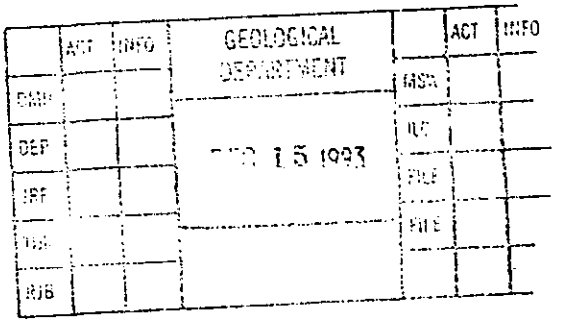
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)



12/07/93
GC3/K3C3352
MH/gps/khr
CJ5612-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President

COAST-TO-COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
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SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93012 FAX (805)389-1438

QC Batch ID: CJ56121336Z

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 12/02/93
Analyzed by: KR
Method : E602/8015M

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED
MATRIX SPIKE	Aqueous		

CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	NOTE
BTEX + TPH (Gasoline)					1
Benzene	ND	23.	24.	104.	
Toluene	ND	160.	180.	113.	
Ethylbenzene	ND	31.	32.	103.	
Xylenes (total)	ND	230.	240.	104.	
Total Petroleum Hydrocarbons (Gasoline)	ND	2000.	2000.	100.	

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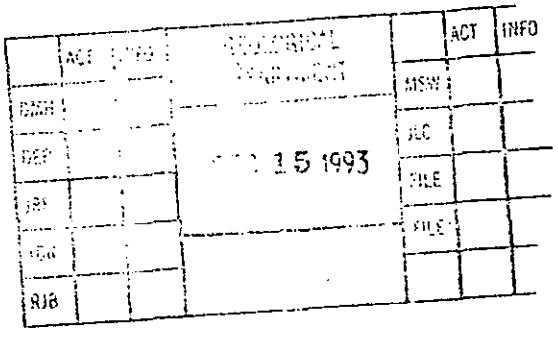
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)



12/07/93
GC3/K3C33548
MH/gps/khr
CJ5612-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President

COAST-TO-COAST ANALYTICAL SERVICES

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
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Anaheim, CA • Tempe, AZ • Valparaiso, IN • Westbrook, ME • Indianapolis, IN

SoCal Division (Camarillo Laboratory) (805) 389-1353
4765 Calle Quetzal, Camarillo, California 93012 FAX (805) 389-1438

QC Batch ID: CJ56121336Z

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 12/02/93
Analyzed by: KR
Method : E602/8015M

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED
MATRIX SPIKE DUPLICATE	Aqueous		

CONSTITUENT	ORIGINAL RESULT	SPIKE AMOUNT	RESULT µg/L	%REC	%DIFF	NOTE
BTEX + TPH (Gasoline)						1
Benzene	ND	23.	25.	109.	4.1	
Toluene	ND	160.	180.	113.	0.	
Ethylbenzene	ND	31.	33.	106.	3.1	
Xylenes (total)	ND	230.	250.	109.	4.1	
Total Petroleum Hydrocarbons (Gasoline)	ND	2000.	2100.	105.	4.9	

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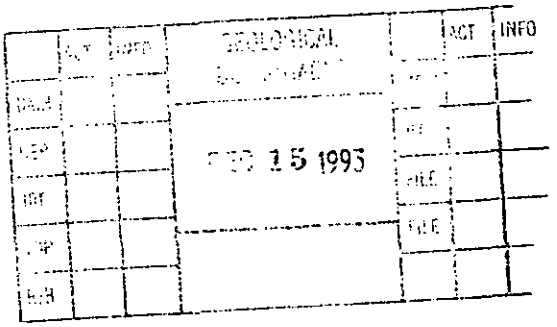
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) EXTRACTED by EPA 5030 (purge-and-trap)



12/07/93
GC3/K3C33549
MH/gps/khr
CJ5612-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President

CHAIN-OF-CUSTODY RECORD

CHEVRON USA, Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

Project Name: Alvarado/Comanche
Project I.D. No.: 93.390
Consultant Name: WAYNE PERRY CONSTRUCTION, INC.
Address: 8281 COMMONWEALTH, BUENA PARK, CA
Project Contact (Name): TRUEDI
(Phone): 714/826-0352
Chevron Facility No.: 9-3521
Chevron Contact (Name): Jeff Cole
(Phone):

Laboratory Name: COAST TO COAST
Contact Number:
Collected By (Name): Rosalio Ramos
(Signature):
Collection Date: 11-23-93

CJ5612

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER	DETECTION LIMIT	REMARKS
MW-1		2		X			11-23-93	1:39	X	X		X		X				
MW-2		2		↓				1:44	↓	↓		↓		↓				
MW-3		2						1:50										
duplicate		2																
TRIP BLANK		2		↓			↓		↓	↓		↓		↓				

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	W.P.C.	11-23-93 16:35	Truedi Balistreri	WPC	11/23/93 16:35
Truedi Balistreri	WPC	11/24/93 15:35		COAS	11/24 15:35
	COAS	11/24/93	RECEIVED FOR LABORATORY BY (Signature)		DATE/TIME
greyhound			greyhound		11/25/93 0900

Rebecca Burnham

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS
48 HRS
10 DAYS

SW FORM E-1-89

January 17, 1994

Transmittal of Monitoring Report

RECEIVED
JAN 20 11 03 AM '94
ENVIRONMENTAL
HEALTH SERVICES

SA/M# H12687
Chevron Project #93521
7651 Alvarado
La Mesa, California 92041

Mr. Michael Porter
County of San Diego
Environmental Health Services
Site Assessment/ Mitigation Unit
P.O. Box 85261
San Diego, CA 92138-5261

Chevron

Chevron U.S.A. Products Company
Marketing Department
1300 South Beach Boulevard
Building 4516
La Habra, California
P.O. Box 2833
La Habra, CA 90632-2833
Phone 310 694 7300

Dear Mr. Porter:

Enclosed please find a copy of the *Quarterly Monitoring Report* for the above referenced facility for the third quarter of 1993. Additional wells were recently drilled down and cross gradient by Chevron at this location. Data are not yet available, but will be transmitted when the next site assessment report is complete. If you have any questions please contact me at (310) 694-7969.

Sincerely,

Jeffrey E. Cole
Environmental Project Manager
Registered Geologist #5370

Enclosure

cc: Mr. V. Rodriguez California Regional Water Quality Control

Recycled
Recyclable

PREPARED FOR: **Mr. Jeffrey Cole**
Chevron U.S.A., Inc.
1300 South Beach boulevard
La Habra, California 90631

QUARTERLY MONITORING REPORT
JULY 1 THROUGH SEPTEMBER 30, 1993
FORMER CHEVRON SERVICE STATION # 9-3521
7651 Alvarado Road
La Mesa, California

SEPTEMBER 30, 1993

PREPARED BY: **WAYNE PERRY CONSTRUCTION, INC.**
8301 West Commonwealth Avenue
Buena Park, California 90621

WRITTEN BY:

VLADIMIR A. MARIENKO
Staff Geologist

REVIEWED BY:

RICHARD V. SMITH
Registered Geologist
No. 5014

Project No. 93.390

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION *1*
ANALYTICAL RESULTS SUMMARY *1*
CONCLUSIONS *2*

LIST OF TABLES

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TABLE 2 *HISTORIC GROUNDWATER ANALYSES AND GAUGING RESULTS*

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FIGURE 2 *PLOT PLAN*
FIGURE 3 *GROUNDWATER CONTOUR MAP*
FIGURE 4 *DISSOLVED HYDROCARBON CONCENTRATION MAP*

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GRAPHS 1-2 *BENZENE CONCENTRATIONS VS TIME*
GRAPH 3 *HYDROGRAPH*

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FIELD TESTING DATA

APPENDIX B *LABORATORY REPORT*
CHAIN-OF-CUSTODY FORM

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION

Enclosed is the quarterly monitoring report for former Chevron Station No. 9-3521 located at 7651 Alvarado Road in the city of La Mesa(Figures 1 and 2). This report updates groundwater monitoring activities performed for the third quarter of 1993.

On October 4, 1993 monitoring wells MW-1 through MW-3 were gauged and sampled. Samples were obtained sequentially from wells MW-1, MW-2, and MW-3 in order of increasing dissolved hydrocarbons as determined from previous laboratory analyses. A description of groundwater sampling procedures is presented in Appendix A. Gauging data are presented in Table 1 and were used to derive a groundwater contour map (Figure 3).

Purged groundwater was placed in drums and subsequently, transported under a Non-hazardous Data Form to the Gibson Facility in Bakersfield for recycling.

ANALYTICAL RESULTS SUMMARY

A duplicate sample from monitoring well MW-3, field blank, and trip blank were prepared and analyzed to verify the integrity of field and laboratory procedures. All groundwater and blank samples were tested for total petroleum hydrocarbons - gasoline using the California Department of Health Services Test Method 8015-M and purgeable aromatics using EPA Test Method 602. A copy of the laboratory report and chain-of-custody form are included in Appendix B. Results of the laboratory analyses for samples obtained on October 4, 1993 are provided in Table 1. A summary of groundwater analyses is presented in Table 2.

The analytical results of the duplicate and sample from well MW-3 indicate a relative difference of four percent for total dissolved hydrocarbons.

Results of the laboratory analyses indicate the concentration of TPH-gasoline was 4,800 ug/l in the sample from well MW-3. The concentration of benzene was 15 ug/l in the sample from well MW-3. Dissolved hydrocarbons were not detected in samples from wells MW-1 and MW-2. Concentrations of dissolved hydrocarbons are shown on Figure 4.

CONCLUSIONS

Comparison of laboratory data from the previous monitoring episode indicates concentrations of dissolved hydrocarbons decreased in samples from wells MW-2 and MW-3. Dissolved hydrocarbons continued to be below detection limits in the sample from well MW-1. The highest levels of dissolved hydrocarbons were present in the sample from well MW-3. Benzene exceeded action levels in the sample from well MW-3. Benzene concentrations over time are shown on Graphs 1 through 2.

Groundwater elevations increased by 0.01 feet in well MW-1 and decreased by an average of 0.15 feet in wells MW-2 and MW-3 as compared to the previous monitoring episode. Groundwater elevations over time are shown on Graph 3. The direction of groundwater flow was toward the north-northwest at a gradient of 0.04 foot per foot.

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

TABLES

Table 1. Groundwater Analyses and Gauging Results
Table 2. Historic Groundwater Analyses and Gauging Results

Project No. 93.390

CHEVRON U.S.A., INC.
93.390 ALVARADO RD/COMANCHE DR

TABLE 1. WATER ANALYSES AND GAUGING RESULTS FOR FORMER
CHEVRON STATION # 9-3521 SAMPLED ON OCTOBER 4, 1993

WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	COMMENTS
ND=	<0.3	<0.3	<0.3	<0.6	<500						
MW-1	ND	ND	ND	ND	ND	6.27	0.000	89.55	95.82	14.74	
MW-2	ND	ND	ND	ND	ND	7.43	0.000	86.43	93.86	14.18	
MW-3	15	1	40	9	4800	10.85	0.000	86.34	97.19	13.36	

CHEVRON U.S.A., INC.
93.390 ALVARADO RD/COMANCHE DR

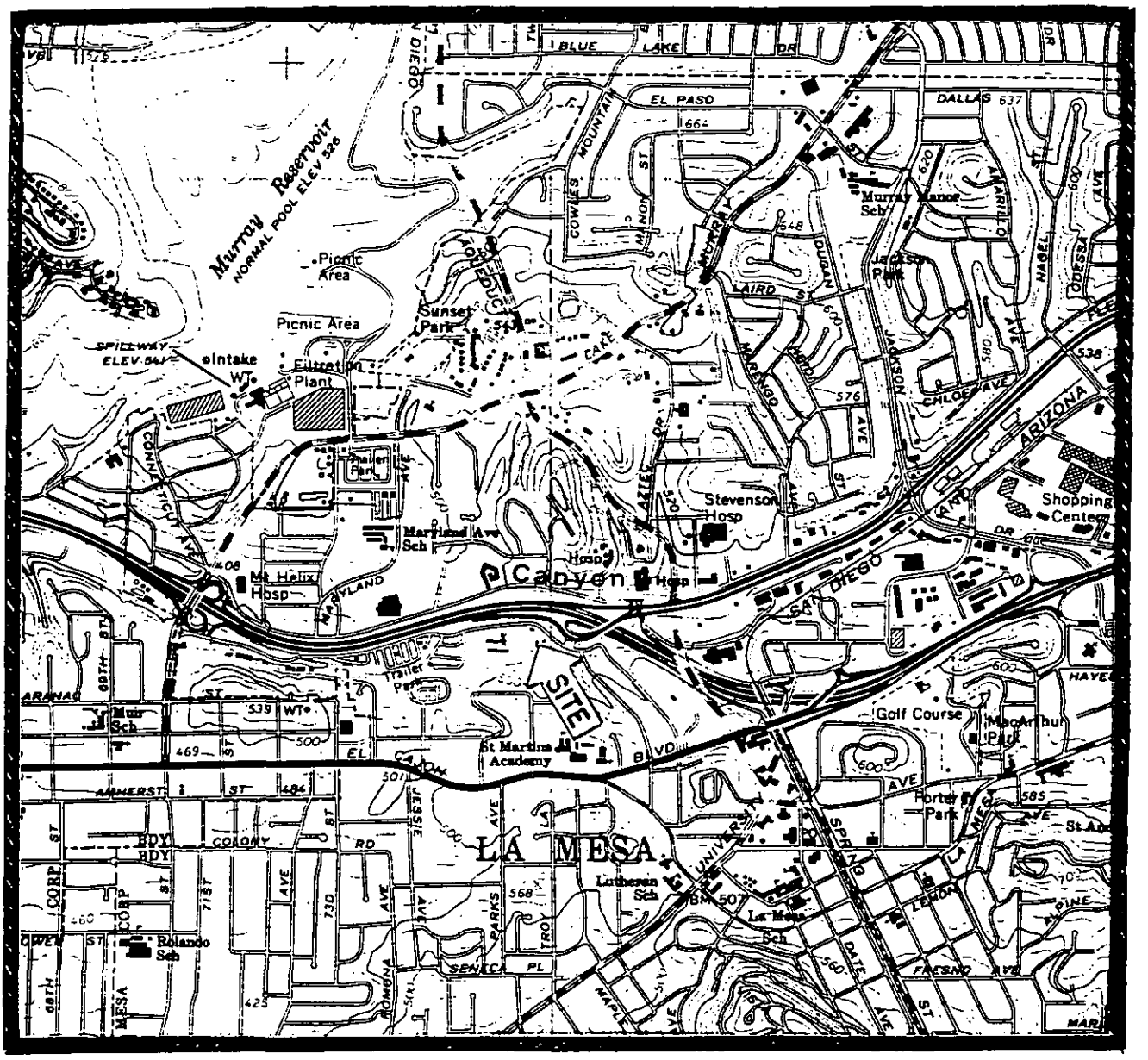
TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	COMMENTS
04/08/92	MW-1	ND	ND	ND	ND	ND	6.46	0.000	89.36	95.82		
09/10/92	MW-1	ND	ND	ND	ND	ND	6.16	0.000	89.66	95.82		
12/01/92	MW-1	ND	ND	ND	ND	ND	6.28	0.000	89.54	95.82		
10/04/93	MW-1	ND	ND	ND	ND	ND	6.27	0.000	89.55	95.82	14.74	
04/08/92	MW-2	48	13	4.6	17	800	10.61	0.000	83.25	93.86		
09/10/92	MW-2	2	4	ND	ND	ND	7.36	0.000	86.50	93.86		
12/01/92	MW-2	0.6	0.4	ND	0.7	ND	7.22	0.000	86.64	93.86		
10/04/93	MW-2	ND	ND	ND	ND	ND	7.43	0.000	86.43	93.86	14.18	
04/08/92	MW-3	28	5.1	320	640	21000	11.22	0.000	85.97	97.19		
09/10/92	MW-3	20	22	100	27	8400	10.74	0.000	86.45	97.19		
12/01/92	MW-3	32	2.7	120	29	11000	10.76	0.000	86.43	97.19		
10/04/93	MW-3	15	1	40	9	4800	10.85	0.000	86.34	97.19	13.36	

FIGURES

Figure 1. Site Location Map
Figure 2. Plot Plan
Figure 3. Groundwater Contour Map
Figure 4. Dissolved Hydrocarbon Concentration Map

SITE LOCATION MAP



BASE MAP: LA MESA QUADRANGLE

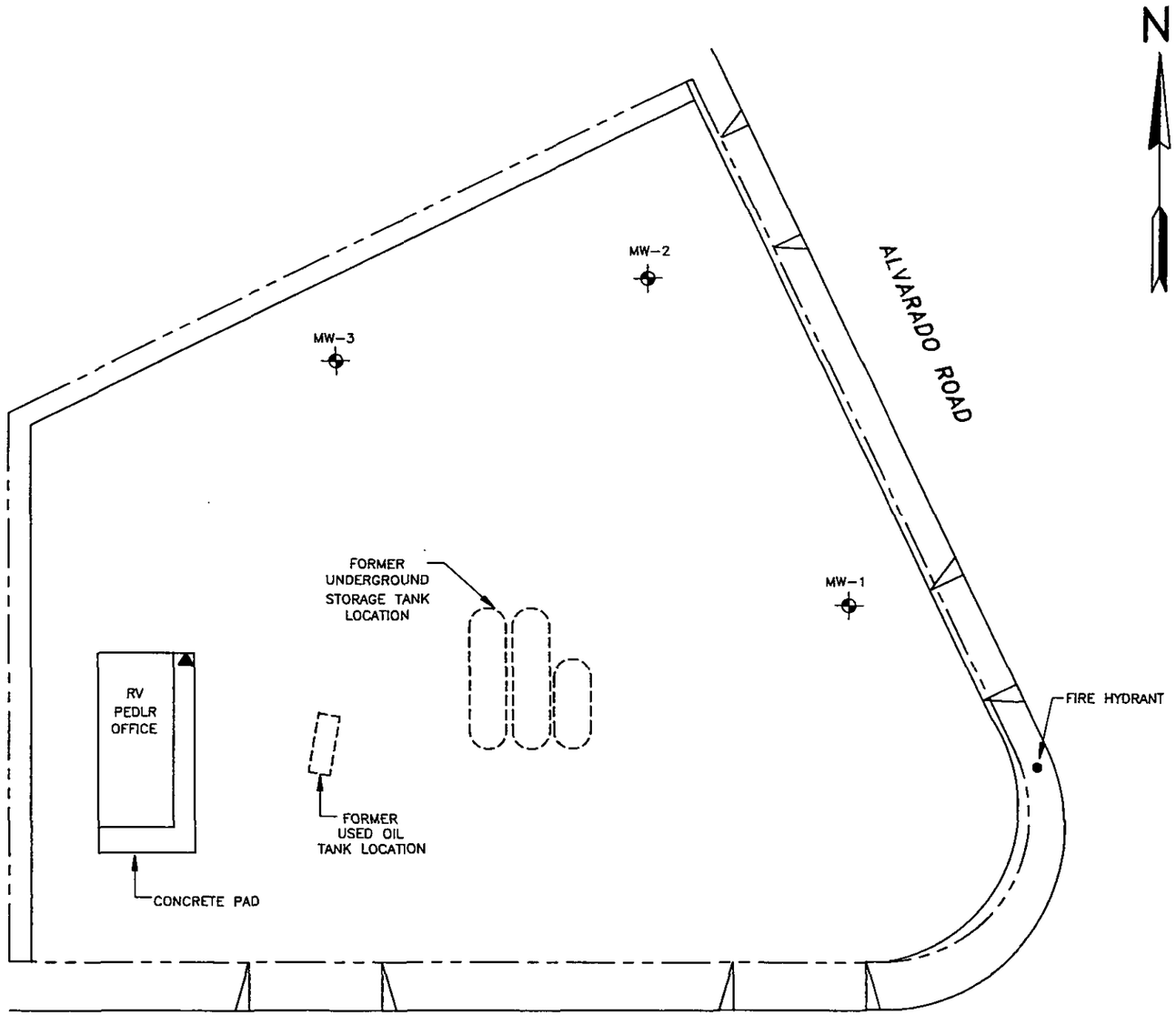
7.5 MINUTES USGS

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO ROAD
LA MESA, CA

PROJECT NO.	FIGURE NO.
93.390	1
DRAWN BY	

Wayne Perry Construction Inc

PLOT PLAN



KEY

MW-3 GROUNDWATER MONITORING WELL

SOURCE :

MODIFIED FROM A MAP CREATED BY DELTA ENVIRONMENTAL INC., AND SUPPLIED BY CHEVRON, U.S.A.

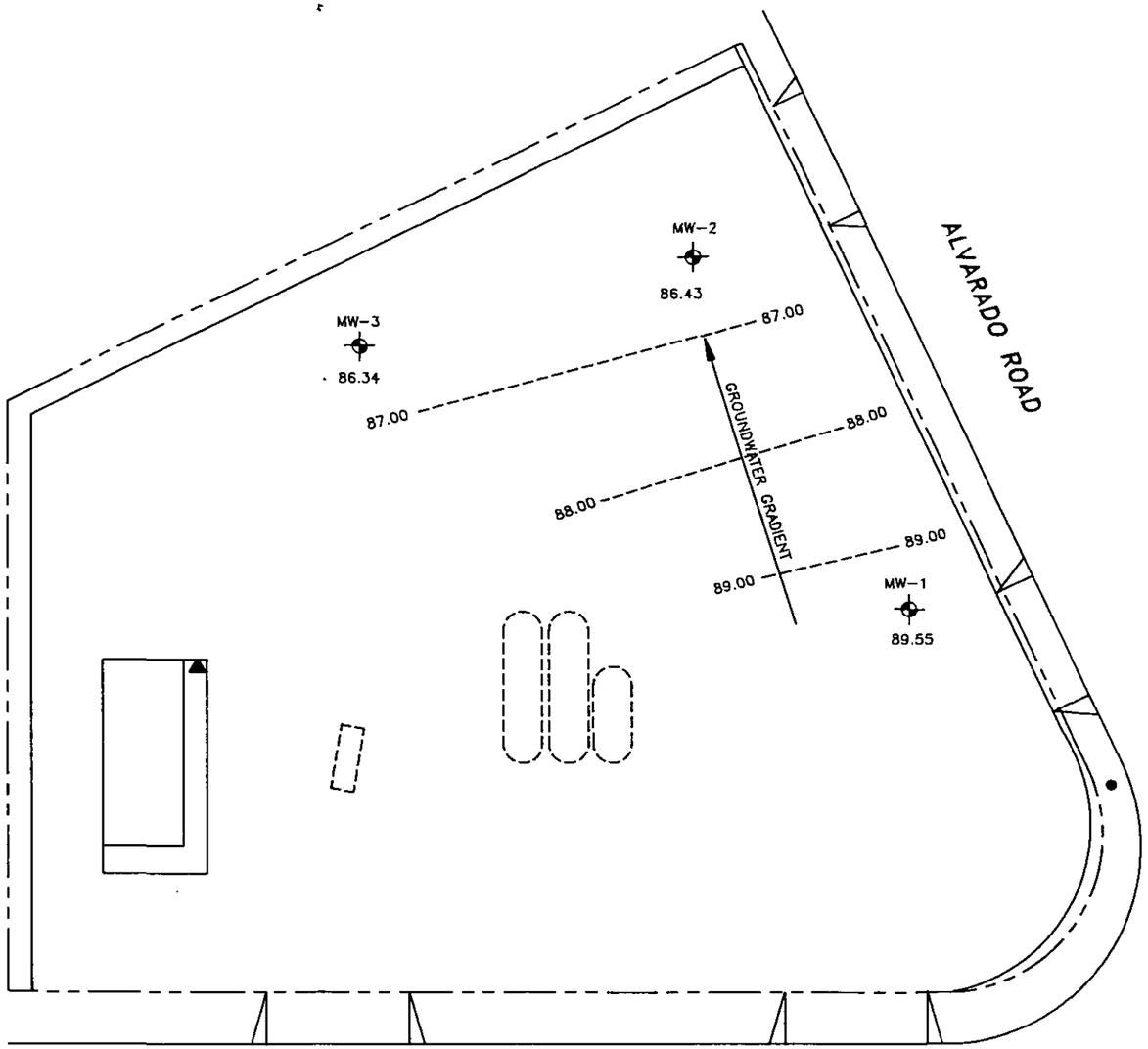
30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA 39000001

PROJ. NO.	FIG. NO.
93.390	2
DRAWN BY: Ward Provance	DATE: 11/10/93

Wayne Perry Environmental Specialists

GROUNDWATER CONTOUR MAP



N

KEY

MW-3
86.34

MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL FOR JULY THROUGH SEPTEMBER 1993.

----- 89.00 ----- GROUNDWATER CONTOUR

CONTOUR INTERVAL = 1.0 FEET

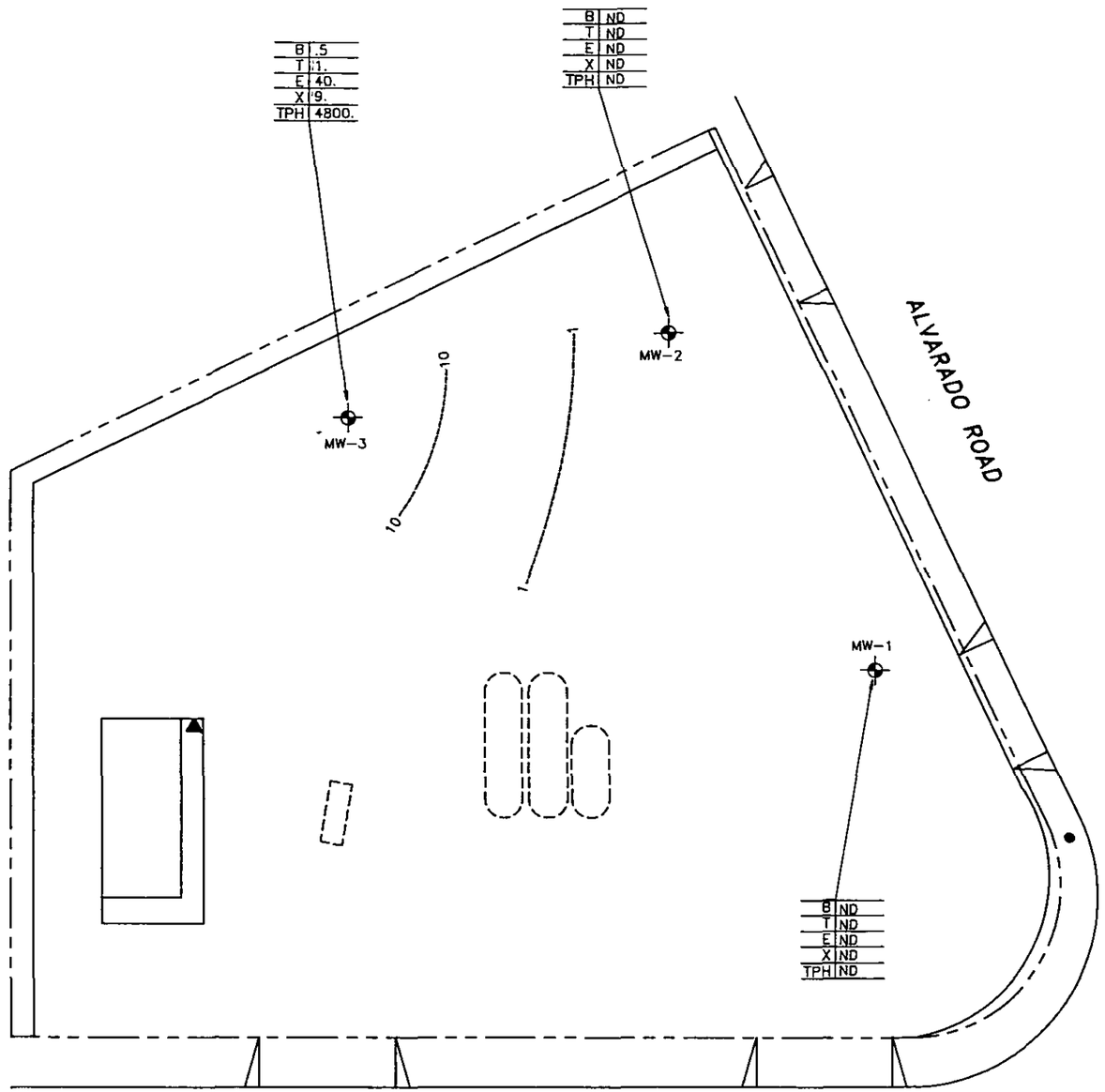
30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA
39000002

PROJ. NO.	FIG. NO.
93.390	3
DRAWN BY	DATE
Ward Provance	11/10/93

ENVIRONMENTAL WaynePerry SPECIALISTS

DISSOLVED HYDROCARBON CONCENTRATION MAP



N

KEY

MW-3 — GROUNDWATER MONITORING WELL SHOWING CONCENTRATIONS OF DISSOLVED HYDROCARBONS IN ug/L.

10 — BENZENE CONTOUR IN ug/L.

NOTES :
1. DATE OF SAMPLING - 10/9/93
2. ND - NOT DETECTED

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA
39000003

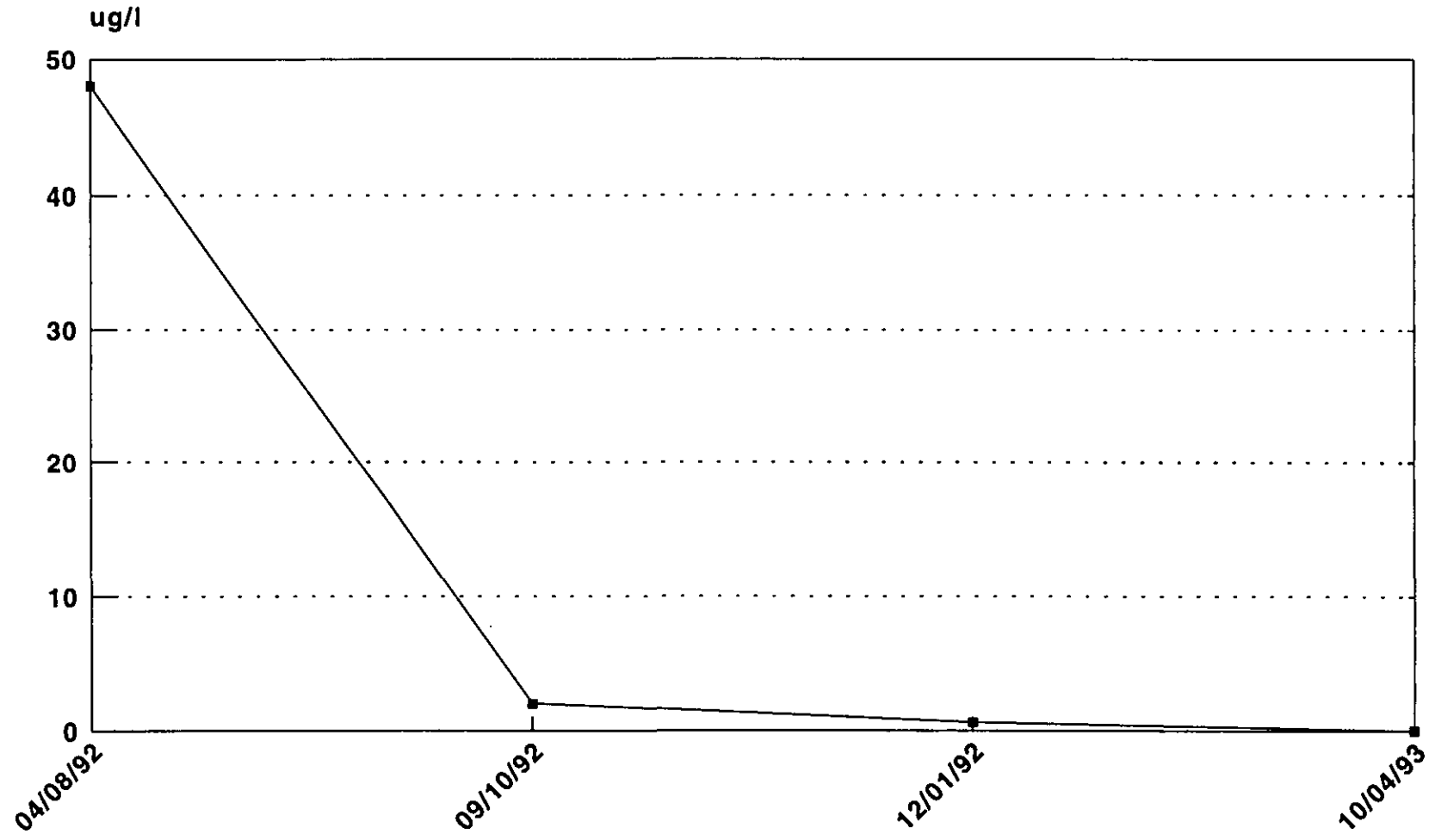
PROJ. NO.	FIG. NO.
93.390	4
DRAWN BY: Ward Provance	DATE: 11/10/93

ENVIRONMENTAL Wayne Perry SPECIALISTS

GRAPHS

Graphs 1-2. Benzene Concentrations vs Time
Graph 3. Hydrograph

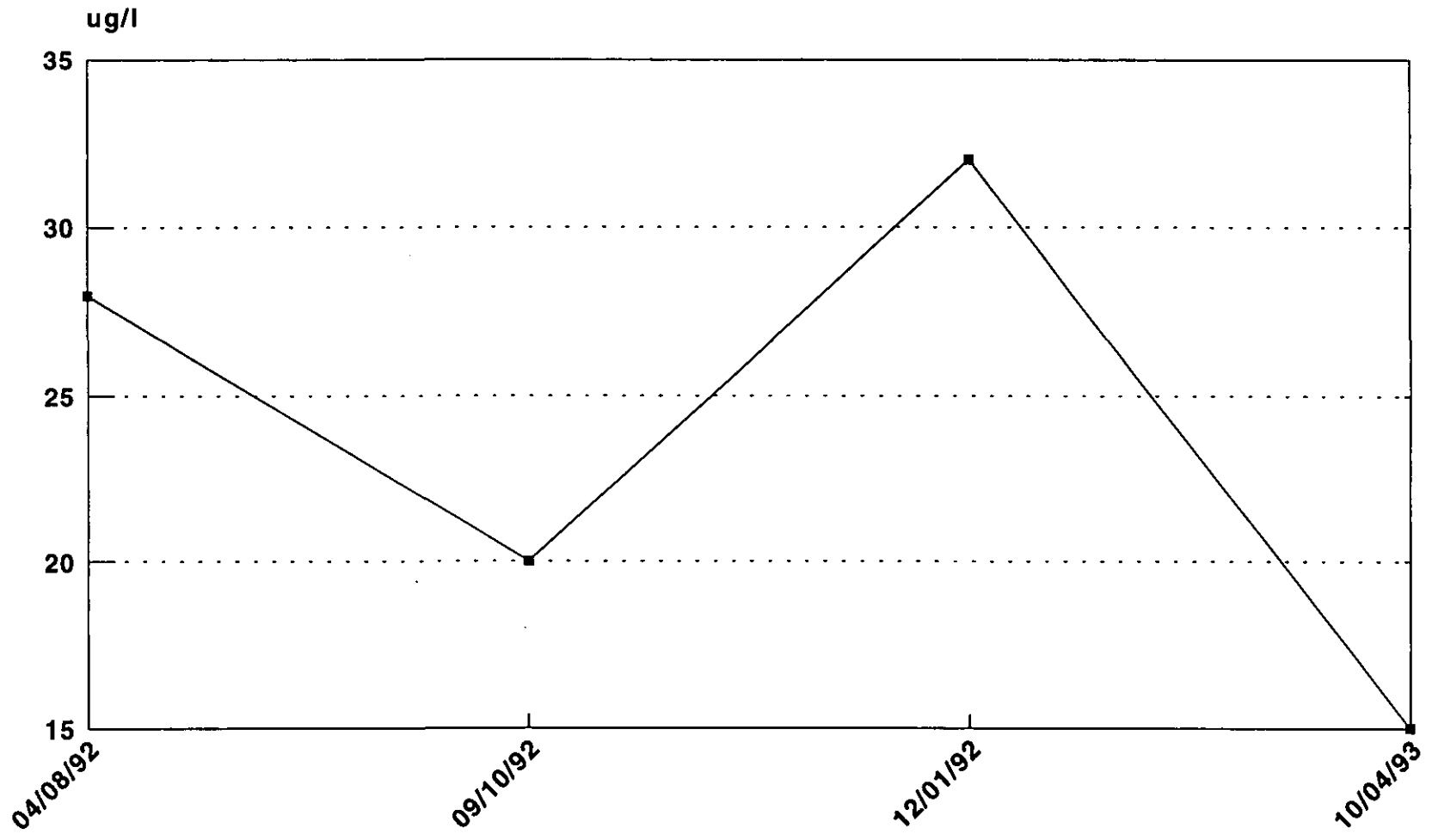
9-3521 Alvarado Rd/Comanche Dr
Benzene Concentrations Over Time



Graph 1

11/10/93
Project No. 93.390

9-3521 Alvarado Rd/Comanche Dr
Benzene Concentrations Over Time

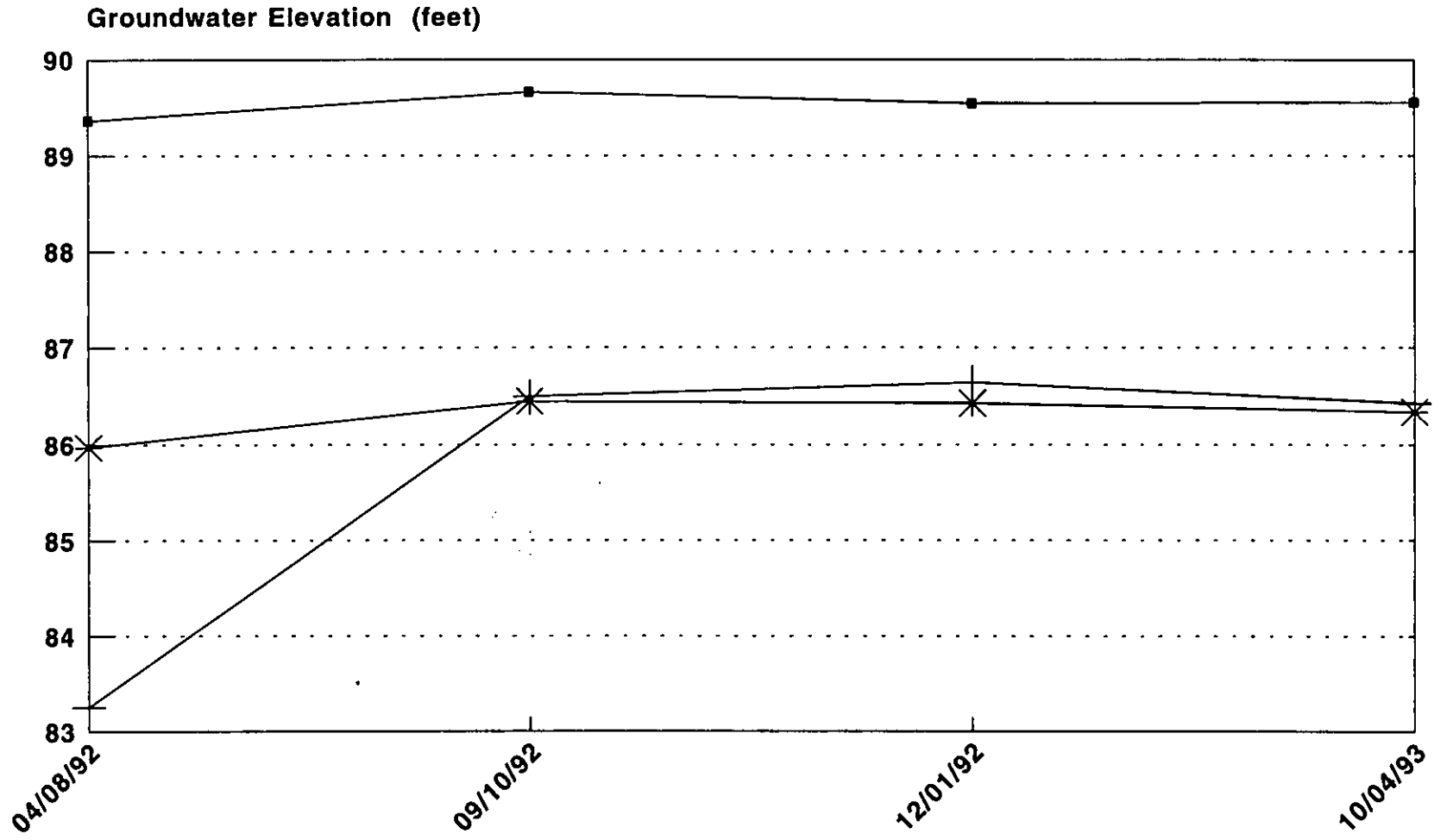


Graph 2

Well MW-3

11/10/93
Project No. 93.390

9-3521 Alvarado Rd/Comanche Dr
Hydrograph Over Time



Graph 3

11/10/93
Project No. 93.390

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

APPENDIX A

Groundwater Sampling Procedures
Field Testing Data

Project No. 93.390

GROUNDWATER SAMPLING PROCEDURES

Prior to sampling, wells were purged of water using a stainless steel bailer. Fast recharging wells were purged of three casing volumes of water. Slow recharging wells were purged until dry and allowed to recover for two hours before sampling. Each casing volume of water was field tested for temperature, pH, and conductivity. Groundwater samples were field tested for turbidity. Field testing data are included in this appendix. Groundwater samples were obtained using a Teflon bailer equipped with a bottom emptying device and placed in VOA bottles with Teflon septums. All purging and sampling equipment was washed in non-phosphate soap and triple rinsed in distilled water between wells to reduce the potential for cross contamination.

