



FUGRO WEST, INC.

1050 Melody Lane, Suite 160
Roseville, California 95678
Tel: (916) 782-2110
FAX: (916) 786-7830

Date: March 21, 1994

Project Name: E.C. Buehrer

1061 Eastshore Highway

Albany, California 94710

To: Neal Hamre

E.C. Buehrer

1061 Eastshore Highway

Albany, California 94710

From: Laura Odenthal

Ext: 106

Memo: Dear Mr. Hamre:

Please find the enclosed documentation requested by Mr. Juliet Shin of Alameda County as additional evidence for the closure of this site. Copies of this document have been provided to the agency listed below. Should you have any questions regarding this correspondence please contact us at (916) 782-2110.

Sincerely, Laura Odenthal

For your	cc:	Juliet Shin, Alameda County Health Care Services Agency, Dept.	
Use	X	of Environmental Health	
Approval			
Review			
Information			
Other			

Project # 90-007

Letter of Transmittal

U.S. operating companies in California, Louisiana, Missouri, and Texas
International operating companies in Australia, Belgium, Brunei, Canada, Germany, Hong Kong, Indonesia, Japan, Malaysia, The Netherlands, Saudi Arabia, Singapore, United Kingdom, and United Arab Emirates.

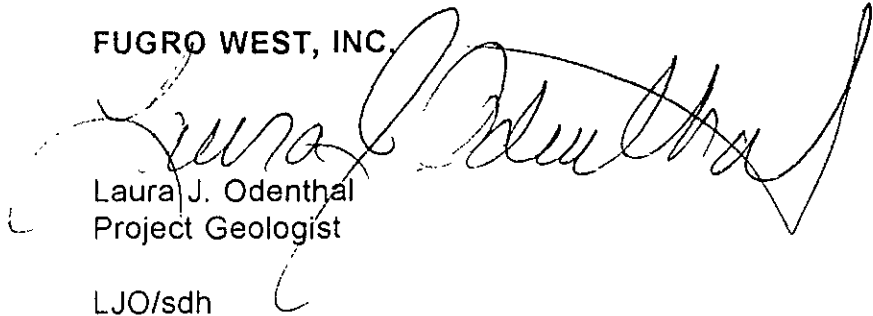
94 MAR 23 PM 1:48
ALCO
HAZMAT



Fugro trusts that this information completes the requirements for closure for this site. should you have any additional requests please contact us at (916) 782-2110.

Sincerely,

FUGRO WEST, INC.



Laura J. Odenthal
Project Geologist

LJO/sdh

Enclosures



FUGRO WEST, INC.

1050 Melody Lane, Suite 160
Roseville, California 95678
Tel: (916) 782-2110
FAX: (916) 786-7830

March 21, 1994

Mr. Neil Hamre
E.C. Buehrer Associates, Inc.
1061 Eastshore Highway
Albany, California 94710

Subject: **Additional Closure Requests**
STID 1323
1061 Eastshore Highway, Albany, CA

Dear Mr. Hamre:

I am providing the attached information to you and copying the appropriate agencies as a response to correspondence received from the Alameda County Health Care Services Agency, Department of Environmental Health, dated December 9, 1993 (Attachment A). This correspondence requests additional information in the form of documentation on the disposal of the tanks and all soil removed from the site.

Information requested by the county includes documentation on the original underground storage tank (UST) removal by Willis Brothers Excavating. This firm no longer exists and records are apparently not available. Included here is a portion of a report (no date available) which shows the location of the original tank excavation (Attachment B). Further research indicates that no native soil was excavated during the original tank removal in February 1988. Aegis Environmental overexcavated approximately 1,100 cubic yards of soil from the site from April 29 to May 6, 1992. During this time, an additional 550-gallon UST was removed. Details regarding these activities are included in the attached "Soil Excavation Results Report" dated July 1, 1992 (Attachment C). Attachment D includes a Waste Characterization Form for the excavated soil and invoices from BFI Landfill documenting receipt of the soil. The 1992 tank disposal information is included as Attachment E

- ATTACHMENTS:** ATTACHMENT A . . . ALAMEDA COUNTY CORRESPONDENCE
ATTACHMENT B REPORT (DATE UNKNOWN)
ATTACHMENT C SOIL EXCAVATION RESULTS REPORT
JULY, 1, 1992
ATTACHMENT D BFI LANDFILL INFORMATION
ATTACHMENT E TANK DISPOSAL INFORMATION

ATTACHMENT A
ALAMEDA COUNTY CORRESPONDENCE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



90 007
12 16 1993
CF/LD
RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

December 9, 1993

Mr. Neil Hamre
E.C. Buehrer Associates, Inc.
1061 Eastshore Hwy.
Albany, CA 94710

STID 1323

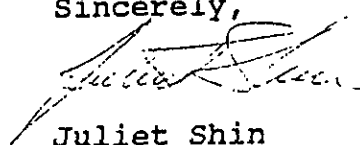
Re: Request for closure for the site located at 1061 Eastshore
Hwy., Albany, California

Dear Mr. Hamre,

This office is in the process of reviewing the files for the above site to determine whether this site is ready for closure. This office has noted that there is still some pertinent information missing to adequately assess this site for closure. We are missing documentation on the fate of the excavated soil resulting from the initial removal of the 300-gallon and 1,000-gallon underground storage tanks (USTs), the removal of the second 1,000-gallon UST, and overexcavation of the site. Additionally, we are missing information documenting the disposal of all the above USTs from the site. This documentation needs to be submitted before this office can recommend this site for closure. Please submit these documents **within 30 days** of the date of this letter.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,


Juliet Shin
Hazardous Materials Specialist

cc: Laura J. Odenthal
Aegis Environmental, Inc.
1050 Melody Lane, Ste 160
Roseville, CA 95678

Edgar Howell-File(JS)

ATTACHMENT B
REPORT (DATE UNKNOWN)

III. EXTENT OF SOIL CONTAMINATION ON SITE

Since the previous tank removals were conducted by others, little is known as to the magnitude, if any, of soil contamination that was encountered during the excavation. From inspection of the sampling results included in Attachment A, it would appear that high groundwater was encountered during the tank removals (pit water samples were collected in lieu of soil sampling).

The results of the analyses performed on water samples collected from the excavation indicated the presence of Oil and Grease in the pit water at levels up to 17 mg/L, Total Petroleum Hydrocarbons as Gasoline up to 2 mg/L, and Benzene up to 0.180 mg/L.

In addition to petroleum hydrocarbons, the following halogenated organics were detected in the parts-per-billion range:

- 16 PPB - trans-1,2-Dichloroethylene (6.5 ppb)
- 40 PPB = Dichloromethane (10 ppb)
- 1.0 PPB - 1,1,2,2,-Tetrachloroethane (3.4 ppb)
- 200 PPB - 1,1,1,-Trichloroethane (28 ppb)
- 20 PPB - 1,1-Dichloroethane (18 ppb)

?? very little

The plan for determining groundwater contamination, as discussed in Section IV of this proposal, provides for the analysis of all soil and groundwater samples for volatile organics according to EPA method 624/8240. An attempt will be made to determine the concentrations and extent of these halogenated organic compounds, as well as any other non-petroleum volatile hydrocarbons that may be present in the soil and shallow groundwater beneath the site.

IV. PLAN FOR DETERMINING GROUNDWATER CONTAMINATION

Placement of Monitoring Wells

The purpose of the proposed groundwater investigation is to install and sample three on-site monitoring wells in order to 1) determine the direction of shallow groundwater flow beneath the site, and 2) define the extent of any petroleum constituents that may be present in the shallow groundwater beneath the site.

The proposed locations of the wells are shown in Figure 3. The locations have been selected based upon 1) known locations of soil contamination during previous tank removals, 2) the expected shallow groundwater flow direction, and 3) what is believed to be good spacing between data points in order to achieve reasonable plume definitions of any contaminants that may be present in the shallow groundwater beneath the site.

Monitoring Well Installations

Well installation will begin as soon as possible, following approval by the appropriate regulatory agencies. Each well will be installed with a truck-mounted drill rig using 8-inch hollow-stem augers. During the drilling, soil samples for chemical analyses will be collected at 5-foot intervals until the shallow water table is encountered at a depth of approximately 5 to 10 feet below the ground surface. Each soil sample will be collected by driving a split-barrel sampler fitted with clean brass liners. All samples will be immediately placed on ice, then transported under chain-of-custody to the laboratory by the end of the work day.

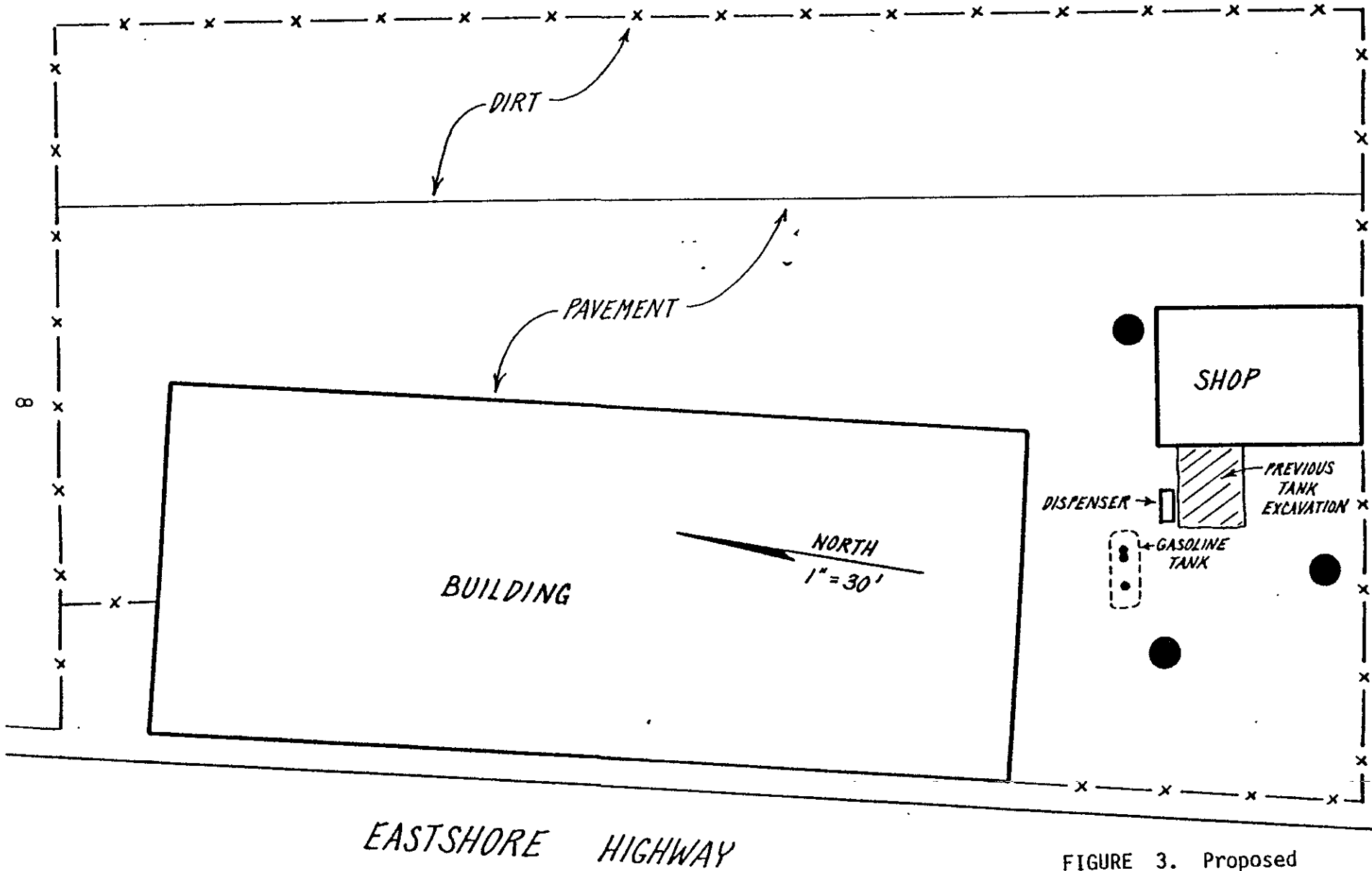


FIGURE 3. Proposed Locations of Monitoring Wells.

The well borings will extend to approximately 10 feet below the shallow water table or until a competent clay layer is encountered (a thickness greater than 5 feet). Each well will be cased to approximately five feet above the shallow water table with 2-inch PVC slotted screen pipe (0.02" slots). The annular space of each well will be packed to one foot above the slotted section with #3 Monterey Sand. At least one foot of wetted bentonite pellets will be placed upon the sand pack, followed by a neat cement/bentonite seal up to the ground surface. Each well will be fitted with a locking steel traffic lid. The borings will be logged in the field by Gary Aguiar, registered civil engineer #34262 (a statement of qualifications is included as Attachment B). A typical well construction diagram is shown in Figure 4.

Prior to the installation of each well, all drilling equipment, including augers, drill stem, and split barrel samplers, will be steam-cleaned on-site.

All drill cuttings will be drummed and stored on-site until the results of laboratory analyses are obtained. Depending upon these results, the cuttings will be disposed of as either a non-hazardous waste, or else as a hazardous waste under proper manifest to an appropriate TSD facility.

In order to determine groundwater flow direction, the top-of-casing elevation at each monitoring well will be surveyed to within 0.01 foot of an established on-site benchmark.

Groundwater Sampling Plan

Within three days of installation, each well will be developed by removing water with a teflon bailer until the water is relatively clear, or until the apparent turbidity of the water being removed has stabilized.

Prior to sampling, each well will be purged by bailing at least 5 casing

TYPICAL MONITORING WELL CONSTRUCTION

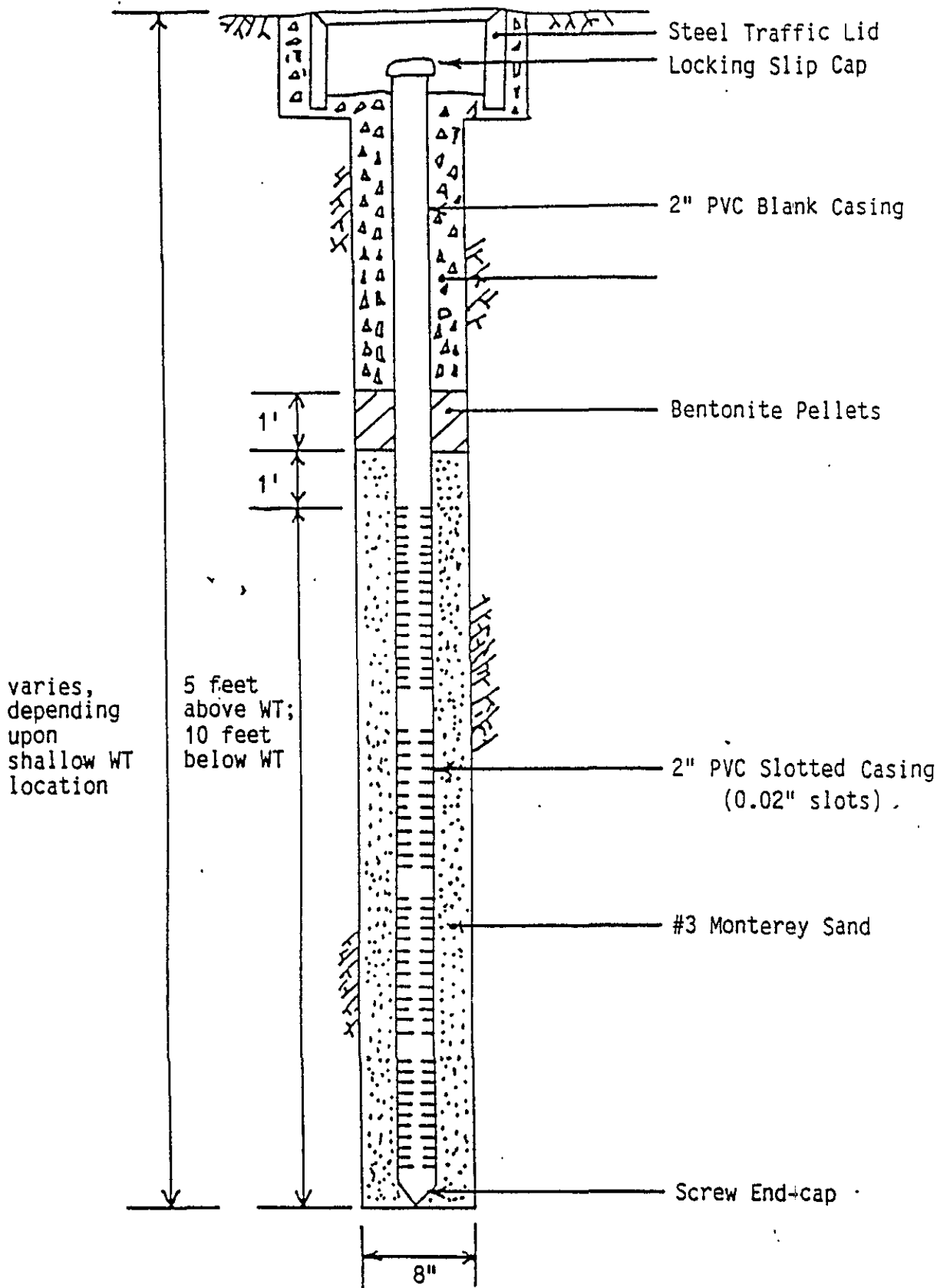


FIGURE 4.
Typical Monitoring
Well Construction.

volumes of water. After a well has been adequately purged, a groundwater sample will be bailed and placed in the appropriate containers, as required by the particular laboratory method protocols. All samples will then be immediately placed on ice, then transported under chain-of-custody to the laboratory by the end of each work day.