In addition to the samples obtained from the wells, a trip blank, field blank, and sample duplicate were prepared to verify the integrity of the field and laboratory procedures. Samples were placed on ice to reduce the potential for volatilization. Samples were transported to a certified laboratory for analyses under strict chain-of-custody procedures.

All groundwater samples were tested for total petroleum hydrocarbons using the California Department of Health Services Test Method 8015-M for gasoline. Samples were also tested for purgeable aromatic compounds using EPA Test Method 602.

CHEVRON U.S.A.

Field Temperature, Conductivity, pH and Turbidity Data

Cross Street: Alvarado Rd/Comanche Dr **Job Number: 93.390**

Date: 10/04/93

Well #	Casing 1	Casing 2	Casing 3	Total Purged	Sample	Comments
MW-1						
Purged Water (gallons)	5.5	5.5	5.5	16.5		
Temperature (°F)	76	76	76			
Conductivity (µs/cm)	1.60	1.60	1.60			
pH (pH)	6.8	6.8	6.8			
Turbidity (NTU)						

Well #	Casing 1	Casing 2	Casing 3	Total Purged	Sample	Comments
MW-2						
Purged Water (gallons)	4	4		8		Slow recharging well.
Temperature (°F)	77	77				
Conductivity (µs/cm)	1.60	1.60				
pH (pH)	6.9	6.9				
Turbidity (NTU)						

Well #	Casing 1	Casing 2	Casing 3	Total Purged	Sample	Comments
MW-3						
Purged Water (gallons)	1.5	1.5		3		Slow recharging well. Duplicate sample obtained.
Temperature (°F)	76	76				
Conductivity (µs/cm)	1.50	1.50				
pH (pH)	6.8	6.8				
Turbidity (NTU)						

APPENDIX B

Laboratory Report
Chain-of-Custody Form

93-390

GTEL
ENVIRONMENTAL
LABORATORIES, INC.

4080 Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 Inside CA
(800) 423-7143 Outside CA
(510) 825-0720 FAX

Client Number: WAP01CHV01
Contract Number: 6CSW25243X
Facility Number: 9-3521
Work Order Number: C3-10-0085

October 24, 1993

Truedi Balsitis
Wayne Perry Construction, Inc.
8281 Commonwealth
Buena Park, CA 90621

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 10/05/93.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certification number E1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen

Eileen F. Bullen
Laboratory Director

	ACT	INFO	GEOLOGICAL DEPARTMENT		ACT	INFO
DMH				MSW		
DEP			OCT 26 1993	JLC		
JRF				FILE		
TDR				FILE		
RJB						

Client Number: WAP01CHV01
Contract Number: 6CSW25243X
Facility Number: 9-3521
Work Order Number: C3-10-0085

Table 1

ANALYTICAL RESULTS

Aromatic Volatile Organics and Total Petroleum Hydrocarbons as Gasoline in Water

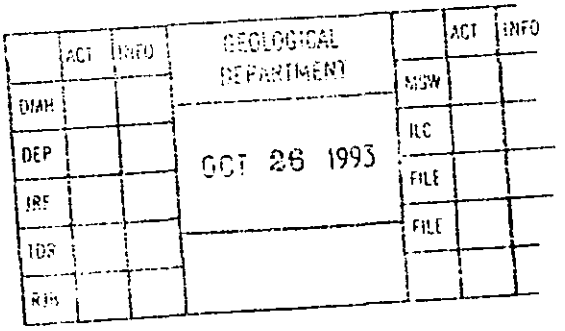
EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		01	02	03[b]	04
Client Identification		MW-1	MW-2	MW-3	TRIP BLANK
Date Sampled		10/04/93	10/04/93	10/04/93	--
Date Analyzed		10/15/93	10/15/93	10/15/93	10/15/93
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	<0.5	15	<0.5
Toluene	0.5	<0.5	<0.5	1	<0.5
Ethylbenzene	0.5	<0.5	<0.5	40	<0.5
Xylene, total	0.5	<0.5	<0.5	9	<0.5
BTEX, total	--	--	--	65	--
TPH as Gasoline	50	<50	<50	4800	<50
Detection Limit Multiplier		1	1	1	1
BFB surrogate, % recovery		78.7	82.6	89.2[b]	83.6

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision. Bromofluorobenzene surrogate recovery acceptability limits are 70 - 130%.

b. TFT recovery reported due to target compound interference at BFB peak.

Note: Samples were received at 6°C.



GTEL Concord, CA
C3100085.BXG

GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: WAP01CHV01
Contract Number: 6CSW25243X
Facility Number: 9-3521
Work Order Number: C3-10-0085

Table 1 (Continued)

ANALYTICAL RESULTS

Aromatic Volatile Organics and Total Petroleum Hydrocarbons as Gasoline in Water

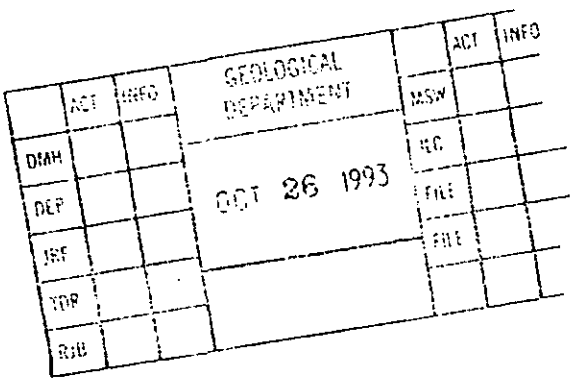
EPA Methods 5030, 8020, and Modified 8015[a]

GTEL Sample Number		05	06	E101593	
Client Identification		FIELD BLANK	DUPLICATE	METHOD BLANK	
Date Sampled		10/14/93	10/14/93	--	
Date Analyzed		10/15/93	10/15/93	10/15/93	
Analyte	Detection Limit, ug/L	Concentration, ug/L			
Benzene	0.5	<0.5	15	<0.5	
Toluene	0.5	<0.5	0.8	<0.5	
Ethylbenzene	0.5	<0.5	44	<0.5	
Xylene, total	0.5	<0.5	9	<0.5	
BTEX, total	--	--	72	--	
TPH as Gasoline	50	<50	5000	<50	
Detection Limit Multiplier		1	1	1	
BFB surrogate, % recovery		104	90.2[b]	76.7	

a. Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision. Bromofluorobenzene surrogate recovery acceptability limits are 70 - 130%.

b. TFT recovery reported due to target compound interference at BFB peak.

Note: Samples were received at 6°C.



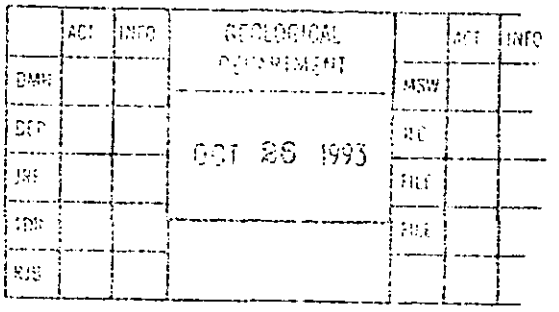
GTEL ENVIRONMENTAL LABORATORIES, INC.

Client Number: WAP01CHV01
Contract Number: 6CSW25243X
Facility Number: 9-3521
Work Order Number: C3-10-0085

QC Matrix Spike and Duplicate Spike Results

Matrix: Water

Analyte	Sample ID	Spike Amount	Units	Recovery, %	Duplicate Recovery, %	RPD, %	Control Limits
Modified EPA 8020:							
Benzene	C3100062	20.0	ug/L	96.0	78.5	20.0	55 - 129
Toluene	C3100062	20.0	ug/L	77.0	77.5	0.7	72 - 149
Ethylbenzene	C3100062	20.0	ug/L	106	82.5	24.9	75 - 138
Xylene, total	C3100062	60.0	ug/L	107	77.3	32.0	74 - 147



GTEL ENVIRONMENTAL LABORATORIES, INC.

CHEVRON USA Inc.
P.O. BOX 2833
LA HABRA, CA 90632-2833

PROJECT NAME Alvarado / Comanche
PROJECT I.D. No. 93-390
CONSULTANT NAME Wayne Perry Construction, Inc.
ADDRESS 8281 Commonwealth, Buena Park
PROJECT CONTACT (NAME) Truedi
(PHONE) (714) 826-0352
CHEVRON FACILITY No. 9-3521
CHEVRON CONTACT (NAME) Jeff Cole
(PHONE)

LABORATORY NAME GTEL Labs
CONTRACT NUMBER
COLLECTED BY (NAME) Rosalio Ramos
(SIGNATURE)
COLLECTION DATE 10-4-93

CHAIN-OF-CUSTODY RECORD

Seals Intact
6°C

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	ANALYSES TO BE PERFORMED: MODIFIED EPA 8015. TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
MW-1	01	2		X			10-4-93	11:05	X	X	X		X							
MW-2	02	↓		↓			↓	11:10	↓	↓	↓		↓							
MW-3	03							11:14												
Trip Blank	04																			
Field Blank	05																			
duplicate	06	↓		↓			↓		↓	↓	↓		↓							
																				C3100085

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
	W.P.C	10-4-93 2:00	Truedi Balasta	WPC	10/4 14:20
Truedi Balasta	WPC	10/4 15:30		GTEL	10/4 1530
	GTEL	10/4 1630	RECEIVED FOR LABORATORY BY (Signature) Corinne Belkey		DATE/TIME 10/5/93 10:00

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS
48 HRS
10 DAYS

SW FORM E-1-89

Chevron

August 31, 1995

Chevron U.S.A. Products Company
Marketing Department
1300 South Beach Boulevard
Building 4516
La Habra, California
P.O. Box 2833
La Habra, CA 90632-2833
Phone 310 694 7300

Mr. Michael Porter
County of San Diego-DEH/SAM
P.O. Box 85261
San Diego, CA 92186-5261

Groundwater Monitoring Report

SA/M# H12687
Chevron Project #93521
7651 Alvarado Road
La Mesa, CA 91941

Dear Mr. Porter:

Enclosed is the groundwater monitoring report for the site referenced above for the second quarter of 1995. Monitoring at this site is being done on a quarterly basis by Wayne Perry Construction, Inc. As you know, we recently destroyed three of the five monitoring wells at the site. The two remaining wells are MW-3 and MW-4. MW-3 is the only well which continues to be impacted while MW-4 is clean but down gradient. We continue in a monitor only mode until the levels in MW-3 drop low enough to warrant closure. As per our telephone conversation of today we will begin monitoring this site semiannually until there is some substantial change in the reports.

If you have any questions please call me at (310) 694-7698.

Sincerely,

Michael S. Bauer

Michael S. Bauer
Environmental Engineer

cc: Mr. C. Wyatt Groundwater Technology, Inc.

PREPARED FOR: **Mr. Michael Bauer**
Chevron U.S.A. Products Company
1300 South Beach Boulevard
La Habra, California 90631

QUARTERLY MONITORING REPORT
APRIL 1 THROUGH JUNE 30, 1995
FORMER CHEVRON SERVICE STATION # 9-3521
7651 Alvarado Road
La Mesa, California

JUNE 30, 1995

PREPARED BY: WAYNE PERRY, INC.
8281 West Commonwealth Avenue
Buena Park, California 90621

WRITTEN BY:

VLADIMIR A. MARIENKO
Staff Geologist

REVIEWED BY:

DAVID M. HENRY
Registered Geologist
No. 4085

Project No. 93.390

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION *1*
ANALYTICAL RESULTS SUMMARY *1*
CONCLUSIONS *2*

LIST OF TABLES

TABLE 1	*GROUNDWATER ANALYSES AND GAUGING RESULTS*
TABLE 2	*HISTORIC GROUNDWATER ANALYSES AND GAUGING RESULTS*

LIST OF FIGURES

FIGURE 1	*SITE LOCATION MAP*
FIGURE 2	*PLOT PLAN*
FIGURE 3	*GROUNDWATER CONTOUR MAP*
FIGURE 4	*DISSOLVED HYDROCARBON AND MTBE CONCENTRATION MAP*

GRAPHS

GRAPHS 1-2	*BENZENE CONCENTRATIONS VS TIME*
GRAPHS 3-4	*HYDROGRAPHS*

LIST OF APPENDICES

APPENDIX A	*DISPOSAL DOCUMENTS*
	GROUNDWATER SAMPLING PROCEDURES
	FIELD TESTING DATA
APPENDIX B	*LABORATORY REPORT*
	CHAIN-OF-CUSTODY DOCUMENT

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION

Enclosed is the quarterly monitoring report for former Chevron Station No. 9-3521 located at 7651 Alvarado Road in the city of La Mesa (Figures 1 and 2). This report updates groundwater monitoring activities performed between April 1 and June 30, 1995.

On June 12, 1995, monitoring well MW-3 was gauged and sampled. Monitoring wells MW-1, MW-2, MW-4, and MW-5 were gauged but selectively not sampled. Monitoring wells MW-1, MW-2, and MW-5 will be permanently abandoned. A description of groundwater sampling procedures is presented in Appendix A. Gauging data are presented in Table 1 and were used to derive a groundwater contour map (Figure 3).

Purged groundwater was transported to the Chevron Refinery in El Segundo for recycling. Copies of the disposal documents are presented in Appendix A.

ANALYTICAL RESULTS SUMMARY

A trip blank was prepared and analyzed to verify the integrity of field and laboratory procedures. All groundwater and blank samples were tested for total petroleum hydrocarbons-gasoline using EPA Test Method 8015-Modified and benzene, toluene, ethyl benzene, xylenes, and methyl tertiary butyl ether using EPA Test Method 602. A copy of the laboratory report and chain-of-custody document are included in Appendix B. Results of the laboratory analyses for samples obtained on June 12, 1995, are provided in Table 1. A summary of groundwater analyses is presented in Table 2.

Results of the laboratory analyses indicate the concentration of TPH-gasoline was 3,770 ug/l in the sample from well MW-3. The level of benzene was 3.2 ug/l in the sample from well MW-3. Dissolved hydrocarbon concentrations are shown on Figure 4.

Methyl tertiary butyl ether was not detected in the sample from well MW-3.

CONCLUSIONS

Comparison of laboratory data from the previous monitoring episode indicates concentrations of dissolved hydrocarbons decreased in the sample from well MW-3. Benzene exceeded action levels in the sample from well MW-3. Benzene concentrations over time are shown on Graphs 1 and 2. Levels of methyl tertiary butyl ether decreased in the sample from well MW-3.

Groundwater elevations decreased by an average of 0.22 foot in wells MW-1 and MW-3 through MW-5 and increased by 3.03 feet in well MW-2 as compared to the previous monitoring episode. Groundwater elevations over time are shown on Graphs 3 and 4. The direction of groundwater flow was northwesterly at a gradient of 0.037 foot per foot.

o o O o o

This report has been prepared for the exclusive use of Chevron U.S.A. Products Company as it pertains to their site located at 7651 Alvarado Road, La Mesa, California. No warranty, expressed or implied, is made as to the professional advice in this report.

TABLES

Table 1. Groundwater Analyses and Gauging Results
Table 2. Historic Groundwater Analyses and Gauging Results

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 1. WATER ANALYSES AND GAUGING RESULTS FOR FORMER
CHEVRON STATION # 9-3521 GAUGED AND SAMPLED ON JUNE 12, 1995

WELL	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	TOTAL HYDRO-CARBONS GASOLINE	MTBE	DEPTH TO WATER	HYDRO-CARBON THICKNESS	GROUND-WATER ELEVATION	TOP OF CASING	DEPTH OF WELL	eH	DISSOLVED OXYGEN	COMMENTS
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(feet)	(feet)	(feet)	(feet)	(feet)	(mV)	(ppm)	
ND=	<0.5	<0.5	<0.5	<1.5	<500	<0.5								
MW-1							6.33	0.00	89.49	95.82	14.73			
MW-2							7.46	0.00	86.40	93.86	14.19			
MW-3	3.2	0.6	1.8	ND	3770	ND	10.98	0.00	86.21	97.19	13.35	-60	0.9	
MW-4							9.46	0.00	83.71	93.17	11.01			
MW-5							4.07	0.00	87.98	92.05	14.17			

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	TOTAL HYDRO-CARBONS GASOLINE	MTBE	DEPTH TO WATER	HYDRO-CARBON THICKNESS	GROUND-WATER ELEVATION	TOP OF CASING	DEPTH OF WELL	eH	DISSOLVED OXYGEN	COMMENTS
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(feet)	(feet)	(feet)	(feet)	(feet)	(mV)	(ppm)	
04/08/92	MW-1	ND	ND	ND	ND	ND		6.46	0.00	89.36	95.82				
09/10/92	MW-1	ND	ND	ND	ND	ND		6.16	0.00	89.66	95.82				
04/08/92	MW-1	ND	ND	ND	ND	ND		6.46	0.00	89.36	95.82				
09/10/92	MW-1	ND	ND	ND	ND	ND		6.16	0.00	89.66	95.82				
12/01/92	MW-1	ND	ND	ND	ND	ND		6.28	0.00	89.54	95.82				
10/04/93	MW-1	ND	ND	ND	ND	ND		6.27	0.00	89.55	95.82	14.74			
11/23/93	MW-1	ND	ND	ND	ND	ND		6.36	0.00	89.46	95.82	14.71			
03/25/94	MW-1	ND	ND	ND	ND	ND	ND	6.24	0.00	89.58	95.82	14.76	125	2.1	
09/22/94	MW-1	ND	ND	ND	ND	ND	ND	6.29	0.00	89.53	95.82	14.76	80	1.2	
03/21/95	MW-1							6.30	0.00	89.52	95.82	14.25			
03/22/95	MW-1							6.29	0.00	89.53	95.82	14.75			
06/02/95	MW-1							6.33	0.00	89.49	95.82	14.73			
04/08/92	MW-2	48	13	4.6	17	800		10.61	0.00	83.25	93.86				
09/10/92	MW-2	2	4	ND	ND	ND		7.36	0.00	86.50	93.86				
12/01/92	MW-2	0.6	0.4	ND	0.7	ND		7.22	0.00	86.64	93.86				
10/04/93	MW-2	ND	ND	ND	ND	ND		7.43	0.00	86.43	93.86	14.18			
11/23/93	MW-2	ND	ND	ND	ND	ND		7.45	0.00	86.41	93.86	14.18			
03/25/94	MW-2	ND	ND	ND	ND	ND	ND	7.46	0.00	86.40	93.86	14.26	0	1.3	
09/22/94	MW-2	ND	ND	ND	ND	ND	ND	7.44	0.00	86.42	93.86	14.22	-40	1.1	
03/21/95	MW-2	ND	ND	ND	ND	ND	ND	7.50	0.00	86.36	93.86	14.22	95	1.8	
03/22/95	MW-2							10.49	0.00	83.37	93.86	14.17			
06/02/95	MW-2							7.46	0.00	86.40	93.86	14.19			
04/08/92	MW-3	28	5.1	320	640	21000		11.22	0.00	85.97	97.19				
09/10/92	MW-3	20	22	100	27	8400		10.74	0.00	86.45	97.19				
12/01/92	MW-3	32	2.7	120	29	11000		10.76	0.00	86.43	97.19				
10/04/93	MW-3	15	1	40	9	4800		10.85	0.00	86.34	97.19	13.36			
11/23/93	MW-3	14	0.9	78	19	5500		10.94	0.00	86.25	97.19	13.34			
03/25/94	MW-3	10	ND	58	12	4300	ND	10.77	0.00	86.42	97.19	13.38	0	0.9	
09/22/94	MW-3	53	ND	15	2.9	3500	12	10.96	0.00	86.23	97.19	13.40	OR	0.5	
03/21/95	MW-3	5.6	1.4	8.5	2.9	3400	9.1	10.80	0.00	86.39	97.19	13.38	OR	2.2	
03/22/95	MW-3							10.80	0.00	86.39	97.19	13.39			
06/02/95	MW-3	3.2	0.6	1.8	ND	3770	ND	10.98	0.00	86.21	97.19	13.35	-60	0.9	
03/25/94	MW-4	ND	ND	ND	ND	ND	ND	8.83	0.00	84.34	93.17	10.69	125	1.2	
09/22/94	MW-4	ND	ND	ND	ND	ND	ND	9.74	0.00	83.43	93.17	10.71	90	0.9	
03/21/95	MW-4										93.17				Inaccessible

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

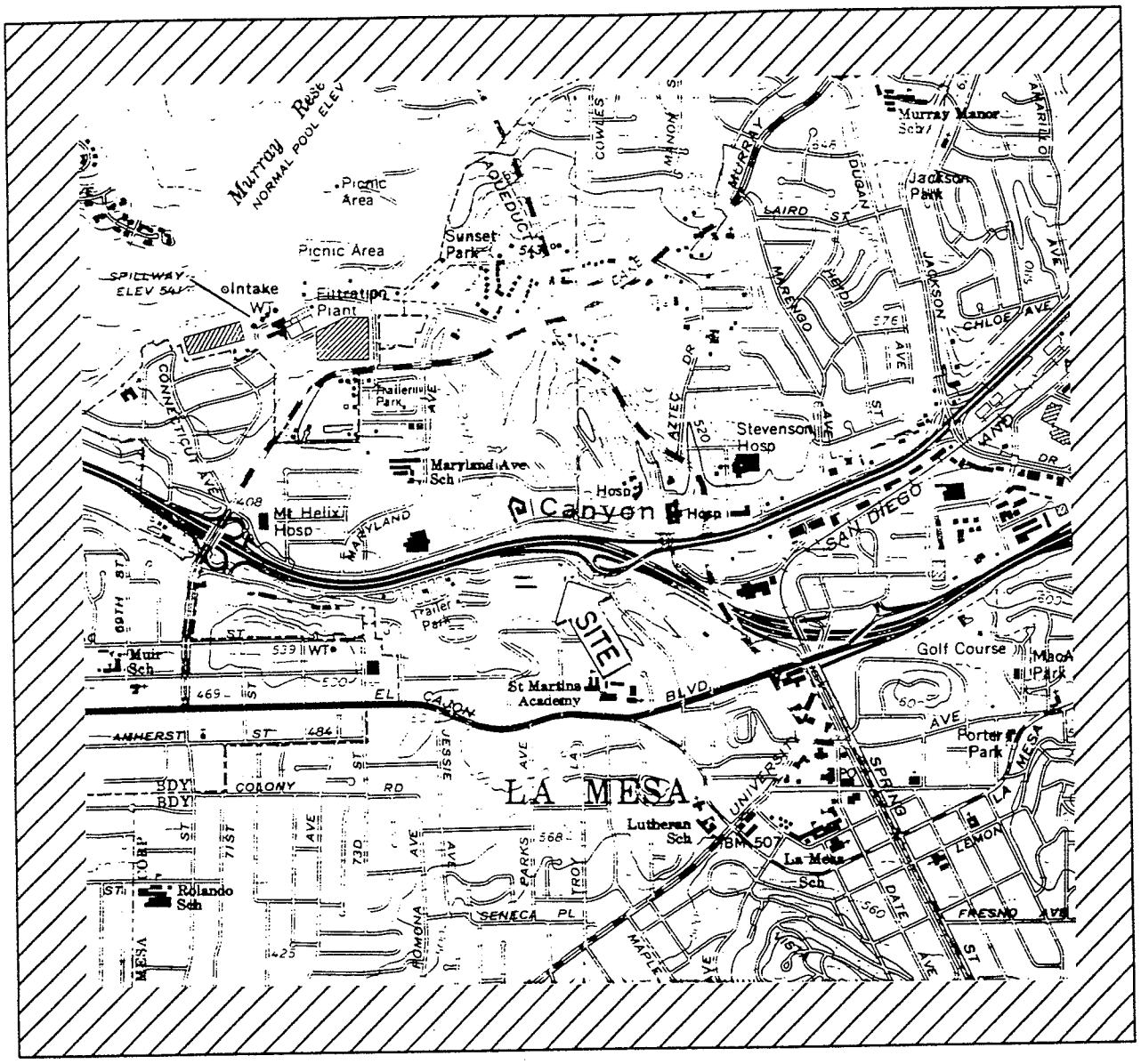
TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	MTBE (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	eH (mV)	DISSOLVED OXYGEN (ppm)	COMMENTS
04/08/92	MW-1	ND	ND	ND	ND	ND		6.46	0.00	89.36	95.82				
09/10/92	MW-1	ND	ND	ND	ND	ND		6.16	0.00	89.66	95.82				
03/22/95	MW-4	ND	ND	ND	ND	ND	ND	8.97	0.00	84.20	93.17	11.05	110	1.6	
06/02/95	MW-4							9.46	0.00	83.71	93.17	11.01			
03/25/94	MW-5	ND	ND	ND	ND	ND	ND	3.50	0.00	88.55	92.05	14.20	85	1.4	
09/22/94	MW-5	ND	ND	ND	ND	ND	ND	3.42	0.00	88.63	92.05	14.20	45	1.4	
03/21/95	MW-5							3.96	0.00	88.09	92.05	14.20			
03/22/95	MW-5							3.91	0.00	88.14	92.05	14.19			
06/02/95	MW-5							4.07	0.00	87.98	92.05	14.17			

Note: OR = out of range

FIGURES

Figure 1. Site Location Map
Figure 2. Plot Plan
Figure 3. Groundwater Contour Map
Figure 4. Dissolved Hydrocarbon and MTBE Concentration Map



SOURCE :

7.5 MINUTE U.S.G.S.

QUADRANGLE :

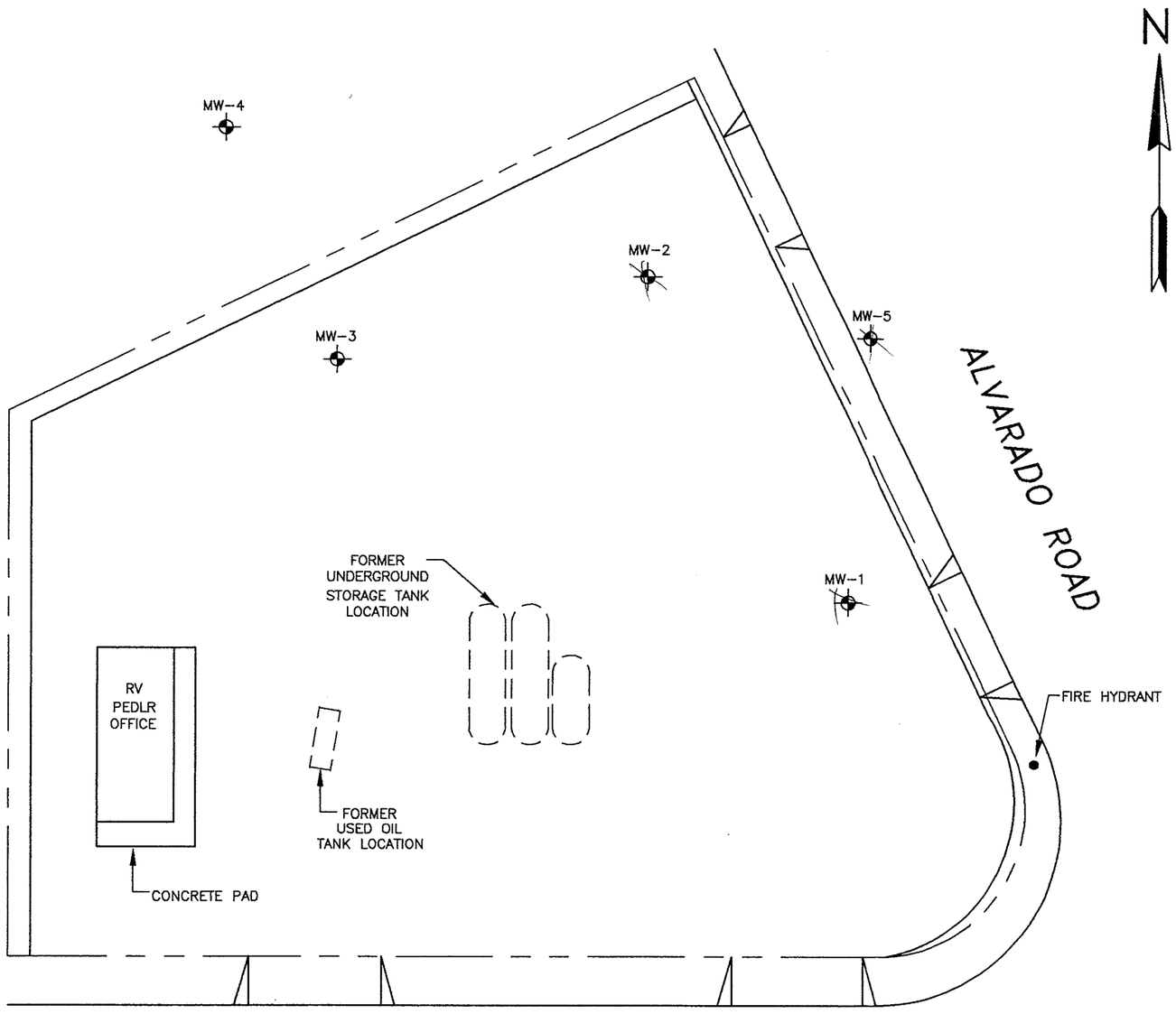
LA MESA

N

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

SITE LOCATION MAP

Wayne Perry Environmental Specialists	DWG. NO. 390000SL	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 1	DATE



KEY

MW-5 GROUNDWATER MONITORING WELL

SOURCE :

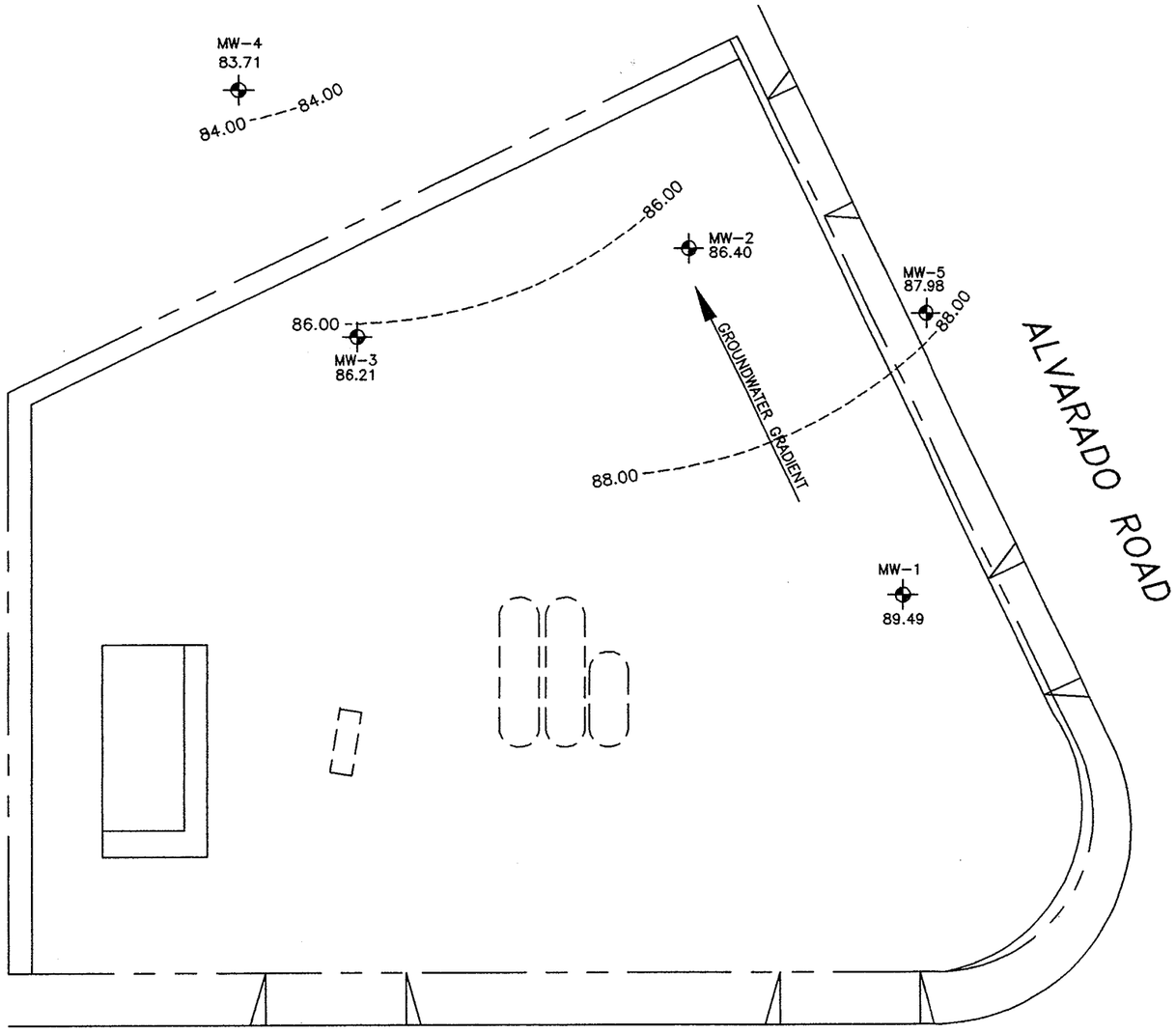
MODIFIED FROM A MAP CREATED BY
DELTA ENVIRONMENTAL INC., AND
SUPPLIED BY CHEVRON, U.S.A.

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

PLOT PLAN

	DWG. NO. 39000001	CHKD. BY
Wayne Perry Environmental Specialists	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 2	DATE 5/6/94



N

KEY

MW-5
87.98

MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL FOR APRIL THROUGH JUNE 1995.

----- 88.00 ----- GROUNDWATER CONTOUR

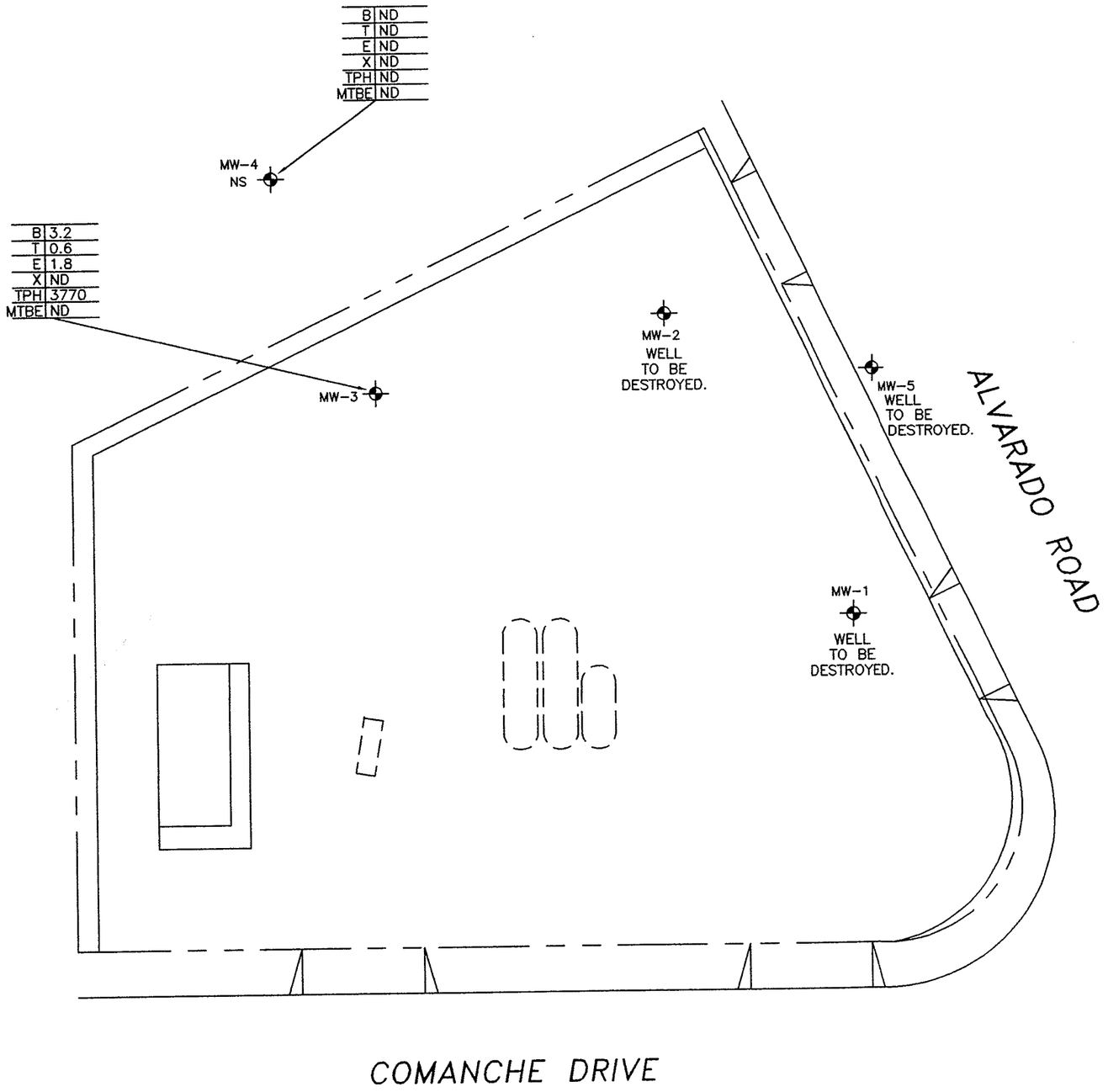
CONTOUR INTERVAL = 2.00 FEET

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

GROUNDWATER CONTOUR MAP

	DWG. NO. 39000002	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 3	DATE 7/20/95



N

KEY

MW-3 — GROUNDWATER MONITORING WELL SHOWING CONCENTRATIONS OF DISSOLVED HYDROCARBONS AND MTBE IN ug/L.

NOTES :

1. DATE OF SAMPLING – 6/12/95
2. ND – NOT DETECTED
3. NS – NOT SAMPLED, DATA IS FROM PREVIOUS SAMPLING EPISODES.

B – BENZENE
T – TOLUENE
E – ETHYLBENZENE
X – TOTAL XYLENES
TPH – TOTAL PETROLEUM HYDROCARBONS
MTBE – METHYL TERTIARY BUTYL ETHER

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

DISSOLVED HYDROCARBON AND MTBE CONCENTRATION MAP

ENVIRONMENTAL Wayne Perry SPECIALISTS	DWG. NO. 39000003	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 4	DATE 7/20/95

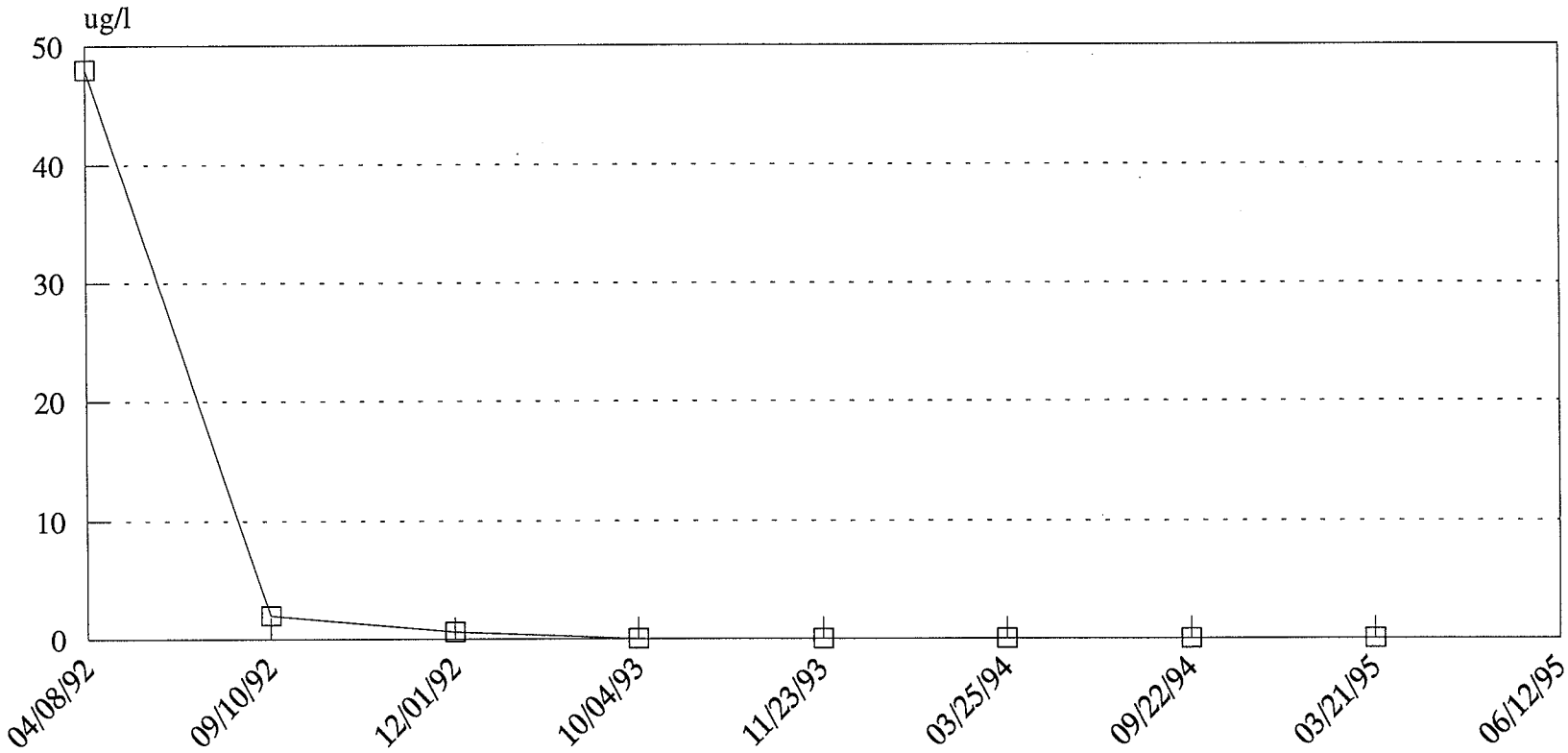
QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

GRAPHS

Graphs 1-2. Benzene Concentrations vs Time
Graphs 3-4. Hydrographs

Project No. 93.390

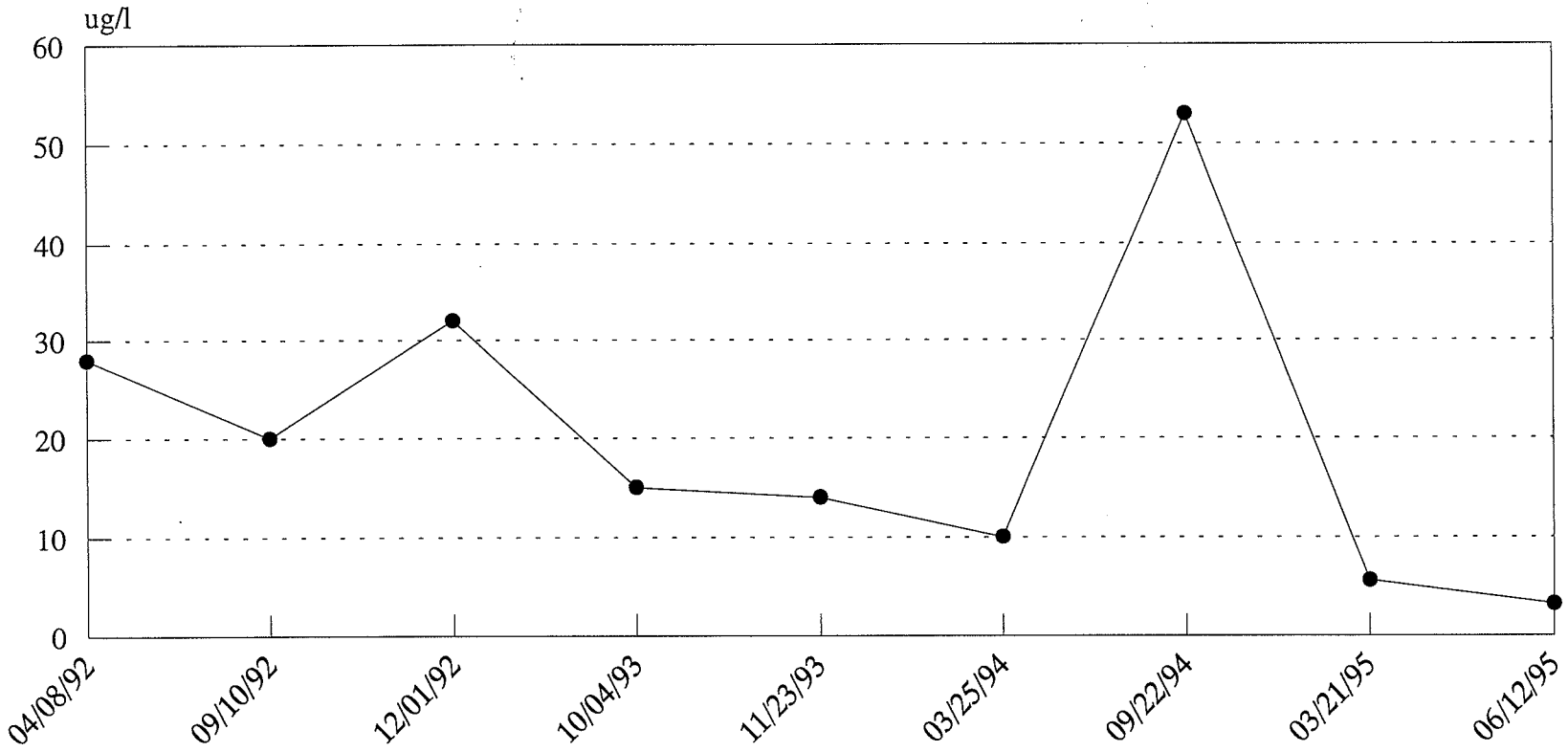
9-3521 Alvarado Rd / Comanche Dr
Benzene Concentrations Over Time



Graph 1

06/27/95
Project No. 93.390
Selectively not sampled.

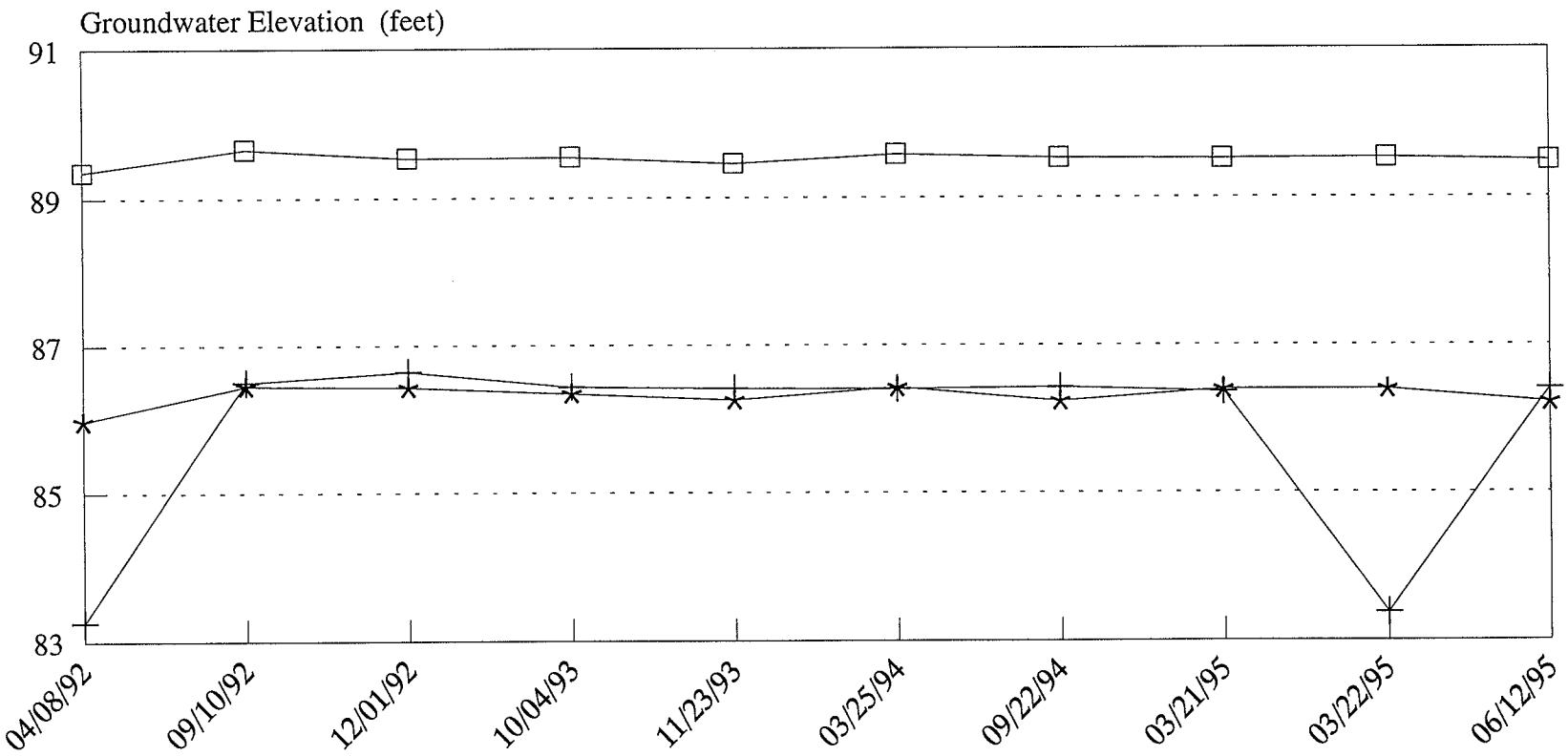
9-3521 Alvarado Rd / Comanche Dr
Benzene Concentrations Over Time



Graph 2

06/27/95
Project No. 93.390

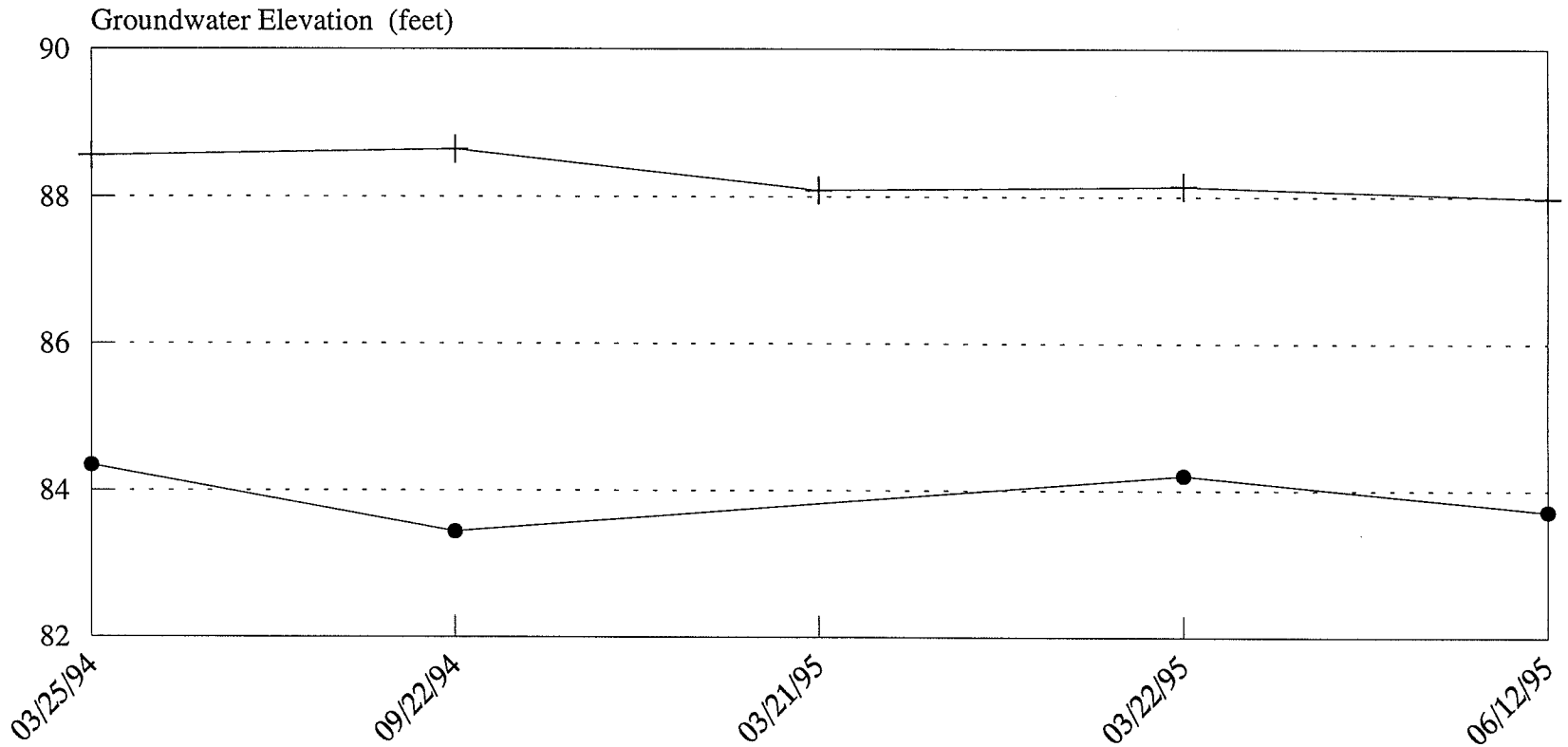
9-3521 Alvarado Rd / Comanche Dr
Hydrograph Over Time



Graph 3

06/27/95
Project No. 93.390

9-3521 Alvarado Rd / Comanche Dr
Hydrograph Over Time



Graph 4

06/27/95
Project No. 93.390

APPENDIX A

Disposal Documents
Groundwater Sampling Procedures
Field Testing Data

Copy #3 — Memorandum — Short Form — Not Negotiable
(Subject to Terms and Conditions on Reverse)

Shipper Perm. Address **Chevron U.S.A. Products Company**
575 Market Street, San Fra co, CA 94105

No. 072724

Rec'd at (Origin) station # 9-3-1 cross street # Alvarado/Kamole city # 62 La Mesa

6-12-95
Date

Cross Ref. B/L No.

Carrier

Subject to Section 7 of Conditions

☐ Prepaid
☐ Collect

F.O.B. ☐ Destination ☐ Origin

Consignee

Charge To

Ship To

Destination

Delivered By (Signature in Full)

Received by (Signature and Date) 6/13/95

Commodity Description	Temp.	Gross Gallons
Gasoline, 3, UN 1203, II, Marine Pollutant (Gasoline Leaded) Chevron Regular Gasoline		
Gasoline, 3, UN 1203, II Chevron Supreme Unleaded Gasoline		
Gasoline, 3, UN 1203, II Chevron Unleaded Gasoline		
Gasoline, 3, UN 1203, II Chevron Plus Unleaded Gasoline		
Fuel, Aviation, Turbine Engine, 3, UN 1863, III Chevron Jet Fuel A		
Groundwater	8	# gallons
Gas Oil, 3, UN 1202, III Chevron LS Diesel Fuel No. 1 (Diesel Fuel No. 1)		
Gas Oil, Combustible Liquid, Un 1202, III Chevron LS Diesel Fuel No. 2 (Diesel Fuel No. 2)		
Gas Oil, 3, UN 1202, III Chevron LS Heating Fuel No. 1 (Heating Fuel No. 1)		
Gas Oil, Combustible Liquid, UN 1202, III Chevron LS Heating Fuel No. 2 (Heating Fuel No. 2)		
Gas Oil, 3, UN 1202, III Chevron Special LS Diesel No. 1 (California Only)		
Gas Oil, Combustible Liquid, UN 1202, III Chevron Special LS Diesel No. 2 (California Only)		

This is to certify that the above-named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Shipper

Seal Nos.

Customer's Order No.

Shipper's Authorized Representative

Equipment No. Trk / Trl

Carrier certifies that cargo tank is a proper container for the transportation of this commodity under applicable D.O.T. regulations.

Markers Loaded To Trk / Trl

Innage (Inches) Trk / Trl

Signature Thomas Nelson

Meter Number	Product	Meter Reading Finish	Meter Reading Start	Gallons Loaded

Retains: Opening ☐ Closing ☐

Meter Number	Product	Meter Reading Finish	Meter Reading Start	Gallons Loaded

Retains: Opening ☐ Closing ☐

Released From Premises | Released From Rack | Started Loading | Spotted For Loading | Time Admitted To Premises

Scheduled Loading Time

Point to Point Only

Round Trip Miles | Non-Chg. Delay Mins. | Charged Delay Mins. | Non-Driving Time | Total Time Charged | Return Term./Yard | Finish Unloading | Arrive Destination | Started Haul | Arrived Load Point | Depart Term./Yard | Load No.

Comm Carrier

3 — Consignee's Copy

MS-1018 (9-93) Printed in U.S.A.

CARGO MANIFEST

DATE: 6-12-95

CARRIER'S NAME: Wayne Perry Construction, Inc.
8281 Commonwealth Avenue
Buena Park, California 90621
CSC LICENSE #: 300345 **EPA CAD:** 053841102

ORIGIN EMPTY: Wayne Perry Construction, Inc.
8301 Commonwealth Avenue
Buena Park, California 90621
CSC LICENSE #: 300345 **EPA CAD:** 053841102

Cargo tank capacity: ~~630 gallons~~ 550 gallons / 275 gallons **Tank #:** 22 **Truck #:** 317

Driver: Thomas Velazquez **Co-Driver:** lalo Godoy

DESTINATION EMPTY FOR CARGO LOADING:
Fletcher / Garfield — Job # 93.396
Alvarado / Commanche — Job # 93.390
Job #
Job #

CARGO CONTENTS OF LOAD:
100 % *Water*
0 % *Gasoline 3 (UN1203) FLAMMABLE PG II*
100 % *Total Liquid*

CARGO DESTINATION: El Segundo Refinery / Gate 3
302 East El Segundo Boulevard
El Segundo, California 90245
EPA CAD: 053841102

COMMENTS: *Loaded*

SIGNED: Thomas Velazquez

Truck must be unlocked at all times. This manifest must be on the seat within easy reach at all times, whether the truck is occupied or not. Keep on top of Gauge Sheet.

GROUNDWATER SAMPLING PROCEDURES

Prior to sampling, wells were purged of water using a stainless steel bailer. Fast recharging wells were purged of four casing volumes of water. Slow recharging wells were purged until dry and allowed to recover for two hours before sampling. Each casing volume of water was field tested for temperature, pH, and conductivity. The last casing volume was tested for redox potential and dissolved oxygen. Groundwater samples were field tested for turbidity. Field testing data are included in this appendix. Groundwater samples were obtained using a Teflon bailer equipped with a bottom emptying device and placed in VOA bottles with Teflon septums. All purging and sampling equipment was washed in non-phosphate soap and triple rinsed in distilled water between wells to reduce the potential for cross contamination.

In addition to the samples obtained from the wells, a trip blank was prepared to verify the integrity of the field and laboratory procedures. Samples were placed on ice to reduce the potential for volatilization. Samples were transported to a certified laboratory for analyses under strict chain-of-custody procedures.

All groundwater samples were tested for total petroleum hydrocarbons using EPA Test Method 8015-Modified for gasoline. Samples were also tested for purgeable aromatics and methyl tertiary butyl ether using EPA Test Method 602.

CHEVRON U.S.A. PRODUCTS COMPANY

San Diego County Locations

Field Temperature, Conductivity, pH, Turbidity, Redox, and Dissolved Oxygen Data Sheet

Cross Street: Alvarado Rd / Comanche Dr

Project No: 93.390
Date: 06/12/95

Well # MW-3	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time	12:20						Slow recharging well.
Purged Water (gal.)	1.5				1.5		
Temperature (°F)	76						
Conductivity (us/cm)	1.80						Begin purge time: 12:18
pH	7.0						End Sampling time: 12:44
Turbidity (NTU)						133.1	Total time: 00:26
eH (mV)	-60						
Dissolved Oxygen (ppm)	0.9						

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time							
Purged Water (gal.)					0		
Temperature (°F)							
Conductivity (us/cm)							Begin purge time:
pH							End Sampling time:
Turbidity (NTU)							Total time: 00:00
eH (mV)							
Dissolved Oxygen (ppm)							

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time							
Purged Water (gal.)					0		
Temperature (°F)							
Conductivity (us/cm)							Begin purge time:
pH							End Sampling time:
Turbidity (NTU)							Total time: 00:00
eH (mV)							
Dissolved Oxygen (ppm)							

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time							
Purged Water (gal.)					0		
Temperature (°F)							
Conductivity (us/cm)							Begin purge time:
pH							End Sampling time:
Turbidity (NTU)							Total time: 00:00
eH (mV)							
Dissolved Oxygen (ppm)							

Completed by: Thomas / Lalo

APPENDIX B

Laboratory Report
Chain-of-Custody Document

pace INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

June 23, 1995

Mike Bauer
Chevron USA, Inc
P.O. Box 2833
La Habra, CA 90632-2833

Re: PACE Project No.: CL2467
Client Reference: 93.390, Alvarado / Commanche

Dear Mike Bauer:

Enclosed is a report of laboratory analysis for the above referenced project. Samples were received under chain-of-custody at the Pace - Southern California Laboratory in Camarillo, California, on 06/13/95.

This report has been reviewed for accuracy and completeness and conforms to your analytical requirements.

If you have any questions regarding this report, require sampling supplies, field services or information on our analytical services, please call me at (805) 389-1353.

Sincerely,

Pace, Inc. - Southern California Laboratory

Brian G. Satterfield
Project Manager

This Cover Page is an integral part of the Analytical Report

17150 Newhope Street, Suite 502
Fountain Valley, CA 92708
TEL: 714-437-1959
FAX: 714-437-1462

An Equal Opportunity Employer

pace INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

Lab Number : CL2467
Project : 93.390, Alvarado / Commanche
Date Received: 06/13/95

CLIENT: Mike Bauer
Chevron USA, Inc
P.O. Box 2833
La Habra, CA 90632-2833

FAC.ID: 9-3521

REPORT OF ANALYTICAL RESULTS

SAMPLE ID	SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED
CL2467-1	MW-3	Aqueous	Thomas Velazquez	06/12/95 1244
CL2467-2	Trip Blank	Aqueous	Thomas Velazquez	06/12/95

CONSTITUENT	UNITS	*PQL	CL2467-1	CL2467-2
BTEX/TPH (Gas) + MTBE			E602/8015M	E602/8015M
Method:			KR	KR
Analyzed by:			06/19/95	06/19/95
Analyzed on:			1.0	1.0
Dilution Factor			1,2	1
Notes:				
MTBE	ug/L	0.5	ND	ND
Benzene	ug/L	0.5	3.2	ND
Toluene	ug/L	0.5	0.6	ND
Ethylbenzene	ug/L	0.5	1.8	ND
Xylenes (Total)	ug/L	1.5	ND	ND
TPH (Gasoline)	ug/L	500.	3770.	ND
a,a,a-Trifluorotoluene (Surrogate Percent Recovery)	ug/L		104.	98.

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS of 'ND' not detected at or above the listed PQL times Dilution Factor.
(1) Sample Preparation on 06/19/95 by KR using EPA 5030
(2) Sample pattern does not match that of the laboratory gasoline standard.

06/23/95
GC3/AB17007
KHR/jgygcc(dw)/khr
602/8015M-GC3-061895
CC: Truedi Balsitis
Wayne Perry Construction, Inc.
8301 West Commonwealth Avenue
Buena Park, CA 90621-2584

17150 Newhope Street, Suite 502
Fountain Valley, CA 92708
TEL: 714-437-1959
FAX: 714-437-1462

pace INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

QC Batch ID: 602/8015M-GC3-061895

CLIENT: PACE, Incorporated

Analyzed : 06/18/95
Analyzed by: KR
Method : E602/8015M

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
METHOD BLANK	Aqueous			

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
				1
BTEX/TPH (Gas) + MTBE		0.5	ND	
MTBE		0.5	ND	
Benzene		0.5	ND	
Toluene		0.5	ND	
Ethylbenzene		1.5	ND	
Xylenes (Total)		500.	ND	
TPH (Gasoline)			98.	
a,a,a-Trifluorotoluene (Surrogate Percent Recovery)				

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 06/18/95 by KR using EPA 5030

06/23/95
GC3/AB169004
KHR/jgygcc(dw)/khr

17150 Newhope Street, Suite 502
Fountain Valley, CA 92708
TEL: 714-437-1959
FAX: 714-437-1462

pace INCORPORATED
ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

QC Batch ID: 602/8015M-GC3-061895

CLIENT: PACE, Incorporated

Analyzed : 06/19/95
Analyzed by: KR
Method : E602/8015M

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
METHOD BLANK	Aqueous			

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
BTEX/TPH (Gas) + MTBE				1
MTBE		0.5	ND	
Benzene		0.5	ND	
Toluene		0.5	ND	
Ethylbenzene		0.5	ND	
Xylenes (Total)		1.5	ND	
TPH (Gasoline)		500.	ND	
a,a,a-Trifluorotoluene (Surrogate Percent Recovery)			98.	

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 06/19/95 by KR using EPA 5030

06/23/95
GC3/AB170004
KHR/jgygcc(dw)/khr

REPORT OF LABORATORY ANALYSIS

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

QC Batch ID: 602/8015M-GC3-061895

CLIENT: PACE, Incorporated

Analyzed : 06/18/95
Analyzed by: KR
Method : E602/8015M

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
METHOD BLANK	Aqueous			

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
BTEX + TPH (Gasoline)				1
Benzene		0.3	ND	
Toluene		0.3	ND	
Ethylbenzene		0.3	ND	
Xylenes (Total)		0.6	ND	
TPH (Gasoline)		500.	ND	
a,a,a-Trifluorotoluene (Surrogate Percent Recovery)			98.	

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 06/18/95 by KR using EPA 5030

06/23/95
GC3/AB169004
KHR/jgygcc(dw)/khr

17150 Newhope Street, Suite 502
Fountain Valley, CA 92708
TEL: 714-437-1959
FAX: 714-437-1462

ENVIRONMENTAL LABORATORIES

REPORT OF LABORATORY ANALYSIS

Southern California Laboratory
4765 Calle Quetzal, Camarillo, California 93012
(805) 389-1353
FAX (805) 389-1438

QC Batch ID: 602/8015M-GC3-061895

CLIENT: PACE, Incorporated

Analyzed : 06/18/95
Analyzed by: KR
Method : E602/8015M

QC SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED	DATE RECEIVED
QC SPIKE	Aqueous			

CONSTITUENT	*PQL µg/L	SPIKE AMOUNT	RESULT µg/L	%REC	NOTE
BTEX + TPH (Gasoline)					1
Benzene	0.3	20.	20.	100.	
Toluene	0.3	20.	19.	95.	
Ethylbenzene	0.3	20.	20.	100.	
Xylenes (Total)	0.6	60.	60.	100.	

Lab Certifications: CAELAP #1598; UTELAP #E-142; AZELAP #AZ0162; A2LA #0136-01; L.A.Co.CSD #10187
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 06/18/95 by KR using EPA 5030

06/23/95
GC3/B169002
KHR/jgygcc(dw)/khr

17150 Newhope Street, Suite 502
Fountain Valley, CA 92708
TEL: 714-437-1959
FAX: 714-437-1462

CHEVRON USA, Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

Project Name Alvarado / Commanche
Project I.D. No. 93.390
Consultant Name WAYNE PERRY CONSTRUCTION, INC.
Address 8281 COMMONWEALTH, BUENA PARK, CA
Project Contact (Name) TRUEDI
(Phone) 714/826-0352
Chevron Facility No. # 9-3521
Chevron Contact (Name) Mike Bauer
(Phone)

Laboratory Name "Pace"
Contact Number
Collected By (Name) Thomas Velazquez
(Signature) Thomas Velazquez
Collection Date 6-12-95

CHAIN-OF-CUSTODY RECORD

Use San Diego Detection Limits

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 "GAS" TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 "MTBE" AROMATIC VOLATILES-BTXE	EPA 602 AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
X mw-3		2		X			6/12/95	12:44	X	X		X		X							TpH-gas 8015 Btex/MTBE 8020 CL2467
X Trip blank		↓					↓		↓	↓		↓		↓							

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Thomas Velazquez	W.P.C	19:00 6-12-95	[signature]	WPI	19:00 6-12-95
[signature]	WPI	10:00 6-13-95	[signature]	Pace	1000 6/13/95
[signature]	Pace	1330 6/13/95	RECEIVED FOR LABORATORY BY (Signature) [signature]		6-13-95 1330

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS
48 HRS
10 DAYS

SW FORM E-1-89

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121 USA
Tel: (619) 453-8415

FAX COVER SHEET

TO: Mike Porter

COMPANY: San Diego SAMD

FAX NO.: 338-2377

FROM: TIM BUSBY

DATE: 6/7/95

NO. OF PAGES (including cover sheet): 6

Re: workplan, Chevron 9-3521

If you do not receive any of the pages, please call (619) 453-8415
Fax No. (619) 453-2688

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121 USA
Tel: (619) 453-8415

June 6, 1995

Mr. Mike Porter
County of San Diego
Site Assessment & Mitigation Division (SAMD)
P.O. Box 85261
San Diego, CA 92186-5261

H12687-002

Subject: Work Plan to Destroy Three Monitoring Wells
Chevron Service Station 9-3521, 7651 Alvarado Road, La Mesa, California
GTI Project 023400112

Dear Mr. Porter:

The following document is a work plan to destroy two on-site and one off-site monitoring wells at Chevron Service Station 9-3521 located at 7651 Alvarado Road, La Mesa, California (Figures 1 and 2). The wells are being destroyed to prevent potential contamination from surface runoff. Wells MW-1, MW-2, and MW-5 consist of 4-inch diameter Schedule 40 PVC screen and casing and are set at approximately 15 feet below grade. The wells were drilled using a hollow stem auger rig equipped with 10-inch augers. Groundwater Technology proposes to use a Mobile B61 HDX drill rig to drill out the PVC and annular materials. Each well will be overdrilled by approximately 2-feet to insure that all well construction materials have been removed. Wells MW-1 and MW-2 will be grouted to near grade with bentonite grout using a tremie pipe and completed at the surface with concrete. Well MW-5, located within Alvarado Road, will be backfilled to City of La Mesa specifications (attached).

SCOPE OF WORK

The following is a summary of the proposed scope of services to be performed:

- Obtain well permits from the County of San Diego SAMD for the destruction of three wells.
- Obtain approval from the City of La Mesa to enter the public right-of-way to destroy MW-5. Traffic control will be provided by a subcontractor.
- Destroy three 15-foot monitoring wells as described above.
- Prepare a "30-Day" report.

Work will be scheduled immediately after approval of this work plan.

Should you have any questions regarding this letter, please call the undersigned at (619) 453-8415.