At the time each monitoring well is sampled, the following information will be recorded in the field: 1) depth-to-water prior to purging, using an electrical well sounding tape, 2) identification of any floating product, sheen, or odor prior to purging, using a clear teflon bailer, 3) sample pH, 4) sample temperature, and 5) specific conductance of the sample.

All analyses will be conducted by a California State DOHS certified laboratory in accordance with EPA recommended procedures. All soil and groundwater samples will be analyzed for 1) total petroleum hydrocarbons as gasoline, 2) BTX, 3) oil & grease, and 4) volatile organics scan (EPA 624/8240).

All water removed from the well during development and purging will be drummed and stored on-site until the results of laboratory analyses are obtained. Depending upon these results, the water will be sewered as a non-hazardous liquid waste, or else it will be transported as a hazardous liquid waste under proper manifest to an appropriate TSD facility for treatment and disposal.

ATTACHMENT C

SOIL EXCAVATION RESULTS REPORT
JULY, 1, 1992

SOIL EXCAVATION RESULTS REPORT

**E.C. Buehrer
1061 Eastshore Highway
Albany, California**

Aegis Project No. 90-007

July 1, 1992

Prepared By:
AEGIS ENVIRONMENTAL, INC.
1050 Melody Lane, Suite 160
Roseville, California 95678
(916) 782-2110

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FIGURE 1	SITE LOCATION MAP
FIGURE 2	SITE MAP WITH EXCAVATION AND SOIL SAMPLE LOCATIONS

TABLES

TABLE 1 ANALYTICAL RESULTS: SOIL AND GROUNDWATER
SAMPLES FROM BENEATH UST

TABLE 2 ANALYTICAL RESULTS: EXCAVATION SOIL SAMPLES

APPENDICES

APPENDIX A STANDARD OPERATING PROCEDURES

APPENDIX B LABORATORY ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY FORMS: SOIL CHARACTERIZATION SAMPLES

APPENDIX C LABORATORY ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY FORMS: UST EXCAVATION SAMPLES

APPENDIX D LABORATORY ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY FORM: SOIL EXCAVATION SAMPLES

APPENDIX E BORING LOGS

APPENDIX F COMPACTION TESTING REPORT

1.0 INTRODUCTION

This report documents subsurface remediation and investigation activities conducted by Aegis Environmental, Inc. (Aegis), at E.C. Buehrer, Inc., located at 1061 Eastshore Highway in Albany, California (Figure 1). This report is based, in part, on information obtained by Aegis from E.C. Buehrer and regulatory agency files, and is subject to modification as newly acquired information may warrant.

1.1 Purpose

The purpose of the activities was to:

- remove an underground storage tank (UST) and associated piping;
- remediate soil containing petroleum hydrocarbons beneath the site by excavation;
- characterize and dispose of the excavated soil stockpiled on site; and,
- install a monitoring well in the area of the excavation, within 10 feet of the UST removed in 1988.

1.2 Scope

The completed scope of work, summarized below, was performed in accordance with Aegis' standard operating procedures included in Appendix A. Because depth to groundwater was known to be approximately 3.5 to 4.0 feet below grade, the maximum depth of the excavation was approximately 3.0 to 3.5 feet.

- From April 29 through May 6, 1992, approximately 1,000 to 1,200 cubic yards of soil were excavated from the site. Soil samples were collected from the excavation and submitted for laboratory analysis to characterize the soil and assess remaining hydrocarbon concentrations.
- Excavated soils were stockpiled on and covered by plastic sheeting.
- On May 4, 1992, a 1,000-gallon gasoline UST was removed. Soil and water samples were collected from beneath the tank and associated dispenser.
- On May 7 through May 13, 1992, the excavation was backfilled with crushed rock and sand, and compacted to 90+ percent.
- On May 20, 1992, concrete paving completed site restoration activities.

- On June 3, 1992, two groundwater monitoring wells were installed in the area of the excavation.
- On June 9 and 10, 1992, after soil characterization and profiling, the stockpiled soil was transported from the site, by a licensed hauler, to the Browning-Ferris Industries (BFI) landfill in Livermore.

2.0 BACKGROUND

2.1 Site Description

The site is located in an industrial area of Albany, Alameda County, California (Figure 2). Fork-lifts and other equipment are rented and maintained at the facility. An equipment maintenance building with service bays lies along the western property boundary and a welding/machine shop is on the southern portion of the property. Adjacent to the welding/machine shop was a 1,000-gallon, double-wall fiberglass UST containing regular-unleaded gasoline as well as one dispenser island. The tank, product lines, and dispenser were removed during the May 1992 excavation activities.

2.2 Site History

In December 1987, a 300-gallon UST containing waste-oil reportedly failed a precision tank test. The failed test, in part, prompted a decision to remove the waste-oil tank. On February 18, 1988, the single-wall, steel waste-oil tank and a 1,000-gallon, single-wall, steel UST gasoline tank were excavated and removed from the site. According to file documents, the 1,000-gallon UST had not been in use for the previous 2 to 3 years. Because of shallow groundwater, liquid samples were collected from the excavation instead of soil samples. The sample from the waste-oil tank excavation contained 17 parts-per-million (ppm) total oil & grease (TOG), 0.10 ppm benzene, and several chlorinated hydrocarbon compounds at concentrations up to 0.028 ppm. The liquid sample from the gasoline UST excavation contained 2.0 ppm total petroleum hydrocarbons (TPH), as gasoline, and 0.18 ppm benzene ("Proposal for Subsurface Investigation," Hageman-Shank, Inc., November 16, 1989).

2.3 Previous Investigation Activities

- In April 1990, Aegis drilled and installed four monitoring wells (MW-1 through MW-4) at the site. Volatile petroleum hydrocarbons (TPH, as gasoline, and benzene, toluene, ethylbenzene, and total xylenes (BTEX)) and non-volatile hydrocarbons (TPH, as diesel and motor oil, TOG) were detected in soil and groundwater samples from these wells (Aegis' "Hydrogeological Results Report," June 12, 1990).

- On April 2 and 3, 1991, nine soil borings were drilled and sampled to depths ranging from 3 to 14 feet below grade to further assess the vertical and lateral extent of petroleum hydrocarbons in the soil and groundwater. Four of the soil borings were converted to monitoring wells MW-5 through MW-8. All soil samples from these borings contained detectable concentrations of TPH, as motor oil (up to 280 ppm), and TOG (up to 2,400 ppm). Only one soil sample contained detectable concentrations of TPH, as gasoline (3.0 ppm), and BTEX (up to 0.12 ppm). Groundwater samples from the wells contained concentrations of TPH, as diesel (up to 230 parts-per-billion (ppb)), and BTEX (up to 1.8 ppb; Aegis' "Problem Assessment Report," August 1, 1991).
- The wells have been sampled quarterly since April 1991. Wells MW-1 through MW-4 were abandoned in August 1991 in anticipation of the excavation activities.

2.4 Adjacent Land Uses

The site is located in an industrial area of Albany, California, near the Berkeley city limits. Adjacent to the site's eastern boundary is an open area that formerly accommodated an Alcan aluminum metals plant. To the north exists an irrigation and plumbing supply business, to the south is a diesel-engine service and repair shop. Eastshore Highway is located to the west of the site, parallel to Interstate Highway 80.

Environmental investigations have been documented east of the site at the former Alcan plant and the Southern Pacific Railroad tracks, and south of the site at a bus repair shop. Underground storage tanks were being removed from this latter site in May 1992. There are numerous industrial facilities within a 1/2-mile-radius of the subject site.

2.5 General Geology and Hydrogeology

The 1977 geologic map of California indicates the site is underlain by Quaternary age alluvium. The soils types reported during excavation activities were organic, heavy clay ("bay mud") to a depth of approximately 4 feet below existing grade. Material such as glass, leaves, and metal were encountered at various depths across the site, indicating previous filling of the area had occurred.

Site surface drainage is mainly to the west, following local topography. San Francisco Bay is less than 1/2 mile west of the site. Periodic water-level measurements in the groundwater monitoring wells on site indicate groundwater is approximately 3 to 4 feet below surface, and varies with tidal fluctuations. The groundwater gradient is estimated to be approximately 0.01 ft/ft to the west.

3.0 EXCAVATION PROCEDURES AND RESULTS

3.1 Procedures

Excavation activities were conducted with a backhoe to remediate soil containing petroleum hydrocarbons beneath the site. The work was directed by Aegis personnel and performed according to Aegis' "Soil Remediation Work Plan," dated August 21, 1991, and approved by the Alameda County Department of Environmental Health (ACDEH). Because depth to groundwater was known to be approximately 3 to 4 feet below grade, the maximum excavation depth was approximately 3.5 feet. The extent of the excavation (Figure 2) was estimated based on previously acquired soil boring data and site structure constraints. Aegis personnel attempted to segregate the soil into stockpiles based on hydrocarbon content estimated by sight, odor, and with a portable photoionization detector. The field segregation effort was not completely successful because concentrations of semi- or non-volatile oil & grease constituents, the primary hydrocarbon compounds present, generally cannot be readily estimated by field observation and screening techniques. All soil was stockpiled on and covered by plastic sheeting.

Samples collected from the excavation were analyzed by Coast to Coast Analytical Services of San Luis Obispo, California, a state-certified analytical laboratory. Soil samples were collected from:

- several locations within the excavation, for soil characterization;
- beneath the removed UST and dispenser, according to underground tank closure regulatory guidelines; and,
- the sidewalls of the excavation (every 20 feet) to assess hydrocarbon concentrations remaining in the soil.

Laboratory reports and chain-of-custody forms documenting analytical methods and results and sample disposition are included in Appendix B for the soil characterization samples, Appendix C for the UST excavation samples, and Appendix D for the soil excavation samples. -

3.2 Excavation Results

The excavation work began by demolishing the concrete paving on April 29, 1992. During the demolition, the water line for the welding/machine shop was damaged and was later repaired. Groundwater monitoring well MW-8 was damaged during concrete excavation activities, and subsequently completely removed.

Four soil samples (A, B, C, and D, not shown on Figure 2) were collected after concrete removal from obviously oily material in the approximate center of the proposed excavation area. The samples were collected from a depth of approximately 1 foot below ground surface for "worst case" initial soil characterization. The four soil samples were composited into two samples and submitted for analysis for soluble metals, using the California WET extraction (Waste Extraction Test), and semi-volatile TPH, using the TCLP extraction (Toxic Characteristic Leaching Procedure). The analytical results (Appendix B), indicated no soluble metals present in the soil at concentrations exceeding state-designated hazardous waste levels. No detectable concentrations of TCLP/TPH were reported.

From April 29 through May 6, 1992, approximately 1,000 to 1,200 cubic yards of soil containing petroleum hydrocarbons were excavated from the southwest portion of the site, as shown on Figure 2.

On May 4, 1992, a 1,000-gallon gasoline UST was removed from the site. Under the direction of ACDEH personnel, two soil samples were collected from the bottom of the tank excavation (#1 and #2) and one soil sample was collected from beneath the associated dispenser (#3) to assess hydrocarbon concentrations in the soil in these areas. The soil samples were analyzed for TOG, TPH, as diesel and gasoline, and BTEX. The analytical results, summarized in Table 1, indicated only TOG was detected in the soil samples, at concentrations ranging from 170 to 230 ppm. A groundwater sample (#8) was collected from water in the tank excavation. The water sample was analyzed for the same compounds as the soil samples, and for the metals cadmium, chromium, lead, nickel, and zinc. The analytical results, summarized in Table 1 and Appendix C, indicated 0.1 ppm TPH, as gasoline, and 21 ppm TOG were the only organic compounds detected. The metals results were all below applicable drinking water and/or hazardous waste limits.

From May 5 through 7, 1992, soil samples #9 through #25 were collected from the sidewalls of the excavation at a depth of approximately 3 feet below grade. All sidewall samples were analyzed for TOG. The analytical results, summarized in Table 1 and Figure 2, indicated concentrations of TOG ranging from less than 50 to 3,000 ppm, with the average concentration between 500 and 1,000 ppm.

On May 6 through 13, 1992, the excavation was backfilled with crushed rock and sand, and compacted to 90+ percent. The compaction testing report is included in Appendix F. A concrete slab was poured on the top 6 inches of the backfill material.

On June 9 and 10, 1992, after soil characterization and profiling, the stockpiled soil was transported from the site, by a licensed hauler, to the BFI landfill.

4.0 MONITORING WELL INSTALLATION

On June 3, 1992, two groundwater monitoring wells were installed in the area of the excavation. Well MW-9 was installed to monitor groundwater in the vicinity of the former UST. Well MW-8 was installed to replace the original well destroyed during site excavation activities.

Wells MW-8 and MW-9 were installed to depths of 13.5 and 10.5 feet below grade, respectively. The 4-inch-diameter wells were constructed and developed according to the Aegis SOP included in Appendix A. Boring logs and well construction details are included in Appendix E. No soil samples were collected for analysis because the wells were installed in excavation backfill. Native clays were found at a depth of 4 feet below grade. Groundwater was noted at a depth of 5.5 feet below grade in MW-9 and 11 feet below grade in MW-8.

The new wells will be sampled quarterly beginning in June 1992, along with the other wells on site.

5.0 DISCUSSION

Nearly every soil sample collected and analyzed during this investigation contained detectable concentrations of TOG, similar to results of previous investigation activities. The apparently random distribution of TOG concentrations in the excavation sidewalls implies there is no discernible source of the hydrocarbons in the subsurface. Because the site is in a filled industrial area, it is possible that the extensive heavy hydrocarbons (TOG) are a result of contaminated fill and/or a long history of surface and subsurface hydrocarbon releases from a variety of industrial activities.

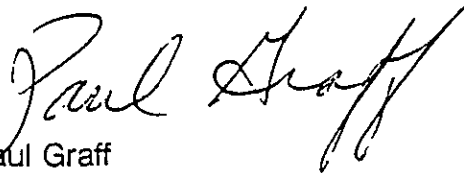
6.0 REMARKS/SIGNATURES


The interpretations and conclusions contained in this report reflect our professional opinions, and were developed in accordance with currently available information and accepted geologic, hydrogeologic, and engineering practices at this time and for this specific site. Other than this, no warranty is implied or intended.

This report has been prepared solely for the use of Federated Insurance Company. Any reliance on this report by third parties shall be at such parties' sole risk.

The work reported herein was conducted under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

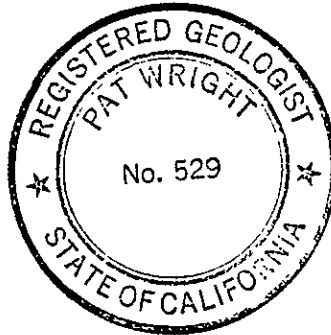
AEGIS ENVIRONMENTAL, INC.


Paul Graff
Senior Geologist


Pat Wright
Registered Geologist
CRG No. 529

7-1-92
Date

MK/PW/law



7.0 REFERENCES

Aegis Environmental, Inc., June 12, 1990, "Hydrogeological Investigation Results Report."