Respectfully submitted,

Groundwater Technology, Inc.
Submitted by:

Timothy Busby
Geologist

Groundwater Technology, Inc.
Approved by:

Charles Wyatt
Lead Engineer

Kyle Rheubottom, RG
Operations Manager

Attachments: Figures 1 and 2
Typical Trench Backfill and Trench Pavement

c: Mr. Mike Bauer; Chevron USA Products Company

TB:kae

REGISTERED GEOLOGIST
KYLE
RHEUBOTTOM
No. 5100
STATE OF CALIFORNIA

023400112
0112L-3.24/Ch 9-3521/#1



SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLE
LA MESA, CA
7.5 MINUTE SERIES
1967/1975

SITE LOCATION

SCALE 1:24,000

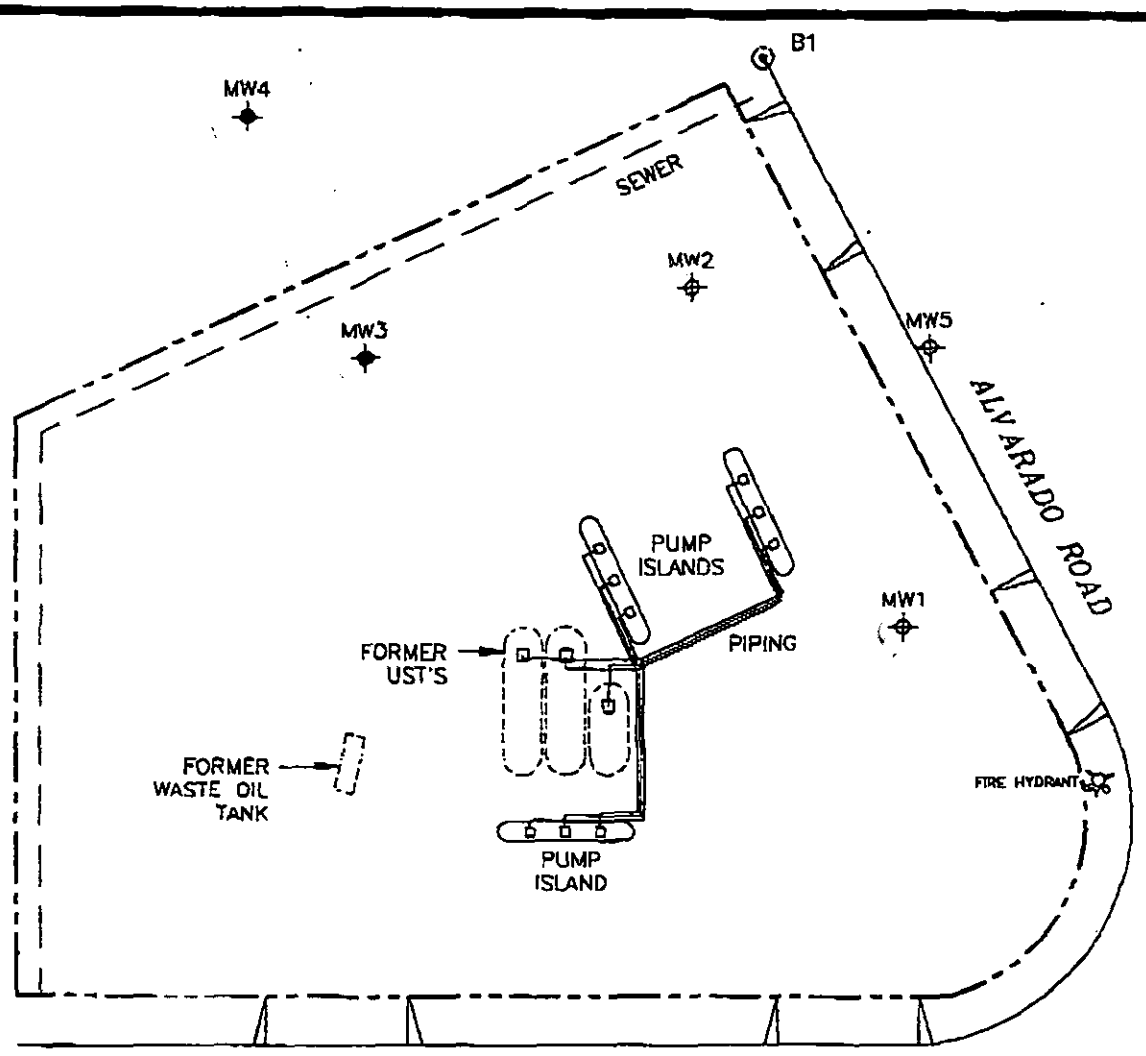
0 2,000 4,000

SCALE FEET

GROUNDWATER TECHNOLOGY

SITE LOCATION MAP

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION 9-3521	FILE: 4779SL (1:1)	PROJECT NO.: 023404779	PM	PE/RG
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	REV.			FIGURE: 1
	DES. JM	DET. CCG	DATE: 05/12/94	



EXPLANATION

- MONITORING WELL
- MONITORING WELL TO BE DESTROYED
- BORING

NOTES:

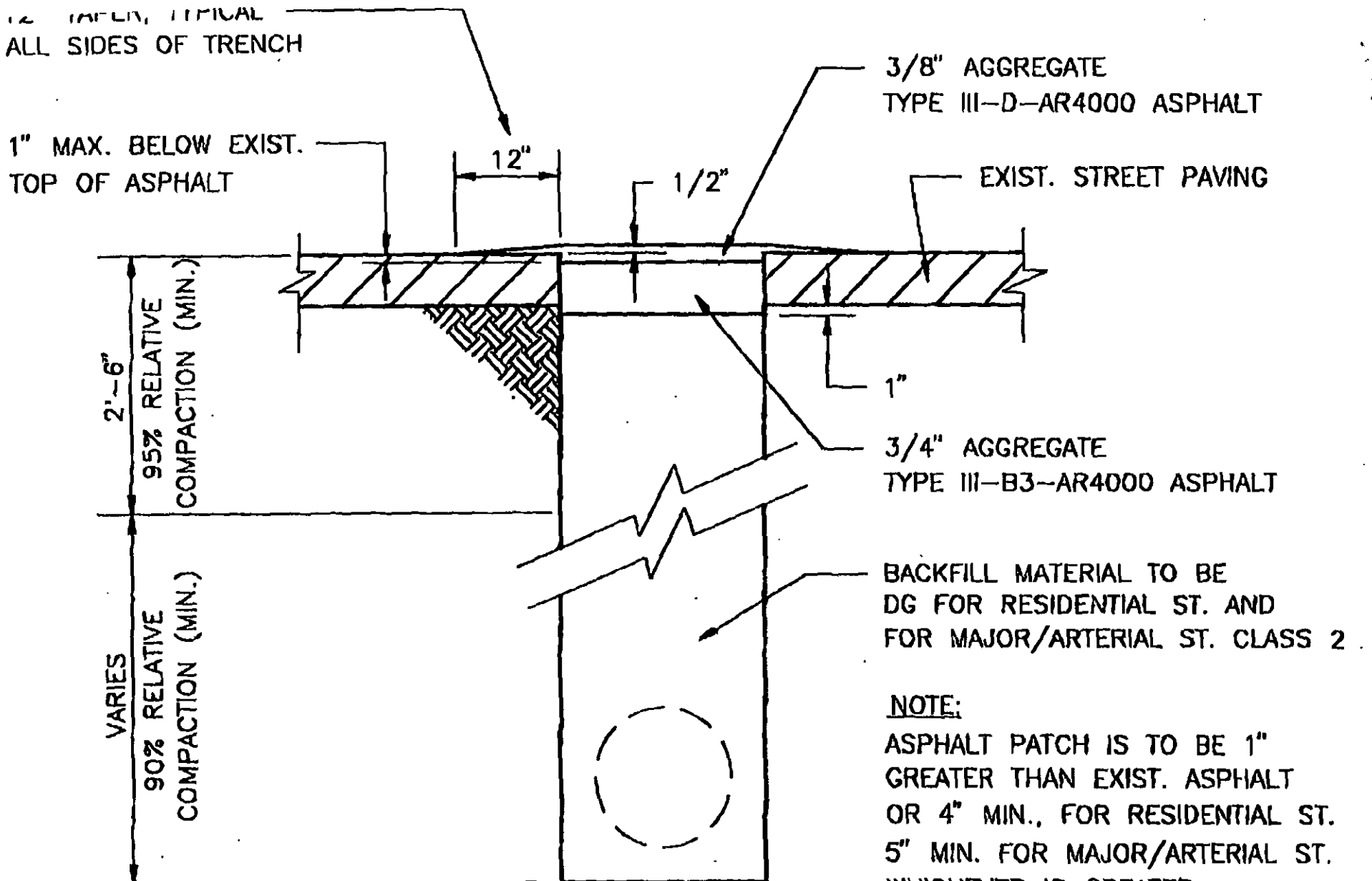
1. DRAWING ADAPTED FROM CHEVRON GROUND & GRADE, 04/10/72.
2. LOCATIONS FOR WELLS MW4 AND MW5 FROM LAND TECHNOLOGY SURVEY, 2/94.

GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

SITE PLAN

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-3521	FILE: 4779SM1 (1:480)	PROJECT NO.: 023404779	PM	PE/RG	
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	REV.			FIGURE: 2	
	DES. TB	DET. PJWH	DATE: 03/24/95		



TYPICAL TRENCH BACK FILL AND TRENCH PAVEMENT

ITY OF LA MESA JUNE, 1994

06/07/95 14:41 619 453 2688 GROUNDWATER TECH

GROUNDWATER TECHNOLOGY ®

Groundwater Technology, Inc.
9940 Mesa Rim Road, Suite B, San Diego, CA 92121 USA
Tel: (619) 453-8415

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ENVIRONMENTAL HEALTH SERVICES

June 6, 1995

Mr. Mike Porter
County of San Diego
Site Assessment & Mitigation Division (SAMD)
P.O. Box 85261
San Diego, CA 92186-5261

H12687-002

Subject: Work Plan to Destroy Three Monitoring Wells
Chevron Service Station 9-3521, 7651 Alvarado Road, La Mesa, California 91941 - 3611
GTI Project 023400112

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023400112
0112L-3.24/Ch 9-3521/#1

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Respectfully submitted,

Groundwater Technology, Inc.
Submitted by:

Timothy Busby
Geologist

Groundwater Technology, Inc.
Approved by:

Charles Wyatt
Lead Engineer

Kyle Rheubottom, RG
Operations Manager

Attachments: Figures 1 and 2
Typical Trench Backfill and Trench Pavement

c: Mr. Mike Bauer; Chevron USA Products Company

TB:kae

REGISTERED GEOLOGIST
KYLE
RHEUBOTTOM
No. 5100
STATE OF CALIFORNIA

023400112
0112L-3.24/Ch 9-3521/#1

GROUNDWATER TECHNOLOGY



SOURCE: U.S.G.S. TOPOGRAPHIC QUADRANGLE
LA MESA, CA
7.5 MINUTE SERIES
1967/1975

SITE LOCATION

SCALE 1:24,000

0 2,000 4,000

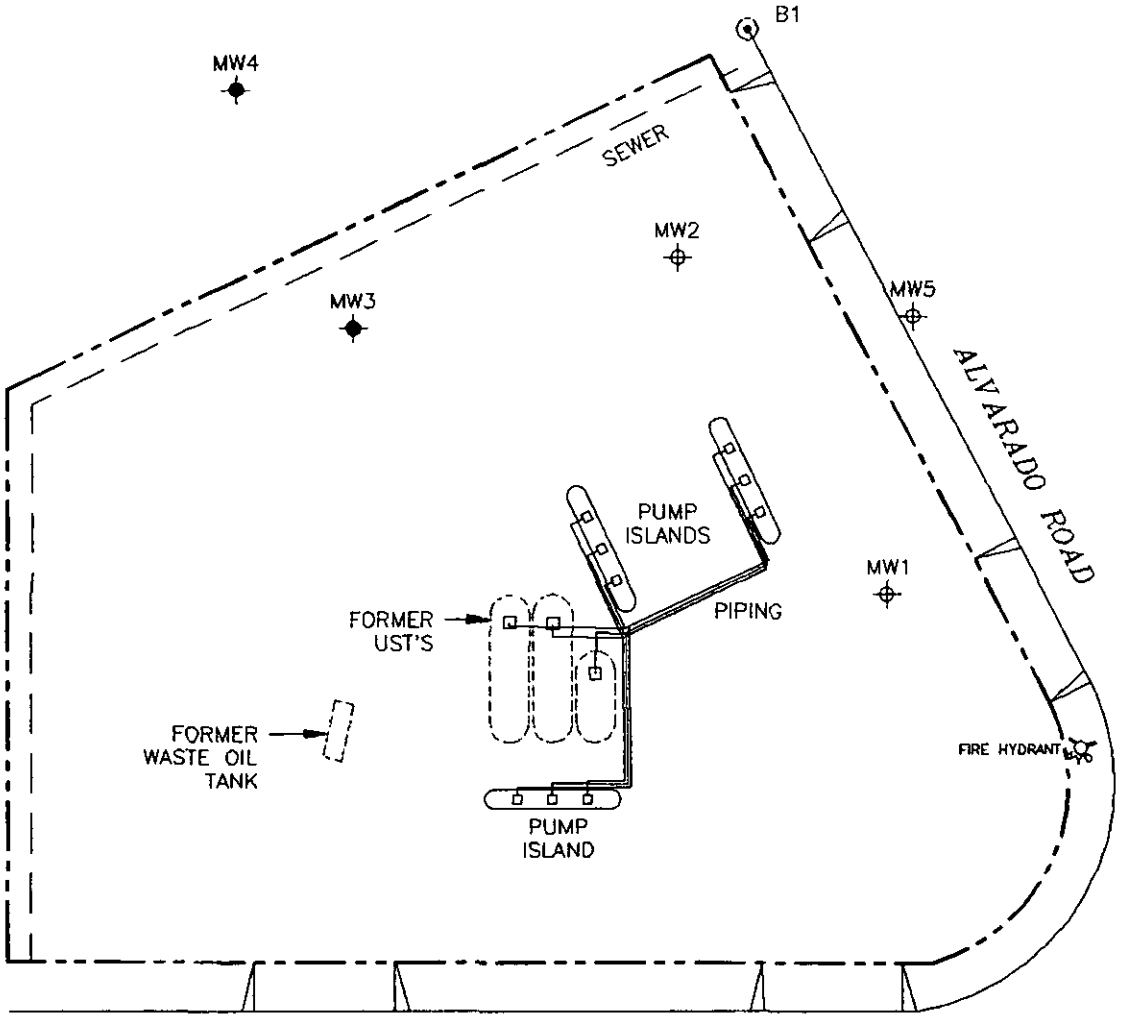
SCALE FEET



GROUNDWATER TECHNOLOGY

SITE LOCATION MAP

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION 9-3521	FILE: 4779SL (1:1)	PROJECT NO.: 023404779		PM	PE/RG
	REV.				FIGURE: 1
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	DES. JM	DET. CCG	DATE: 05/12/94		



EXPLANATION

- MONITORING WELL
- MONITORING WELL TO BE DESTROYED
- BORING

NOTES:

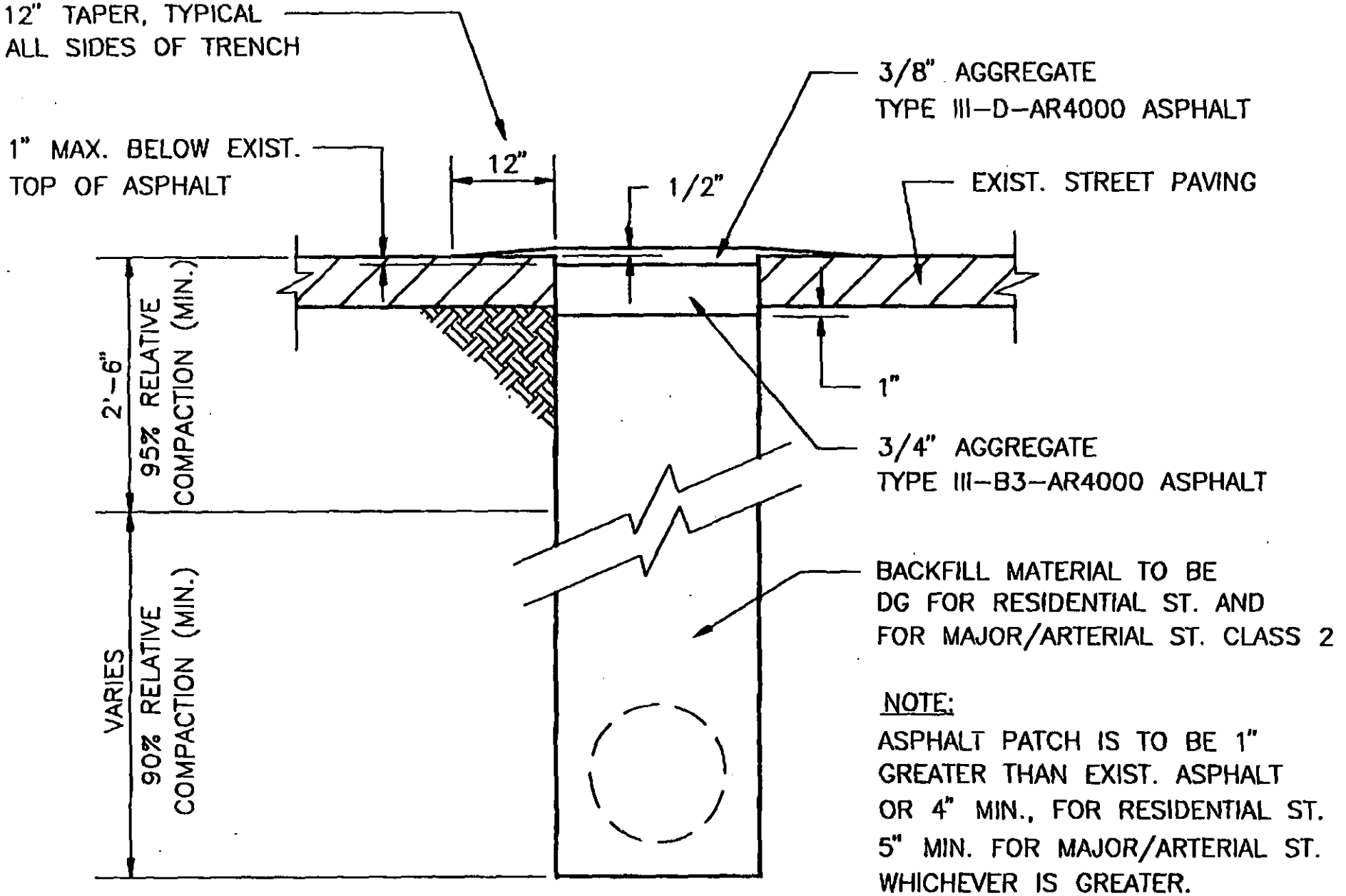
1. DRAWING ADAPTED FROM CHEVRON GROUND & GRADE, 04/10/72.
2. LOCATIONS FOR WELLS MW4 AND MW5 FROM LAND TECHNOLOGY SURVEY, 2/94.

GROUNDWATER TECHNOLOGY

0 FEET 40
SCALE

SITE PLAN

CLIENT: CHEVRON U.S.A. PRODUCTS CO. SERVICE STATION No. 9-3521	FILE: 4779SM1 (1:480)	PROJECT NO.: 023404779	PM	PE/RG	
	REV.				
LOCATION: 7651 ALVARADO ROAD LA MESA, CA	DES. TB	DET. PJWH	DATE: 03/24/95	FIGURE: 2	



NOTE:

ASPHALT PATCH IS TO BE 1" GREATER THAN EXIST. ASPHALT OR 4" MIN., FOR RESIDENTIAL ST. 5" MIN. FOR MAJOR/ARTERIAL ST. WHICHEVER IS GREATER.

TYPICAL TRENCH BACK FILL AND TRENCH PAVEMENT

CITY OF LA MESA JUNE, 1994

PREPARED FOR: **Mr. Michael Bauer**
Chevron U.S.A. Products Company
1300 South Beach Boulevard
La Habra, California 90631

RECEIVED
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ENVIRONMENTAL
HEALTH SERVICES

QUARTERLY MONITORING REPORT
APRIL 1 THROUGH JUNE 30, 1996
FORMER CHEVRON SERVICE STATION # 9-3521
7651 Alvarado Road
La Mesa, California

JUNE 30, 1996

PREPARED BY: WAYNE PERRY, INC.
8281 West Commonwealth Avenue
Buena Park, California 90621

WRITTEN BY:

Truedi Balsitis

TRUEDI BALSITIS
Groundwater Monitoring Program
Project Manager

REVIEWED BY:

David M. Henry

DAVID M. HENRY
Registered Geologist No. 4085

ready to close

Project No. 93.390

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION *1*
ANALYTICAL RESULTS SUMMARY *1*
CONCLUSIONS *2*

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TABLE 2	*HISTORIC GROUNDWATER ANALYSES AND GAUGING RESULTS*

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FIGURE 2	*PLOT PLAN*
FIGURE 3	*GROUNDWATER ELEVATION MAP*
FIGURE 4	*DISSOLVED HYDROCARBON AND MTBE CONCENTRATION MAP*

GRAPHS

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	GROUNDWATER SAMPLING PROCEDURES
	FIELD TESTING DATA
APPENDIX B	*LABORATORY REPORT*
	CHAIN-OF-CUSTODY DOCUMENT

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION

Enclosed is the quarterly monitoring report for former Chevron Station No. 9-3521 located at 7651 Alvarado Road in the city of La Mesa (Figures 1 and 2). This report updates groundwater monitoring activities performed between April 1, and June 30, 1996.

On May 6, 1996, monitoring well MW-3 was gauged and sampled and monitoring well MW-4 was selectively gauged per prior agreement between Michael Bauer of Chevron USA Products Company and Michael Porter of San Diego County, Site Assessment and Mitigation Unit. A description of groundwater sampling procedures is presented in Appendix A. Gauging data are presented in Table 1 and were used to derive a groundwater elevation map (Figure 3).

Purged groundwater was transported to the Chevron Refinery in El Segundo for recycling. Copies of the disposal documents are presented in Appendix A.

ANALYTICAL RESULTS SUMMARY

A trip blank was prepared and analyzed to verify the integrity of field and laboratory procedures. Groundwater and blank samples were tested for total petroleum hydrocarbons-gasoline using EPA Test Method 8015-Modified and benzene, toluene, ethyl benzene, and xylenes using EPA Test Method 8020. The sample from well MW-3 was also tested for volatile organics using EPA Test Method 8240 and methyl tertiary butyl ether using EPA Test Method 8020. A copy of the laboratory report and chain-of-custody document are included in Appendix B. Results of the laboratory analyses for samples obtained on May 6, 1996, are provided in Table 1. A summary of groundwater analyses is presented in Table 2.

Results of the laboratory analyses indicate concentrations of TPH-gasoline was 890 ug/l in the sample from well MW-3. The level of benzene was 4 ug/l in the sample from well MW-3. Dissolved hydrocarbon concentrations are shown on Figure 4.

The concentration of methyl tertiary butyl ether was 12 ug/l in the sample from well MW-3.

CONCLUSIONS

Comparison of laboratory data from the previous monitoring episode indicates concentrations of dissolved hydrocarbons increased in the sample from well MW-3. Benzene exceeded action levels in the sample from well MW-3. Benzene concentrations over time are shown on Graphs 1 and 2. Levels of methyl tertiary butyl ether increased in the sample from well MW-3.

Groundwater elevations increased by 0.12 foot in well MW-3 and decreased by 0.16 foot in well MW-4 as compared to the previous monitoring episode. Groundwater elevations over time are shown on Graphs 3 and 4.

o o O o o

This report has been prepared for the exclusive use of Chevron U.S.A. Products Company as it pertains to their site located at 7651 Alvarado Road, La Mesa, California. No warranty, expressed or implied, is made as to the professional advice in this report.

TABLES

Table 1. Groundwater Analyses and Gauging Results
Table 2. Historic Groundwater Analyses and Gauging Results

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 1. WATER ANALYSES AND GAUGING RESULTS FOR FORMER
CHEVRON STATION # 9-3521 GAUGED AND SAMPLED ON MAY 6, 1996

WELL	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	TOTAL HYDRO-CARBONS GASOLINE	MTBE EPA 8020	MTBE EPA 8240	ETHYL BENZENE EPA 8240	DEPTH TO WATER	HYDRO-CARBON THICKNESS	GROUND-WATER ELEVATION	TOP OF CASING	DEPTH OF WELL	eH	DISSOLVED OXYGEN	COMMENTS
-	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(feet)	(feet)	(feet)	(feet)	(feet)	(mV)	(ppm)	
ND=	<0.5	<0.5	<0.5	<1.5	<500	<20	<5	<0.5								
MW-3	4	1	9	4	890	ND	12	9	10.99	0.00	86.20	97.19	13.40	OR	1.0	
MW-4									9.54	0.00	83.63	93.17	11.10			

Note: MTBE = methyl tertiary butyl ether

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	MTBE EPA 8020 (ug/l)	MTBE EPA 8240 (ug/l)	ETHYL BENZENE EPA 8240 (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	eH (mV)	DISSOLVED OXYGEN (ppm)	COMMENTS
04/08/92	MW-1	ND	ND	ND	ND	ND				6.46	0.00	89.36	95.82				
09/10/92	MW-1	ND	ND	ND	ND	ND				6.16	0.00	89.66	95.82				
12/01/92	MW-1	ND	ND	ND	ND	ND				6.28	0.00	89.54	95.82				
10/04/93	MW-1	ND	ND	ND	ND	ND				6.27	0.00	89.55	95.82	14.74			
11/23/93	MW-1	ND	ND	ND	ND	ND				6.36	0.00	89.46	95.82	14.71			
03/25/94	MW-1	ND	ND	ND	ND	ND	ND			6.24	0.00	89.58	95.82	14.76	125	2.1	
09/22/94	MW-1	ND	ND	ND	ND	ND	ND			6.29	0.00	89.53	95.82	14.76	80	1.2	
03/21/95	MW-1									6.30	0.00	89.52	95.82	14.25			
03/22/95	MW-1									6.29	0.00	89.53	95.82	14.75			
06/02/95	MW-1									6.33	0.00	89.49	95.82	14.73			Well abandoned
04/08/92	MW-2	48	13	4.6	17	800				10.61	0.00	83.25	93.86				
09/10/92	MW-2	2	4	ND	ND	ND				7.36	0.00	86.50	93.86				
12/01/92	MW-2	0.6	0.4	ND	0.7	ND				7.22	0.00	86.64	93.86				
10/04/93	MW-2	ND	ND	ND	ND	ND				7.43	0.00	86.43	93.86	14.18			
11/23/93	MW-2	ND	ND	ND	ND	ND				7.45	0.00	86.41	93.86	14.18			
03/25/94	MW-2	ND	ND	ND	ND	ND	ND			7.46	0.00	86.40	93.86	14.26	0	1.3	
09/22/94	MW-2	ND	ND	ND	ND	ND	ND			7.44	0.00	86.42	93.86	14.22	-40	1.1	
03/21/95	MW-2	ND	ND	ND	ND	ND	ND			7.50	0.00	86.36	93.86	14.22	95	1.8	
03/22/95	MW-2									10.49	0.00	83.37	93.86	14.17			
06/02/95	MW-2									7.46	0.00	86.40	93.86	14.19			Well abandoned
04/08/92	MW-3	28	5.1	320	640	21000				11.22	0.00	85.97	97.19				
09/10/92	MW-3	20	22	100	27	8400				10.74	0.00	86.45	97.19				
12/01/92	MW-3	32	2.7	120	29	11000				10.76	0.00	86.43	97.19				
10/04/93	MW-3	15	1	40	9	4800				10.85	0.00	86.34	97.19	13.36			
11/23/93	MW-3	14	0.9	78	19	5500				10.94	0.00	86.25	97.19	13.34			
03/25/94	MW-3	10	ND	58	12	4300	ND			10.77	0.00	86.42	97.19	13.38	0	0.9	
09/22/94	MW-3	53	ND	15	2.9	3500	12			10.96	0.00	86.23	97.19	13.40	OR	0.5	
03/21/95	MW-3	5.6	1.4	8.5	2.9	3400	9.1			10.80	0.00	86.39	97.19	13.38	OR	2.2	
03/22/95	MW-3									10.80	0.00	86.39	97.19	13.39			
06/02/95	MW-3	3.2	0.6	1.8	ND	3770	ND			10.98	0.00	86.21	97.19	13.35	-60	0.9	
09/13/95	MW-3	7	1	ND	30	2160	ND			11.01	0.00	86.18	97.19	13.36	-35	0.8	
11/07/95	MW-3	3	5	7	9	2100	ND			11.09	0.00	86.10	97.19	13.36	105	1.7	
02/08/96	MW-3	2	1	5	2	1990	ND			11.11	0.00	86.08	97.19	13.37	OR	1.8	
05/06/96	MW-3	4	1	9	4	890	ND	12	9	10.99	0.00	86.20	97.19	13.40	OR	1.0	
03/25/94	MW-4	ND	ND	ND	ND	ND	ND			8.83	0.00	84.34	93.17	10.69	125	1.2	
09/22/94	MW-4	ND	ND	ND	ND	ND	ND			9.74	0.00	83.43	93.17	10.71	90	0.9	
03/21/95	MW-4												93.17				Inaccessible
03/22/95	MW-4	ND	ND	ND	ND	ND	ND			8.97	0.00	84.20	93.17	11.05	110	1.6	
06/02/95	MW-4									9.46	0.00	83.71	93.17	11.01			
09/13/95	MW-4									9.70	0.00	83.47	93.17	11.11			
11/07/95	MW-4									9.72	0.00	83.45	93.17	11.05			
02/08/96	MW-4	ND	ND	ND	ND	ND	ND			9.33	0.00	83.84	93.17	10.83	25	2.2	

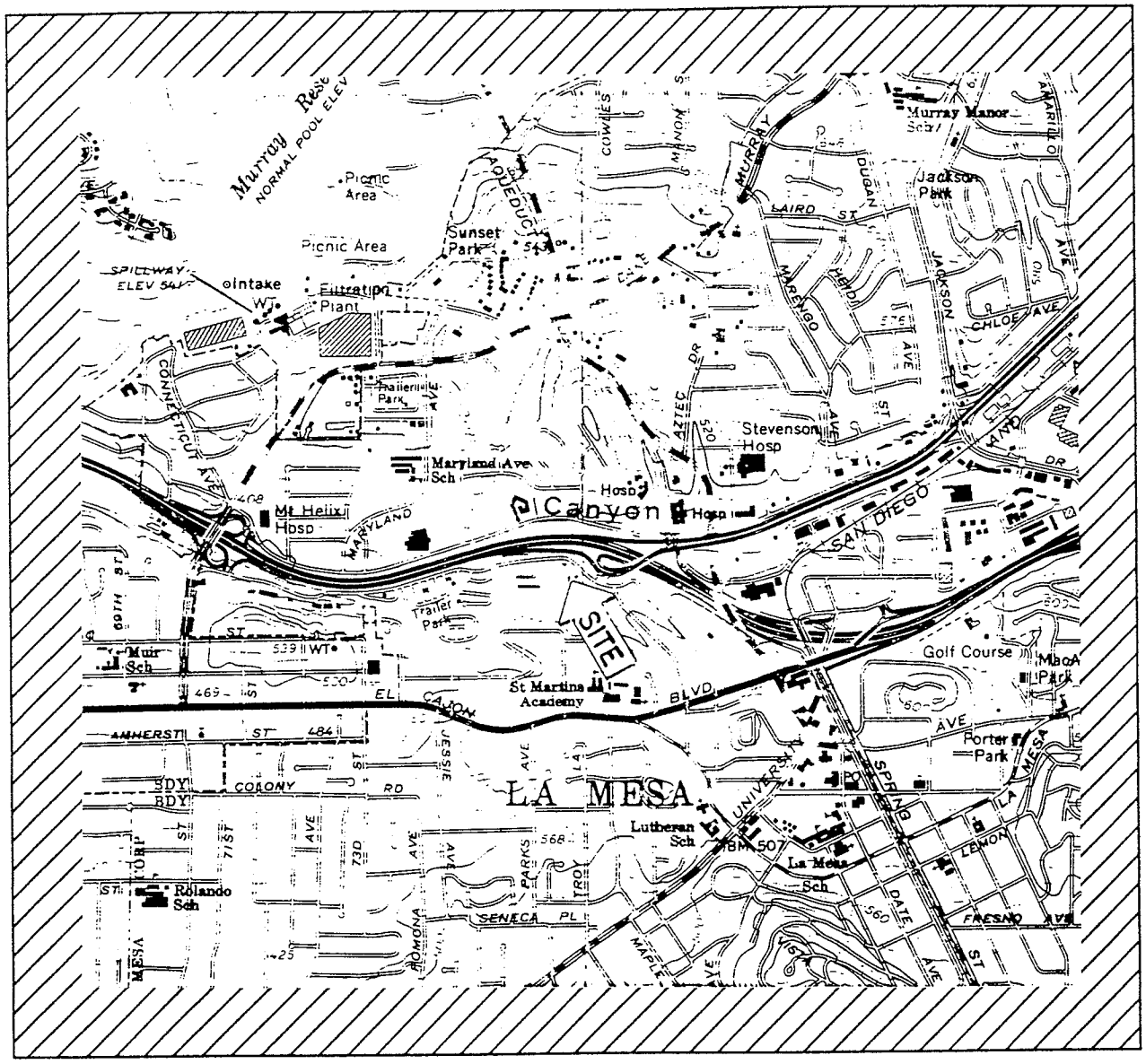
CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	MTBE EPA 8020 (ug/l)	MTBE EPA 8240 (ug/l)	ETHYL BENZENE EPA 8240 (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	eH (mV)	DISSOLVED OXYGEN (ppm)	COMMENTS
05/06/96	MW-4									9.54	0.00	83.63	93.17	11.10			
03/25/94	MW-5	ND	ND	ND	ND	ND	ND			3.50	0.00	88.55	92.05	14.20	85	1.4	
09/22/94	MW-5	ND	ND	ND	ND	ND	ND			3.42	0.00	88.63	92.05	14.20	45	1.4	
03/21/95	MW-5									3.96	0.00	88.09	92.05	14.20			
03/22/95	MW-5									3.91	0.00	88.14	92.05	14.19			
06/02/95	MW-5									4.07	0.00	87.98	92.05	14.17			Well abandoned

FIGURES

Figure 1. Site Location Map
Figure 2. Plot Plan
Figure 3. Groundwater Elevation Map
Figure 4. Dissolved Hydrocarbon and MTBE Concentration Map



2000' 0 2000' 4000'

SCALE FEET

SOURCE :

7.5 MINUTE U.S.G.S.

QUADRANGLE :

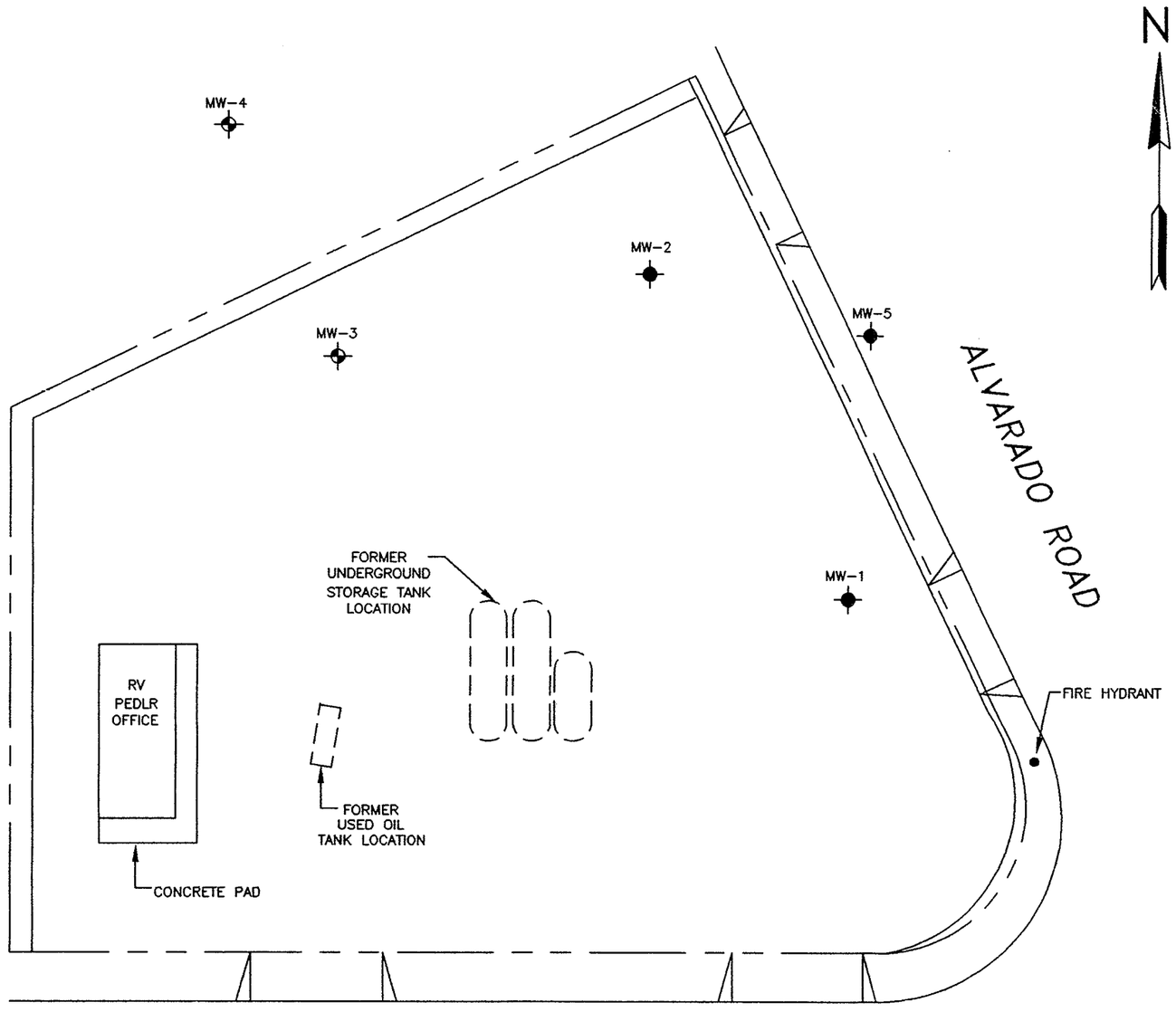
LA MESA

N

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

SITE LOCATION MAP

ENVIRONMENTAL Wayne Perry SPECIALISTS	DWG. NO. 390000SL	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 1	DATE



N

KEY

MW-4 GROUNDWATER MONITORING WELL

MW-5 ABANDONED MONITORING WELL

SOURCE :

MODIFIED FROM A MAP CREATED BY DELTA ENVIRONMENTAL INC., AND SUPPLIED BY CHEVRON, U.S.A.

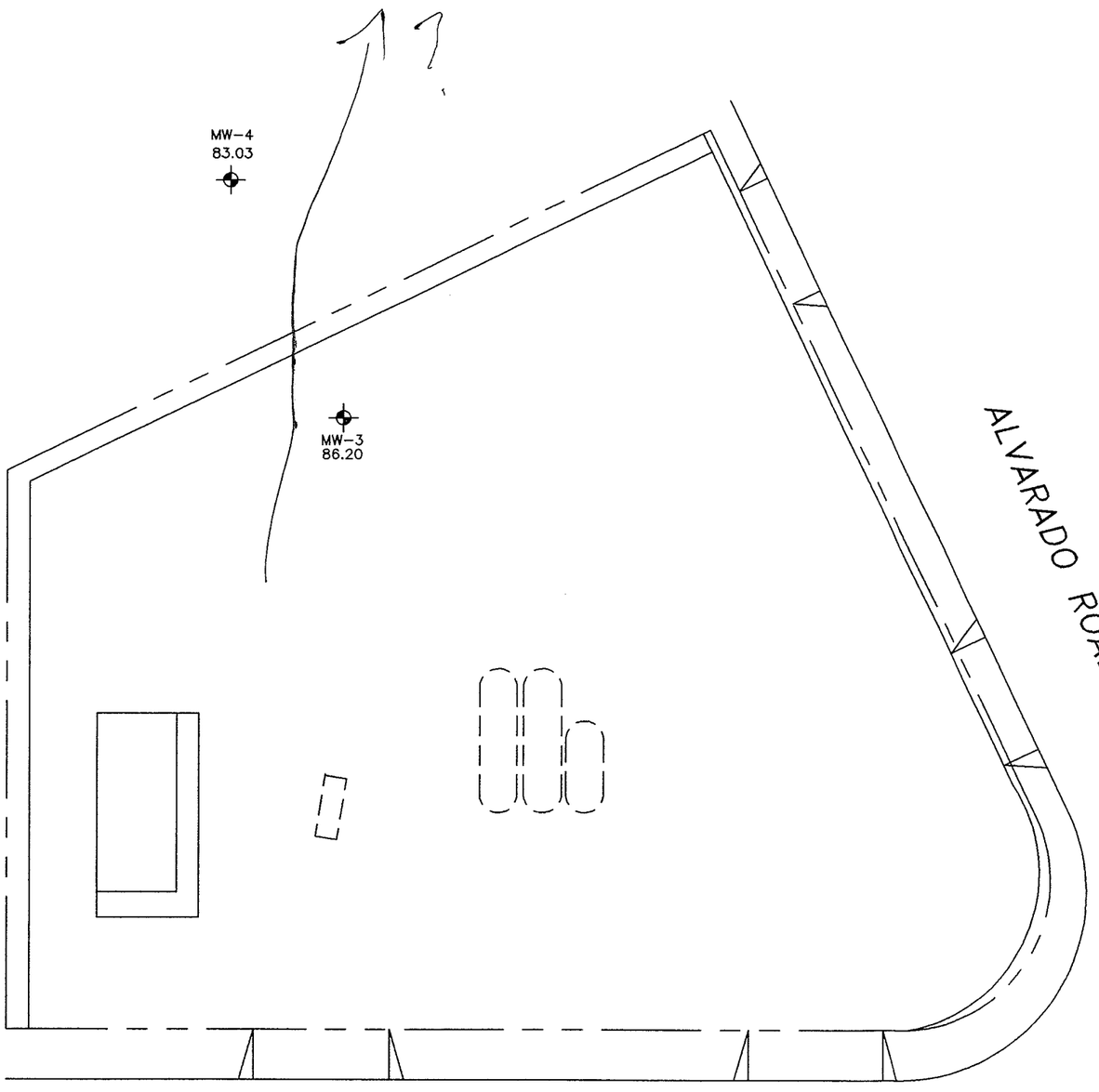
30 0 30 60

SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

PLOT PLAN

	DWG. NO. 39000001	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 2	DATE 10/19/95



N

KEY

MW-4
83.63

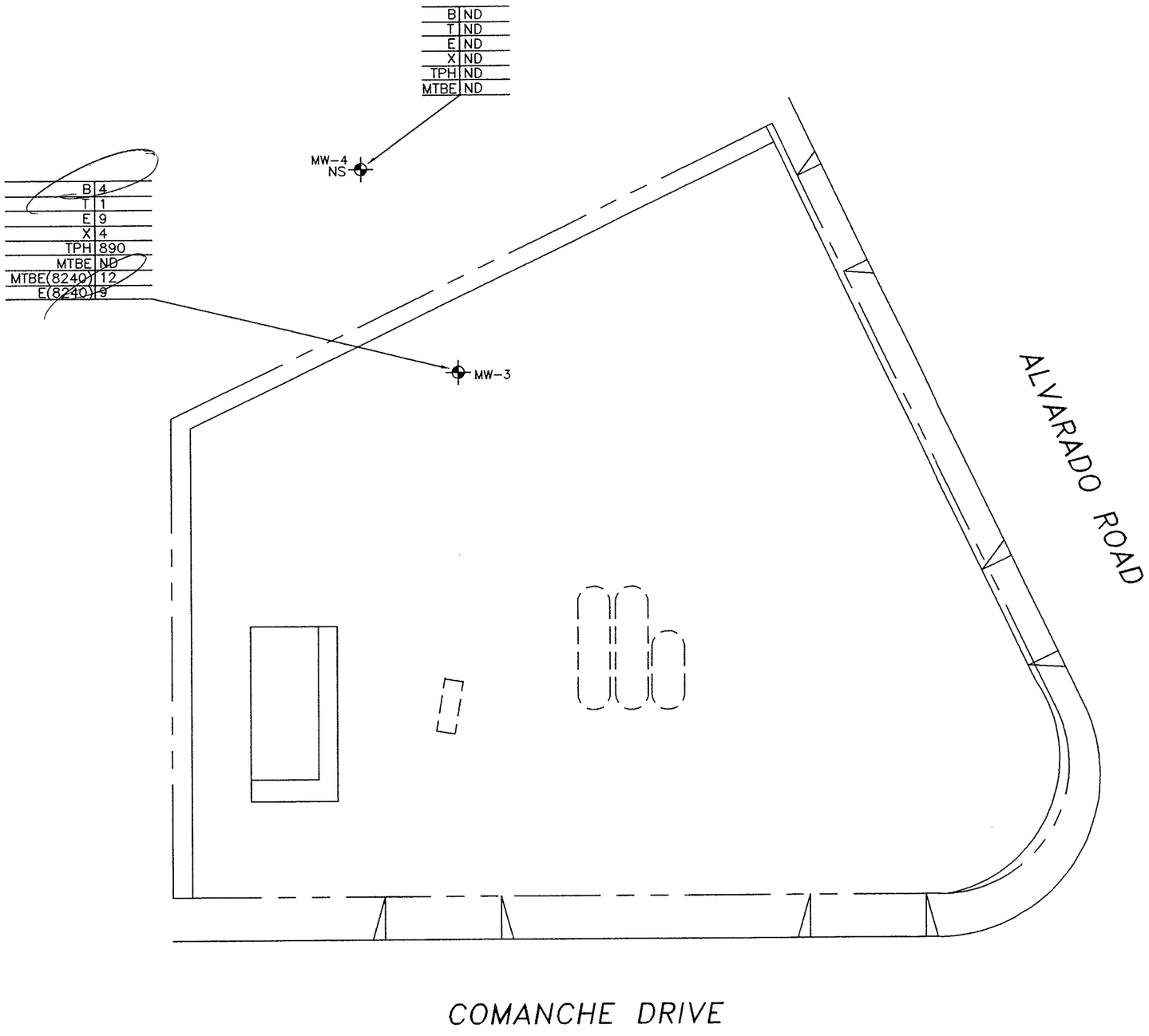
MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL FOR APRIL THROUGH JUNE 1996.

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

GROUNDWATER ELEVATION MAP

ENVIRONMENTAL Wayne Perry SPECIALISTS	DWG. NO. 39000002	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 3	DATE 6/4/96



KEY

MW-4 — GROUNDWATER MONITORING WELL SHOWING CONCENTRATIONS OF DISSOLVED HYDROCARBONS IN ug/L.

NOTES :

1. DATE OF SAMPLING – 5/6/96
2. ND – NOT DETECTED
3. NS – NOT SAMPLED, DATA FROM PREVIOUS SAMPLING EPISODE.

B – BENZENE

T – TOLUENE

E – ETHYLBENZENE

X – TOTAL XYLENES

TPH – TOTAL PETROLEUM HYDROCARBONS

MTBE – METHYL TERTIARY BUTYL ETHER

MTBE(8240) – METHYL TERTIARY BUTYL ETHER METHOD 8240

E(8240) – ETHYLBENZENE METHOD 8240

30 0 30 60

SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

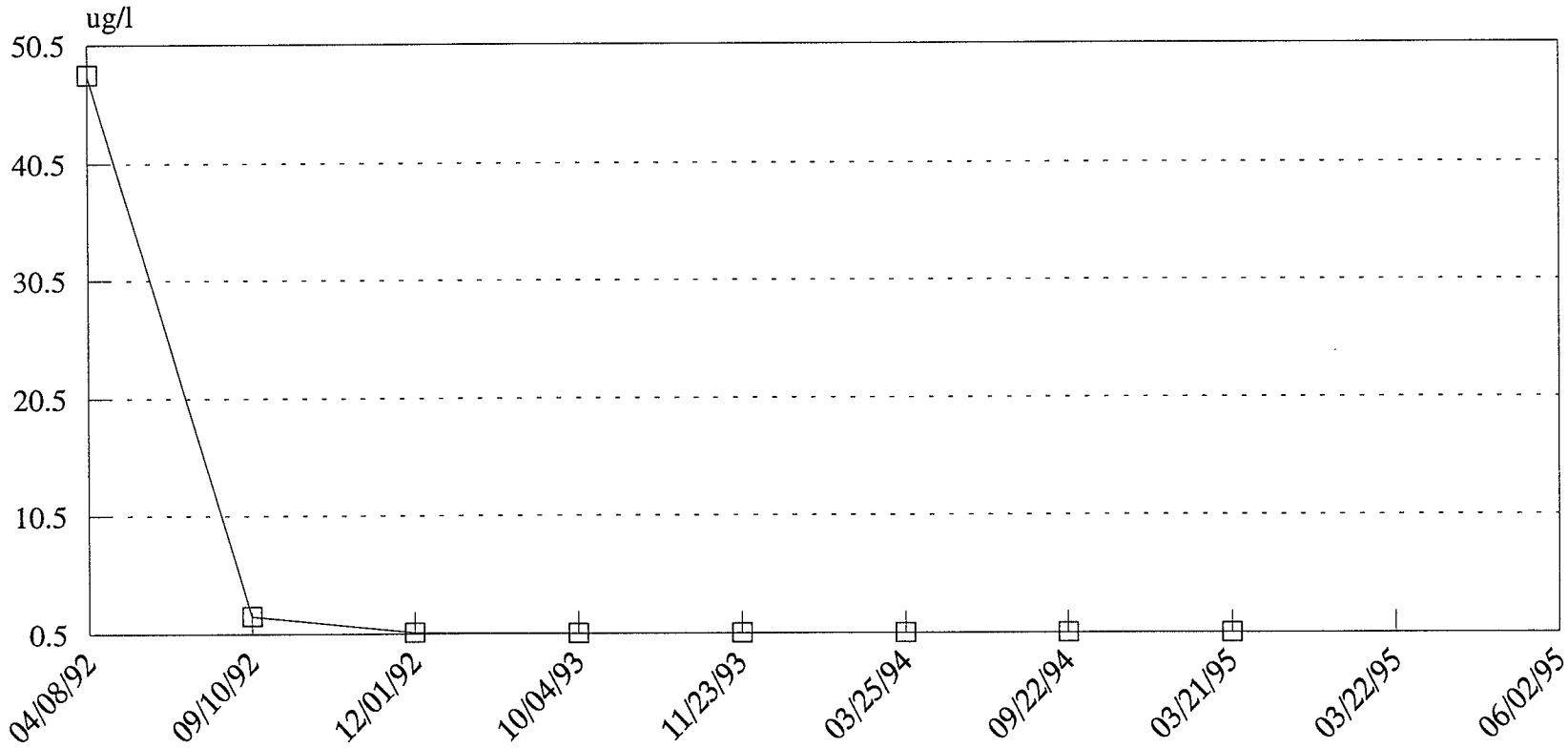
DISSOLVED HYDROCARBON AND MTBE CONCENTRATION MAP

Wayne Perry Inc. Environmental Specialists	DWG. NO. 39000003	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 4	DATE 6/4/96

GRAPHS

Graphs 1-2. Benzene Concentrations vs. Time
Graphs 3-4. Hydrographs

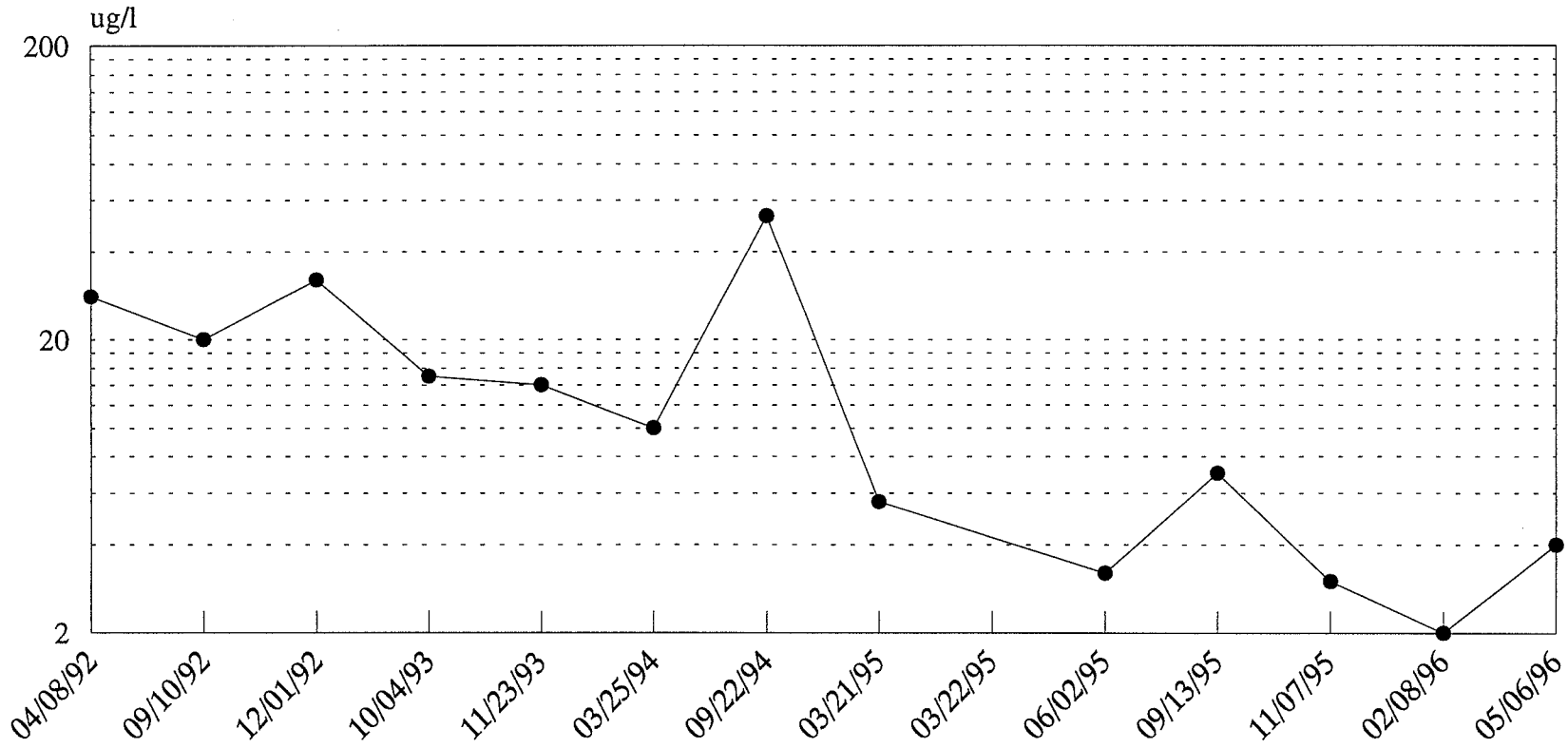
9-3521 Alvarado Rd / Comanche Dr
Benzene Concentrations Over Time



Graph 1

05/21/96
Project No. 93.390
Abandoned during Spring 1995.

9-3521 Alvarado Rd / Comanche Dr
Benzene Concentrations Over Time

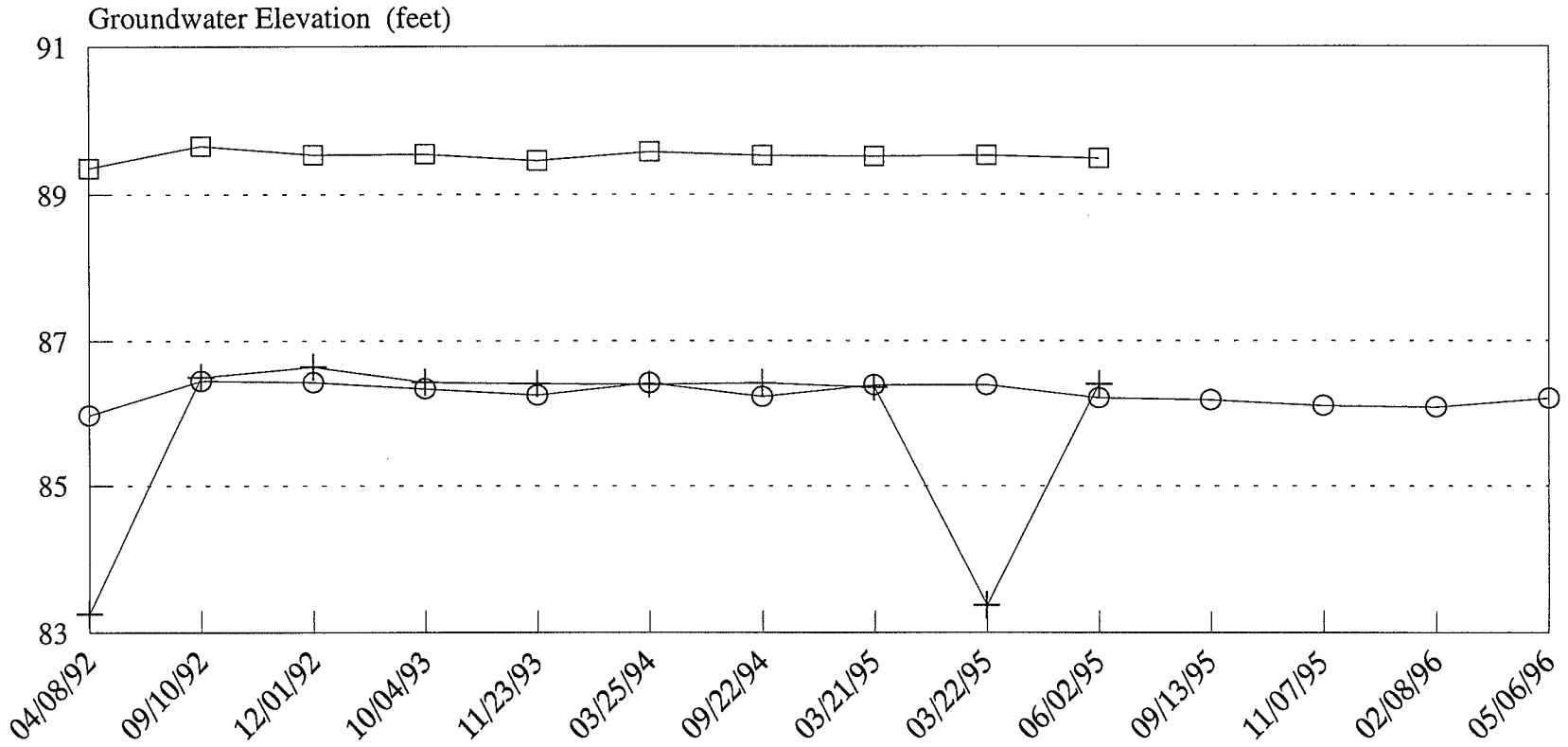


Graph 2

Well MW-3

05/21/96
Project No. 93.390
Logarithmic

9-3521 Alvarado Rd / Comanche Dr
Hydrograph Over Time

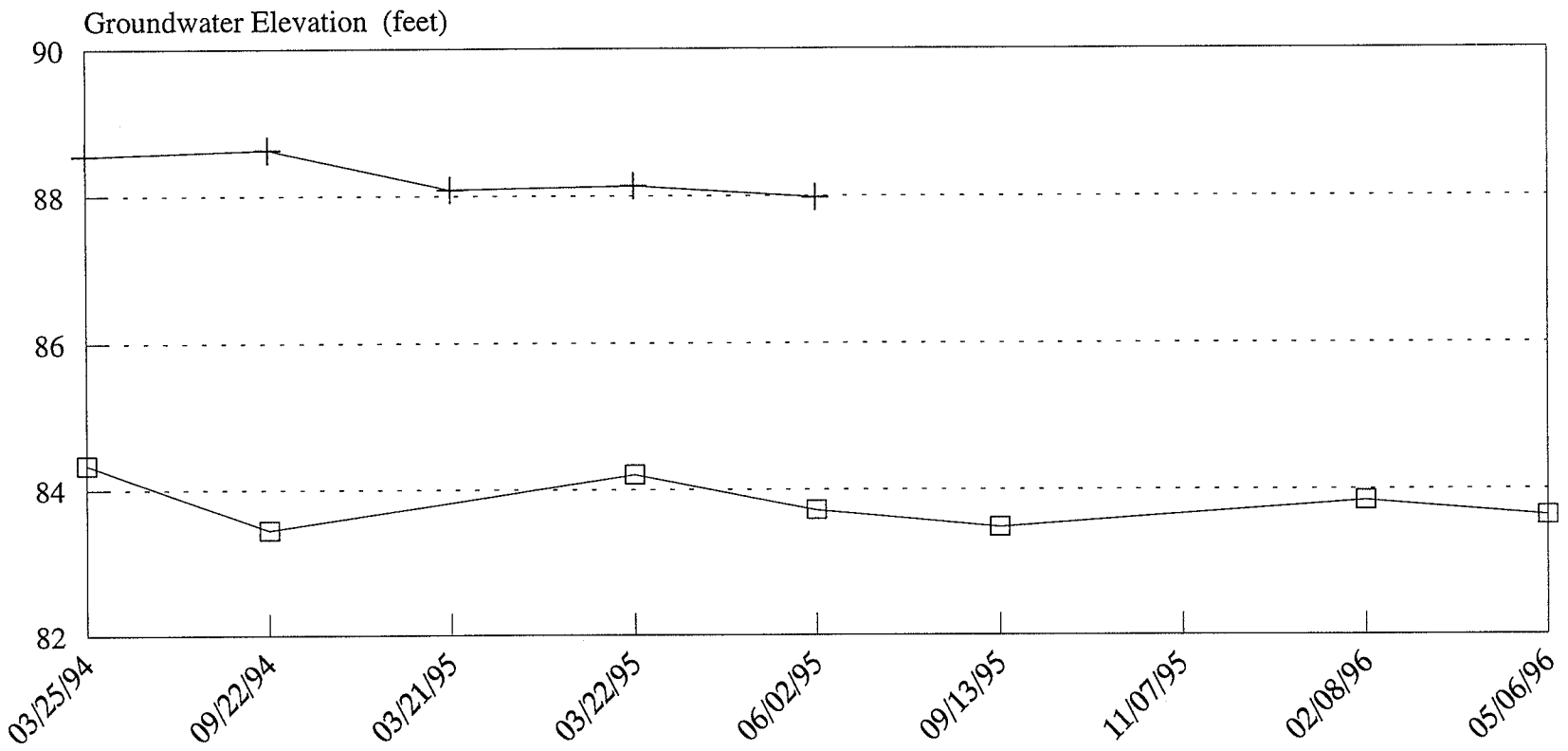


Graph 3

⊟ Well MW-1 + Well MW-2 ⊖ Well MW-3

05/21/96
Project No. 93.390
Wells MW-1 and MW-2 abandoned.

9-3521 Alvarado Rd / Comanche Dr
Hydrograph Over Time



Graph 4

⊟ Well MW-4 + Well MW-5

05/21/96
Project No. 93.390
MW-5 abandoned.

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

APPENDIX A

Disposal Documents
Groundwater Sampling Procedures
Field Testing Data

Copy #3 — Memorandum—Short Form—Not Negotiable
(Subject to Terms and Conditions of Reverse)

Shipper Perm. Address: **Chevron U.S.A. Products Company**
575 Market Street, San Francisco, CA 94105

No. 089979

Date 5-6-96

Rec'd at (Origin) 9-3521

Carrier Alvarado/Comanche

Consignee La Mesa

Subject to Section 7 of Conditions

Cross Ref. B/L No.

☐ Prepaid
☐ Collect

F.O.B. ☐ Destination ☐ Origin

Charge To

Ship To

Destination

Delivered By (Signature in Full)

Received by (Signature and Date) 5/9/96

Commodity Description	Temp.	Gross Gallons
Gasoline, 3, UN 1203, II, Marine Pollutant (Gasoline Leaded) Chevron Regular Gasoline		
Gasoline, 3, UN 1203, II Chevron Supreme Unleaded Gasoline		
Gasoline, 3, UN 1203, II Chevron Unleaded Gasoline		
Gasoline, 3, UN 1203, II Chevron Plus Unleaded Gasoline		
Fuel, Aviation, Turbine Engine, 3, UN 1863, III Chevron Jet Fuel A		
Groundwater		2
Gas Oil, 3, UN 1202, III Chevron LS Diesel Fuel No. 1 (Diesel Fuel No. 1)		
Gas Oil, Combustible Liquid, Un 1202, III Chevron LS Diesel Fuel No. 2 (Diesel Fuel No. 2)		
Gas Oil, 3, UN 1202, III Chevron LS Heating Fuel No. 1 (Heating Fuel No. 1)		
Gas Oil, Combustible Liquid, UN 1202, III Chevron LS Heating Fuel No. 2 (Heating Fuel No. 2)		
Gas Oil, 3, UN 1202, III Chevron Special LS Diesel No. 1 (California Only)		
Gas Oil, Combustible Liquid, UN 1202, III Chevron Special LS Diesel No. 2 (California Only)		

This is to certify that the above-named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Shipper

Seal Nos.

Customer's Order No.

Shipper's Authorized Representative

Equipment No. Trk / Tlr

Carrier certifies that cargo tank is a proper container for the transportation of this commodity under applicable D.O.T. regulations.

Markers Loaded To Trk / Tlr

Innage (Inches) Trk / Tlr

Signature Eduardo Sanchez

Scheduled Loading Time

Point to Point Only

Meter Number	Product	Meter Reading Finish
		Meter Reading Start

Retains: Opening ☐ Closing ☐

Gallons Loaded →

Meter Number	Product	Meter Reading Finish
		Meter Reading Start

Retains: Opening ☐ Closing ☐

Gallons Loaded →

Released From Premises | Round Trip Miles
Released From Rack | Non-Chg. Delay | Mins.
Started Loading | Charged Delay | Mins.
Spotted For Loading | Non-Driving Time
Time Admitted To Premises | Total Time Charged
Return Term./Yard
Finish Unloading
Arrive Destination
Started Haul
Arrived Load Point
Depart Term./Yard
Load No.
Comm. Carrier

3 — Consignee's Copy

MS-1018 (9-93) Printed in U.S.A.

CARGO MANIFEST

DATE: 5-6-96

CARRIER'S NAME: Wayne Perry Construction, Inc.
8281 Commonwealth Avenue
Buena Park, California 90621
CSC LICENSE #: 300345 **EPA CAD:** 053841102

ORIGIN EMPTY: Wayne Perry Construction, Inc.
8301 Commonwealth Avenue
Buena Park, California 90621
CSC LICENSE #: 300345 **EPA CAD:** 053841102

Cargo tank capacity: 630 gallons / 275 gallons **Tank #:** 23 **Truck #:** 17

Driver: Eduardo Sanchez **Co-Driver:** Lalo Godoy

DESTINATION EMPTY FOR CARGO LOADING:
ALVARADO / COMANCHE Job # 93-390
JACKSON / CENTER Job # 93-424
Job #
Job #

CARGO CONTENTS OF LOAD:
99 % *Water*
1 % *Gasoline 3 (UN1203) FLAMMABLE PG II*
100 % *Total Liquid*

CARGO DESTINATION: El Segundo Refinery / Gate 3
302 East El Segundo Boulevard
El Segundo, California 90245
EPA CAD: 053841102

COMMENTS: *Loaded* (23) 5/6/96

SIGNED: Eduardo Sanchez

Truck must be unlocked at all times. This manifest must be on the seat within easy reach at all times, whether the truck is occupied or not. Keep on top of Gauge Sheet.

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

GROUNDWATER SAMPLING PROCEDURES

Prior to sampling, wells were purged of water using a stainless steel bailer. Fast recharging wells were purged of four casing volumes of water. Slow recharging wells were purged until dry and allowed to recover for two hours before sampling. Each casing volume of water was field tested for temperature, pH, and conductivity. The last casing volume was tested for redox potential and dissolved oxygen. Groundwater samples were field tested for turbidity. Field testing data are included in this appendix. Groundwater samples were obtained using a Teflon bailer equipped with a bottom emptying device and placed in VOA bottles with Teflon septums. All purging and sampling equipment was washed in non-phosphate soap and triple rinsed in distilled water between wells to reduce the potential for cross contamination.

In addition to the samples obtained from the wells, a trip blank was prepared to verify the integrity of the field and laboratory procedures. Samples were placed on ice to reduce the potential for volatilization. Samples were transported to a certified laboratory for analyses under strict chain-of-custody procedures.

The groundwater samples were tested for total petroleum hydrocarbons as gasoline using EPA Test Method 8015-Modified and benzene, toluene, ethyl benzene, xylenes, and methyl tertiary butyl ether using EPA Test Method 8020. In addition, the sample was also analyzed for volatile organics using EPA Test Method 8240.

CHEVRON U.S.A. PRODUCTS COMPANY

San Diego County Locations

Field Temperature, Conductivity, pH, Turbidity, Redox, and Dissolved Oxygen Data Sheet

Cross Street: Alvarado / Comanche

Project No: 93.390
Date: 05/06/96

Well # MW-3	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time	09:08						
Purged Water (gal.)	1.5				1.5		Slow recharging well.
Temperature (°F)	73						
Conductivity (us/cm)	0.90						Begin purge time: 09:08
pH	7.0						End Sampling time: 11:58
Turbidity (NTU)						37.4	Total time: 02:50
eH (mV)	out of range						
Dissolved Oxygen (ppm)	1.0						Recharge Level: 11.33

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time							
Purged Water (gal.)					0		
Temperature (°F)							
Conductivity (us/cm)							Begin purge time:
pH							End Sampling time:
Turbidity (NTU)							Total time: 00:00
eH (mV)							
Dissolved Oxygen (ppm)							Recharge Level:

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time							
Purged Water (gal.)					0		
Temperature (°F)							
Conductivity (us/cm)							Begin purge time:
pH							End Sampling time:
Turbidity (NTU)							Total time: 00:00
eH (mV)							
Dissolved Oxygen (ppm)							Recharge Level:

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time							
Purged Water (gal.)					0		
Temperature (°F)							
Conductivity (us/cm)							Begin purge time:
pH							End Sampling time:
Turbidity (NTU)							Total time: 00:00
eH (mV)							
Dissolved Oxygen (ppm)							Recharge Level:

Completed by: Eduardo / Lalo

APPENDIX B

Laboratory Report
Chain-of-Custody Document

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92668 - 714/771-6900
FAX 714/538-1209

CLIENT

Chevron - Wayne Perry
Attn: Truedi Balsitis
8281 Commonwealth
Buena Park, CA 96021

LAB NO. JW0683-01

REPORTED 05/14/96

RECEIVED 05/07/96

SAMPLE IDENTIFICATION: Water - **MW-3**
Project Name: Alvarado/Comanche
Project #93.390 Chevron Facility #9-3521
Date Collected 05/06/96 @ 1158 Hrs.

BASED ON SAMPLE: As Submitted

Constituent	Method	Date/Analyst	Result	
Benzene	EPA 8020	05/08/96 QD	4	µg/l
Toluene	EPA 8020	05/08/96 QD	1	µg/l
Ethylbenzene	EPA 8020	05/08/96 QD	9	µg/l
Total Xylenes	EPA 8020	05/08/96 QD	4	µg/l
MTBE	EPA 8020	05/08/96 QD	ND< 20	µg/l
Total Hydrocarbons (Gas.)	TPH-DHS	05/08/96 QD	890	µg/l

PURGEABLE ORGANICS

Constituent	Method	Date/Analyst	Result	
Methyl-tert-butyl ether	EPA 8240	05/09/96 AS	12	µg/l
Ethylbenzene	EPA 8240	05/09/96 AS	9	µg/l

All Other Target Compounds Were None Detected. See Attached List.

ASSOCIATED LABORATORIES, by:

Edward S. Behare, Ph.D.
Vice President

ESB/ql

RECEIVED
MAY 16 1996
By_____

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical •
Microbiological •
Environmental •

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92668 - 714/771-6900
FAX 714/538-1209

CLIENT

Chevron - Wayne Perry
Attn: Truedi Balsitis
8281 Commonwealth
Buena Park, CA 96021

LAB NO. JW0683-02

REPORTED 05/14/96

RECEIVED 05/07/96

SAMPLE IDENTIFICATION: Water - **TRIP BLANK**
Project Name: Alvarado/Comanche
Project #93.390 Chevron Facility #9-3521
Date Collected 05/06/96

BASED ON SAMPLE: As Submitted

Constituent	Method	Date/Analyst	Result
Benzene	EPA 8020	05/08/96 QD	ND< 0.5 µg/l
Toluene	EPA 8020	05/08/96 QD	ND< 0.5 µg/l
Ethylbenzene	EPA 8020	05/08/96 QD	ND< 0.5 µg/l
Total Xylenes	EPA 8020	05/08/96 QD	ND< 1.5 µg/l
Total Hydrocarbons (Gas.)	TPH-DHS	05/08/96 QD	ND<500 µg/l

ASSOCIATED LABORATORIES, by:

Edward S. Behare, Ph.D.
Vice President

ESB/ql

RECEIVED
MAY 16 1996
By_____

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical •
Microbiological •
Environmental •

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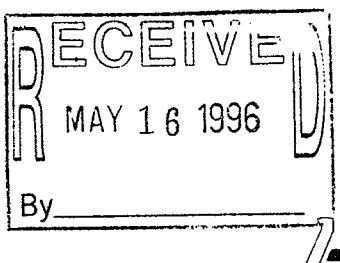
-1 10M

Client: Chevron - Wayne Perry
Lab No.: JW0683-01
Date: May 14, 1996

ESTIMATED QUANTITATION LIMITS (EQL) FOR VOLATILE ORGANICS

Analyte	Estimated Quantitation Limits
Acetone	ND< 100 µg/l
Acetonitrile	ND< 100 µg/l
Allyl Chloride	ND< 5 µg/l
Benzene	ND< 5 µg/l
Benzyl Chloride	ND< 100 µg/l
Bromodichloromethane	ND< 5 µg/l
Bromoform	ND< 5 µg/l
Bromomethane	ND< 10 µg/l
2-Butanone	ND< 100 µg/l
Carbon disulfide	ND< 100 µg/l
Carbon tetrachloride	ND< 5 µg/l
Chlorobenzene	ND< 5 µg/l
Chlorodibromomethane	ND< 5 µg/l
Chloroethane	ND< 10 µg/l
2-Chloroethyl vinyl ether	ND< 10 µg/l
Chloroform	ND< 5 µg/l
Chloromethane	ND< 10 µg/l
Chloroprene	ND< 5 µg/l
1,2-Dibromo-3-chloropropane	ND< 100 µg/l
1,2-Dibromoethane	ND< 5 µg/l
Dibromomethane	ND< 5 µg/l
1,4-Dichloro-2-butene	ND< 100 µg/l
Dichlorodifluoromethane	ND< 5 µg/l
1,1-Dichloroethane	ND< 5 µg/l
1,2-Dichloroethane	ND< 5 µg/l
1,1-Dichloroethene	ND< 5 µg/l
trans-1,2-Dichloroethene	ND< 5 µg/l
1,2-Dichloropropane	ND< 5 µg/l
cis-1,3-Dichloropropene	ND< 5 µg/l
trans-1,3-Dichloropropene	ND< 5 µg/l
Ethylbenzene	ND< 5 µg/l
Ethyl methacrylate	ND< 5 µg/l
2-Hexanone	ND< 50 µg/l
Isobutyl alcohol	ND< 100 µg/l
Methacrylonitrile	ND< 100 µg/l
Methylene chloride	ND< 5 µg/l
Methyl iodide	ND< 5 µg/l
Methyl methacrylate	ND< 5 µg/l

Cont. on page 2



Client: Chevron - Wayne Perry
Lab No.: JW0683-01
Date: May 14, 1996

ESTIMATED QUANTITATION LIMITS (EQL) FOR VOLATILE ORGANICS

Analyte	Estimated Quantitation Limits
4-Methyl-2-pentanone	ND< 50 µg/l
Pentachloroethane	ND< 10 µg/l
Propionitrile	ND< 100 µg/l
Styrene	ND< 5 µg/l
1,1,1,2-Tetrachloroethane	ND< 5 µg/l
1,1,2,2-Tetrachloroethane	ND< 5 µg/l
Tetrachloroethene	ND< 5 µg/l
Toluene	ND< 5 µg/l
1,1,1-Trichloroethane	ND< 5 µg/l
1,1,2-Trichloroethane	ND< 5 µg/l
Trichloroethene	ND< 5 µg/l
1,2,3-Trichloropropane	ND< 5 µg/l
Vinyl acetate	ND< 50 µg/l
Vinyl chloride	ND< 10 µg/l
Xylene (Total)	ND< 5 µg/l

RECEIVED
MAY 16 1996
By

ASSOCIATED LABORATORIES
QA REPORT FORM - ORGANICS

C Sample:	JW679-2	Report Date:	05/15/96
Matrix:	WATER	Prep. Method:	8020
Prep. Date:	05/08/96	File Name :	S05086W
nalysis Date:	05/08/96	Report by :	T.T.
nalyst:	Q.D.		