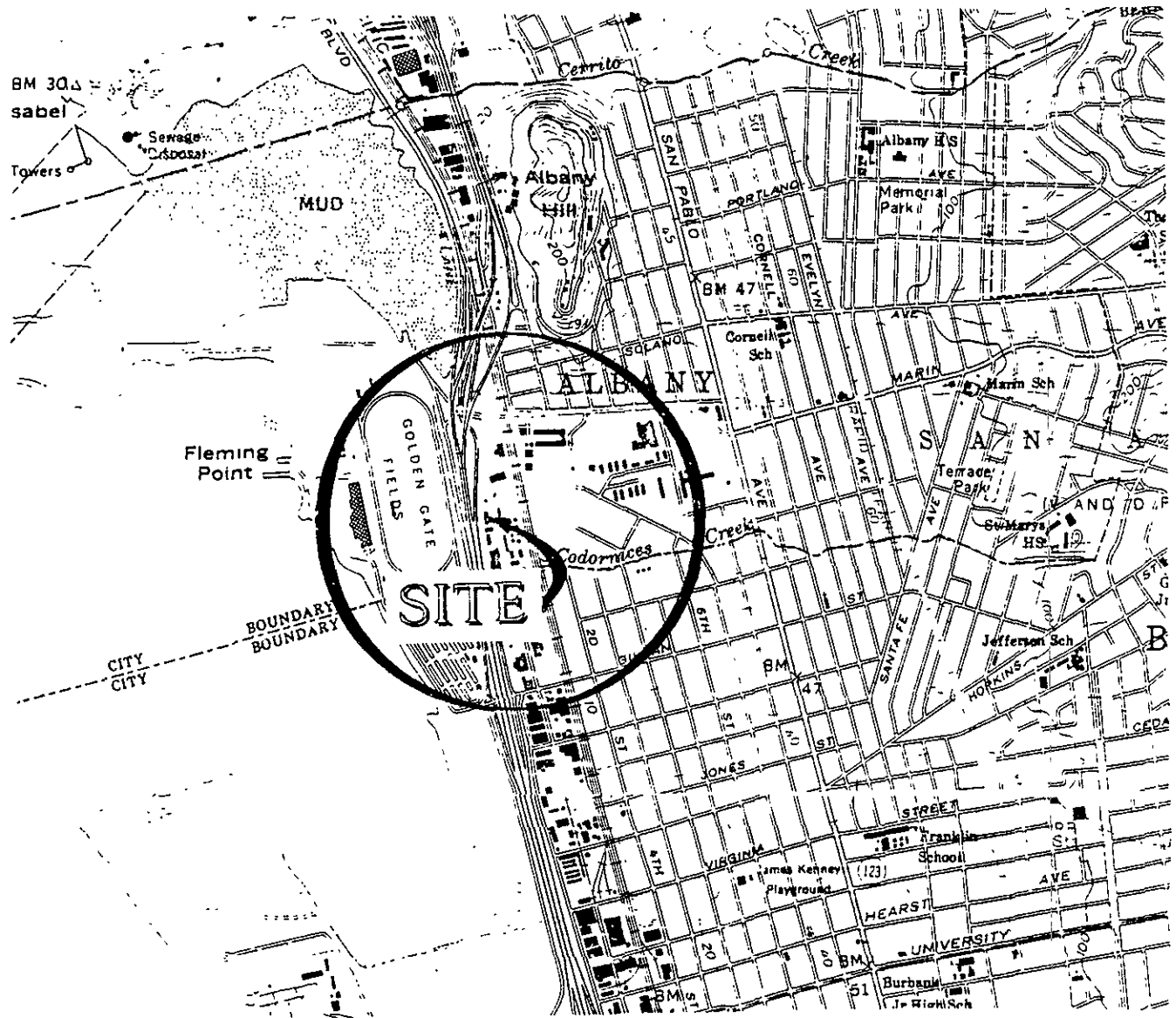
Aegis Environmental, Inc., August 1, 1991, "Problem Assessment Report."

Aegis Environmental, Inc., August 21, 1991, "Soil Remediation Work Plan."

Aegis Environmental, Inc., February 18, 1992, Letter "Revision to August 21, 1991: Soil Remediation Plan."

Hageman-Shank, Inc., November 16, 1989, "Proposal For Subsurface Investigation."

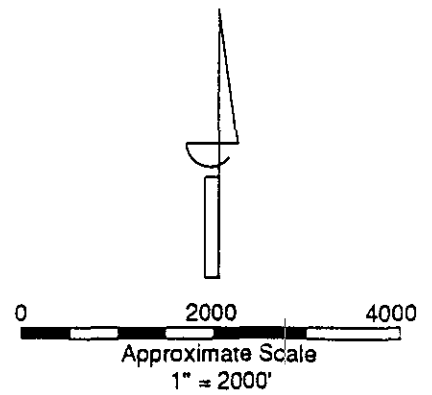
FIGURES




GENERAL NOTES:



BASE MAP FROM USGS
7.5 MINUTE TOPOGRAPHIC
RICHMOND & OAKLAND WEST, CALIF.








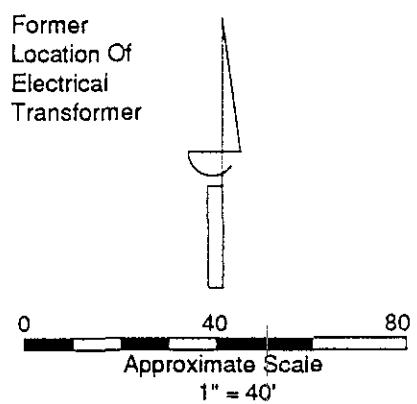
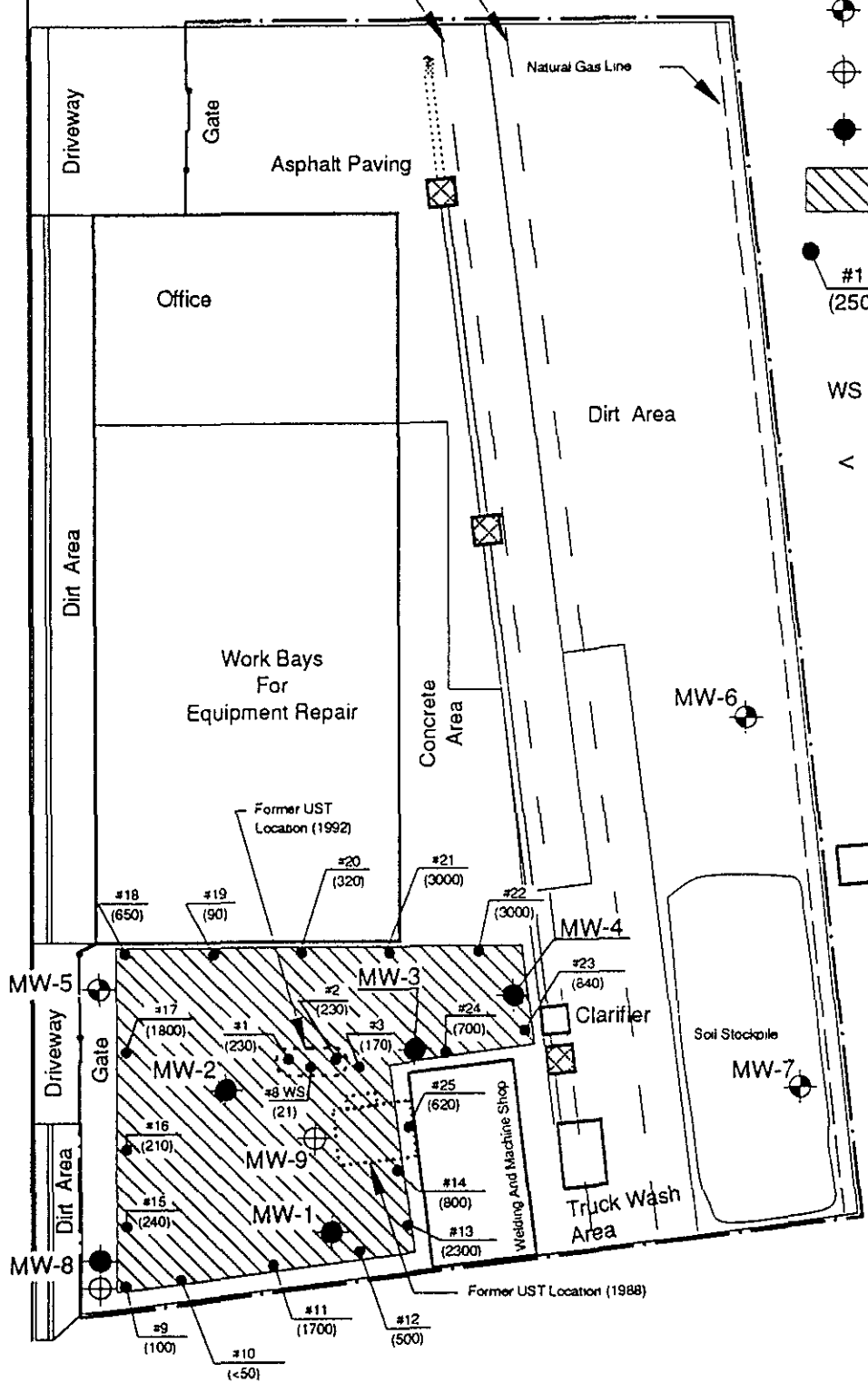
 AEGIS ENVIRONMENTAL, INC.		SITE LOCATION MAP		FIGURE 1	
DRAWN BY: Ed Berand	DATE: May 15, 1992	E.C. Buehrer Associates, Inc. 1061 Eastshore Highway Albany, CA		PROJECT NUMBER 10-90007	
REVISED BY:	DATE:				
REVIEWED BY:	DATE:				

EASTSHORE HIGHWAY (FIRST STREET)

Approximate Locations Of
'East Bay Municipal Utilities District'
Sanitary Sewer Pipes


LEGEND

-  Existing Monitoring Well
-  New Monitoring Wells
-  Abandoned Monitoring Well
-  Area of Excavation
-  Sample #
#1
(250)
Total Oil & Grease (ppm)
(All samples collected from
1' to 4' below ground)
- WS Water Sample
- < Less Than Indicated Detection
Limit



NOTE:
Site Sketch After
Site Survey By:
Tom O. Morrow, Inc.
May, 1990

All Locations Approximate

 AEGIS ENVIRONMENTAL, INC.		SITE MAP WITH EXCAVATION AND SOIL SAMPLE LOCATIONS		FIGURE 2	
DRAWN BY: Ed Bernard	DATE: May 15, 1992	E.C. Buehrer Associates, Inc. 1061 Eastshore Highway Albany, CA		PROJECT NUMBER: 10-90007	
REVISED BY: D. Hada	DATE: June 11, 1992				
REVIEWED BY:	DATE:				

TABLES

TABLE 1
ANALYTICAL RESULTS: SOIL AND GROUNDWATER SAMPLES FROM BENEATH UST
MAY 4, 1992
E.C. BUEHRER, INC.
1061 EASTSHORE HIGHWAY, ALBANY, CALIFORNIA
(All results in parts-per-million)

Sample ID	Sample Type and Depth (Feet Below Grade)	Total Petroleum Hydrocarbons			Aromatic Volatile Organics				EDC ¹	EDB ²
		Gasoline	Diesel	Oil & Grease	Benzene	Toluene	Ethyl-benzene	Total Xylenes		
#1	Soil from below west side of UST, 5 feet deep	<	<	230	<	<	<	<	<<0.5	<<0.5
#2	Soil from below east side of UST, 5 feet deep	<	<	230	<	<	<	<	<<0.5	<<0.5
#3	Soil from below fuel dispenser, 1 foot deep	<	<	170	<	<	<	<	<<0.5	<<0.5
#8	Groundwater from tank excavation	0.1	<	21	<	<	<	0.028	<<0.5	<<0.5

NOTES:

- < = Below Practical Quantitation Reporting Limits per "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites" (August 10, 1990). (PQL for BTEX = 0.005 ppm, TPH, as gasoline and diesel = 1.0 ppm).
- << = Below the indicated detection limit as labeled in the analytical laboratory results reports, Appendix B.
- = Not analyzed.
- NA = Not applicable.
- ¹ = 1,2-dichloroethane.
- ² = Ethylene dibromide.

Soil samples 4, 5, 6, and 7 were collected from the excavation but not analyzed.

TABLE 2

**ANALYTICAL RESULTS: EXCAVATION SOIL SAMPLES
APRIL 29 THROUGH MAY 7, 1992**

E.C. BUEHRER, INC.
1061 EASTSHORE HIGHWAY, ALBANY, CALIFORNIA
(All results in parts-per-million)

Sample ID	Sample Location	Oil & Grease
#9	3 feet deep, south wall	100
#10	3 feet deep, south wall	<50
#11	3 feet deep, south wall	1,700
#12	3 feet deep, south wall	500
#13	3 feet deep, east wall	2,300
#14	3 feet deep, east wall	800
#15	3 feet deep, west wall	240
#16	3 feet deep, west wall	210
#17	3 feet deep, west wall	1,800
#18	3 feet deep, north wall	650
#19	3 feet deep, north wall	90
#20	3 feet deep, north wall	320
#21	3 feet deep, north wall	3,000
#22	3 feet deep, north wall	3,000
#23	3 feet deep, northeast wall	840
#24	3 feet deep, southeast wall	700
#25	3 feet deep, southeast wall	620

NOTES: * = Analyzed after TCLP extraction.
 < = Less than indicated detection limit.

APPENDIX A
STANDARD OPERATING PROCEDURES

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURES
RE: SOIL EXCAVATION AND SAMPLING
SOP-2

Excavation and subsequent soil sampling is performed under the direction of a registered geologist or civil engineer. To reduce the potential for cross-contamination, all excavation equipment is either steam-cleaned or washed prior to use and between excavations. Soil samples for chemical analysis are collected in cleaned, thin-walled brass tubes of varying diameters and lengths (e.g., 6 inches long by 2 inches outside-diameter) or other appropriate cleaned sample container. If used, one tube may be set in a 2-inch inside-diameter hand-driven sampler. To reduce the potential for cross-contamination between samples, the sampler is washed in a solution and double-rinsed between each sampling event.

Upon recovery, a portion of the soil sample is sealed for later screening with either a portable photoionization detector, flame ionization detector, or an explosimeter. Another portion of the sample is used for description of the excavated materials. A third portion of the sample is hermetically sealed, labeled and refrigerated for delivery, under strict chain-of-custody, to the analytical laboratory. These procedures minimize the potential for cross-contamination and volatilization of volatile organic compounds prior to chemical analysis.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURES
RE: SOIL CLASSIFICATION
SOP-3

Soil samples are classified according to the Unified Soil Classification System. Representative portions of the samples may be shipped under strict chain-of-custody to an analytical laboratory for further examination and verification of the in-field classification, and analysis of soil mechanical and/or petrophysical properties. The soil types are indicated on logs of either excavations or borings together with depths corresponding to the sampling points, and other pertinent information.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURES
RE: SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES
SOP-4

Sample identification and chain-of-custody procedures ensure sample integrity, and document sample possession from the time of collection to its ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, sampling methodology, name(s) of on site personnel and any other pertinent field observations also recorded on the field excavation or boring log.

Chain-of-custody forms are used to record possession of the sample from time of collection to its arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample-control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s) and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURES
RE: LABORATORY ANALYTICAL QUALITY ASSURANCE AND CONTROL
SOP-5

In addition to routine instrument calibration, replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at methods specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

1. Participation in state and federal laboratory accreditation/certification programs;
2. Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;
3. Standard operating procedures describing routine and period instrument maintenance;
4. "Out-of-Control"/Corrective Action documentation procedures; and,
5. Multi-level review of raw data and client reports.

AEGIS ENVIRONMENTAL, INC.
STANDARD OPERATING PROCEDURE
RE: HOLLOW-STEM AUGER MONITORING WELL INSTALLATION AND
DEVELOPMENT
SOP-6

Boreholes for monitoring wells are drilled using a truck-mounted, hollow-stem auger drill rig. The borehole diameter will be a minimum of 4 inches larger than the outside-diameter of the casing when installing well screen. The hollow-stem auger provides minimal interruption of drilling while permitting soil sampling at desired intervals. Soil samples are collected by either hammering or hydraulically pushing a conventional split-barrel sampler containing pre-cleaned 2-inch-diameter brass tubes. A geologist or engineer from Aegis Environmental, Inc., continuously logs each borehole during drilling and constantly checks drill cuttings for indications of both the first occurrence of groundwater and volatile hydrocarbons using either a portable photoionization detector, flame ionization detector, or an explosimeter. The sampler is rinsed between samples and either steam-cleaned or washed with all other drilling equipment between borings to minimize the potential for cross-contamination.