AB ID#'s in Batch: JW0679, 680, 681, 683

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = UG/L

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Benzene	8020	0.00	U	5.00	5.210	4.740	104.2	94.8	9.4
oluene	8020	0.00	U	5.00	5.050	4.610	101.0	92.2	9.1
Ethylbenzene	8020	0.00	U	5.00	4.970	4.490	99.4	89.8	10.1
Xylenes	8020	0.00	U	15.00	15.150	13.820	101.0	92.1	9.2

%REC LIMITS = 70 - 130
RPD LIMITS = 30

ND = "U" - Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

Test	Method	PREP BLANK Value	ND	LCS Result	True	%Rec	L.Limit	H.Limit
Benzene	8020	0.00	U	7.28	8.00	91.0	80%	120%
Toluene	8020	0.00	U	6.96	8.00	87.0	80%	120%
Ethylbenzene	8020	0.00	U	6.80	8.00	85.0	80%	120%
Xylenes	8020	0.00	U	21.07	24.00	87.8	80%	120%

VALUE = Preparation Blank Value; ND = "U" for Not-Detected
LCS = Lab Control Sample Result
TRUE = True Value of LCS
L.LIMIT / H.LIMIT = LCS Control Limits

RECEIVED
MAY 16 1996
By_____

ASSOCIATED LABORATORIES
QA REPORT FORM - ORGANICS

:C Sample:	JW679-2	Report Date:	05/15/96
1atrix:	WATER	File Name:	G05086W
Prep. Date:	05/08/96	Analyst:	Q.D.
Analysis Date:	05/08/96	Report by :	T.T.
ID#'s in Batch:	JW0679, 680, 681, 683		

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = UG/L

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TPH	8015M-G	0.000	U	1000.0	921.00	945.00	92.1	94.5	2.6

%REC LIMITS	= 70 - 130
RPD LIMITS	= 30

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLANK		LCS				
Value	ND	Result	True	%Rec	L.Limit	H.Limit
0.000	U	534.6	600.0	89.1	80%	120%

Value = Preparation Blank Value; ND = "U" for Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

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MAY 16 1996
By

ASSOCIATED LABORATORIES

QA REPORT FORM - ORGANICS

C Sample: H18203-4
atrix: WATER
Analysis Date: 05/09/96

Report Date: 05/15/96
File Name : M05096W
Analyst: AS
Report by : T.T.

AB ID#'s in Batch: H18203, JW0683

ATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = UG/L

est	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD	QC Limits RPD	QC Limits %REC
1,1-Dichloroethene	8240	0.00	U	50.00	38.00	39.00	76.0	78.0	2.6	22	61 - 145
richloroethene	8240	0.00	U	50.00	38.00	41.00	76.0	82.0	7.6	24	71 - 120
Benzene	8240	0.00	U	50.00	42.00	44.00	84.0	88.0	4.7	21	76 - 127
Toluene	8240	4.10		50.00	44.00	45.00	79.8	81.8	2.2	21	76 - 125
hlorobenzene	8240	0.00	U	50.00	40.00	42.00	80.0	84.0	4.9	21	75 - 130

ND = "U" - Not Detected
RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup
%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

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By

RECD MAY 16 '96

SW2083

CHAIN-OF-CUSTODY RECORD

CHEVRON USA, Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

Project Name Alvarado / Comanche
Project I.D. No. 93.390
Consultant Name WAYNE PERRY CONSTRUCTION, INC.
Address 8281 COMMONWEALTH, BUENA PARK, CA
Project Contact (Name) TRUEDI
(Phone) 714/826-0352
Chevron Facility No. 9-3521
Chevron Contact (Name) M. Bauer
(Phone)

Laboratory Name Associated
Contact Number
Collected By (Name) Eduardo Sanchez
(Signature) Eduardo Sanchez
Collection Date 5-6-96

San Diego County

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED	MODIFIED EPA 8015 TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 AROMATIC VOLATILES - BTXE	EPA 602 AROMATIC VOLATILES - BTXE	METALS ( )	OTHER	BTEX / MTBE 8020	BTEX / MTBE 8240	DETECTION LIMIT	REMARKS
MW-3		4		✓			5-6-96	1158	✓	✓	✓						✓	✓		
T.B. Blank		2		✓			✓		✓	✓	✓		✓							

ANALYSES TO BE PERFORMED

RECEIVED MAY 16 1996 BY

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Eduardo Sanchez	W.P.C.I.	5-6-96		WPI	5/7 11:30
	WPI	5/7 11:30		Assoc. Labs	5-7-96 11:30
	Assoc. Labs	5-7-96 1350			5/7 1430

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS
48 HRS
10 DAYS

SW FORM E-1-89

PREPARED FOR: **Mr. Michael Bauer**
Chevron U.S.A. Products Company
1300 South Beach Boulevard
La Habra, California 90631

QUARTERLY MONITORING REPORT
OCTOBER 1 THROUGH DECEMBER 31, 1995
FORMER CHEVRON SERVICE STATION # 9-3521
7651 Alvarado Road
La Mesa, California

DECEMBER 31, 1995

RECEIVED
MAY 20 11 43 AM '96
ENVIRONMENTAL
HEALTH SERVICES

PREPARED BY: WAYNE PERRY, INC.
8281 West Commonwealth Avenue
Buena Park, California 90621

WRITTEN BY:

Truedi Balsitis

TRUEDI BALSITIS
Groundwater Monitoring Program
Project Manager

REVIEWED BY:

David M. Henry

DAVID M. HENRY
Registered Geologist No. 4085

Project No. 93.390

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION *1*
ANALYTICAL RESULTS SUMMARY *1*
CONCLUSIONS *2*

LIST OF TABLES

TABLE 1 *GROUNDWATER ANALYSES AND GAUGING RESULTS*
TABLE 2 *HISTORIC GROUNDWATER ANALYSES AND GAUGING RESULTS*

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FIGURE 1 *SITE LOCATION MAP*
FIGURE 2 *PLOT PLAN*
FIGURE 3 *GROUNDWATER ELEVATION MAP*
FIGURE 4 *DISSOLVED HYDROCARBON AND MTBE CONCENTRATION MAP*

GRAPHS

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GRAPHS 3-4 *HYDROGRAPHS*

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APPENDIX A *DISPOSAL DOCUMENTS*
GROUNDWATER SAMPLING PROCEDURES
FIELD TESTING DATA

APPENDIX B *LABORATORY REPORT*
CHAIN-OF-CUSTODY DOCUMENT

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

INTRODUCTION

Enclosed is the quarterly monitoring report for former Chevron Station No. 9-3521 located at 7651 Alvarado Road in the city of La Mesa (Figures 1 and 2). This report updates groundwater monitoring activities performed between October 1 and December 31, 1995.

On November 7, 1995, monitoring well MW-3 was gauged and sampled. Monitoring well MW-4 was gauged but selectively not sampled in accordance with prior agreement between Mr. Michael Bauer of Chevron USA Products Company and Mr. Michael Porter of San Diego County Environmental Health Services, Site Assessment and Mitigation Division. A description of groundwater sampling procedures is presented in Appendix A. Gauging data are presented in Table 1 and were used to derive a groundwater elevation map (Figure 3).

Purged groundwater was transported to the Chevron Refinery in El Segundo for recycling. Copies of the disposal documents are presented in Appendix A.

ANALYTICAL RESULTS SUMMARY

A trip blank was prepared and analyzed to verify the integrity of field and laboratory procedures. The groundwater and blank samples were tested for total petroleum hydrocarbons-gasoline using EPA Test Method 8015-Modified and benzene, toluene, ethyl benzene, and xylenes using EPA Test Method 8020. The sample from well MW-3 was also analyzed for methyl tertiary butyl ether using EPA Test Method 8020. A copy of the laboratory report and chain-of-custody document are included in Appendix B. Results of the laboratory analyses for samples obtained on November 7, 1995, are provided in Table 1. A summary of groundwater analyses is presented in Table 2.

Results of the laboratory analyses indicate the concentration of TPH-gasoline was 2,100 ug/l in the sample from well MW-3. The level of benzene was 3 ug/l in the sample from well MW-3. Dissolved hydrocarbon concentrations are shown on Figure 4.

Methyl tertiary butyl ether was not detected in the sample from well MW-3.

CONCLUSIONS

Comparison of laboratory data from the previous monitoring episode indicates concentrations of dissolved hydrocarbons decreased in the sample from well MW-3. Benzene exceeded action levels in the sample from well MW-3. Benzene concentrations over time are shown on Graphs 1 and 2. Levels of methyl tertiary butyl ether remained below the limits of detection in the sample from well MW-3.

Groundwater elevations decreased by 0.08 foot and 0.02 foot in wells MW-3 and MW-4 as compared to the previous monitoring episode. Groundwater elevations over time are shown on Graphs 3 and 4.

o o O o o

This report has been prepared for the exclusive use of Chevron U.S.A. Products Company as it pertains to their site located at 7651 Alvarado Road, La Mesa, California. No warranty, expressed or implied, is made as to the professional advice in this report.

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

TABLES

Table 1. Groundwater Analyses and Gauging Results
Table 2. Historic Groundwater Analyses and Gauging Results

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 1. WATER ANALYSES AND GAUGING RESULTS FOR FORMER
CHEVRON STATION # 9-3521 GAUGED AND SAMPLED ON NOVEMBER 7, 1995

WELL	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	TOTAL HYDRO-CARBONS GASOLINE	MTBE	DEPTH TO WATER	HYDRO-CARBON THICKNESS	GROUND-WATER ELEVATION	TOP OF CASING	DEPTH OF WELL	eH	DISSOLVED OXYGEN	COMMENTS
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(feet)	(feet)	(feet)	(feet)	(feet)	(mV)	(ppm)	
ND=	<0.5	<0.5	<0.5	<1.5	<500	<20								
MW-3	3	5	7	9	2100	ND	11.09	0.00	86.10	97.19	13.36	105	1.7	
MW-4							9.72	0.00	83.45	93.17	11.05			

CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	TOTAL HYDRO-CARBONS GASOLINE	MTBE	DEPTH TO WATER	HYDRO-CARBON THICKNESS	GROUND-WATER ELEVATION	TOP OF CASING	DEPTH OF WELL	eH	DISSOLVED OXYGEN	COMMENTS
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(feet)	(feet)	(feet)	(feet)	(feet)	(mV)	(ppm)	
04/08/92	MW-1	ND	ND	ND	ND	ND		6.46	0.00	89.36	95.82				
09/10/92	MW-1	ND	ND	ND	ND	ND		6.16	0.00	89.66	95.82				
12/01/92	MW-1	ND	ND	ND	ND	ND		6.28	0.00	89.54	95.82				
10/04/93	MW-1	ND	ND	ND	ND	ND		6.27	0.00	89.55	95.82	14.74			
11/23/93	MW-1	ND	ND	ND	ND	ND		6.36	0.00	89.46	95.82	14.71			
03/25/94	MW-1	ND	ND	ND	ND	ND	ND	6.24	0.00	89.58	95.82	14.76	125	2.1	
09/22/94	MW-1	ND	ND	ND	ND	ND	ND	6.29	0.00	89.53	95.82	14.76	80	1.2	
03/21/95	MW-1							6.30	0.00	89.52	95.82	14.25			
03/22/95	MW-1							6.29	0.00	89.53	95.82	14.75			
06/02/95	MW-1							6.33	0.00	89.49	95.82	14.73			
04/08/92	MW-2	48	13	4.6	17	800		10.61	0.00	83.25	93.86				
09/10/92	MW-2	2	4	ND	ND	ND		7.36	0.00	86.50	93.86				
12/01/92	MW-2	0.6	0.4	ND	0.7	ND		7.22	0.00	86.64	93.86				
10/04/93	MW-2	ND	ND	ND	ND	ND		7.43	0.00	86.43	93.86	14.18			
11/23/93	MW-2	ND	ND	ND	ND	ND		7.45	0.00	86.41	93.86	14.18			
03/25/94	MW-2	ND	ND	ND	ND	ND	ND	7.46	0.00	86.40	93.86	14.26	0	1.3	
09/22/94	MW-2	ND	ND	ND	ND	ND	ND	7.44	0.00	86.42	93.86	14.22	-40	1.1	
03/21/95	MW-2	ND	ND	ND	ND	ND	ND	7.50	0.00	86.36	93.86	14.22	95	1.8	
03/22/95	MW-2							10.49	0.00	83.37	93.86	14.17			
06/02/95	MW-2							7.46	0.00	86.40	93.86	14.19			
04/08/92	MW-3	28	5.1	320	640	21000		11.22	0.00	85.97	97.19				
09/10/92	MW-3	20	22	100	27	8400		10.74	0.00	86.45	97.19				
12/01/92	MW-3	32	2.7	120	29	11000		10.76	0.00	86.43	97.19				
10/04/93	MW-3	15	1	40	9	4800		10.85	0.00	86.34	97.19	13.36			
11/23/93	MW-3	14	0.9	78	19	5500		10.94	0.00	86.25	97.19	13.34			
03/25/94	MW-3	10	ND	58	12	4300	ND	10.77	0.00	86.42	97.19	13.38	0	0.9	
09/22/94	MW-3	53	ND	15	2.9	3500	12	10.96	0.00	86.23	97.19	13.40	OR	0.5	
03/21/95	MW-3	5.6	1.4	8.5	2.9	3400	9.1	10.80	0.00	86.39	97.19	13.38	OR	2.2	
03/22/95	MW-3							10.80	0.00	86.39	97.19	13.39			
06/02/95	MW-3	3.2	0.6	1.8	ND	3770	ND	10.98	0.00	86.21	97.19	13.35	-60	0.9	
09/13/95	MW-3	7	1	ND	30	2160	ND	11.01	0.00	86.18	97.19	13.36	-35	0.8	
11/07/95	MW-3	3	5	7	9	2100	ND	11.09	0.00	86.10	97.19	13.36	105	1.7	
03/25/94	MW-4	ND	ND	ND	ND	ND	ND	8.83	0.00	84.34	93.17	10.69	125	1.2	
09/22/94	MW-4	ND	ND	ND	ND	ND	ND	9.74	0.00	83.43	93.17	10.71	90	0.9	
03/21/95	MW-4										93.17				Inaccessible

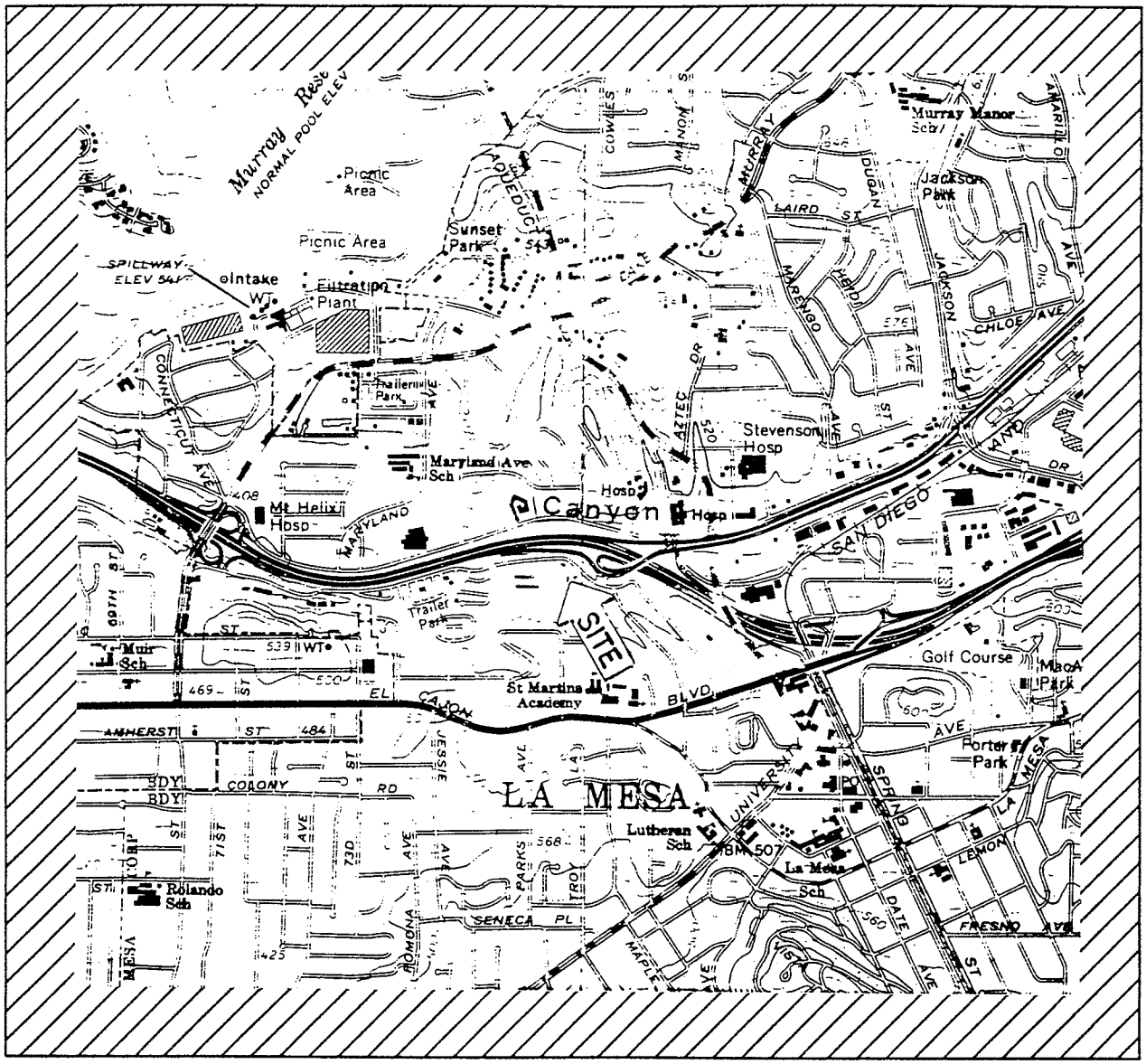
CHEVRON U.S.A. PRODUCTS COMPANY
93.390 ALVARADO RD/COMANCHE DR

TABLE 2. HISTORICAL WATER ANALYSES AND GAUGING RESULTS
FOR FORMER CHEVRON STATION # 9-3521

DATE	WELL	BENZENE (ug/l)	TOLUENE (ug/l)	ETHYL BENZENE (ug/l)	TOTAL XYLENES (ug/l)	TOTAL HYDRO-CARBONS GASOLINE (ug/l)	MTBE (ug/l)	DEPTH TO WATER (feet)	HYDRO-CARBON THICKNESS (feet)	GROUND-WATER ELEVATION (feet)	TOP OF CASING (feet)	DEPTH OF WELL (feet)	eH (mV)	DISSOLVED OXYGEN (ppm)	COMMENTS
03/22/95	MW-4	ND	ND	ND	ND	ND	ND	8.97	0.00	84.20	93.17	11.05	110	1.6	
06/02/95	MW-4							9.46	0.00	83.71	93.17	11.01			
09/13/95	MW-4							9.70	0.00	83.47	93.17	11.11			
11/07/95	MW-4							9.72	0.00	83.45	93.17	11.05			
03/25/94	MW-5	ND	ND	ND	ND	ND	ND	3.50	0.00	88.55	92.05	14.20	85	1.4	
09/22/94	MW-5	ND	ND	ND	ND	ND	ND	3.42	0.00	88.63	92.05	14.20	45	1.4	
03/21/95	MW-5							3.96	0.00	88.09	92.05	14.20			
03/22/95	MW-5							3.91	0.00	88.14	92.05	14.19			
06/02/95	MW-5							4.07	0.00	87.98	92.05	14.17			

FIGURES

Figure 1. Site Location Map
Figure 2. Plot Plan
Figure 3. Groundwater Elevation Map
Figure 4. Dissolved Hydrocarbon and MTBE Concentration Map



SOURCE :

7.5 MINUTE U.S.G.S.

QUADRANGLE :

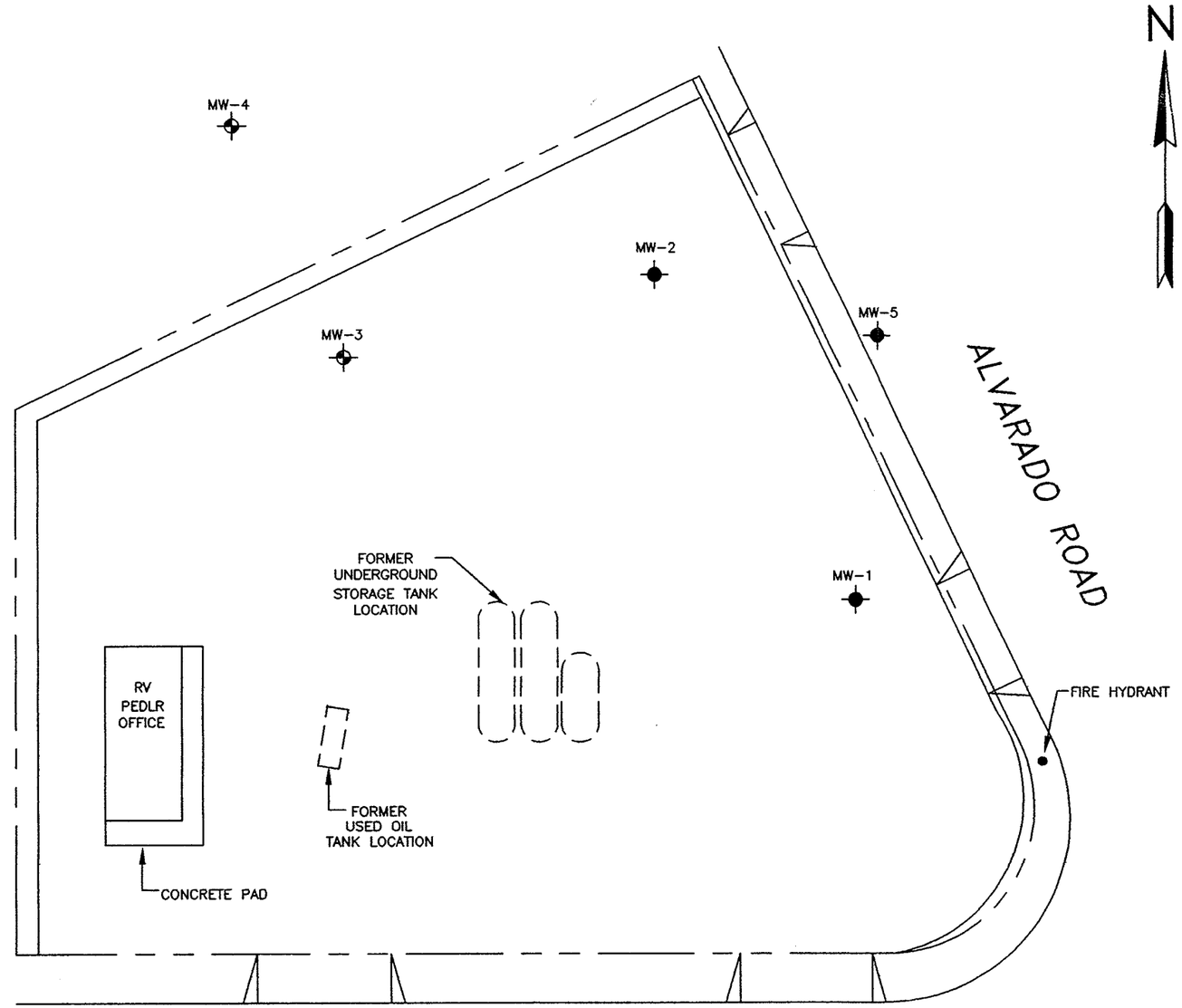
LA MESA

N

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

SITE LOCATION MAP

	DWG. NO. 390000SL	CHKD. BY
Wayne Perry Environmental Specialists	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 1	DATE



N

KEY

MW-4 GROUNDWATER MONITORING WELL

MW-5 ABANDONED MONITORING WELL

SOURCE :

MODIFIED FROM A MAP CREATED BY DELTA ENVIRONMENTAL INC., AND SUPPLIED BY CHEVRON, U.S.A.

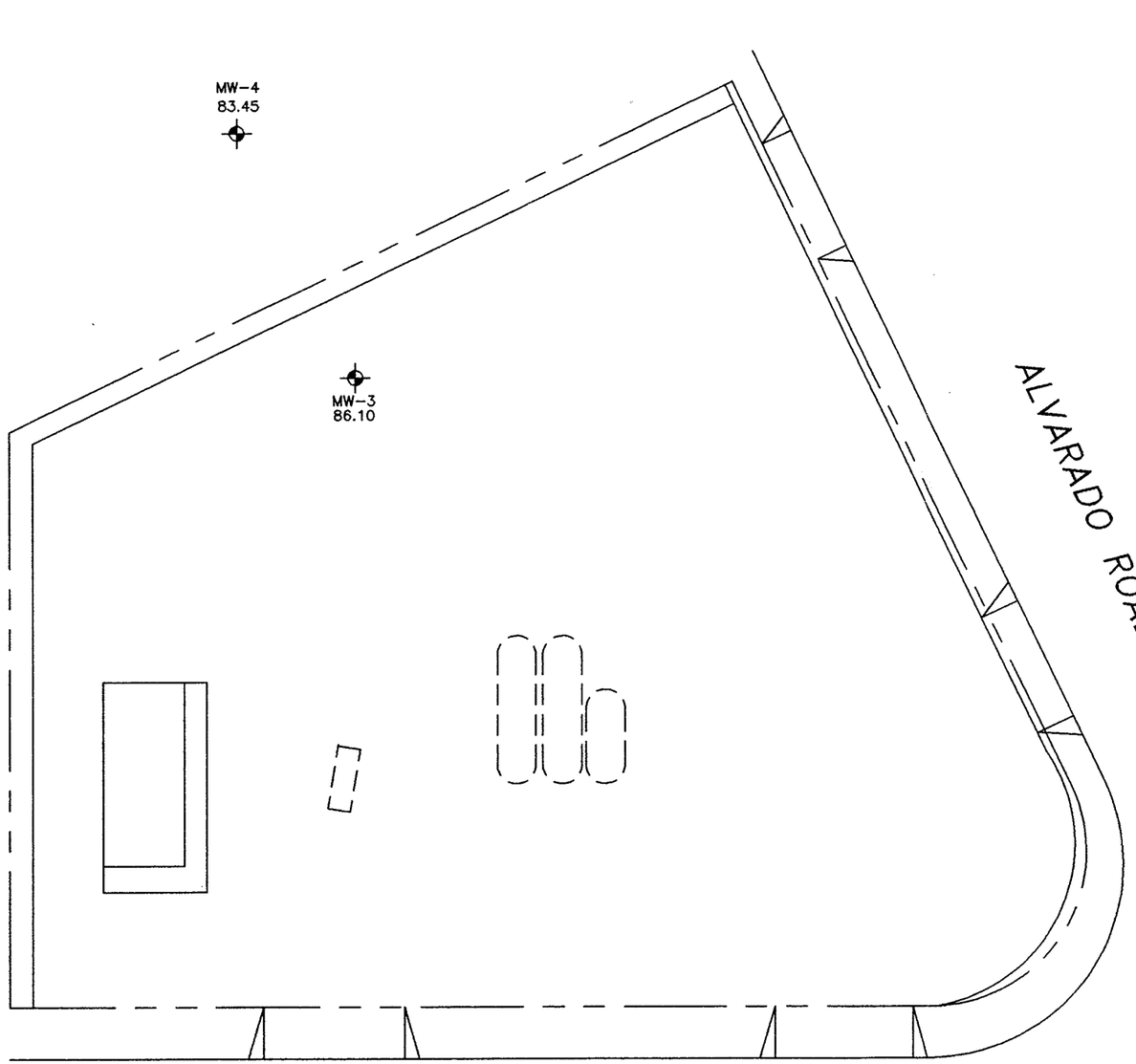
30 0 30 60

SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

PLOT PLAN

Wayne Perry Environmental Specialists	DWG. NO. 39000001	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 2	DATE 10/19/95



N

KEY

MW-4
83.45

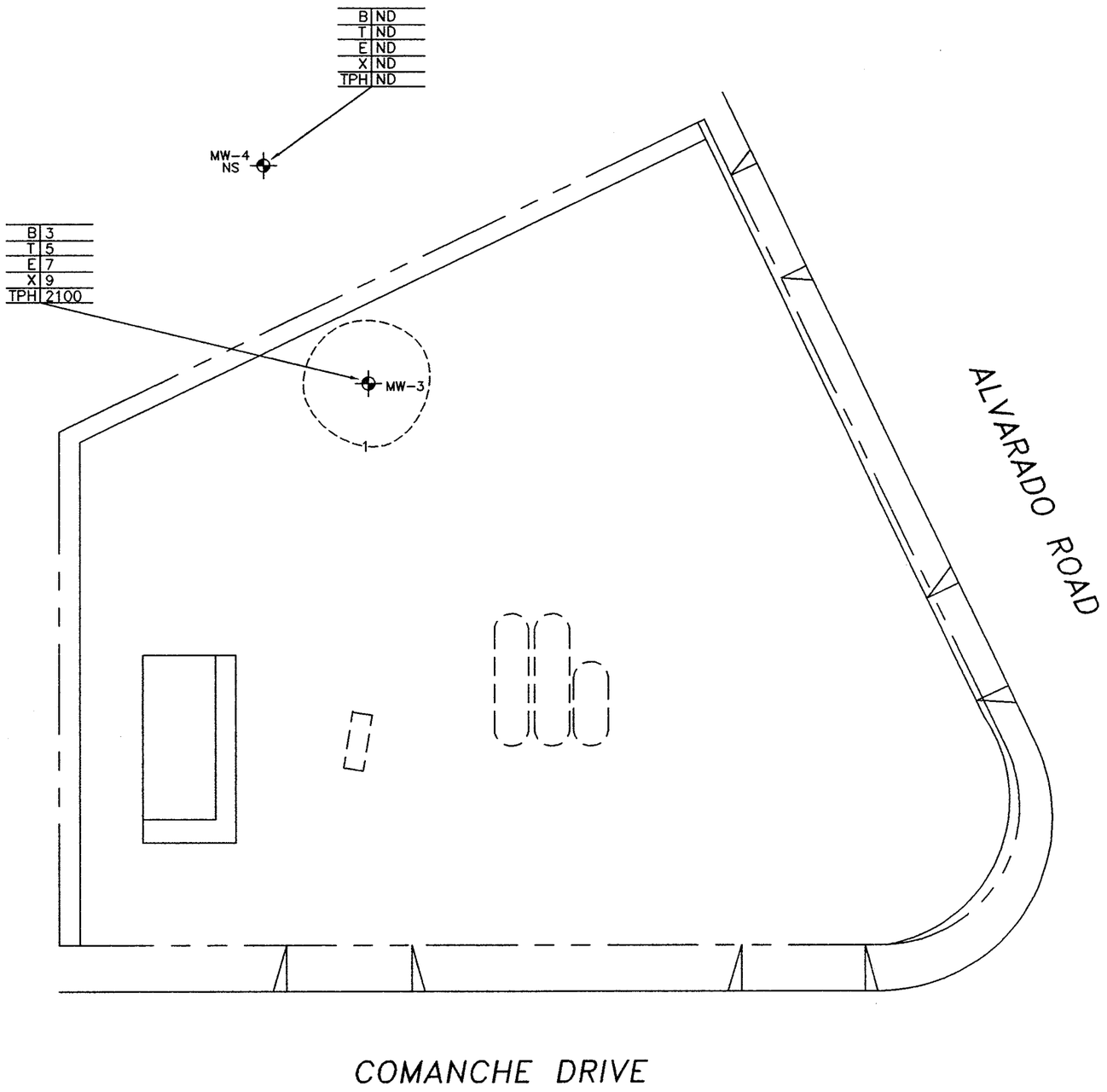
MONITORING WELL SHOWING GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL FOR OCTOBER THROUGH DECEMBER 1995.

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

GROUNDWATER ELEVATION MAP

WaynePerry ENVIRONMENTAL INCORPORATED SPECIALISTS	DWG. NO. 39000002	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 3	DATE 11/29/95



KEY

MW-4 — GROUNDWATER MONITORING WELL SHOWING CONCENTRATIONS OF DISSOLVED HYDROCARBONS AND MTBE IN ug/L.

------ 1 ------ BENZENE CONTOUR IN ug/L.

NOTES :

1. DATE OF SAMPLING – 11/4/95
2. ND – NOT DETECTED
3. NS – NOT SAMPLED, DATA IS FROM PREVIOUS SAMPLING EPISODES.

B – BENZENE
T – TOLUENE
E – ETHYLBENZENE
X – TOTAL XYLENES
TPH – TOTAL PETROLEUM HYDROCARBONS
MTBE – METHYL TERTIARY BUTYL ETHER

30 0 30 60
SCALE FEET

FORMER CHEVRON STATION NO. 9-3521
7651 ALVARADO RD.
LA MESA, CA

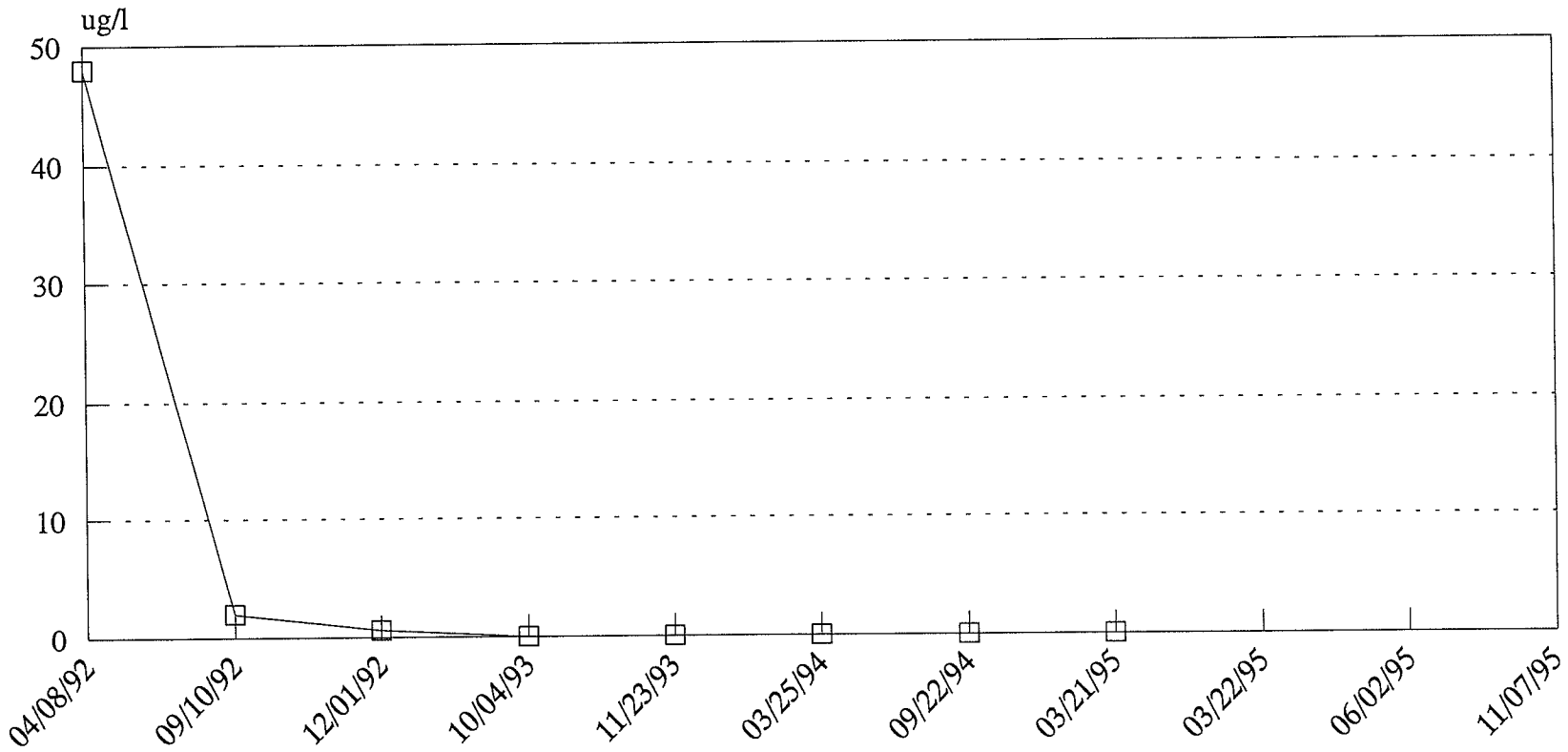
DISSOLVED HYDROCARBON AND MTBE CONCENTRATION MAP

ENVIRONMENTAL Wayne Perry CONSTRUCTION SPECIALISTS	DWG. NO. 39000003	CHKD. BY
	PROJ. NO. 93.390	DRAWN BY PROVANCE
	FIG. NO. 4	DATE 11/29/95

GRAPHS

Graphs 1-2. Benzene Concentrations vs. Time
Graphs 3-4. Hydrographs

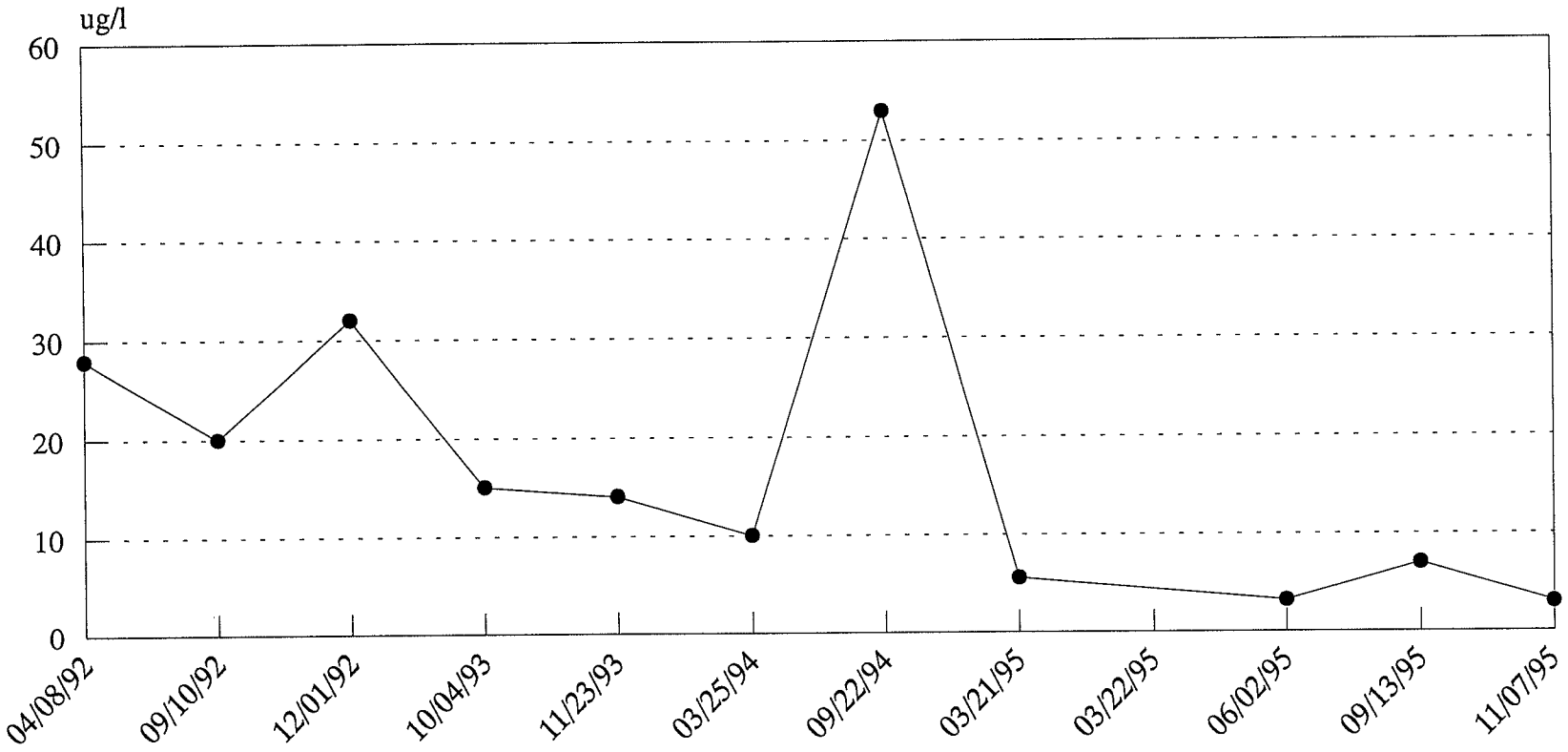
9-3521 Alvarado Rd / Comanche Dr
Benzene Concentrations Over Time



Graph 1

11/27/95
Project No. 93.390
Abandoned during Spring 1995.

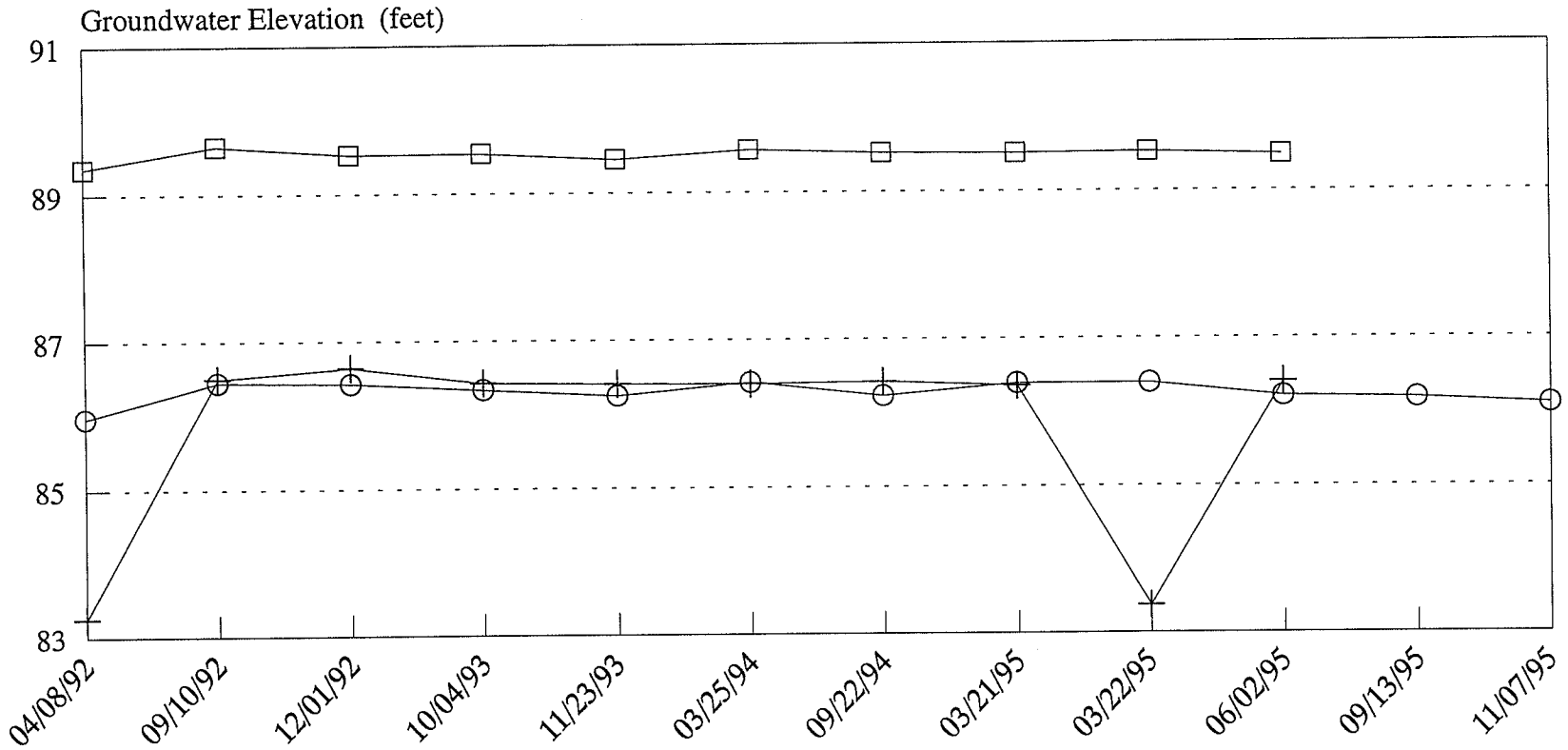
9-3521 Alvarado Rd / Comanche Dr
Benzene Concentrations Over Time



Graph 2

11/27/95
Project No. 93.390

9-3521 Alvarado Rd / Comanche Dr
Hydrograph Over Time

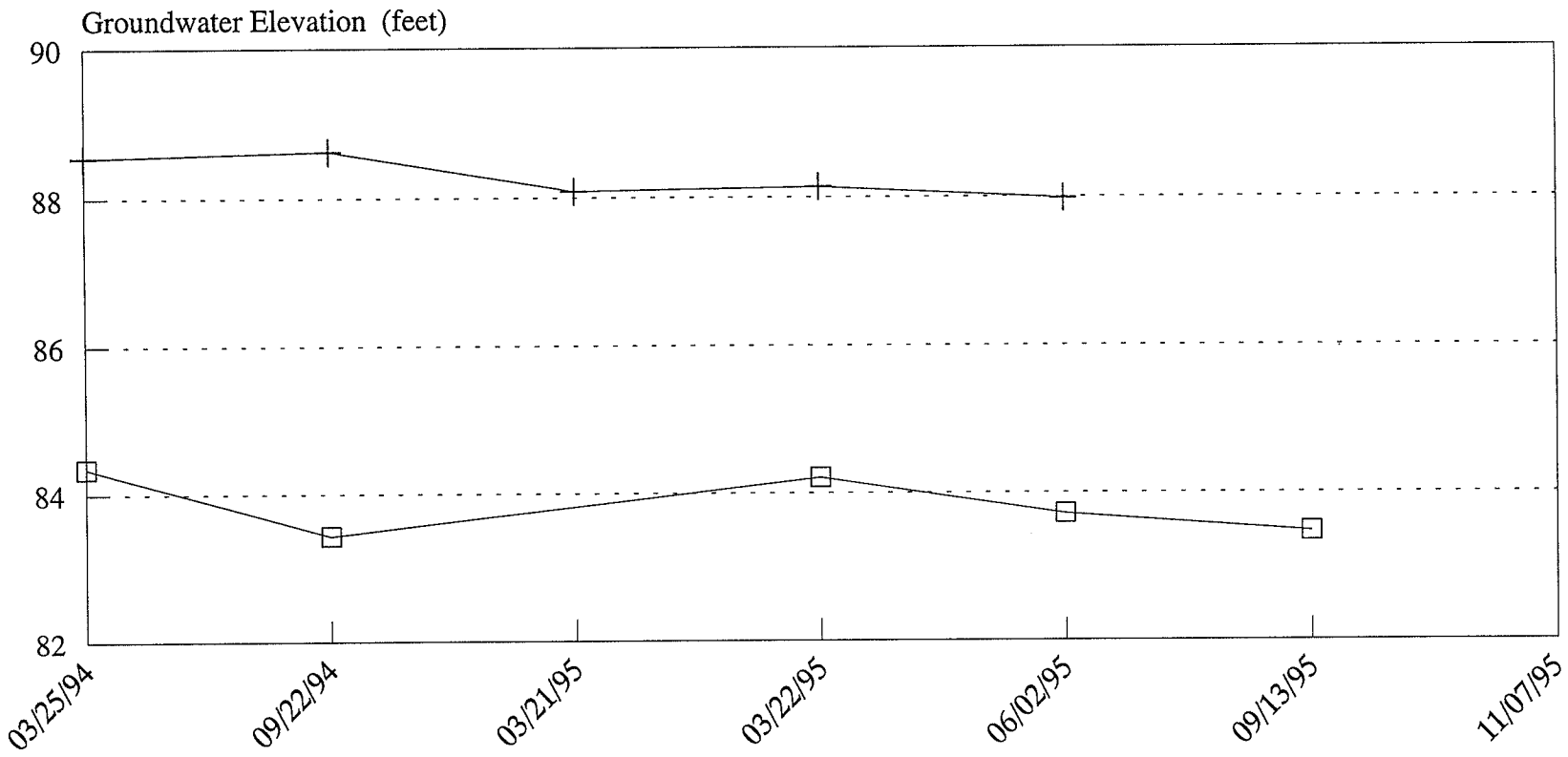


Graph 3

⊟ Well MW-1 ┼ Well MW-2 ⊖ Well MW-3

11/27/95
Project No. 93.390
Wells MW-1 and MW-2 abandoned.

9-3521 Alvarado Rd / Comanche Dr
Hydrograph Over Time



Graph 4

⊟ Well MW-4 ┼ Well MW-5

11/27/95
Project No. 93.390
MW-4 was selectively not sampled
MW-5 abandoned.

QUARTERLY MONITORING REPORT
Former Chevron Service Station #9-3521
La Mesa, California

APPENDIX A

Disposal Documents
Groundwater Sampling Procedures
Field Testing Data

Copy #3 — Memorandum — Short Form — Not Negotiable
(Subject to Terms and Conditions on Reverse)

Chevron

Shipper
Permanent Address

Chevron U.S.A. Products Company
575 Market Street, San Francisco, CA 94105

Doc. No. 127142 /

Received at (Origin) Alvarado / Comanche

Date 11-07-95

Cross Ref. B/L No. # 9-3521

Carrier city of la Mesa

Charge To

Subject to Section 7 of Conditions

Signature

Freight
☐ Prepaid
☐ Collect

F.O.B. ☐ Destination ☐ Origin

Consignee

Ship To

Destination

Delivered By (Signature in Full)

Received by (Signature and Date) [signature] 11/9/95

Commodity Description		Gross Gallons	Temp.	Net Gallons
Gasoline, 3, UN1203, II	Chevron Plus Unleaded Gasoline			
Gasoline, 3, UN1203, II	Chevron Supreme Unleaded Gasoline			
Gasoline, 3, UN1203, II	Chevron Unleaded Gasoline			
Gasoline, 3, UN1203, II, Marine Pollutant (Gasoline Leaded)	Chevron Regular Gasoline			
Gasoline, 3, UN1203, II, Marine Pollutant (Gasoline Leaded)	Chevron AVGAS 100 Low Lead			
Fuel, Aviation, Turbine Engine, 3, UN1863, III	Chevron Jet Fuel A			
Gas Oil, 3, UN1202, III Diesel Fuel delivered does not contain visible evidence of dye	Chevron LS Diesel Fuel No. 1			
Gas Oil, Combustible Liquid, UN1202, III Diesel Fuel delivered does not contain visible evidence of dye	Chevron LS Diesel Fuel No. 2			
Gas Oil, 3, UN1202, III Diesel Fuel delivered does not contain visible evidence of dye	Chevron LS Heating Fuel No. 1			
Gas Oil, Combustible Liquid, UN1202, III Diesel Fuel delivered does not contain visible evidence of dye	Chevron LS Heating Fuel No. 2			
Gas Oil, 3, UN1202, III Diesel Fuel delivered does not contain visible evidence of dye	Chevron Special LS Diesel No. 1 (California Only)			
Gas Oil, Combustible Liquid, UN1202, III Diesel Fuel delivered does not contain visible evidence of dye	Chevron Special LS Diesel No. 2 (California Only)			
Gas Oil, Combustible Liquid, UN1202, III Dyed Diesel Fuel, non-taxable use only, penalty for taxable use	Chevron HS Diesel Fuel No. 2			
Gas Oil, 3, UN1202, III Dyed Diesel Fuel, non-taxable use only, penalty for taxable use	Chevron HS Heating Fuel No. 1			
Gas Oil, Combustible Liquid, UN1202, III Dyed Diesel Fuel, non-taxable use only, penalty for taxable use	Chevron HS Heating Fuel No. 2			
☐ Gasoline described above is oxygenated with at least ____.__% Vol. ____.____.__% Wt. Oxygen				
Groundwater		1.4 gallons		

Released From Premises | Released From Rack | Started Loading | Spotted For Loading | Time Admitted To Premises | Scheduled Loading Time | Point to Point Only

Round Trip Miles | Non-Chg. Delay Mins. | Charged Delay Mins. | Non-Driving Time | Total Time Charged | Return Term./Yard | Finish Unloading | Arrive Destination | Started Haul | Arrived Load Point | Depart Term./Yard | Load No. | Comm. Carrier

Show times of day as on "24 hour clock" — for example, show 10:30 P.M. as "2230." See reverse side for OSHA Hazard Warning Statement, and Initial Emergency Action.

This is to certify that the above-named materials are properly classified, described, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Shipper

Ship Nos.

Customer's Order No.

Shipper's Authorized Representative

Equipment No.	Trk	
	Tlr	
Markers Loaded To	Trk	
	Tlr	
Innage (Inches)	Trk	
	Tlr	

Carrier certifies that cargo tank is a proper container for the transportation of this commodity under applicable D.O.T. regulations.

Signature [signature]

Remains:
☐ Opening
☐ Closing

Gallons Loaded →

OSHA Hazard Warning and Emergency Response Information on Reverse Side.

3 Consignee's Copy

MS-1018 (3-94)
Printed in U.S.A.

CARGO MANIFEST

DATE: 11-7-95

CARRIER'S NAME: Wayne Perry Construction, Inc.
8281 Commonwealth Avenue
Buena Park, California 90621
CSC LICENSE #: 300345 **EPA CAD:** 053841102

ORIGIN EMPTY: Wayne Perry Construction, Inc.
8301 Commonwealth Avenue
Buena Park, California 90621
CSC LICENSE #: 300345 **EPA CAD:** 053841102

Cargo tank capacity: 630 gallons / 275 gallons **Tank #:** 23 **Truck #:** 710

Driver: Thomas Ybarguen **Co-Driver:** Jose Contreras

DESTINATION EMPTY FOR CARGO LOADING:
Jackson / Center — Job # 93.424
Alameda / Comanche — Job # 93.390
Job #
Job #

22 gallons

CARGO CONTENTS OF LOAD:
100 % *Water*
0 % *Gasoline 3 (UN1203) FLAMMABLE PG II*
100 % *Total Liquid*

CARGO DESTINATION: El Segundo Refinery / Gate 3
302 East El Segundo Boulevard
El Segundo, California 90245
EPA CAD: 053841102

COMMENTS: *Loaded* 11/9/95

SIGNED: Thomas Ybarguen

Truck must be unlocked at all times. This manifest must be on the seat within easy reach at all times, whether the truck is occupied or not. Keep on top of Gauge Sheet.

GROUNDWATER SAMPLING PROCEDURES

Prior to sampling, wells were purged of water using a stainless steel bailer. Fast recharging wells were purged of four casing volumes of water. Slow recharging wells were purged until dry and allowed to recover for two hours before sampling. Each casing volume of water was field tested for temperature, pH, and conductivity. The last casing volume was tested for redox potential and dissolved oxygen. Groundwater samples were field tested for turbidity. Field testing data are included in this appendix. Groundwater samples were obtained using a Teflon bailer equipped with a bottom emptying device and placed in VOA bottles with Teflon septums. All purging and sampling equipment was washed in non-phosphate soap and triple rinsed in distilled water between wells to reduce the potential for cross contamination.

In addition to the samples obtained from the wells, a trip blank was prepared to verify the integrity of the field and laboratory procedures. Samples were placed on ice to reduce the potential for volatilization. Samples were transported to a certified laboratory for analyses under strict chain-of-custody procedures.

The groundwater and trip samples were tested for total petroleum hydrocarbons as gasoline using EPA Test Method 8015-Modified and benzene, toluene, ethyl benzene, and xylenes using EPA Test Method 8020. The sample from well MW-3 was also analyzed for methyl tertiary butyl ether using EPA Test Method 8020.

CHEVRON U.S.A. PRODUCTS COMPANY

San Diego County Locations

Field Temperature, Conductivity, pH, Turbidity, Redox, and Dissolved Oxygen Data Sheet

Cross Street: Alvarado Rd / Comanche Dr

Project No: 93.390
Date: 11/07/95

Well # MW-3	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time	12:42						
Purged Water (gal.)	1.4				1.4		
Temperature (°F)	79						
Conductivity (us/cm)	2.20						Begin purge time: 12:40
pH	7.0						End Sampling time: 13:20
Turbidity (NTU)						43	Total time: 00:40
eH (mV)	105						
Dissolved Oxygen (ppm)	1.7						

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time							
Purged Water (gal.)					0		
Temperature (°F)							
Conductivity (us/cm)							Begin purge time:
pH							End Sampling time:
Turbidity (NTU)							Total time: 00:00
eH (mV)							
Dissolved Oxygen (ppm)							

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time							
Purged Water (gal.)					0		
Temperature (°F)							
Conductivity (us/cm)							Begin purge time:
pH							End Sampling time:
Turbidity (NTU)							Total time: 00:00
eH (mV)							
Dissolved Oxygen (ppm)							

Well #	Casing 1	Casing 2	Casing 3	Casing 4	Total Purged	Sample	Comments
Start Time							
Purged Water (gal.)					0		
Temperature (°F)							
Conductivity (us/cm)							Begin purge time:
pH							End Sampling time:
Turbidity (NTU)							Total time: 00:00
eH (mV)							
Dissolved Oxygen (ppm)							

Completed by: Thomas/Jorge

APPENDIX B

Laboratory Report
Chain-of-Custody Document

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92668 - 714/771-6900
FAX 714/538-1209

CLIENT

Chevron - Wayne Perry (6511)
Attn: Truedi Balsitis
8281 W. Commonwealth Ave.
Buena Park, CA 90621

LAB NO. G99761-01

REPORTED 11/16/95

RECEIVED 11/09/95

SAMPLE IDENTIFICATION: Water - **MW-3**
Project Name: 7651 Alvarado/Comanche
Project #93.390 Chevron Facility #9-3521
Date Collected 11/07/95 @ 1:20

BASED ON SAMPLE: As Submitted

Constituent	Method	Date/Analyst		Result	
Benzene	EPA 8020	11/10/95	QD	3	µg/l
Toluene	EPA 8020	11/10/95	QD	5	µg/l
Ethylbenzene	EPA 8020	11/10/95	QD	7	µg/l
Total Xylenes	EPA 8020	11/10/95	QD	9	µg/l
Total Hydrocarbons (Gas.)	TPH-DHS	11/10/95	QD	2,100	µg/l
MTBE	EPA 8240	11/10/95	AS	ND<20	µg/l

ASSOCIATED LABORATORIES, by:

Edward S. Behare, Ph.D.
Vice President

ESB/dss

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

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TESTING & CONSULTING
Chemical · Microbiological · Environmental ·

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92668 - 714/771-6900
FAX 714/538-1209

CLIENT

Chevron - Wayne Perry (6511)
Attn: Truedi Balsitis
8281 W. Commonwealth Ave.
Buena Park, CA 90621

LAB NO. G99761-02

REPORTED 11/16/95

RECEIVED 11/09/95

SAMPLE IDENTIFICATION: Water - **TRIP BLANK**
Project Name: 7651 Alvarado/Comanche
Project #93.390 Chevron Facility #9-3521
Date Collected 11/07/95

BASED ON SAMPLE: As Submitted

Constituent	Method	Date/Analyst	Result
Benzene	EPA 8020	11/10/95 QD	ND <0.5 µg/l
Toluene	EPA 8020	11/10/95 QD	ND <0.5 µg/l
Ethylbenzene	EPA 8020	11/10/95 QD	ND <0.5 µg/l
Total Xylenes	EPA 8020	11/10/95 QD	ND <1.5 µg/l
Total Hydrocarbons (Gas.)	TPH-DHS	11/10/95 QD	ND <500 µg/l

ASSOCIATED LABORATORIES, by:

Edward S. Behare, Ph.D.
Vice President

ESB/dss

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

QA REPORT FORM - ORGANICS

QC Sample:	G99776-1	Report Date:	11/17/95
Matrix:	WATER	File Name:	G1110WB
Prep. Date:	11/10/95	Analysis Date:	11/10/95
Analyst:	QD	Report by :	MT
ID#'s in Batch:	G99761,G99776,G99778,G99779		

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = UG/L

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
TPH	8015M-G	50.00	U	400.00	288.46	299.38	72.1	74.8	3.7

%REC LIMITS =	70-130
RPD LIMITS =	30

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

PREP BLANK		LCS				
Value	ND	Result	True	%Rec	L.Limit	H.Limit
50.00	U	649.12	800.00	81.1	80%	120%

Value = Preparation Blank Value; ND = "U" for Not-Detected

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

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NOV 21 1995
ASSOCIATED

ASSOCIATED LABORATORIES

QA REPORT FORM - ORGANICS

QC Sample:	G99776-1	Report Date:	11/17/95
Matrix:	WATER	Prep. Method:	8020/BTX
		File Name :	BT1110WB
Prep. Date:	11/10/95	Analyst :	QD
Analysis Date:	11/10/95	Report By :	MT

LAB ID#'s in Batch: G99761,G99776,G99778,G99779

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = UG/L

Test	Method	Sample Result	ND	Spike Added	Matrix Spike	Matrix Spike Dup	%Rec MS	%Rec MSD	RPD
Benzene	8020	0.30	U	10.00	10.180	9.500	101.8	95.0	6.9
Toluene	8020	0.30	U	10.00	10.320	9.780	103.2	97.8	5.4
Ethylbenzene	8020	0.30	U	10.00	10.420	9.580	104.2	95.8	8.4
Xylenes	8020	0.60	U	30.00	31.900	29.240	106.3	97.5	8.7

%REC LIMITS =	70-130
RPD LIMITS =	30

ND = "U" - Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

		PREP BLANK		LCS				
Test	Method	Value	ND	Result	True	%Rec	L.Limit	H.Limit
Benzene	8020	0.30	U	7.88	8.00	98.5	80%	120%
Toluene	8020	0.30	U	9.50	8.00	118.8	80%	120%
Ethylbenzene	8020	0.30	U	8.28	8.00	103.5	80%	120%
Xylenes	8020	0.60	U	27.20	24.00	113.3	80%	120%

VALUE = Preparation Blank Value; ND = "U" for Not-Detected

LCS = Lab Control Sample Result

TRUE = True Value of LCS

L.LIMIT / H.LIMIT = LCS Control Limits

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CHEVRON USA, Inc.
P.O. BOX 2833
LA HABRA, CA
90632-2833

Project Name 7651 Alvarado / Comanche
Project I.D. No. 93.390
Consultant Name WAYNE PERRY CONSTRUCTION, INC.
Address 8281 COMMONWEALTH, BUENA PARK, CA
Project Contact (Name) TRUEDI
(Phone) 714/826-0352
Chevron Facility No. # 9-3521
Chevron Contact (Name) Michael Bauer
(Phone)

Laboratory Name Associated
Contact Number
Collected By (Name) THOMAS VELAZQUEZ
(Signature) Thomas Velazquez
Collection Date 11-07-95

CHAIN-OF-CUSTODY RECORD

San Diego County

RECEIVED NOV 21 1995

ANALYSES TO BE PERFORMED

SAMPLE No.	LAB No.	NUMBER OF CONTAINERS	MATRIX SOIL	MATRIX WATER	GRAB	COMPOSITE	DATE	TIME	ACIDIFIED	ICED		MODIFIED EPA 8015 "GAS" TOTAL PETRO. HYDROCARB.	EPA 418.1 TOTAL RECOVERABLE PETROLEUM HYDROCARB.	EPA 8020 "MTBE" AROMATIC VOLATILES-BTXE	EPA 8020 Btex AROMATIC VOLATILES-BTXE	METALS ( )	OTHER			DETECTION LIMIT	REMARKS
mw-3	✓	2		X			11/07/95	1:20	X	X		↓		X							
Trip Blank	✓	2		↓			↓		↓	↓		↓			X						

RELINQUISHED BY (Signature)	ORGANIZATION	DATE/TIME	RECEIVED BY (Signature)	ORGANIZATION	DATE/TIME
Thomas Velazquez	W.P.C	11-07-95 1800	Truedi Balsits	WPI	11/7/95 1800
Truedi Balsits	WPI	11/9/95 11:50	[signature]	Assoc Labs	11-9-95 1200
[signature]	Assoc Labs	11-9-95 1519	RECEIVED FOR LABORATORY BY (Signature) J Waring		11/9 1600

TURN AROUND TIME (CIRCLE CHOICE)
24 HRS
48 HRS
10 DAYS

SW FORM E-1-89

Sheiff (2) SMW

H12687-00X2

Chevron

RECEIVED
FEB 20 11 43 AM '97
ENVIRONMENTAL HEALTH SERVICES

Chevron Products Company
Marketing
Operations Services
1300 South Beach Boulevard
Building 4516
La Habra, California
P.O. Box 2833
La Habra, CA 90632-2833
Phone 310 694 7300

February 14, 1997

Mr. Michael Porter
County of San Diego-DEH/SAM
P.O. Box 85261
San Diego, CA 92186-5261

Groundwater Monitoring Report

SA/M# H12687
Chevron Project #93521
7651 Alvarado Road
La Mesa, CA 91941

Dear Mr. Porter:

Enclosed is the groundwater monitoring report for the site referenced above for the fourth quarter of 1996. As per our agreement in our recent meeting, we have discontinued groundwater monitoring at this site.

If you have any questions please call me at (562) 694-7698.

Sincerely,

Michael S. Bauer

Michael S. Bauer
SAR Project Manager

cc: Mr. C. Wyatt Fluor Daniel GTI

Recycled
Recyclable

BBC ENVIRONMENTAL, INC.
1291 Simpson Way, Suite G, Escondido, CA 92029

BBC Environmental, Inc
Quarterly Groundwater Monitoring Report
Fourth Quarter 1996

Summary Sheet

Chevron Service Station # 9-3521
7651 Alvarado Road
La Mesa, California H12687-002

Chevron Project Manager : M. Bauer
Primary Consultant : Fluor Daniel GTI
(619)453-8415
Lead Agency: County of San Diego.SAM

Approximate Date of Next Sampling : 19-Feb-97

FIELD ACTIVITY:		Date Sampled:	22-Nov-96
Number of groundwater wells on-site:	1	Groundwater Wells monitored:	2
Number of groundwater wells off-site:	1	Groundwater Wells sampled:	1
		Groundwater Wells with Free Product:	0
		Groundwater Phase:	Monitoring
SITE HYDROGEOLOGY:			
Approximate depth to groundwater below ground surface (feet):			10.51
Approximate elevation of potentiometric surface above an Arbitrary Datum (feet):			84.68
Average Increase/Decrease in groundwater elevations since last sampling episode (feet):			-0.7
Approximate flow direction and hydraulic gradient (ft/ft):			Not Applicable
GROUNDWATER CONTAMINATION (TPH-g)			
Number of wells with concentrations below LDL:	1	Concentrations (ug/L):	ND
Number of wells with concentrations above LDL:	0		
Nature of contamination:	Gasoline		
GROUNDWATER CONTAMINATION (BENZENE MCL = 1.0 ug/L)			
Number of wells with concentrations below MCL:	1	Concentrations (ug/L):	ND
Number of wells with concentrations above MCL:	0		
Nature of contamination:	Gasoline		
ADDITIONAL INFORMATION:			

Prepared by: W. B. Craig
Walter B. Craig, R.E.A.
Registered Environmental Assessor #05893

Approved by: Bernhard Lingnau
Bernhard M. Lingnau
California Registered Civil Engineer #C050985

BBC Environmental, Inc. Project # : Chevron R7.1

Submittal Date: 15-Jan-97

REGISTERED PROFESSIONAL ENGINEER
BERNHARD M. LINGNAU
No. C050985
Exp 12-97
CIVIL
STATE OF CALIFORNIA

Telephone (619) 740-1191 Fax (619) 740-1193

Exhibit 1
Sampling and Monitoring Schedule

Monitoring Well Gauging and Sampling Frequency 1996
Chevron Station 9-3521
La Mesa, California

WELL NUMBER	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
MW-3	X	X	X	X
MW-4	X			

Exhibit 2
Summary of Groundwater Levels
and Chemical Analysis Results

Table 1
Summary of Groundwater Levels and Chemical Analysis Results (Current Event)
Chevron Station 9-3521, 7651 Alvarado Road, La Mesa, California

Date Sampled	Elevation (feet)*	Well Number	Depth to Groundwater (feet)	Groundwater Elevation (feet)*	TPHg [1] µg/L (ppb)	Benzene [2] µg/L (ppb)	Toluene [2] µg/L (ppb)	Ethyl-benzene [2] µg/L (ppb)	Total Xylenes [2] µg/L (ppb)	MTBE [2] µg/L (ppb)
11/22/96	97.19	MW-3	11.17	86.02	ND	0.56	1.3	ND	ND	ND
11/22/96	93.17	MW-4	9.84	83.33	--	--	--	--	--	--
11/22/96	NA	Trip Blank	NA	NA	ND	ND	ND	ND	ND	--

Table 1

Summary of Groundwater Levels and Chemical Analysis Results
Chevron Station 9-3521, 7651 Alvarado Rd, La Mesa, California

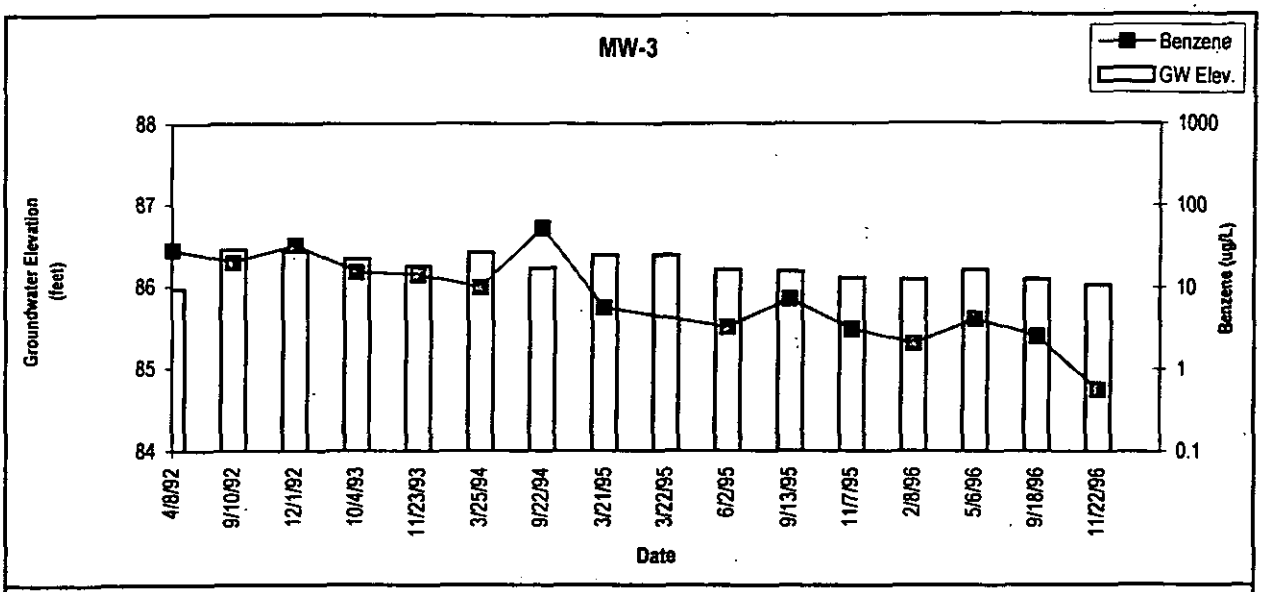
Soil removed April 1992 & characterized, then back-filled (~2300 yd³)

Well No. and Elevation (feet)*	Date	Depth to Groundwater (feet)	Groundwater Elevation (feet)*	TPH-G[1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [2] µg/l (ppb)
MW-3	4/8/92	11.22	85.97	21000	28	5.1	320	640	–
97.19	9/10/92	10.74	86.45	8400	20	22	100	27	–
	12/1/92	10.76	86.43	11000	32	2.7	120	29	–
	10/4/93	10.85	86.34	4800	15	1	40	9	–
	11/23/93	10.94	86.25	5500	14	0.9	78	19	–
	3/25/94	10.77	86.42	4300	10	ND	58	12	ND
	9/22/94	10.96	86.23	3500	53	ND	15	2.9	12
	3/21/95	10.80	86.39	3400	5.6	1.4	8.5	2.9	9.1
	3/22/95	10.80	86.39	–	–	–	–	–	–
	6/2/95	10.98	86.21	3770	3.2	0.6	1.8	ND	ND
	9/13/95	11.01	86.18	2160	7	1	ND	30	ND
	11/7/95	11.09	86.10	2100	3	5	7	9	ND
	2/8/96	11.11	86.08	1990	2	1	5	2	ND
	5/6/96	10.99	86.20	890	4	1	9	4	ND
	9/18/96	11.10	86.09	930	2.5	3	3	4	ND
	11/22/96	11.17	86.02	ND	0.56	1.3	ND	ND	ND
MW-4	3/25/94	8.83	84.34	ND	ND	ND	ND	ND	ND
93.17	9/22/94	9.74	83.43	ND	ND	ND	ND	ND	ND
	3/21/95	–	–	–	–	–	–	–	–
	3/22/95	8.97	84.20	ND	ND	ND	ND	ND	ND
	6/2/95	9.46	83.71	–	–	–	–	–	–
	9/13/95	9.70	83.47	–	–	–	–	–	–
	11/7/95	9.72	83.45	–	–	–	–	–	–
	2/8/96	9.33	83.84	ND	ND	ND	ND	ND	ND
	5/6/96	9.54	83.63	–	–	–	–	–	–
	9/18/96	9.77	83.40	–	–	–	–	–	–
	11/22/96	9.84	83.33	–	–	–	–	–	–
Trip Blank	11/22/96	NA	NA	ND	ND	ND	ND	ND	–
Detection Limits		NA	NA	500	0.5	0.5	0.5	1.5	10

Notes:
[1] Analyzed for Total Petroleum Hydrocarboan as Gasoline by modified EPA method 8015. [2] Analyzed by EPA method 8020.
feet* = Feet above mean sea level, MTBE = Methyl tert-Butyl Ether, ppb = parts per billion, – =Not Measured, ND = Not Detected.