Monitoring wells are cased with threaded, factory-perforated and blank Schedule 40 PVC. The perforated interval consists of slotted casing, generally with 0.020 inch wide by 1.5-inch long slots, with 42 slots per foot. A PVC cap may be secured to the bottom of the casing with stainless steel screws; no solvents or cements are used. Centering devices may be fastened to the casing to assure even distribution of filter material and grout within the borehole annulus. The well casing is thoroughly washed and/or steam-cleaned, or may be purchased as pre-cleaned, prior to installation.

After setting the casing inside the hollow-stem auger, sand or gravel filter material is poured into the annular space to fill from boring bottom to generally 1 foot above the perforated interval. A 1 to 2-foot thick bentonite plug is set above this filter material to prevent grout from infiltrating into the filter pack. Either neat cement, containing about 5 percent bentonite, or sand-cement grout is then tremmied into the annular space from the top of the bentonite plug to near surface. A traffic-rated vault is installed around each wellhead for wells located in parking lots or driveways, while steel "stovepipes" are usually set over wellheads in-landscaped areas.

After installation, the wells are thoroughly developed to remove residual drilling materials from the wellbore, and to improve well performance by removing fine material from the filter pack that may pass into the well. Well development techniques used may include pumping, surging, bailing, swabbing, jetting, flushing, and air-lifting. All development water is collected either in drums or tanks for temporary storage, and properly disposed of depending on laboratory analytical results. To minimize the potential for cross-contamination between wells, all development equipment are either steam-cleaned or properly washed prior to use.

APPENDIX B

**LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS:
SOIL CHARACTERIZATION SAMPLES**



MAY 29 1992

San Luis Obispo, CA • Goleta, CA • Benicia, CA • Camarillo, CA • Newport Beach, CA • Valparaiso, IN

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CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0228-1
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, CA
Analyzed : 05/05/92
Analyzed by: DP
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
Sample A (ED0228-1A) & Sample B (ED0228-1B)	Soil	Mike Kitko	04/29/92	04/29/92
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
TOTAL SEMIVOLATILE PETROLEUM HYDROCARBONS				1,2
Total Petroleum Hydrocarbons		200.	ND	

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 05/04/92 by TJD using EPA 3510
(2) Sample was extracted on 4/30/92 by JDS using EPA 1311 (TCLP).

05/07/92
MSD5/DELSA
MH/lap/dsp
IE04M510

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.
Mary Havlicek
Mary Havlicek, Ph.D.
President



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Roseville, CA 95678

Lab Number : ED-0228-2
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, CA
Analyzed : 05/05/92
Analyzed by: DP
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample C (ED0228-2A) & Sample D (ED0228-2B)	Soil	Mike Kitko	04/29/92	04/29/92
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
TOTAL SEMIVOLATILE PETROLEUM HYDROCARBONS				1,2
Total Petroleum Hydrocarbons		200.	ND	

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 05/04/92 by LAP using EPA 3510
(2) Sample was extracted on 4/30/92 by JDS using EPA 1311 (TCLP).

05/07/92
MSD5/DE16A
MH/lap/dsp
IE04M510

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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Lab Number : ED-0228-1
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample A (ED0228-1A) & Sample B (ED0228-1B)	Soil	Mike Kitko	04/29/92	04/29/92

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Soluble	0.05	0.09	mg/L	EPA 7041	05/11/92	RJ	1
Arsenic, Soluble	0.05	0.23	mg/L	EPA 7060	05/11/92	RJ	1
CAL WET extraction with citrate				CAC T22	05/07/92	JB	2
Lead, Soluble	0.02	3.2	mg/L	EPA 7420	05/11/92	AS	1
Mercury, Soluble	0.001	ND	mg/L	EPA 7470	05/11/92	AS	3
Molybdenum, Soluble	0.1	ND	mg/L	EPA 7480	05/11/92	AS	1
Selenium, Soluble	0.05	ND	mg/L	EPA 7740	05/11/92	RJ	1
Silver, Soluble	0.005	0.048	mg/L	EPA 7760	05/11/92	AS	4
TCLP extraction procedure				EPA 1311	04/30/92	JS	
Thallium, Soluble	0.05	ND	mg/L	EPA 7840	05/11/92	AS	1

Lab Certifications: CAELAP#1598, UTELAP#E-142, AZLA#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 05/09/92 by JPB using EPA 3020
- (2) Sample Preparation on 05/07/92 by JPB
- (3) Sample Preparation on 05/11/92 by JPB
- (4) Sample Preparation on 05/09/92 by JPB using EPA 3010

05/27/92

MH/rwj/bac/jpb

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek

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REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED		
Sample A (ED0228-1A) & Sample B (ED0228-1B)	Soil	Mike Kitko		04/29/92	04/29/92	
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY NOTES
CAM METALS BY ICP						1
Barium, Soluble	0.01	6.6	mg/L	EPA 6010	05/11/92	RJ
Beryllium, Soluble	0.01	0.02	mg/L	EPA 6010	05/11/92	RJ
Cadmium, Soluble	0.05	ND	mg/L	EPA 6010	05/11/92	RJ
Chromium, Soluble	0.05	0.61	mg/L	EPA 6010	05/11/92	RJ
Cobalt, Soluble	0.05	0.38	mg/L	EPA 6010	05/11/92	RJ
Copper, Soluble	0.05	0.37	mg/L	EPA 6010	05/11/92	RJ
Nickel, Soluble	0.05	0.97	mg/L	EPA 6010	05/11/92	RJ
Vanadium, Soluble	0.02	0.92	mg/L	EPA 6010	05/11/92	RJ
Zinc, Soluble	0.05	3.7	mg/L	EPA 6010	05/11/92	RJ

Lab Certifications: CAELAP#1598, UTELAP#E-142, 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 05/09/92 by JPB using EPA 3020

05/27/92

MH/rwj/bac/jpb

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

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METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED			
METHOD BLANK	Solid						
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTE
Silver, Soluble	0.005	0.071	mg/L	EPA 7760	05/11/92	AS	1

Lab Certifications: CAELAP#1598, UTELAP#E-142, AZLA#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 05/09/92 by JPB using EPA 3010

05/27/92

MH
E00228-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

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QC MATRIX SPIKE
 REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE		RECEIVED	
MATRIX SPIKE	Solid						
CONSTITUENT	ORIGINAL	SPIKE	RESULT	REC UNITS	METHOD	ANALYZED	BY NOTE
Antimony, Soluble	0.09	0.20	0.32	115. mg/L	EPA 7041	05/11/92	RJ 1
Arsenic, Soluble	0.23	0.20	0.21	-10. mg/L	EPA 7060	05/11/92	RJ 1
Lead, Soluble	3.2	4.0	6.7	88. mg/L	EPA 7420	05/11/92	AS 1
Molybdenum, Soluble	ND	10.	11.	110. mg/L	EPA 7480	05/11/92	AS 1
Selenium, Soluble	ND	0.20	0.19	95. mg/L	EPA 7740	05/11/92	RJ 1
Silver, Soluble	0.048	0.50	0.52	94. mg/L	EPA 7760	05/11/92	AS 2
Thallium, Soluble	ND	1.0	1.0	100. mg/L	EPA 7840	05/11/92	AS 1
CAM METALS BY ICP							1
Barium, Soluble	6.6	10.	14.	74. mg/L	EPA 6010	05/11/92	RJ
Beryllium, Soluble	0.02	1.0	1.0	98. mg/L	EPA 6010	05/11/92	RJ
Cadmium, Soluble	ND	1.0	0.89	89. mg/L	EPA 6010	05/11/92	RJ
Chromium, Soluble	0.61	1.0	1.5	89. mg/L	EPA 6010	05/11/92	RJ
Cobalt, Soluble	0.38	1.0	1.3	92. mg/L	EPA 6010	05/11/92	RJ
Copper, Soluble	0.37	1.0	1.3	93. mg/L	EPA 6010	05/11/92	RJ
Nickel, Soluble	0.97	1.0	2.0	103. mg/L	EPA 6010	05/11/92	RJ
Vanadium, Soluble	0.92	1.0	1.9	98. mg/L	EPA 6010	05/11/92	RJ
Zinc, Soluble	3.7	1.0	5.1	140. mg/L	EPA 6010	05/11/92	RJ

Lab Certifications: CAELAP#1598, UTELAP#E-142, AZILA#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 05/09/92 by JPB using EPA 3020
- (2) Sample Preparation on 05/09/92 by JPB using EPA 3010

05/27/92

MH/rwj/bac/jpb
 BD0228-1

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

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QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED		
MATRIX SPIKE DUPLICATE	Solid					
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%DIFF	UNITS METHOD ANALYZED	BY NOTE
Antimony, Soluble	0.09	0.20	0.31	4.4	mg/L EPA 7041	05/11/92 RJ 1
Arsenic, Soluble	0.23	0.20	0.19	-67.	mg/L EPA 7060	05/11/92 RJ 1
Lead, Soluble	3.2	4.0	6.6	2.9	mg/L EPA 7420	05/11/92 AS 1
Molybdenum, Soluble	ND	10.	12.	8.7	mg/L EPA 7480	05/11/92 AS 1
Selenium, Soluble	ND	0.20	0.20	5.1	mg/L EPA 7740	05/11/92 RJ 1
Silver, Soluble	0.048	0.50	0.52	0.	mg/L EPA 7760	05/11/92 AS 2
Thallium, Soluble	ND	1.0	1.1	9.5	mg/L EPA 7840	05/11/92 AS 1
CAM METALS BY ICP						1
Barium, Soluble	6.6	10.	13.	14.	mg/L EPA 6010	05/11/92 RJ
Beryllium, Soluble	0.02	1.0	0.95	5.2	mg/L EPA 6010	05/11/92 RJ
Cadmium, Soluble	ND	1.0	0.88	1.1	mg/L EPA 6010	05/11/92 RJ
Chromium, Soluble	0.61	1.0	1.5	0.	mg/L EPA 6010	05/11/92 RJ
Cobalt, Soluble	0.38	1.0	1.3	0.	mg/L EPA 6010	05/11/92 RJ
Copper, Soluble	0.37	1.0	1.3	0.	mg/L EPA 6010	05/11/92 RJ
Nickel, Soluble	0.97	1.0	1.9	10.	mg/L EPA 6010	05/11/92 RJ
Vanadium, Soluble	0.92	1.0	1.8	11.	mg/L EPA 6010	05/11/92 RJ
Zinc, Soluble	3.7	1.0	5.0	7.4	mg/L EPA 6010	05/11/92 RJ

Lab Certifications: CAELAP#1598, UTELAP#E-142, 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 05/09/92 by JPB using EPA 3020
 (2) Sample Preparation on 05/09/92 by JPB using EPA 3010

05/27/92
 MH/rwj/bac/jpb
 ED0228-1

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

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Roseville, CA 95678
Lab Number : ED-0228-2
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, CA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample C (ED0228-2A) & Sample D (ED0228-2B)	Soil	Mike Kitko	04/29/92	04/29/92

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Soluble	0.05	0.10	mg/L	EPA 7041	05/11/92	RJ	1
Arsenic, Soluble	0.05	0.25	mg/L	EPA 7060	05/11/92	RJ	1
CAL WET extraction with citrate				CAC T22	05/07/92	JB	2
Lead, Soluble	0.02	3.4	mg/L	EPA 7420	05/11/92	AS	1
Mercury, Soluble	0.001	ND	mg/L	EPA 7470	05/11/92	AS	3
Molybdenum, Soluble	0.1	0.12	mg/L	EPA 7480	05/11/92	AS	1
Selenium, Soluble	0.05	ND	mg/L	EPA 7740	05/11/92	RJ	1
Silver, Soluble	0.005	0.047	mg/L	EPA 7760	05/11/92	AS	4
TCLP extraction procedure				EPA 1311	04/30/92	JS	
Thallium, Soluble	0.05	ND	mg/L	EPA 7840	05/11/92	AS	1

Lab Certifications: CAELAP#1598, UTELAP#E-142, 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 05/09/92 by JPB using EPA 3020
(2) Sample Preparation on 05/07/92 by JPB
(3) Sample Preparation on 05/11/92 by JPB
(4) Sample Preparation on 05/09/92 by JPB using EPA 3010

05/27/92

MH/rwj/bac

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

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President



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Lab Number : ED-0228-2
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, CA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
Sample C (ED0228-2A) & Sample D (ED0228-2B)	Soil	Mike Kitko	04/29/92	04/29/92

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
CAM METALS BY ICP							
Barium, Soluble	0.01	8.8	mg/L	EPA 6010	05/11/92	RJ	1
Beryllium, Soluble	0.01	0.03	mg/L	EPA 6010	05/11/92	RJ	
Cadmium, Soluble	0.05	ND	mg/L	EPA 6010	05/11/92	RJ	
Chromium, Soluble	0.05	0.60	mg/L	EPA 6010	05/11/92	RJ	
Cobalt, Soluble	0.05	0.82	mg/L	EPA 6010	05/11/92	RJ	
Copper, Soluble	0.05	0.77	mg/L	EPA 6010	05/11/92	RJ	
Nickel, Soluble	0.05	1.7	mg/L	EPA 6010	05/11/92	RJ	
Vanadium, Soluble	0.02	1.3	mg/L	EPA 6010	05/11/92	RJ	
Zinc, Soluble	0.05	5.0	mg/L	EPA 6010	05/11/92	RJ	

Lab Certifications: CAELAP#1598, UTELAP#E-142, 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 05/09/92 by JPB using EPA 3020

05/27/92

MH/rwj/bac

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President



San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
MATRIX SPIKE	Solid				
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%REC UNITS	METHOD ANALYZED BY NOTE
Mercury, Soluble	ND	0.050	0.054	108. mg/L	EPA 7470 05/11/92 AS 1

Lab Certifications: CAELAP#1598, UTELAP#E-142, 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 05/11/92 by JPB

05/27/92

MH
ED0228-2

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President



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San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

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CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED				
MATRIX SPIKE DUPLICATE	Solid							
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%DIFF	UNITS METHOD	ANALYZED	BY	NOTE
Mercury, Soluble	ND	0.050	0.054	0.	mg/L EPA 7470	05/11/92	AS	1

Lab Certifications: CAELAP#1598, UTELAP#E-142, 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 05/11/92 by JPB

05/27/92

MH
ED0228-2

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

Phone (916) 782 2110
 FAX (916) 786-7830

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

Send results to:
 Aegis Environmental
 1050 Melody Lane, Suite 160
 Roseville, CA 95678

BDO228

Site Address: 1281 Eastshore Ave, Alameda, CA
 AEGIS Project #: 90-007 (E.C. Fishery)
 Shipped By: M. K. ...
 Shipped To: _____
 Project Manager D. G. ...

For Shell Projects Only
 WIC: _____
 AFE: _____
 CT/DL: _____
 Shell Engineer: _____
 Hazardous Materials Suspected? (yes/no)

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
↓	↓	Sample A	2/1/2002	Soil	1	ATL 10/17/26
		Sample B	2/1/2002	Soil	1	ATL 10/17/26
		Sample C	2/1/2002	Soil	1	ATL 10/17/26
		Sample D	2/1/2002	Soil	1	ATL 10/17/26

Sampler(s) (signature) Michael ...

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments

Sealed for shipment by: (signature) Michael ... Date/Time: 2/1/2002 Shipment Method: _____

Received for Lab by: (signature) _____ Date/Time: _____ Comments: _____

Receiving Laboratory: Please return original form after signing for receipt of samples.

White/Original Yellow/Lab Copy Pink/File Copy

**COAST-TO-COAST
ANALYTICAL
SERVICES**

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
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San Luis Obispo Division
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(805) 543-2553
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CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0228-2
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample C (ED0228-2A) & Sample D (ED0228-2B)	Soil	Mike Kitko	04/29/92	04/29/92

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
CAM METALS BY ICP							1
Barium, Soluble	0.01	8.8	mg/L	EPA 6010	05/11/92	RJ	
Beryllium, Soluble	0.01	0.03	mg/L	EPA 6010	05/11/92	RJ	
Cadmium, Soluble	0.05	ND	mg/L	EPA 6010	05/11/92	RJ	
Chromium, Soluble	0.05	0.60	mg/L	EPA 6010	05/11/92	RJ	
Cobalt, Soluble	0.05	0.82	mg/L	EPA 6010	05/11/92	RJ	
Copper, Soluble	0.05	0.77	mg/L	EPA 6010	05/11/92	RJ	
Nickel, Soluble	0.05	1.7	mg/L	EPA 6010	05/11/92	RJ	
Vanadium, Soluble	0.02	1.3	mg/L	EPA 6010	05/11/92	RJ	
Zinc, Soluble	0.05	5.0	mg/L	EPA 6010	05/11/92	RJ	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

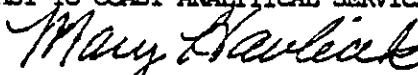
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 05/09/92 by JPB using EPA 3020

05/13/92

MH/lwj/bac

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.



Mary Havlicek, Ph.D.
President



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CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : HD-0228-2
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, CA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample C (HD0228-2A) & Sample D (HD0228-2B)	Soil	Mike Kitko	04/29/92	04/29/92

CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Soluble	0.05	0.10	mg/L	EPA 7041	05/11/92	RJ	1
Arsenic, Soluble	0.05	0.25	mg/L	EPA 7060	05/11/92	RJ	1
CAL WET extraction with citrate				CAC T22	05/07/92	JB	2
Lead, Soluble	0.02	3.4	mg/L	EPA 7420	05/11/92	AS	1
Mercury, Soluble	0.001	ND	mg/L	EPA 7470	05/11/92	AS	3
Molybdenum, Soluble	0.1	0.12	mg/L	EPA 7480	05/11/92	AS	1
Selenium, Soluble	0.05	ND	mg/L	EPA 7740	05/11/92	RJ	1
Silver, Soluble	0.005	0.047	mg/L	EPA 7760	05/11/92	AS	4
TCLP extraction procedure				EPA 1311	04/30/92	JS	
Thallium, Soluble	0.05	ND	mg/L	EPA 7840	05/11/92	AS	1

Lab Certifications: CAELAP#1598, UTELAP#E-142, 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 05/09/92 by JPB using EPA 3020
- (2) Sample Preparation on 05/07/92 by JPB
- (3) Sample Preparation on 05/11/92 by JPB
- (4) Sample Preparation on 05/09/92 by JPB using EPA 3010

05/13/92

MH/rwj/bac

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

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CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0228-1
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED			
Sample A (ED0228-1A) & Sample B (ED0228-1B)	Soil	Mike Kitko	04/29/92	04/29/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
CAM METALS BY ICP							1
Barium, Soluble	0.01	6.6	mg/L	EPA 6010	05/11/92	RJ	
Beryllium, Soluble	0.01	0.02	mg/L	EPA 6010	05/11/92	RJ	
Cadmium, Soluble	0.05	ND	mg/L	EPA 6010	05/11/92	RJ	
Chromium, Soluble	0.05	0.61	mg/L	EPA 6010	05/11/92	RJ	
Cobalt, Soluble	0.05	0.38	mg/L	EPA 6010	05/11/92	RJ	
Copper, Soluble	0.05	0.37	mg/L	EPA 6010	05/11/92	RJ	
Nickel, Soluble	0.05	0.97	mg/L	EPA 6010	05/11/92	RJ	
Vanadium, Soluble	0.02	0.92	mg/L	EPA 6010	05/11/92	RJ	
Zinc, Soluble	0.05	3.7	mg/L	EPA 6010	05/11/92	RJ	

Lab Certifications: CAELAP#1598, UTELAP#E-142, 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 05/09/92 by JPB using EPA 3020

05/13/92

MH/rwj/bac/jpb

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

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CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0228-1
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, C

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE		RECEIVED	
Sample A (ED0228-1A) & Sample B (ED0228-1B)	Soil	Mike Kitko		04/29/92		04/29/92	
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Antimony, Soluble	0.05	0.09	mg/L	EPA 7041	05/11/92	RJ	1
Arsenic, Soluble	0.05	0.23	mg/L	EPA 7060	05/11/92	RJ	1
CAL WET extraction with citrate				CAC T22	05/07/92	JB	2
Lead, Soluble	0.02	3.2	mg/L	EPA 7420	05/11/92	AS	1
Mercury, Soluble	0.001	ND	mg/L	EPA 7470	05/11/92	AS	3
Molybdenum, Soluble	0.1	ND	mg/L	EPA 7480	05/11/92	AS	1
Selenium, Soluble	0.05	ND	mg/L	EPA 7740	05/11/92	RJ	1
Silver, Soluble	0.005	0.048	mg/L	EPA 7760	05/11/92	AS	4
TCLP extraction procedure				EPA 1311	04/30/92	JS	
Thallium, Soluble	0.05	ND	mg/L	EPA 7840	05/11/92	AS	1

Lab Certifications: CAELAP#1598, UTELAP#E-142, 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 05/09/92 by JPB using EPA 3020
- (2) Sample Preparation on 05/07/92 by JPB
- (3) Sample Preparation on 05/11/92 by JPB
- (4) Sample Preparation on 05/09/92 by JPB using EPA 3010

05/13/92

MH/rwj/bac/jpb

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

APPENDIX C

**LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS
UST EXCAVATION SAMPLES**

Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0247-1
Project : 90-007 1061 Eastshore
Hwy, Albany, CA
Analyzed : 05/07/92
Analyzed by: AZ
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample #8 Underground Storage Tank - Excavaton Area	Aqueous	Mike Kitko	05/05/92	05/06/92

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				
Benzene	(71432)	0.5	ND	1,2,3
Toluene	(108883)	0.5	ND	
Ethylbenzene	(100411)	0.5	ND	
Xylenes		0.5	28.	
1,2-Dichloroethane (EDC)	(107062)	0.5	ND	
Ethylene Dibromide (EDB)	(106934)	0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	100.	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
BTX as a percent of fuel			28.	
1,2-Dichloroethane-d4 (Surrogate)			37.4	
Toluene-d8 (Surrogate)			36.8	
p-Bromofluorobenzene (Surrogate)			36.3	

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) ANALYZED by CAL DHS DRAFT TPH (modified) and EPA 8260 (GC/MS)
- (2) EXTRACTED by EPA 5030 (purge-and-trap)
- (3) Surrogates were spiked at 40.0ug/L

05/13/92
INCO5 50-387
MH/trk/htc
BDE0711

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0247-1
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE		RECEIVED
Sample #8 Underground Storage Tank - Excavaton Area	Aqueous	Mike Kitko		05/05/92		05/06/92
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY NOTES
Cadmium, Total	0.005	0.010	mg/L	EPA 7130	05/14/92	JG 1
Chromium, Total	0.005	0.005	mg/L	EPA 7191	05/14/92	MM 1
Lead, Total	0.005	0.023	mg/L	EPA 7421	05/13/92	MM 1
Nickel, Total	0.005	0.053	mg/L	EPA 7521	05/13/92	MM 1
Zinc, Total	0.050	ND	mg/L	EPA 7950	05/11/92	MM 1

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 05/06/92 by JBG using EPA 3020

05/19/92
PE 360
MH/mje/htc
BDE06M1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Hawlicek
Mary Hawlicek, Ph.D.
President

**COAST-TO-
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San Luis Obispo Division
 141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
 FAX (805) 543-2685

CLIENT: Paul Graff
 AEGIS Environmental Consultants, Inc
 1050 Melody Ln. Ste.160
 Roseville, CA 95678

Lab Number : BD-0247-1
 Project : 90-007 1061 Eastshore
 Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
Sample #8 Underground Storage Tank - Excavaton Area	Aqueous	Mike Kitko	05/05/92	05/06/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	3.	21.	mg/L	EPA 413.1	05/12/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/trw
 IE12HO

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek

Mary Havlicek, Ph.D.
 President

Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

QC Batch ID: BDE0711

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 05/07/92
Analyzed by: AZ
Method : As Listed

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
METHOD BLANK	Aqueous			
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
FUEL FINGERPRINT ANALYSIS				1,2,3
Benzene	(71432)	0.5	ND	
Toluene	(108883)	0.5	ND	
Ethylbenzene	(100411)	0.5	ND	
Xylenes		0.5	ND	
1,2-Dichloroethane (EDC)	(107062)	0.5	ND	
Ethylene Dibromide (EDB)	(106934)	0.5	ND	
Total Petroleum Hydrocarbons (Gasoline)		50.	ND	
Total Petroleum Hydrocarbons (Diesel 2)		50.	ND	
BTX as a percent of fuel			Not Appl.	
1,2-Dichloroethane-d4 (Surrogate)			37.4	
Toluene-d8 (Surrogate)			38.0	
p-Bromofluorobenzene (Surrogate)			35.8	

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) ANALYZED by CAL DHS DRAFT TPH (modified) and EPA 8260 (GC/MS)
- (2) EXTRACTED by EPA 5030 (purge-and-trap)
- (3) Surrogates were spiked at 40.0ug/L

05/13/92
INCS 50-387
MH/trk/htc
BD0247-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek

Mary Havlicek, Ph.D.
President

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Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

QC Batch ID: BDE07I1

RECEIVED

MAY 27 1992

Ans'd. *PKG*
90007

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 05/07/92
Analyzed by: AZ
Method : As Listed

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED		
QC SPIKE DUPLICATE	Aqueous					
CONSTITUENT	*PQL µg/L	SPIKE AMOUNT	RESULT µg/L	%REC	%DIFF	NOTE
FUEL FINGERPRINT ANALYSIS						1,2
Benzene	0.5	180.	160.	89.	6.1	
Toluene	0.5	720.	660.	92.	4.4	
Ethylbenzene	0.5	160.	140.	88.	0.	
Xylenes	0.5	780.	720.	92.	9.3	
1,2-Dichloroethane (EDC)	0.5		NS			
Ethylene Dibromide (EDB)	0.5		NS			
Total Petroleum Hydrocarbons (Gasoline)	50.	7100.	6000.	85.	6.5	
Total Petroleum Hydrocarbons (Diesel 2)	50.		NS			
BTEX as a percent of fuel		24.	26.			
1,2-Dichloroethane-d4 (Surrogate)		40.0	39.3	98.	2.8	
Toluene-d8 (Surrogate)		40.0	39.6	99.	5.2	
p-Bromofluorobenzene (Surrogate)		40.0	38.7	97.	5.3	

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

- * RESULTS listed as 'NS' were not spiked. PQL = Practical Quantitation Limit
- (1) ANALYZED by CAL DHS DRAFT TPH (modified) and EPA 8260 (GC/MS)
- (2) EXTRACTED by EPA 5030 (purge-and-trap)

05/11/92
INCOS 50-387
MH/trk/htc
ED0247-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Hawlicek
Mary Hawlicek, Ph.D.
President



Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

QC Batch ID: BDE0711

CLIENT: Coast-to-Coast Analytical Services, Inc.

Analyzed : 05/07/92
Analyzed by: AZ
Method : As Listed

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
FUEL FINGERPRINT ANALYSIS					
Benzene		0.5	180.	170.	94.
Toluene		0.5	720.	690.	96.
Ethylbenzene		0.5	160.	140.	88.
Xylenes		0.5	780.	790.	101.
1,2-Dichloroethane (EDC)		0.5		NS	
Ethylene Dibromide (EDB)		0.5		NS	
Total Petroleum Hydrocarbons (Gasoline)		50.	7100.	6400.	90.
Total Petroleum Hydrocarbons (Diesel 2)		50.		NS	
BTX as a percent of fuel			24.	26.	
1,2-Dichloroethane-d4 (Surrogate)			40.0	38.2	96.
Toluene-d8 (Surrogate)			40.0	41.7	104.
p-Bromofluorobenzene (Surrogate)			40.0	36.7	92.

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

- * RESULTS listed as 'NS' were not spiked. PQL = Practical Quantitation Limit
- (1) ANALYZED by CAL DHS DRAFT TPH (modified) and EPA 8260 (GC/MS)
- (2) EXTRACTED by EPA 5030 (rurge-and-trap)

05/11/92
INCOS 50-387
MH/trk/htc
BD0247-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President



Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

QC Batch ID: BDE06M1

CLIENT: Coast-to-Coast Analytical Services, Inc.

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE		RECEIVED
METHOD BLANK	Aqueous					
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY NOTE
Cadmium, Total	0.005	ND	mg/L	EPA 7130	05/14/92	JG 1
Chromium, Total	0.005	ND	mg/L	EPA 7191	05/14/92	MM 1
Lead, Total	0.005	ND	mg/L	EPA 7421	05/13/92	MM 1
Nickel, Total	0.005	ND	mg/L	EPA 7521	05/13/92	MM 1
Zinc, Total	0.050	ND	mg/L	EPA 7950	05/11/92	MM 1

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

(1) Sample Preparation on 05/06/92 by JBG using EPA 3020

05/19/92
PE 360
MH/mje/htc
BD0247-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.
Mary Havlicek
Mary Havlicek, Ph.D.
President



San Luis Obispo, CA • Goleta, CA • Benicia, CA • Camarillo, CA • Newport Beach, CA • Valparaiso, IN

Benicia Division
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QC Batch ID: BDE06M1

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE		RECEIVED			
MATRIX SPIKE	Aqueous								
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%REC	UNITS	METHOD	ANALYZED	BY	NOTE
Cadmium, Total	0.010	0.020	0.030	100.	mg/L	EPA 7130	05/14/92	JG	1
Chromium, Total	0.005	0.10	0.093	88.	mg/L	EPA 7191	05/14/92	MM	1
Lead, Total	0.023	0.10	0.14	117.	mg/L	EPA 7421	05/13/92	MM	1
Nickel, Total	0.053	0.50	0.46	81.	mg/L	EPA 7521	05/13/92	MM	1
Zinc, Total	ND	1.0	0.97	97.	mg/L	EPA 7950	05/11/92	MM	1

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 05/06/92 by JBG using EPA 3020

05/19/92
PE 360
MH/mje/htc
BDO247-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.
Mary Hawlicek
Mary Hawlicek, Ph.D.
President



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(707) 747-2757
FAX (707) 747-2765

QC Batch ID: BDE06M1

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC MATRIX SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE		RECEIVED			
MATRIX SPIKE DUPLICATE	Aqueous								
CONSTITUENT	ORIGINAL	SPIKE	RESULT	%DIFF	UNITS	METHOD	ANALYZED	BY	NOTE
Cadmium, Total	0.010	0.020	0.029	5.1	mg/L	EPA 7130	05/14/92	JG	1
Chromium, Total	0.005	0.10	0.097	4.4	mg/L	EPA 7191	05/14/92	MM	1
Lead, Total	0.023	0.10	0.15	8.2	mg/L	EPA 7421	05/13/92	MM	1
Nickel, Total	0.053	0.50	0.43	7.7	mg/L	EPA 7521	05/13/92	MM	1
Zinc, Total	ND	1.0	0.99	2.	mg/L	EPA 7950	05/11/92	MM	1

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
(1) Sample Preparation on 05/06/92 by JBG using EPA 3020

05/19/92
PE 360
MH/mje/htc
ED0247-1

Respectfully submitted,
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Mary Havlicek, Ph.D.
President



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QC Batch ID: BDE06M1

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED			
QC SPIKE	Aqueous						
CONSTITUENT	*PQL	SPIKE	RESULT	%REC	UNITS METHOD	ANALYZED	BY NOTE
Cadmium, Total	0.005	0.020	0.021	105.	mg/L EPA 7130	05/14/92	JG 1,2
Chromium, Total	0.005	0.10	0.11	110.	mg/L EPA 7191	05/14/92	MM 1
Lead, Total	0.005	0.10	0.12	120.	mg/L EPA 7421	05/13/92	MM 1
Nickel, Total	0.005	0.50	0.41	82.	mg/L EPA 7521	05/13/92	MM 1
Zinc, Total	0.050	1.0	1.0	100.	mg/L EPA 7950	05/11/92	MM 1

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 05/06/92 by JBG using EPA 3020
- (2) Spike was in analyte-free water.

05/19/92
PE 360
MH/mje/htc
BD0247-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Hawlicek
Mary Hawlicek, Ph.D.
President



San Luis Obispo, CA • Goleta, CA • Benicia, CA • Camarillo, CA • Newport Beach, CA • Valparaiso, IN

San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

QC Batch ID: IE12HO

CLIENT: Coast-to-Coast Analytical Services, Inc.