Exhibit 3
Benzene and Groundwater Elevation vs. Time Graphs

Chevron Station 9-3521
La Mesa, California



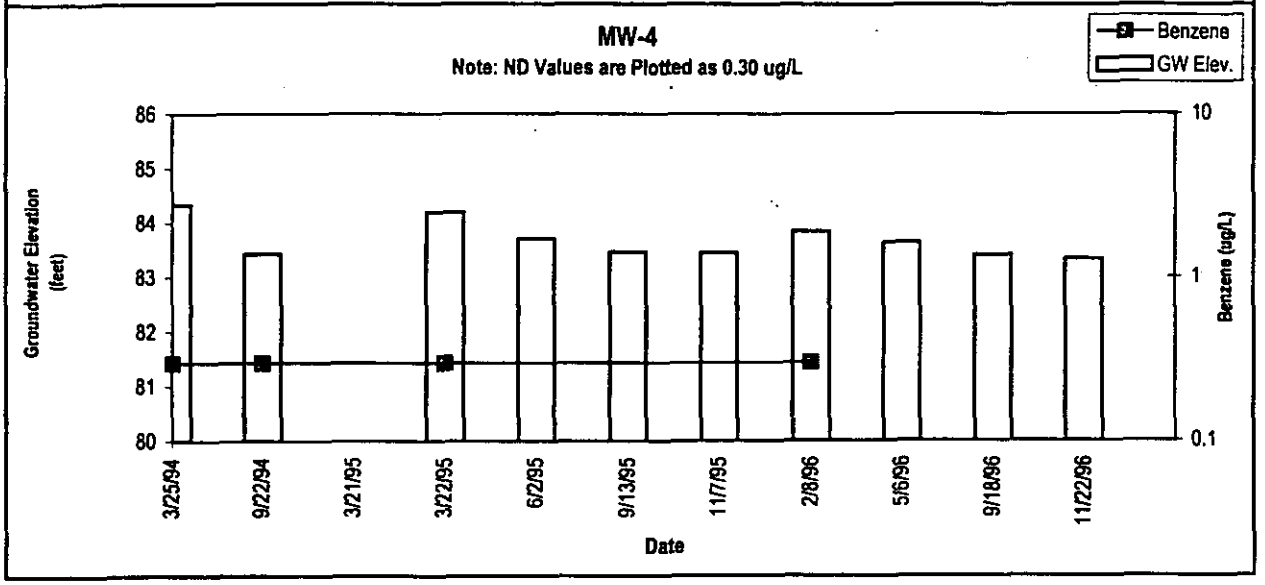


Exhibit 4
Field Procedures

Groundwater samples were collected using pre-packaged, disposable, bottom-filling/emptying bailers. The bailers were lowered down each well on virgin string until approximately two-thirds full and then extracted and inspected for a hydrocarbon odor or free product sheen. If any odor or sheen was detected, it was recorded on the GSFDS for the respective well. The bailers were then decanted into appropriate containers. The containers were filled to overflowing using volatile organic chemical samplers and quickly sealed with teflon-lined septum lids to reduce the potential for volatilization of dissolved hydrocarbons. Each sample container was then inverted and gently tapped to confirm the absence of headspace. The groundwater samples were collected from wells in the presumed order of increasing contaminant levels, where possible. Bailers and the associated string were discarded after the sampling of each well.

All sample containers were labeled and affixed with custody seals with a field technician's signature and date. The custody seals were affixed to the sample containers in such a manner as to provide evidence of any tampering which might occur prior to laboratory analysis. The containers were then placed in water-tight plastic bags and stored in a cooler with water ice or other frozen medium capable of sustaining a temperature of four degrees Celsius.

Duplicate samples were collected from one well and labeled as FD-1 in order to keep the source of the duplicate sample unknown to the laboratory. Two laboratory-prepared, VOA vial trip blanks were also maintained throughout the sampling event and submitted for laboratory analysis. The groundwater samples were kept chilled until relinquished to a courier along with a completed chain-of-custody form for delivery to the analytical laboratory.

Free Product Removal

Free product was removed from any of the wells in which it was detected with the vacuum truck or by hand bailing the wells. All field data recorded regarding free product removal is included on the GSFDS.

Disposal Of Purge And Decontamination Water

All purge water generated during the monitoring and sampling event was either transported off site the same day it was generated in the vacuum truck, stored in 55 gallon barrels and removed during a milk-run by vacuum truck, or treated by BBC Environmental, Inc.'s portable groundwater purge and treatment trailer and disposed of with a local sanitary sewer permit.

FIELD PROCEDURES

Groundwater Monitoring Procedures

Monitoring of the groundwater wells at the subject site was conducted with an interface probe. The probe was used to determine the depth from a surveyed datum point to any free product and the groundwater in each well.

Prior to the monitoring of each well, the interface probe was decontaminated by washing the probe and associated tape in a solution of Liqui-Nox detergent and tap water and rinsing them in two successive rinses of tap water. After decontamination, the probe was lowered down a well to the first-encountered fluid and the corresponding depth was measured to the nearest 0.01 foot and recorded. If the probe indicated that the first-encountered fluid was an oil product, the probe was lowered further into the well until groundwater was detected and the corresponding level was then measured and recorded in the same manner. After the liquid level(s) in a well had been monitored, the probe was lowered to the bottom of the well and the total depth was measured to the nearest 0.1 feet in the same manner indicated above and recorded. The probe was then extracted from the well and decontaminated in preparation for the monitoring of the next well.

The groundwater wells were monitored in the presumed order of increasing contaminant levels, when possible. All monitoring data is included on the Groundwater Sampling Field Data Sheets (GWFDS).

Monitoring Well Purging Procedures

After all groundwater wells had been monitored, the wells were purged in preparation for sample collection. Purging was conducted with either a vacuum truck, down-hole submersible pump, or by hand bailing.

During the purging process groundwater samples are collected so that temperature, pH, and conductivity can be monitored. The data are recorded on the GSFDS along with observations of water color, turbidity, and hydrocarbon odor.

Purging was continued until at least three casing volumes of groundwater had been removed and/or three successive reading were recorded for temperature, pH, and conductivity which varied by no more than 10% between each reading. All information recorded regarding purging volumes and times is included on the GSFDS III.

Groundwater Sample Collection Procedures

Prior to the collection of groundwater samples, each monitoring well is allowed to recharge to at least eighty percent of the original well volume, except slow recharging wells (wells which do not recharge to within eighty percent with in two hours), which are sampled as soon as sufficient water has accumulated with in the well. Recharge depths were measured using a decontaminated interface probe. The recharge depths and the corresponding times of measurement are recorded on the GSFDS.

Exhibit 5
Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Chevron, 9-3521 Location 7651 Alvarado Road La Mesa, Ca Project # Chevron R7-1	☐ Monitoring Only ☐ Free Product Pumpout Only ☒ Monitoring and Sampling ☐ _____
BBC Personnel Onsite / Times	James Wallace Ar. 08:00 /Dep. 08:40
Contractor Personnel / Times	Ar. /Dep.
Monitoring Times / Order	08:00 - 08:10 // 3, 4
Purging Times / Order	08:10 - 08:12 // 3
Sampling Times / Order	08:30 // 3,

Monitoring Equipment
Water / FP Level
pH/Cond/Temp/Turb

☐ ORS, # 06-02013 ☐ Oakton (Cond) ☐ ICM (Turb)
☐ Hanna, # 1266282 (pH/Cond/Temp) ☒ Solinst
☐ Hydac, # 9021 (pH/Cond/Temp) ☐ _____

Purging Method ☒ Bailer ☐ Pump ☐ Purge Trailer

☐ Vacuum Truck (☐ Maness ☐ ECI ☐ Island ☐ Erickson ☐ _____)

Purge Volume Readings ☐ Flow Meter ☐ Sight Gauge on Vacuum Truck

☒ Bucket ☐ _____

Field Duplicate Collected From None

Purge Water Destination ☐ Barrels On-Site (# of _____)

☒ Sanitary Sewer (Permit # To) ☐ Storm Drain (Permit # _____)

☐ Treatment Facility _____

Notes / Comments

MW-4 DTW = 9.84

Well Repair

Signature J.W. Wall	Date 11/30/96	Page 1 of 2

GROUNDWATER SAMPLING FIELD DATA SHEET

Client, SS# Chevron,9-3521 | **Well #** MW-3 | **Sampled By** JWW

Well Information Well Survey Point Notch to North

Casing Material	PVC	Casing / Well Diameter	4" / ?
Constructed Well Depth	—	Casing Vol —	Well Vol 3.4
Measured Well Depth	13.40	Actual Purge Volume	4 (Gal)
Depth to Product	—	Product / Water Removed	— / — (Gal)
Depth to Water	11.17	Color Of Product	—

Well Box Type and Location ☒ Emco Wheaton ☐ Pomeco ☐ Alhambra ☐ Vault (_____)
☐ DWP (Steel / Alum.) ☐ CNR ☐ Monument Box Location: _____

Well Box Bolts # of Bolts 2 ☐ 7/16" ☐ 1/2" ☐ 9/16" ☐ 5/8" ☐ 9/16" ☒ 15/16" ☐ _____
# of Bolts Broken Off 0 # of Bolts Missing 0 ☐ _____

Seal Condition ☒ Good ☐ Fair ☐ Poor (_____) ☐ Cracked ☐ None

Crown Height ☐ Good ☒ Fair ☐ Poor (_____) ☐ Depressed
☐ None (_____) ☐ Not Applicable (Monument Box)

Time	Volume (Gal)	pH	Cond (µMhos)	Temp (°C)	Color	HC Odor	Turbidity
08:10	0	6.6	1700	17.6	Clear	None	—
08:11	2	6.4	1727	17.8	Black	"	—
08:12	4	6.4	1763	17.7	"	"	—
08:12	4	Purged	Dry	- Stopped	Purging	—	

Pumping Rate 2.0 GPM | 80% Recharge Depth 11.62 | Sample Time 08:30

Field Duplicate Yes / No | Recharge Depth 12.86 @ 08:28 | Caps / Lock

Notes:

Signature [signature] | Date 11/~~19~~ 22/96 | Page 2 of 2

Exhibit 6
Analytical Laboratory Report

002013

Del Mar Analytical
2852 Alton Ave., Irvine, CA 92714 (714) 261-1022 FAX (714) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

CHEVRON USA PRODUCTS COMPANY

P.O. BOX 2833
LA HABRA, CA 90632-2833

CHAIN OF CUSTODY FORM

DATE: 11.22.96
PAGE: 1 OF 1

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

CHEVRON CONSULTANT: BBC Env., Inc.
ADDRESS: 1291 Simpson Way #6 Escondido, Ca
PROJECT CONTACT: J. Wallace PHONE NO: (619) 740-1191
CONSULTANT PROJECT NO: Chevron R.7.1
SAMPLED BY (PRINT NAME): James Wallace SAMPLER'S SIGNATURE: J.W. Wallace

CHEVRON FACILITY NO. 9-3321
CHEVRON SITE LOCATION La Mesa,
CHEVRON CONTACT M. Bauca
SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	EPA 8015G/8020	TPH/GAS - 8015M	EFH/DIESEL - 8015	EPA 602/8020 MTBE	VOLATILE ORGANICS (624/8240/8260)	TOTAL LEAD EPA 6010	ORGANIC LEAD	TITLE 22 METALS EPA 6010/7000 TTLC [ ] STLC [ ]				
MW-3	11-22-96	08:30	Water	HCl	3	X			X								
Trip Blank	—	"	"	"	1	X											

REMARKS:

SPECIAL QC REQUIREMENTS:

TURNAROUND TIME:
24 HR
48 HR
72 HR
5 DAYS
10 DAYS X

SAMPLE INTEGRITY:
INTACT X
ON ICE X

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
J.W. Wallace	11-26-96 11:40	[signature]	11-26-96 11:40
[signature]	11-27-96 10:50	Chris Meeker	11-27-96 10:50
[signature]	11-27-96 1:50	RECEIVED IN LAB BY: [signature]	11-27-96 1350

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92714 (714) 261-1022 FAX (714) 261-1228
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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Water

Date: 11/30/96

Sample #: C6111569

Batch #: FK30G11W

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppb	ppb	ppb	ppb	%	%	%	%	RPD	Mean PR
TPH	6.6	200	160	157	77	75	1.6	76	≤30	70 - 115
Benzene	0	20	18	18	92	91	0.92	92	≤25	70 - 121
Toluene	0	20	21	21	106	105	1.2	105	≤25	70 - 124
Ethylbenzene	0	20	20	20	102	102	0.72	102	≤25	70 - 127
Xylenes	0.023	60	62	62	104	103	0.92	104	≤25	70 - 126

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

Del Mar Analytical

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92714 (714) 261-1022 FAX (714) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

BBC Environmental	Client Project ID: Chevron 9-3521	Sampled: Nov 22, 1996
1291 Simpson Way, Suite G	La Mesa, CA	Received: Nov 27, 1996
Escondido, CA 92029	Analysis Method: EPA 5030/8020	Extracted: Dec 1, 1996
Attention: James Wallace	First Sample #: C6111561	Analyzed: Dec 1, 1996
		Reported: Dec 6, 1996

MTBE (EPA 8020 MODIFIED)

Laboratory Number	Sample Description Water	Sample Result µg/L (ppb)
C6111561	MW-3	N.D.
Method Blank		N.D.

Detection Limit:	**10**

MTBE = Methyl tert-Butyl Ether

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1169)

Alma Borcuk
Laboratory Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92714 (714) 261-1022 FAX (714) 261-1228
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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

BBC Environmental
1291 Simpson Way, Suite G
Escondido, CA 92029
Attention: James Wallace

Client Project ID: Chevron 9-3521
La Mesa, CA
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: C6111561

Sampled: Nov 22, 1996
Received: Nov 27, 1996
Extracted: 11/30-12/1/1996
Analyzed: 11/30-12/1/1996
Reported: Dec 6, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Water	Volatile Fuel Hydrocarbons µg/L (ppb)	Benzene µg/L (ppb)	Toluene µg/L (ppb)	Ethyl Benzene µg/L (ppb)	Total Xylenes µg/L (ppb)
C6111561	MW-3	N.D.	0.56	1.3	N.D.	N.D.
C6111562	Trip Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Method Blank		N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**500**	**0.50**	**0.50**	**0.50**	**1.5**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1169)

Alma Borcuk
Laboratory Manager

Results pertain only to samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

SECOR
International Incorporated

RECEIVED
2002 MAY 3 AM 10 36
D.E.H.
HAZARDOUS

May 2, 2002

Ms. Marisue Crystal
County of San Diego – Department of Environmental Health
Land and Water Quality Division
1255 Imperial Avenue, Third Floor
San Diego, California

Re: **Well Destruction Report**
Former Chevron Service Station No. 9-3521
7651 Alvarado Road
La Mesa, California
Establishment No. H12687-002
Permit No. W100439

Dear Ms. Crystal:

On April 25, 2002, SECOR International Incorporated (SECOR), on behalf of Chevron Products Company (Chevron), supervised the destruction two groundwater monitoring wells associated with the property referenced above (Figure 1 and Figure 2).

Field Activities

Prior to commencement of field activities, SECOR obtained a Monitoring Well Destruction Permit (Permit No. W100439) from the County of San Diego Department of Environmental Health Land and Water Quality Division (SAM). The well permit cover sheet is included for reference (Attachment 1).

Field activities were conducted in accordance with the 2002 SAM Manual guidelines and conditions of SAM permit No. W100439, issued on March 29, 2002. West Hazmat Drilling (West Hazmat) conducted well destruction activities using a CME 75 drill rig equipped with 10-inch diameter hollow-stem augers.

On April 25, 2002, the well casings of the two wells (MW-3 and MW-4), were over-drilled to approximately 2 feet below the total depth of the wells to remove the annular seal and filter pack materials used in the construction of the wells. Well MW-3, located in the along the northern property line, was originally installed to approximately 15 feet below ground surface (bgs) and well MW-4, located immediately northwest of well MW-3 on the adjacent property, was installed to 12 feet bgs. The original well completion logs are included for reference (Attachment 2). The well casings were removed and disposed of by West Hazmat. Each borehole was backfilled with approximately 100

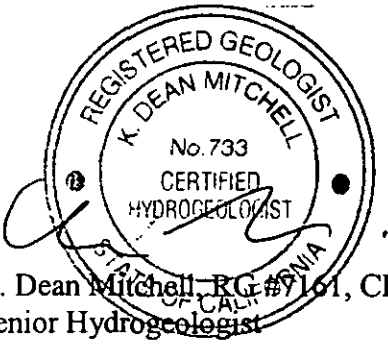
gallons of bentonite grout. The bentonite grout mixture was comprised of approximately 1.5 50-pound bags of grout powder per 45 gallons of water. The augers were slowly removed and the bentonite grout was allowed to settle. The top 2 feet of each borehole was sealed with concrete. The exterior concrete seals around the former well boxes were removed using a jackhammer and a flush concrete patch was installed.

Non-Hazardous Waste Disposal

The non-hazardous soil cuttings generated from the well destruction activities were placed in labeled 55-gallon drums and temporarily stored onsite prior to disposal. TPS Technologies is scheduled to remove the drums from the site and recycle the soil.

If you have any questions regarding the foregoing, please contact Melissa R. Wendt at (714) 379-3366.

Respectfully Submitted,
SECOR International Incorporated



Melissa R. Wendt
Environmental Scientist
Project Manager

K. Dean Mitchell, RG #7161, CHg #733
Senior Hydrogeologist

Attachments:
Figure 1 – Site Location Map
Figure 2 – Site Plan Showing Locations of Destroyed Wells
Attachment 1 – Well Destruction Permit Cover Sheet
Attachment 2 – Original Well Completion Logs of Destroyed Wells

Cc: Mr. Jerry Bogaczyk, Chevron Products Company
Mr. Kent Houth, County of San Diego - SAM
Mr. Timothy Collett, West Hazmat Drilling

FIGURES







0 2,000

SCALE 1 : 24,000

APPROXIMATE SCALE IN FEET

REFERENCE: TOPO CD-ROM; LA MESA, SAN DIEGO, CALIFORNIA 1964 PHOTOREVISED 1961.

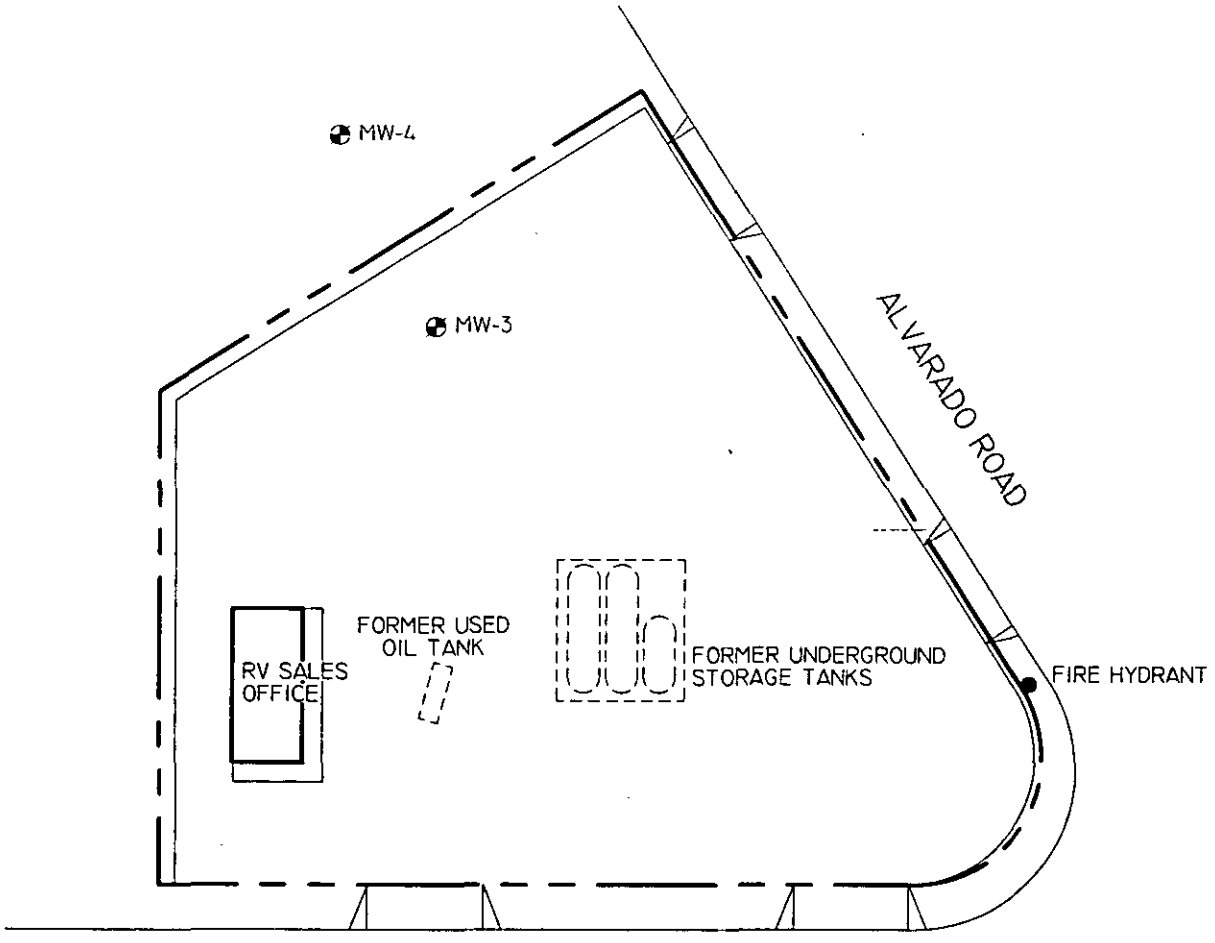
SECOR INTERNATIONAL INCORPORATED
5882 BOLSA AVENUE, SUITE 200
HUNTINGTON BEACH, CALIFORNIA 92649
PHONE: (714) 379-3366 FAX: (714) 379-3375

SITE LOCATION MAP

FORMER CHEVRON No. 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA

FIGURE:

DWG PATH:	DATE:	APPR:	JOB:	DWN BY:
F:\ACTIVE\CHEVRON NEW SERVER\CH.93521.SLM(02)	05/02/02	KC	14CH.0779300.0011	LR



LEGEND:

PROPERTY LINE

DESTROYED GROUNDWATER MONITORING WELL

0 30 60

APPROXIMATE SCALE IN FEET

SECOR INTERNATIONAL INCORPORATED
5882 BOLSA AVENUE, SUITE 200
HUNTINGTON BEACH, CALIFORNIA 92649
PHONE: (714) 379-3366 FAX: (714) 379-3375

SITE MAP SHOWING LOCATIONS OF DESTROYED WELLS

FORMER CHEVRON No. 9-3521
7651 ALVARADO ROAD
LA MESA, CALIFORNIA

FIGURE: 2

DWG PATH: 14\F:\ACTIVE\Chevron\Closure\San Diego\93521\C9-3521.dwg	DATE: 05/02/02	APPR: KC	JOB#: 14CH.0779300.0011	DWN BY: CR

ATTACHMENT 1

WELL DESTRUCTION PERMIT COVER SHEET

RECEIVED
APR 09 2002
By_____

PERMIT # W100439
A.P.N. 470-020-12
EST # H12687-002

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL AND BORING CONSTRUCTION AND DESTRUCTION PERMIT

SITE NAME: FORMER CHEVRON STATION #9-3521

SITE ADDRESS: 7651 ALVARADO ROAD, LA MESA 91941

PERMIT FOR: **DESTROY 2 GROUNDWATER MONITORING WELLS**

PERMIT APPROVAL DATE: MARCH 29, 2002

PERMIT EXPIRES ON: JULY 27, 2002

PERMIT CONDITIONS:

1. **All material within the original borehole, which includes the casing, filter pack and annular seal must be removed. The borehole must be completely filled with an approved sealing material as specified in Department of Water Resources Bulletin 74-90.**

2. All wash water must be contained and disposed of properly.

3. All water and soil that is placed in drums must be labeled and stored as specified in the SAM Manual in: Section 5, page 7, (5).

4. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

5. This office must be given 48 hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact Well Permit Desk at (619) 338-2339.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: _____ DATE: 3/29/02
Ernesto L. Profeta

Notified: by VM 3/29/02 EP

ATTACHMENT 2

ORIGINAL WELL COMPLETION LOGS OF DESTROYED WELLS

GROUNDWATER TECHNOLOGY

Drilling Log

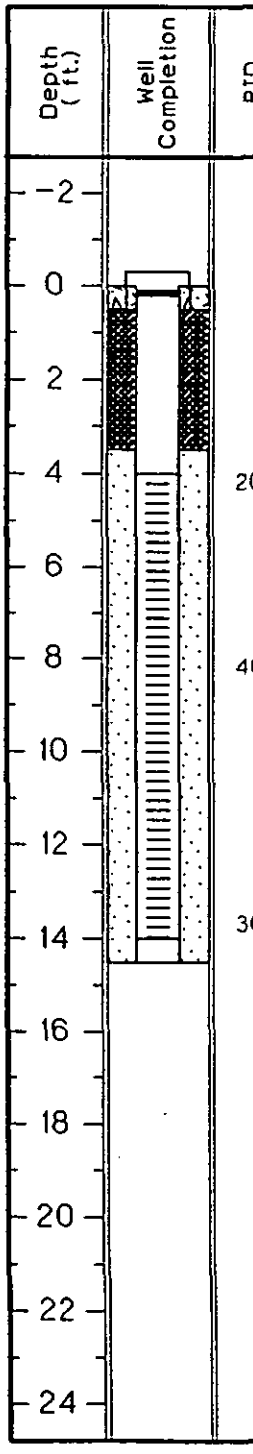
Monitoring Well **MW3**

Project *Chevron / La Mesa* Owner *Chevron U.S.A. Products Company*
Location *7651 Alvarado Rd., La Mesa* Project No. *023402346* Date drilled *3/27/92*
Surface Elev. ____ Total Hole Depth *14.5 ft.* Diameter *0.8 ft.*
Top of Casing *98.27 ft.* Water Level Initial ____ Static *11.22 ft.*
Screen: Dia *4 in.* Length *10 ft.* Type/Size *.020 in.*
Casing: Dia *4 in.* Length *4 ft.* Type *Schedule 40 PVC*
Filter Pack Material *#3 lapis lustre* Rig/Core Type *Mobil B61 HDX*
Drilling Company *H.E.M.C. Environmental* Method *Hollow Stem Auger* Permit # *W92595*
Driller *Alan Luther* Log By *Jim Molesworth*
Checked By *Gary Pischke* License No. *CEG 1501*

See Site Map For Boring Location

COMMENTS:

Static water level is measured from top of casing.



PID (ppm)	Sample ID	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
				Dark gray clayey gravel with some silt, very moist, no hydrocarbon odor.
200	MW1-4.5		GC	Same as above. Grab sample collected.
400	MW1-8.5			Same as above. Grab sample collected.
				Decrease in drilling rate, increase in cobbles. Stadium Conglomerate.
300	MW1-14			Light gray to brown, COBBLE CONGLOMERATE with clay and silt matrix
				End of boring, installed monitoring well.

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well **MW-4**

Project Chv/9-3521 Owner Chevron U.S.A. Products Company
Location 7651 Alvarado Rd., San Diego, CA Proj. No. 023404779
Surface Elev. ____ Total Hole Depth 13.5 ft. Diameter 10 in.
Top of Casing ____ Water Level Initial 9 ft. Static ____
Screen: Dia 4 in. Length 8 ft. Type/Size 0.020 in.
Casing: Dia 4 in. Length 4 ft. Type SCH 40 PVC
Fill Material #3 Sand Rig/Core Mobile B61 HDX
Drill Co. A & R Drilling Method Hollow Stem Auger
Driller Mark Smith Log By Jim Molesworth Date 12/28/93 Permit # W93952
Checked By Kyle Rheubottom License No. RG 5100

See Site Map For Boring Location

COMMENTS:

Depth (ft.)	Well Completion	HNU (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2							
0			MW4-				0.0 to 4.0 ft. Sandy GRAVEL (GW): Fine to medium, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.
2							
4							
6			5	50		GW	5.0 ft. Sandy GRAVEL (GW): Fine to medium, pebble, cobble, 10% silt, 20% sand, subrounded to subangular, very dense, light brown, dry, no odor.
8							
10				50			Encountered water at 9 feet. No recovery. Very dense.
12							Drill refusal at 12 feet with 10-inch augers.
14							Drill refusal at 13.5 feet with 8-inch augers.
16							
18							
20							
22							
24							

PS/at
AUGUST 7, 1990

NINYO & MOORE
PRIORITY POLLUTANT - METALS
SAMPLE TYPE - SOIL COMPOSITE

ANALYSIS	METHOD	TTLC (mg/kg)	LOG NUMBER: 11124-90 SAMPLE ID: B-1,2,3 @ 2.0,1.5,1.5 UNITS: MG/KG	11127-90 B-4,5,6 @ 2.0,2.0,2.0 MG/KG
ANTIMONY	6010	500	<2.46	<2.49
ARSENIC	6010	500	<2.46	1.29 *
BERYLLIUM	6010	75	0.280	0.274
CADMIUM	6010	100	<0.394	<0.398
CHROMIUM	6010	2500	14.7	17.0
COPPER	6010	2500	29.9	70.0
LEAD	6010	1000	6.38	8.21
MERCURY	7471	20	0.049	<0.050
NICKEL	6010	2000	6.58	7.47
SELENIUM	6010	100	<2.46	<2.49
SILVER	6010	500	2.37	1.71
THALLIUM	6010	700	<2.46	<2.49
ZINC	6010	5000	15.4	154

* ANALYZED BY METHOD 7060

~~STLC - Soluble Threshold limit concentration~~

* TTLC - total threshold limit concentration

PETER SHEN
LABORATORY DIRECTOR

PS/at

QUALITY ASSURANCE
LABORATORY

AUGUST 7, 1990

NINYO & MOORE
PRIORITY POLLUTANT - METALS
SAMPLE TYPE - SOIL COMPOSITE

ANALYSIS	METHOD	LOG NUMBER: 11130-90 SAMPLE ID: B-1,2,3 @ 5.0,5.0,5.0 UNITS: MG/KG	11133-90 B-4,5,6 @ 5.0,5.0,5.0 MG/KG
ANTIMONY	6010	<2.50	<2.46
ARSENIC	6010	0.813 *	<2.46
BERYLLIUM	6010	0.293	0.264
CADMIUM	6010	<0.400	<0.394
CHROMIUM	6010	15.3	9.79
COPPER	6010	26.3	22.4
LEAD	6010	4.70	<1.23
MERCURY	7471	0.061	0.049
NICKEL	6010	10.2	3.34
SELENIUM	6010	<2.50	<2.46
SILVER	6010	7.84	<0.197
THALLIUM	6010	<2.50	<2.46
ZINC	6010	6.85	<0.197

* ANALYZED BY METHOD 7060

FEDERAL STANDARDS

PETER SHEN
LABORATORY DIRECTOR

QUALITY ASSURANCE
LABORATORY

RÉSUMÉS

ALLISON O'NEAL

Education

BS – Geology, Humboldt State University, Arcata, 2018

Professional Experience

Ms. O'Neal is an Associate Professional with educational background and project experience involving geologic and groundwater analysis, soil sampling, and related fieldwork. She utilizes critical and geologic analytic techniques to produce, analyze, and interpret maps, cross-sections, and other graphics derived from field and laboratory reconnaissance. She collects and evaluate multi-media sampling (rock, sediment, and groundwater), and has completed field activities in a variety of terrains and conditions, including the use of field equipment (handheld GPS, survey level and rod, auger, assist flying drone) to provide data for analysis. Using several kinds of professional software (Microsoft Office, Global Mapper, Adobe Illustrator, ArcGIS), she can work on multiple projects simultaneously, and has contributed to technical reports and other professional communications. Her college coursework included hydrogeology, neotectonics, petrology, structural and sedimentary geology, geomorphology, and earth systems history.

LUKE MONTAGUE, PG

Education

MS – Environmental Science and Management, University of California Santa Barbara, 2004
BS – Geology, University of California Santa Barbara, 1998

Professional Licenses

Professional Geologist – California (No. 8071)
General Building Contractor, B Classification – California (No. 981618)

Specialty Certifications

Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) 40-Hour Training
Real Estate Entitlement, Development, and Design, University of San Diego, 2010
Real Estate Finance, Investments, and Development, University of San Diego, 2010

Professional Experience

Mr. Montague is a professional geologist (PG) and licensed contractor with 16 years of experience in environmental consulting, general contracting, commercial and residential development, and property and asset management. He has performed and reviewed over 500 Phase I environmental site assessments (ESAs), and has completed subsurface investigations, human health risk assessments, removal action work plans, site remediation activities, geotechnical investigations, asbestos and lead-based paint surveys, and asbestos air monitoring. His development, general contracting, and property and asset management experience includes managing construction through lease-up; lease administration and property operations and maintenance; contract procurement and administration; oversight of subcontractors and staff; and interfacing with clients, owners, tenants, and regulatory agencies.

His project experience is summarized below.

Brixton Capital, Gasoline Service Station Redevelopment with Retail Buildings, Chula Vista, CA. As Project Manager, oversaw assessment, remedial planning, and remediation consisting of oversight, segregation, and on-Site burial of residual petroleum hydrocarbon-impacted soils from a former gasoline service station release property redeveloped with new retail buildings.

RD Brown Company, Leaking Underground Storage Tank (LUST) Case Assessment and Remediation, City of Imperial, CA. As Project Manager, oversaw several on- and off-site soil, soil vapor, and groundwater assessments, and is currently overseeing ongoing remediation and monitoring of a proposed senior living facility at a former gasoline service station.

San Diego County Water Authority (SDCWA), Environmental Consulting Services, San Diego, CA. As Project Manager, completed several ESAs and subsurface assessments to assist the SDCWA in obtaining easements required to complete the Carlsbad Desalination Project.

City of Encinitas, Site Investigation and Planning, Encinitas Community Park, Encinitas, CA. As Project Geologist, provided oversight for the mitigation and monitoring activities of pesticides in soil from the Hall Property, which consists of 43 acres of coastal bluff that was formerly used as a nursery and was redeveloped into a community park. Under the oversight of the County of San Diego Department of Environmental Health (DEH), work consisted of Phase II ESAs, remedial planning and implementation of on-site reuse/burial of 45,000 cubic yards of pesticide-impacted soil in a Soil Management Zone, and creation of a land-use covenant. SCS received an award for this project with the Industrial Environmental Association.

Los Angeles Unified School District (LAUSD), Assessment and Remediation, Various Locations in Los Angeles County, CA. Managed and performed the environmental characterization and cleanup of various proposed school redevelopment projects overseen by the California Department of Toxic Substances Control (DTSC) that required Phase I ESAs, preliminary environmental assessments or subsurface investigations, and preparation and implementation of removal action work plans to obtain "no further action' status prior to redevelopment.

City Heights Revitalization Corporation, Brownfields Assessment and Remediation, City Heights, CA. Managed a subsurface investigation for an entire Brownfields city block planned for redevelopment. The investigation included extensive drilling, trenching, and hand auguring to estimate the volume of lead- and hydrocarbon-impacted soil from residual contamination from a former service station and from lead-based paint. Work also included negotiation of cleanup levels with the local regulatory agency.

Casmalia Steering Committee, Remedial Investigation, Casmalia, CA. Managed and performed soil vapor sampling at the Casmalia Hazardous Waste Management Facility, a Class I hazardous waste site, for a remedial investigation and feasibility study of soil gas impacts submitted to the Environmental Protection Agency (EPA). Soil gas impacts to ecological receptors were assessed considering specific regulatory guidance, including the joint DTSC and Los Angeles Regional Water Quality Control Board (LARWQCB) Advisory on Active Soil Gas Investigations.

The Boeing Company, Underground Storage Tank (UST) Assessment, Long Beach, CA. Performed subsurface vapor intrusion to indoor air analysis at a former aeronautics manufacturing facility. Soil, soil vapor, and sub-slab soil vapor assessments were conducted to determine appropriate corrective actions associated with former solvent USTs. Work was performed under the corrective action consent agreement with the DTSC.

Trihydro Corporation, Soil Vapor Sampling, Hooven, OH. Performed soil vapor sampling from indoor air probes and outdoor multi-level probes at residences in Hooven, OH. This project focused on helping evaluate the potential for subsurface vapor intrusion to indoor air from volatilization of petroleum hydrocarbons in groundwater or light, non-aqueous phase liquid petroleum product, originating from an adjacent former fuel and asphalt petroleum refinery. The vapor intrusion pathway was evaluated based on a request by the EPA, Region V, and was performed in accordance with the EPA-issued document, *Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soil*, 2002.

CSK Auto, Phase I ESAs, Various Sites in the Western US. Conducted Phase I ESAs, subsurface investigations, and geotechnical investigations for the development of auto parts chain stores in the western US. Work included site investigations, drilling operations, and records research.

AT&T/Gianni & Associates, Phase I ESAs and Geotechnical Investigations, San Diego, CA. Completed Phase I ESAs, transaction screen assessments, National Environmental Policy Act (NEPA) reports, asbestos surveys, and geotechnical investigations involving the development of wireless communications sites.

Ford Mance Company, Construction and Property Management, Mixed-Use Building at 111 Chesterfield Drive, Encinitas, CA. Served as project manager during development and construction phases of a 2-story, Type V, 3,874-square-foot mixed-use building with subterranean parking. Responsibilities included managing all phases of construction and shell and tenant improvements, and assisting in construction supervision activities and lease up. Development activities included oversight and collaboration of architectural, mechanical, electrical, and plumbing plans preparation, assisting with design research and decisions, obtaining various permits, and preparing cost and budgets. After construction, Mr. Montague also served as the property and asset manager.

Ford Mance Company, Construction and Property Management, Del Norte Medical Plaza, Carlsbad, CA. Served as project manager during development and construction of a 2-story, Type II, medical building with subterranean parking. Responsibilities included contracting out all phases of shell construction of 22,000 square feet of rentable area for medical use, collaborative oversight concerning architectural, mechanical, electrical, and plumbing plans preparation, assisting with design research and decision-making, obtaining various permits, and preparing costs and budgets. After construction, Mr. Montague also served as property and asset manager.

California Department of Fish and Game, Carpinteria Creek Watershed Plan, Carpinteria, CA. Collaborated with local and state government representatives, and various stakeholders, to aid in preparing the Carpinteria Creek Watershed Plan under the Cachuma Resource Conservation District for the California Department of Fish and Game. Work consisted of research, meetings, various field assessments, report writing, and map creation. The Plan served as an amendment to the Water Quality Control Plan for the Central Coast Region.