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED	
METHOD BLANK	Aqueous				
CONSTITUENT	*PQL	RESULT	UNITS	METHOD ANALYZED	BY NOTE
Oil & Grease	3.	ND	mg/L	EPA 413.1 05/12/92	TW

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
BDO247-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

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 141 Suburban Road, San Luis Obispo, California 93401

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 FAX (805) 543-2685

QC Batch ID: IE12HO

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC SPIKE
 REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE	RECEIVED
QC SPIKE	Aqueous				
CONSTITUENT	*PQL	SPIKE	RESULT	%REC UNITS METHOD	ANALYZED BY NOTE
Oil & Grease	3.	23.	17.	74. mg/L EPA 413.1	05/12/92 TW

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
 ED0247-1

Respectfully submitted,
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QC Batch ID: IE12HO

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED					
QC SPIKE DUPLICATE	Aqueous								
CONSTITUENT	*PQL	SPIKE	RESULT	%DIFF	UNITS	METHOD	ANALYZED	BY	NOTE
Oil & Grease	3.	23.	16.		6.1 mg/L	EPA 413.1	05/12/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
ED0247-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

Phone (916) 782 2110
 FAX (916) 786-7830

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

Send results to:
 Aegls Environmental
 1050 Melody Lane, Suite 160
 Roseville, CA 95678

370246 62247

Site Address: 1061 Eastshore Hwy, Albany, CA
 AEGIS Project #: 90-007
 Shipped By: M. Kitko
 Shipped To: Coast to Coast Analytical Services
 Project Manager P. Graftl

For Shell Projects Only
 WIC: _____
 AFE: _____
 CT/DL: _____
 Shell Engineer: _____
 Hazardous Materials Suspected? (yes/no)

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
5 feet bgs (bottom)	underground Storage Tank Excavation Area	Sample # 8	May 5, 1992	liter/Water	1	Fuel Finger print 870 * TOTAL oil and Grease
3 feet bgs (side)	south wall of excavation	# 9	↓	↓	↓	↓
		# 10				
		# 11				
		# 12				
	east wall of excavation	# 13				
		# 14				

Sampler(s) (signature) Michael Kitko

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments
	<u>Michael Kitko</u>	<u>[Signature]</u>	5/5/92 16:35	
	<u>[Signature]</u> 5/5/92			
	<u>[Signature]</u> 5/5/92			

Sealed for shipment by: (signature) Michael Kitko Date/Time: _____ Shipment Method: Courier

Received for Lab by: (signature) _____ Date/Time: _____ Comments: Sample #8 - 5 day turn around

Samples # 9, 10, 11, 12, 13 and 14 test for Total Oil and Grease with a 48 hour turn around.
* Also analyze water for total Cd, Cr, Pb, Ni, Zn ** EE MANAGER POURED OFF OF 1.0 BY

Receiving Laboratory: Please return original form after signing for receipt of samples. NO 5/5/92 KITKO AS REQD BY MKE KITKO

White/Original Yellow/Lab Copy Pink/File Copy

APPENDIX D

**LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORM:
SOIL EXCAVATION SAMPLES**



San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0246-1
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
Sample #9 Southwall of Excavation	Soil	Mike Kitko		05/05/92	05/06/92
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED BY NOTES
Oil & Grease	50.	100	mg/Kg	EPA 9071	05/07/92 TW

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

RECEIVED
MAY 13 1992
Ans'd. *CE/PLG*

05/08/92

MH/oro/cdm

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

**COAST-TO-COAST
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Air, Water & Hazardous Waste Sampling, Analysis & Consultation
 Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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San Luis Obispo Division
 141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
 FAX (805) 543-2685

CLIENT: Paul Graff
 AEGIS Environmental Consultants, Inc
 1050 Melody Ln. Ste.160
 Roseville, CA 95678

Lab Number : BD-0246-6
 Project : 90-007 1061 Eastshore
 Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
Sample #14 Eastwall of Excavation	Soil	Mike Kitko	05/05/92	05/06/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	800	mg/Kg	EPA 9071	05/07/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/08/92

MH/oro/cdm

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
 Mary Havlicek, Ph.D.
 President

DAY OR MAR 17 '94 14:22 M&M EQUIPMENT (916)343-2773
TELEPHONE
(510) 235-1393

CERTIFIED SERVICES COMPANY
255 Parr Boulevard • Richmond, California 94801

P.2
NO. 11363

CUSTOMER
M&M EQUIP
JOB NO. 78494

FOR: Erickson, Inc. TANK NO. 8604

LOCATION: Richmond DATE: 05/07/92 TIME: 13:43:57

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT UG

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 550 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%
LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN
CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS
WASTE FACILITY."

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

K. Blucher REPRESENTATIVE TITLE INSPECTOR DK



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San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0246-2
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
Sample #10 Southwall of Excavation	Soil	Mike Kitko	05/05/92	05/06/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	ND	mg/Kg	EPA 9071	05/07/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/08/92

MH/oro/cdm

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President

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San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0246-3
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
Sample #11 Southwall of Excavation	Soil	Mike Kitko	05/05/92	05/06/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	1700	mg/Kg	EPA 9071	05/07/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/08/92

MH/oro/cdm

Respectfully submitted,
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San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0246-4
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
Sample #12 Southwall of Excavation	Soil	Mike Kitko	05/05/92	05/06/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	500	mg/Kg	EPA 9071	05/07/92	TW	

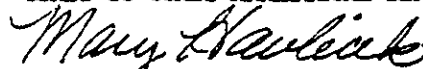
Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/08/92

MH/oro/cdm

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.



Mary Havlicek, Ph.D.
President



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(805) 543-2553
FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0246-5
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
Sample #13 Eastwall of Excavation	Soil	Mike Kitko		05/05/92	05/06/92
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED BY NOTES
Oil & Grease	50.	2300	mg/Kg	EPA 9071	05/07/92 CM

Lab Certifications: CAELAP#1598, UTELAP#E-142, A21A#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/08/92
MH/oro/cdm

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.
Mary Havlicek
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CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0246-6
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
Sample #14 Eastwall of Excavation	Soil	Mike Kitko	05/05/92	05/06/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	800	mg/Kg	EPA 9071	05/07/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/08/92

MH/oro/cdm

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

Phone (916) 782 2110
 FAX (916) 786-7830

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

Send results to:
 Aegis Environmental
 1050 Melody Lane, Suite 160
 Roseville, CA 95678

322016 82247

Site Address: 1061 Eastshore Hwy, Albany, CA
 AEGIS Project #: 90-007
 Shipped By: M. Kitko
 Shipped To: Coast to Coast Analytical Services
 Project Manager: P. Graff

For Shell Projects Only
 WIC: _____
 AFE: _____
 CT/DL: _____
 Shell Engineer: _____
 Hazardous Materials Suspected? (no)

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
5 feet bgs (bottom)	Underground Storage Tank Excavation Area	Sample # 8	May 5, 1992	liter/water	1	Fuel Fingerprint 820 * Total oil and Grease
3 feet bgs (side)	south wall of excavation	# 9	↓	↓	↓	↓
		# 10				
		# 11				
		# 12				
	east wall of excavation	# 13				
		# 14				

Sampler(s) (signature) Michael Kitko

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments
	<u>Michael Kitko</u>	<u>[Signature]</u>	5/5/92 16:35	
	<u>[Signature]</u> 5/5/92			
	<u>[Signature]</u> 5/7/92			

Sealed for shipment by: (signature) Michael Kitko Date/Time: _____ Shipment Method: Courier

Received for Lab by: (signature) _____ Date/Time: _____ Comments: Sample #8 - 5 day turn around

Samples # 9, 10, 11, 12, 13 and 14 test for Total oil and Grease with a 48 hour turn around.

* Also analyze water for total Cd, Cr, Pb, Ni, Zn ** EE SAMPLE POLISHED OFF OF 1.0 55

Receiving Laboratory: Please return original form after signing for receipt of samples.

108 5/5/92 16:35
54 11:45 21:10

MAY 19 1992



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Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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Ans'd. PKC

San Luis Obispo Division (805) 543-2553
141 Suburban Road, San Luis Obispo, California 93401 FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : HD-0250-1
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED			
Sample #15 West Side Wall	Soil	Mike Kitko	05/06/92	05/07/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	240.	mg/Kg	EPA 9071	05/07/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92
MH/oro/tmw
IE08HOS

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.
Mary Havlicek
Mary Havlicek, Ph.D.
President



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San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0250-2
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED			
Sample #16 West Side Wall	Soil	Mike Kitko	05/06/92	05/07/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	210.	mg/Kg	EPA 9071	05/07/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/orc/tmw
IE08HOS

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President



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San Luis Obispo Division (805) 543-2553
141 Suburban Road, San Luis Obispo, California 93401 FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0252-2
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED			
Sample #21 North Side Wall	Soil	Mike Kitko	05/07/92	05/07/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	3000.	mg/Kg	EPA 9071	05/08/92	CM	

Lab Certifications: CAELAP#1598, UTELAP#E-142, AZLA#0136-01, L.A.Co.CSD#10187.
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92
MH/oro/tmw
IE08HOS

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.
Mary Havlicek
Mary Havlicek, Ph.D.
President

**COAST-TO-COAST
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SERVICES**

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0252-3
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED			
Sample #22 North Side Wall	Soil	Mike Kitko	05/07/92	05/07/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	3000.	mg/Kg	EPA 9071	05/08/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
IE09HOS

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Haylicek
Mary Haylicek, Ph.D.
President



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San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

QC Batch ID: IE09H0S

CLIENT: Coast-to-Coast Analytical Services, Inc.

METHOD BLANK
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED	
METHOD BLANK	Solid				
CONSTITUENT	*PQL	RESULT	UNITS	METHOD ANALYZED	BY NOTE
Oil & Grease	50.	ND	mg/Kg	EPA 9071 05/08/92	TW

Lab Certifications: CAELAP#1598, UTELAP#E-142, A21A#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
BD0252-3

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Hawlicek
Mary Hawlicek, Ph.D.
President

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(805) 543-2553
FAX (805) 543-2685

QC Batch ID: IE09HOS

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED						
QC SPIKE DUPLICATE	Solid								
CONSTITUENT	*PQL	SPIKE	RESULT	%DIFF	UNITS	METHOD	ANALYZED	BY	NOTE
Oil & Grease	50.	380.	360.		5.4 mg/Kg	EPA 9071	05/08/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
BD0252-3

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek

Mary Havlicek, Ph.D.
President



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FAX (805) 543-2685

QC Batch ID: IE09HOS

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
QC SPIKE	Solid				
CONSTITUENT	*PQL	SPIKE	RESULT	%REC UNITS METHOD	ANALYZED BY NOTE
Oil & Grease	50.	380.	380.	100. mg/Kg EPA 9071	05/08/92 TW

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
ED0252-3

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Haylicek
Mary Haylicek, Ph.D.
President

San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

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CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0252-4
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample #23 North Side Wall	Soil	Mike Kitko	05/07/92	05/07/92
CONSTITUENT	*PQL	RESULT	UNITS METHOD	ANALYZED BY NOTES
Oil & Grease	50.	840.	mg/Kg EPA 9071	05/08/92 TW

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
IE09HOS

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Hawlicek

Mary Hawlicek, Ph.D.
President



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141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0252-5
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED			
Sample #24 East Side Wall	Soil	Mike Kitko	05/07/92	05/07/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	700.	mg/Kg	EPA 9071	05/08/92	TW	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
IE09HOS

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President

**COAST-TO-COAST
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 141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
 FAX (805) 543-2685

CLIENT: Paul Graff
 AEGIS Environmental Consultants, Inc
 1050 Melody Ln. Ste.160
 Roseville, CA 95678

Lab Number : BD-0252-6
 Project : 90-007 1061 Eastshore
 Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED	
Sample #25 South Side Wall	Soil	Mike Kitko	05/07/92	05/07/92	
CONSTITUENT	*PQL	RESULT	UNITS METHOD	ANALYZED	BY NOTES
Oil & Grease	50.	620.	mg/Kg EPA 9071	05/08/92	TW

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
 IE09HOS

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek

Mary Havlicek, Ph.D.
 President

Phone (916) 782 2110
FAX (916) 786-7830

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

Send results to:
Aegis Environmental
1050 Melody Lane, Suite 160
Roseville, CA 95678

3D0252

Site Address: 1061 Eastshore Hwy., Albany, CA
AEGIS Project #: 90-007
Shipped By: M. Kitko
Shipped To: Coast to Coast Analytical Services
Project Manager: P. Greff

For Shell Projects Only
WIC: _____
AFE: _____
CT/DL: _____
Shell Engineer: _____
Hazardous Materials Suspected? (yes/no)

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
3 feet below surface	North side wall	Sample # 20	May 07, 1992	brass/soil	1	Total Oil & Grease
↓	↓	# 21	↓	↓	↓	↓
		# 22				
		# 23				
	East side wall	# 24				
	South side wall	# 25				

Sampler(s) (signature) Michael Kitko

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments
	<u>Michael Kitko</u>	<u>Brenda D. [Signature]</u>	5/7/92 11:00	

Sealed for shipment by: (signature) Michael Kitko Date/Time: 05/07/92 11:00am Shipment Method: Courier
Received for Lab by: (signature) _____ Date/Time: _____ Comments: 48-hour turn-around

Receiving Laboratory: Please return original form after signing for receipt of samples.

White/Original Yellow/Lab Copy Pink/File Copy

CHROMALAB, INC.

Environmental Laboratory (1094)

JUN 01 1992

Ans'd... PKG

5 DAYS TURNAROUND

May 26, 1992

ChromaLab File No.: 0592144

AEGIS ENVIRONMENTAL

Attn: Paul Graff

RE: Three soil samples for TCLP - Motor Oil analysis

Project Location: 1061 EASTSHORE HWY, ALBANY, CA

Project Number: 90-007

Date Sampled: May 15, 1992

Date Submitted: May 15, 1992

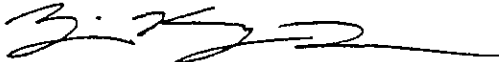
Date Extracted: May 21, 1992

Date Analyzed: May 21, 1992

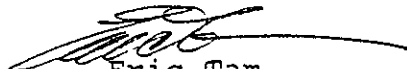
RESULTS:

<u>Sample I.D.</u>	<u>TCLP Motor Oil (mg/L)</u>
SP-1	N.D.
SP-2	N.D.
SP-3	N.D.
BLANK	N.D.
SPIKED RECOVERY	92%
DUPLICATE SPIKED RECOVERY	97%
DETECTION LIMIT	0.5
METHOD OF ANALYSIS	\3510/8015

ChromaLab, Inc.



Yiu Tam
Analytical Chemist



Eric Tam
Laboratory Director

CHROMALAB, INC.

5 DAYS TURNAROUND

Environmental Laboratory (1094)

May 26, 1992

ChromaLab File No.: 0592144

AEGIS ENVIRONMENTAL

Attn: Paul Graff

RE: One soil sample for Waste Extraction CAM 17 elements analysis

Project Location: 1061 EASTSHORE HWY, ALBANY, CA

Project Number: 90-007

Date Sampled: May 15, 1992

Date Submitted: May 15, 1992

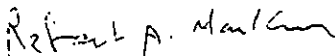
Date Analyzed: May 22, 1992


RESULTS: Sample I.D. SP-2

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	0.07	0.020
Arsenic (As)	0.22	0.005
Barium (Ba)	7.6	0.005
Beryllium (Be)	N.D.	0.001
Cadmium (Cd)	0.03	0.001
Cobalt (Co)	0.43	0.01
Chromium (Cr)	0.34	0.01
Copper (Cu)	1.2	0.005
Lead (Pb)	5.3	0.010
Mercury (Hg)	0.002	0.001
Molybdenum (Mo)	0.03	0.005
Nickel (Ni)	1.0	0.020
Selenium (Se)	N.D.	0.01
Silver (Ag)	N.D.	0.005
Thallium (Tl)	N.D.	0.04
Vanadium (V)	0.97	0.01
Zinc (Zn)	18	0.005

Method of Analysis: WET/3010/6010/7000

ChromaLab, Inc.


Refaat A. Mankarious
Inorganics Supervisor


Eric Tam
Laboratory Director

CHROMALAB, INC.

5 DAYS TURNAROUND

Environmental Laboratory (1094)

May 26, 1992

ChromaLab File No.: 0592144

AEGIS ENVIRONMENTAL

Attn: Paul Graff

RE: One soil sample for Waste Extraction CAM 17 elements analysis

Project Location: 1061 EASTSHORE HWY, ALBANY, CA

Project Number: 90-007

Date Sampled: May 15, 1992

Date Submitted: May 15, 1992

Date Analyzed: May 22, 1992


RESULTS: Sample I.D. SP-1

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	0.07	0.020
Arsenic (As)	0.20	0.005
Barium (Ba)	8.6	0.005
Beryllium (Be)	0.02	0.001
Cadmium (Cd)	0.06	0.001
Cobalt (Co)	0.84	0.01
Chromium (Cr)	0.61	0.01
Copper (Cu)	0.24	0.005
Lead (Pb)	3.6	0.010
Mercury (Hg)	0.001	0.001
Molybdenum (Mo)	0.03	0.005
Nickel (Ni)	1.0	0.020
Selenium (Se)	N.D.	0.01
Silver (Ag)	N.D.	0.005
Thallium (Tl)	N.D.	0.04
Vanadium (V)	1.6	0.01
Zinc (Zn)	14	0.005

Method of Analysis: WET/3010/6010/7000

ChromaLab, Inc.

Refaat A. Mankarious
Refaat A. Mankarious
Inorganics Supervisor


Eric Tam
Laboratory Director

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Newport Beach, CA • Valparaiso, IN • Westbrook, ME

San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
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CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0239-1
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
Sample #1 - Bottom of UST Excavation - 5' Below Ground Surface	Soil	Mike Kitko	05/04/92	05/05/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	230.	mg/Kg	EPA 9071	05/07/92	CM	

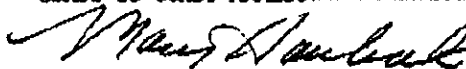
Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/08/92

M1/oro/tmw
IE08HOS

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.



Mary Havlicek, Ph.D.
President



Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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Newport Beach, CA • Valparaiso, IN • Westbrook, ME

San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0239-3
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
Sample #2 - Bottom of UST Excavation - 5' Below Ground Surface	Soil	Mike Kitko	05/04/92	05/05/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	230.	mg/Kg	EPA 9071	05/07/92	CM	

Lab Certifications: CAELAP#1598, UTIELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.
*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/08/92
MH/oro/tmw

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.
Mary Havlicek
Mary Havlicek, Ph.D.
President

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Newport Beach, CA • Valparaiso, IN • Westbrook, ME

San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0239-3
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED				
Sample #3 - Below Dispenser Island - 1' Bgs	Soil	Mike Kitko	05/04/92	05/05/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	170.	mg/Kg	EPA 9071	05/07/92	CM	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/08/92

M1/oro/tmw
IE08HOS

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek, Ph.D.
President

Phone (916) 782 2110
 FAX (916) 786-7830

AEGIS Environmental
 Sample Identification/Field Ch.

CHROMALAB FILE # 592144
 ORDER #

6447

Send results to:
 Aegis Environmental
 1050 Melody Lane, Suite 160
 Roseville, CA 95678

Site Address: 1061 EAST SHORE Hwy ALBANY CA
 AEGIS Project #: 90-007
 Shipped By: AEGIS
 Shipped To: CHROMALAB
 Project Manager: P. Huff "PAUL GRIFF"

For Shell Projects Only
 WIC: _____
 A/E: _____
 CT/DL: _____
 Shell Engineer: _____
 Hazardous Materials Suspected? (yes/no)

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
SP-4 point field compacts	Soil Stockpile	SP-1	5-15-92	Soil	1	STLC CAM17 metals TCLP/TPH as motor oil
↓		SP-2	↓	↓	↓	STLC CAM17 metals TCLP/TPH as motor oil
		SP-3				TCLP/TPH as motor oil
		SP-4				Hold
		SP-5				Hold
		Rerun SP-1 & SP-2, STLC CAM17 - DI water				per Paul Griff 5/27/92

Sampler(s) (signature) Eric Huff "ERIC HENDERSON"

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments
SP 1 & 5 & 4 & 5	<u>Eric Huff</u>	<u>Gary Cook</u>	5/15/92 1:15 PM	5 DAY T.A.T

Scaled for shipment by: (signature) Eric Huff Date/Time: 5/15/92 12:30 PM Shipment Method: LALS PICK UP AT SITE

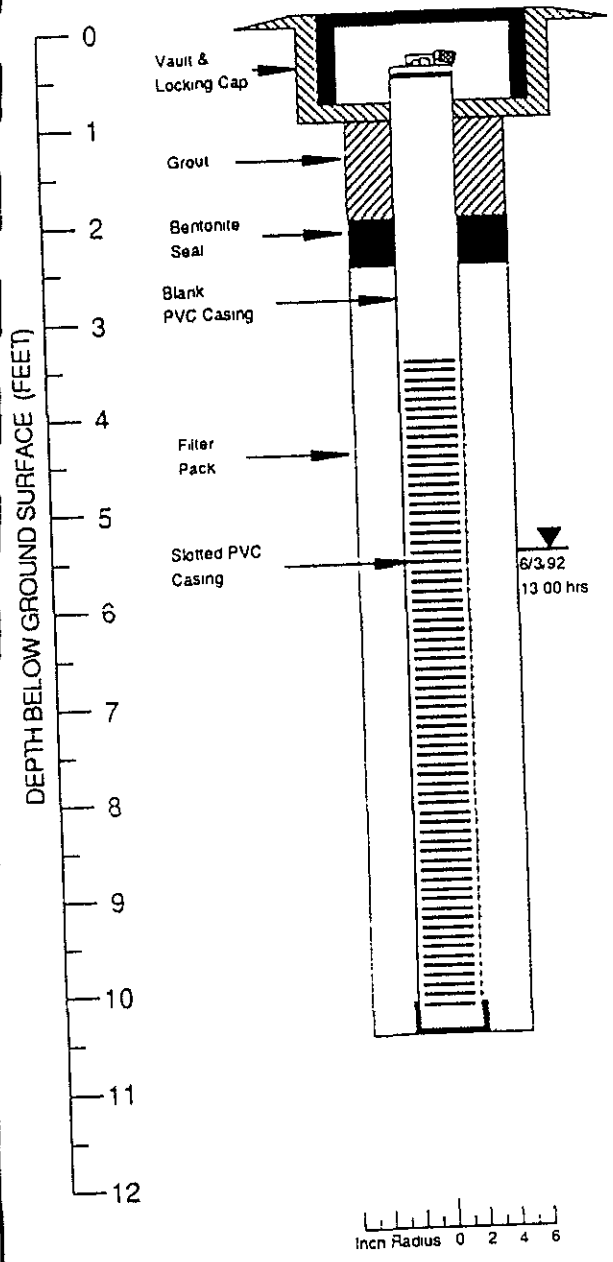
Received for Lab by: (signature) Gary Cook Date/Time: 5/15/92 1:15 PM Comments: _____

* 5-DAY Turnaround

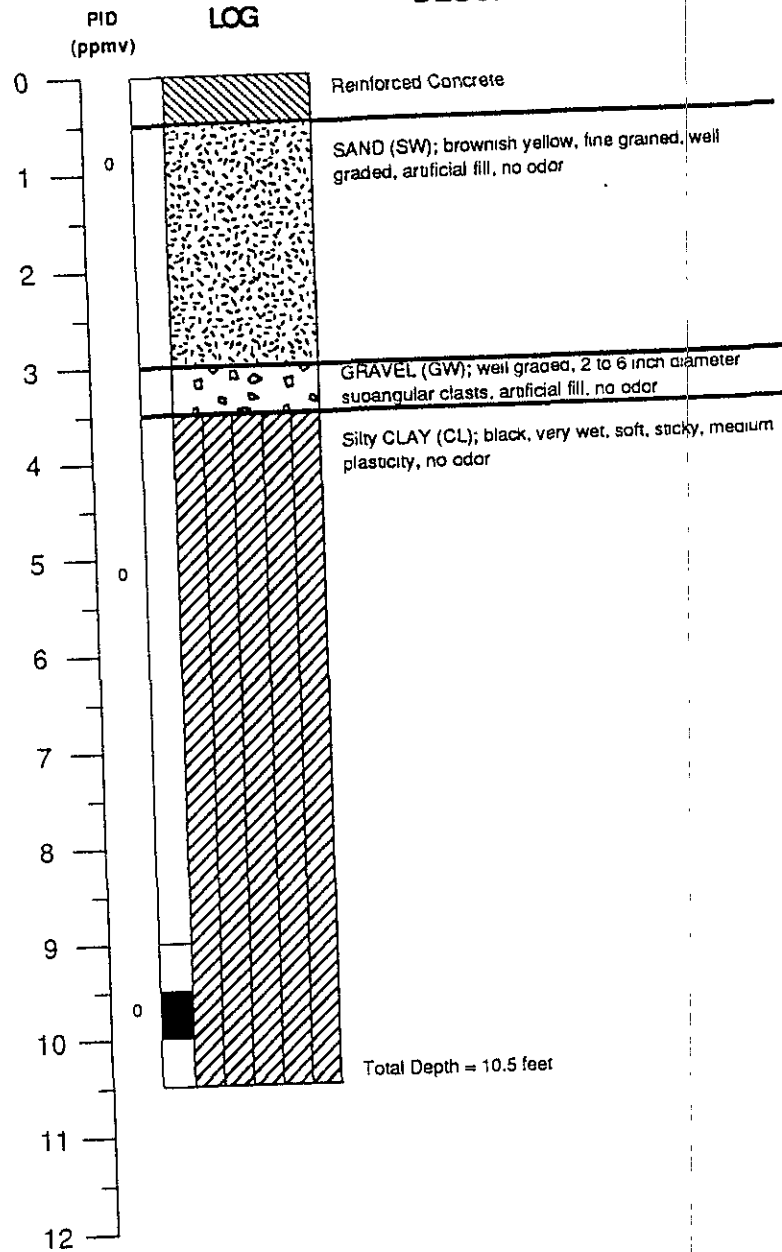
Receiving Laboratory: Please return original form after signing for receipt of samples.

White/Original Yellow/1st Copy Pink/2nd Copy

WELL CONSTRUCTION DETAIL



GRAPHIC LOG DESCRIPTION



Logged by: M. Kitko	Drilling Company: B&F Drilling	Well Head Completion: 1:15 hrs
Project Mgr: P. Graff	Drilling Method: Mobile B-53	Type of Sampler: Calif. Split Spoon
Date Drilled: 6/3/92	Driller: Breece Franks, Breece III	TD (Total Depth): 10.5'

- | Explanation | Contacts |
|---|---|
| ▼ Water level during drilling | — Solid where certain |
| ▽ Water level in completed well | Dotted where approximate |
| □ Location of recovered drill sample | - - Dashed where uncertain |
| ■ Location of sample sealed for chemical analysis | //// Fractured where gradational |
| ▨ Sieve sample | est K Estimated permeability (hydraulic conductivity)
1K= primary, 2K= secondary |
| ⊠ Grab Sample | NR No Recovery |



Well Log	JOB NUMBER
Monitoring Well 9	90-007
E.C. Buehrer 1061 Eastshore Highway Albany, CA	WELL
	9

Phone (916) 782-2110
 FAX (916) 786-7830

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

Send results to:
 Aegis Environmental
 1050 Melody Lane, Suite 160
 Roseville, CA 95678

820239

For Shell Projects Only

WIC: _____
 AFE: _____
 CT/DL: _____
 Shell Engineer: _____
 Hazardous Materials Suspected? (yes/no)

Site Address: 1061 Eastshore Hwy, Albany, CA
 AEGIS Project #: 90-007
 Shipped By: M. Kitko
 Shipped To: Coast to Coast Analytical Laboratory
 Project Manager: Paul Craft

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
5 feet below ground surface	Bottom of UST Excavation *	Sample # 1	May 04, 1992	Brass/soil	1	TPH Oil & greases TPH-g. BTEX TPH-d
5 feet below ground surface	Below disperser *	Sample # 2	May 04, 1992	Brass/soil	1	
1 foot bgs	Island *	Sample # 3	May 04, 1992	Brass/soil	1	
North side	Stockpile No. 1	Sample # 4	May 04, 1992	Brass/soil	1	STLC for CAM 17 Metals:
West side	Stockpile No. 1	Sample # 5	May 04, 1992	Brass/soil	1	TCLP Extraction for EPA 418.1 Analysis
East side	Stockpile No. 1	Sample # 6	May 04, 1992	Brass/soil	1	STLC for CAM 17 Metals
South side	Stockpile No. 1	Sample # 7	May 04, 1992	Brass/soil	1	TCLP Extraction for EPA 418.1 Analysis

Sampler(s) (signature) Michael Kitko

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments
	<u>Michael Kitko</u>	<u>[Signature]</u>	May 04, 1992 4:45	
	<u>[Signature]</u>	<u>[Signature]</u>	5-5-92 1500	

Scaled for shipment by: (signature) Michael Kitko Date/Time: May 04, 1992 4:45 Shipment Method: Carrier

Received for Lab by: (signature) _____ Date/Time: _____ Comments: Hold on Samples 4 and 5, 6, 7

Samples 4 & 6 run STLC for CAM 17 Metals. Samples 5 & 7 run TCLP Extraction for EPA 418.1 analysis.
Analysis: ~~STLC~~ turn-around on samples 1, 2 and 3. 0.46 = total oil remaining & 5 day
 Receiving Laboratory: Please return original form after signing for receipt of samples. SPH-610 = FF 112
 White/Original Yellow/Lab Copy Pink/ile Copy PAUL CRAFT 05/5/92

05/11/92

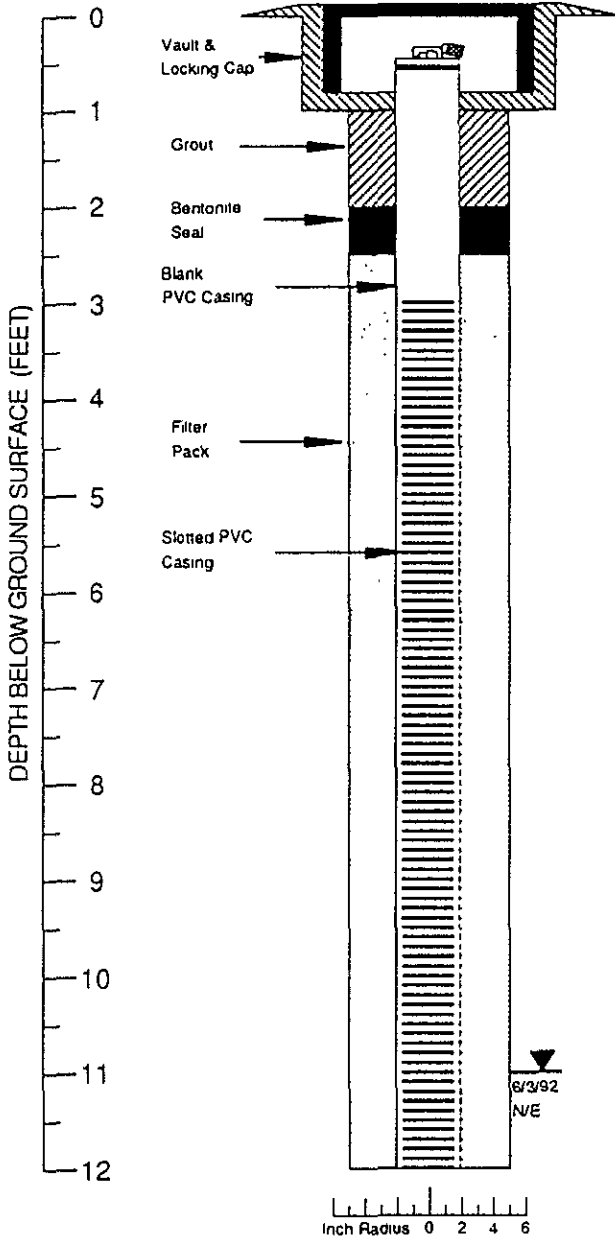
08:51

0095 :HC/SLO 805-543-2685

002

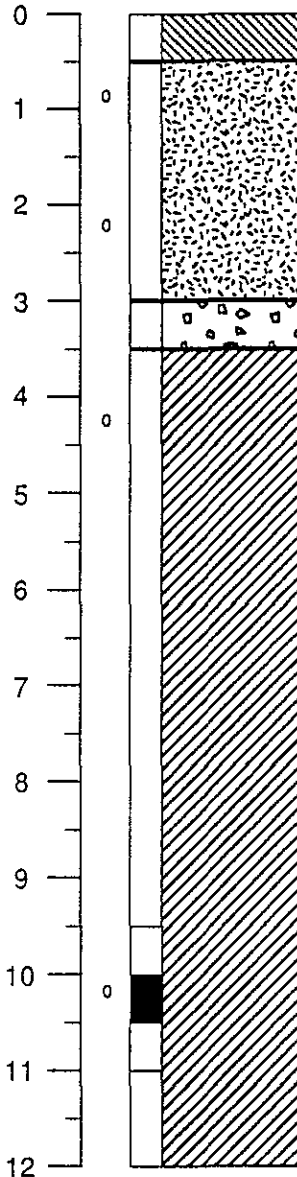
APPENDIX E
BORING LOGS

WELL CONSTRUCTION DETAIL



GRAPHIC LOG

PID (ppmv)



DESCRIPTION

Reinforced Concrete

SAND (SW); brownish yellow, fine grained, artificial fill, well graded, no odor

GRAVEL (GW); well graded, 2 to 6 inches in diameter, subangular clasts, artificial fill, no odor

CLAY (CL); grayish olive green, wet, sticky, medium plasticity, no odor

Logged by: M. Kitko
Project Mgr: P. Graff
Date Drilled: 6/3/92

Drilling Company: B&F Drilling
Drilling Method: Mobile B-53
Driller: Breece Franks, Breece III

Well Head Completion: 11:30 hrs
Type of Sampler: Calif. Spilt Spoon
TD (Total Depth): 13.5'

Explanation

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab Sample

Contacts

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K Estimated permeability (hydraulic conductivity)
1K= primary, 2K= secondary
- NR No Recovery



AEGIS ENVIRONMENTAL, INC.

Well Log

Monitoring Well 8

E.C. Buehrer
1061 Eastshore Highway
Albany, CA

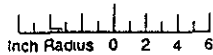
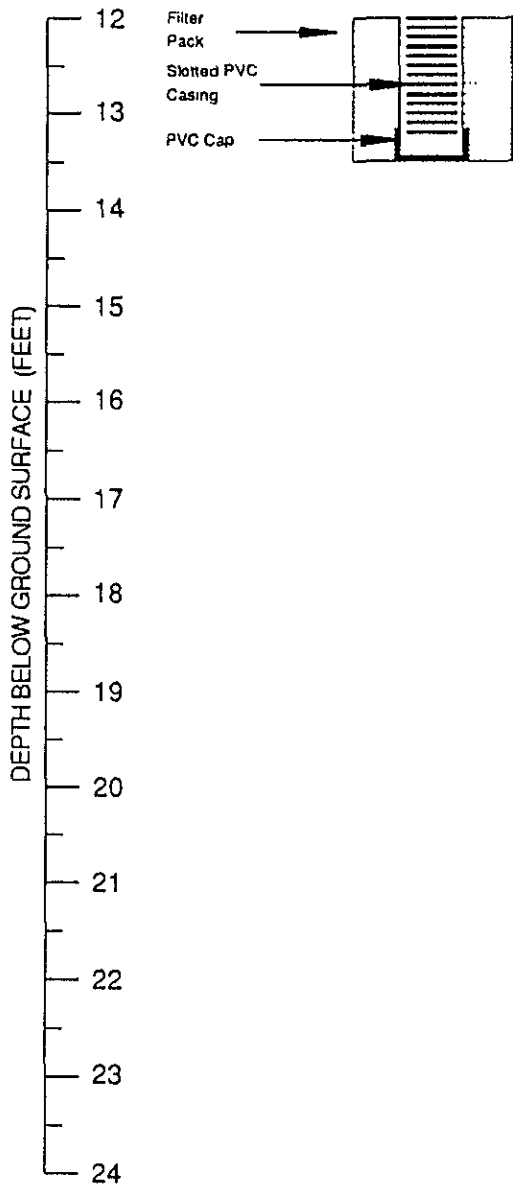
JOB NUMBER

90-007

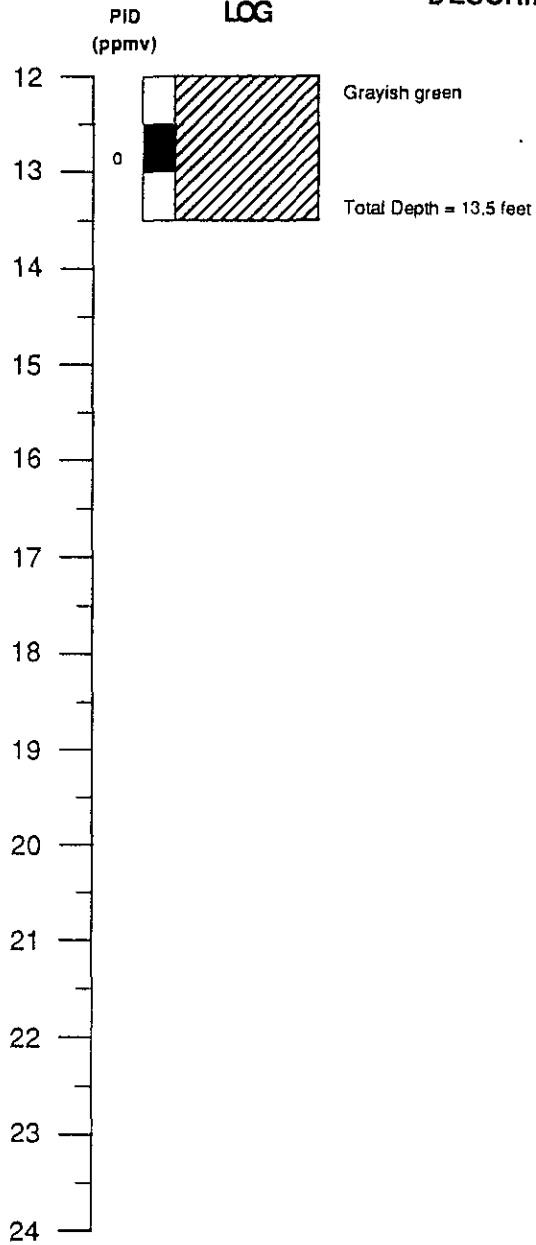
WELL

8

WELL CONSTRUCTION DETAIL



GRAPHIC LOG



DESCRIPTION

Explanation

- Water level during drilling
- Water level in completed well
- Location of recovered drill sample
- Location of sample sealed for chemical analysis
- Sieve sample
- Grab Sample

Contacts.

- Solid where certain
- Dotted where approximate
- Dashed where uncertain
- Hachured where gradational
- est K Estimated permeability (hydraulic conductivity)
1K= primary 2K= secondary
- NR No Recovery



AEGIS ENVIRONMENTAL, INC.

Well Log

Monitoring Well 8

E.C. Buehrer
1061 Eastshore Highway
Albany, CA

JOB NUMBER

90-007

WELL

8

Project: E.C. Buehrer
Project No.: 893040.33

TABLE I
Maximum Density/Optimum Moisture
ASTM D-1557

Sample Number	Description	Optimum Moisture %	Maximum Dry Density, P.C.F.
1	Light Brown fine Sand	10.0	115.0

TABLE II
FIELD DENSITY TEST SUMMARY
ASTM D-3017/D-2922

TEST NO.	DATE	LOCATION	ELEV. (ft)	MOIST. (%)	DRY DENSITY (PCF)	MAX. DRY DENSITY (PCF)	OPT. MOIST. %	% COMPACTION	REMARKS
1	5-11-92	25'W/10'N-SE Corner	-2.0' ffg	8.7	108.9	115.0	10.0	94.6	
2	5-11-92	50'W/10'N-SE Corner	-2.0' ffg	9.4	108.8	115.0	10.0	94.6	
3	5-11-92	50'W/50'N-SE Corner	-1.5' ffg	6.2	109.9	115.0	10.0	95.5	
4	5-11-92	20'W/60'N-SE Corner	-1.0' ffg	8.6	108.8	115.0	10.0	94.6	
5	5-11-92	10'W/10'N-SE Corner	-1.0' ffg	7.7	108.6	115.0	10.0	94.4	
6	5-11-92	38'W/38'N-SE Corner	-1.0' ffg	8.6	107.8	115.0	10.0	93.7	
7	5-11-92	10'S/10'W-NE Corner	-1.0' ffg	8.9	107.9	115.0	10.0	93.8	
8	5-12-92	55'W/65'N-SE Corner	-0.5' ffg	9.3	109.7	115.0	10.0	95.3	
9	5-12-92	15'W/70'N-SE Corner	-0.3' ffg	6.1	109.6	115.0	10.0	95.3	
10	5-12-92	15'W/35'N-SE Corner	-0.5' ffg	8.1	109.0	115.0	10.0	94.7	
11	5-12-92	40'W/30'N-SE Corner	-0.4' ffg	9.0	110.7	115.0	10.0	96.2	
12	5-13-92	45'W/45'N-SE Corner	SG	7.0	113.3	115.0	10.0	98.3	
13	5-13-92	37'W/35'N-SE Corner	SG	6.1	112.7	115.0	10.0	98.0	
14	5-13-92	20'W/20'N-SE Corner	SG	5.7	109.7	115.0	10.0	95.3	
15	5-13-92	10'S/10'W-NE Corner	SG	10.2	112.3	115.0	10.0	97.6	

Note: ffg = from finished grade SG = Subgrade

Note:
 This report presents the results of our testing of the fill placement. We have relied on the contractor to continue applying the recommended compactive effort and moisture to the fill during times when our observer is not observing operations. Tests are made of the fill only as believe necessary to calibrate our observer's judgment. Test data are not the sole basis for opinions on whether the fill meets specifications.

Phone (916) 782 2110
FAX (916) 786-7830

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

Send results to:
Aegis Environmental
1050 Melody Lane, Suite 160
Roseville, CA 95678
BPO 250

Site Address: 1061 Eastshore Hwy
AEGIS Project #: 90-007
Shipped By: M. Kitko
Shipped To: Coast to Coast Analytical Services
Project Manager: P. Gruff

For Shell Projects Only
WIC: _____
AFE: _____
CT/DL: _____
Shell Engineer: _____
Hazardous Materials Suspected? No

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
3 feet bgs	West side wall	Sample # 15	May 06, 1992	Brass/soil	1	Total Oil & Grease
		# 16				
		# 17				
	# 18					
	North side wall	# 19				

Sampler(s) (signature) Michael Kitko

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments
	<u>Michael Kitko</u>	<u>[Signature]</u>	<u>5/6/92 4:43</u>	

Sealed for shipment by: (signature) Michael Kitko Date/Time: May 06, 1992 Shipment Method: Courier
Received for Lab by: (signature) _____ Date/Time: _____ Comments: Test for total oil & grease. 48-hour turn-around.

**COAST-TO-COAST
ANALYTICAL
SERVICES**

Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

MAY 19 1992

San Luis Obispo, CA • Goleta, CA • Benicia, CA • Camarillo, CA • Newport Beach, CA • ~~Van Nuys, CA~~ *PKG*

San Luis Obispo Division (805) 543-2553
141 Suburban Road, San Luis Obispo, California 93401 FAX (805) 543-2685

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0252-1
Project : 90-007 1061 Eastshore
Hwy, Albany, CA

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED			
Sample #20 North Side Wall	Soil	Mike Kitko	05/07/92	05/07/92			
CONSTITUENT	*PQL	RESULT	UNITS	METHOD	ANALYZED	BY	NOTES
Oil & Grease	50.	320.	mg/Kg	EPA 9071	05/08/92	CM	

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/taw
IE08HOS

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President



San Luis Obispo, CA • Goleta, CA • Benicia, CA • Camarillo, CA • Newport Beach, CA • Valparaiso, IN

San Luis Obispo Division
141 Suburban Road, San Luis Obispo, California 93401

(805) 543-2553
FAX (805) 543-2685

QC Batch ID: IE08HOS

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY		SAMPLED DATE RECEIVED	
QC SPIKE	Solid				
CONSTITUENT	*PQL	SPIKE	RESULT	%REC	UNITS METHOD ANALYZED BY NOTE
Oil & Grease	50.	770.	810.	105.	mg/Kg EPA 9071 05/08/92 CM

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
ED0252-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President



San Luis Obispo, CA • Goleta, CA • Benicia, CA • Camarillo, CA • Newport Beach, CA • Valparaiso, IN

San Luis Obispo Division (805) 543-2553
141 Suburban Road, San Luis Obispo, California 93401 FAX (805) 543-2685

QC Batch ID: IE08HOS

CLIENT: Coast-to-Coast Analytical Services, Inc.

QC SPIKE
REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
QC SPIKE DUPLICATE	Solid			
CONSTITUENT	*PQL	SPIKE	RESULT	%DIFF UNITS METHOD ANALYZED BY NOTE
Oil & Grease	50.	770.	860.	6. mg/Kg EPA 9071 05/08/92 CM

Lab Certifications: CAELAP#1598, UTELAP#E-142, A2LA#0136-01, L.A.Co.CSD#10187.

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

05/15/92

MH/oro/tmw
ED0252-1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

ATTACHMENT D
BFI LANDFILL INFORMATION

2001 PLEASE MAKE NEXT SELECTION

CMS - OPEN INVOICE DETAIL

06/15/92

ACCOUNT NUMBER: 1007137
CUSTOMER NAME: AEGIS ENVIRONMENTAL INC.
ATTENTION:

INVOICE NUMBER: 920600
DATE BILLED:

ADDRESS:

AMT BILLED: .0
CUR BALANCE: .0
CA 95678

CITY/STATE/ZIP: ROSEVILLE

DATE	DOCUMENT	TRANS	DESCRIPTION	AMOUNT
06/09/92	A80322	0200	486.00 YD @ \$20.00/YD-SPECIAL	9,720.00
06/10/92	A80996	0200	18 YD @ \$20.00/SPECIAL	360.00
06/10/92	A80996	0200	18.00 YD @ \$8.50/YD-CONST/DEMO	153.00
06/10/92	A90357	0200	486.00 YD @ \$20.00/YD-SPECIAL	9,720.00
06/10/92		0401	CREDIT JUMP FEES	-153.00
06/11/92	A81026	0200	36.00 YD @ \$20.00/YD-SPECIAL	720.00
			SERVICE LOCATION 100 TOTAL	20,520.00
06/10/92	549354	0601	PAYMENT THANK-YOU	-9,720.00
06/11/92	549353	0601	PAYMENT THANK-YOU	-10,080.00
06/12/92	549355	0601	PAYMENT THANK-YOU	-720.00

SETDBFOS CSSITDZ

Notice to Adjuster or Attorney.

This copy must be mailed to the Federated Mutual Insurance Company / Federated Service Insurance Company, the day the draft is drawn.

CLAIM FILE COPY

FIELD DRAFT (NON-NEGOTIABLE)

NO. 549354

NAME OF INSURED (IF OTHER THAN PAYEE) <i>E.C. Buehrer Associates, Inc.</i>	CLAIM NO. <i>832-481</i>	DATE OF ISSUE <i>06/09/92</i>
THIS PAYMENT COVERS <i>Soil Disposal</i>		DATE OF CLAIM <i>02/18/92</i>

Ninety seven hundred twenty ~~no cents~~ DOLLARS AT SIGHT PAY \$ *9720.00*

To the Order of

BFI Landfill

Michael [Signature]
NON-NEGOTIABLE
Adjuster of Attorney

27 loads

F20-179 ED. 3-87 PRINTED IN U.S.A.

Notice to Adjuster or Attorney.

This copy must be mailed to the Federated Mutual Insurance Company / Federated Service Insurance Company, the day the draft is drawn.

CLAIM FILE COPY

FIELD DRAFT (NON-NEGOTIABLE)

NO. 549353

NAME OF INSURED (IF OTHER THAN PAYEE) <i>E. C. Buehrer Associates Inc</i>	CLAIM NO. <i>832-481</i>	DATE OF ISSUE <i>June 10, 1992</i>
THIS PAYMENT COVERS <i>Non-Hazardous Soil Disposal</i>		DATE OF CLAIM <i>2-18-89</i>

Ten thousand eighty DOLLARS AT SIGHT PAY ~~\$10,080.00~~

To the Order of

BFI Landfill

Michael [Signature]
NON-NEGOTIABLE
Adjuster of Attorney

28 loads

F20-179 ED. 3-87 PRINTED IN U.S.A.

RECEIVED
JUN 15 1992
Ans'd. *MDK*
90007

Notice to Adjuster or Attorney.

This copy must be mailed to the Federated Mutual Insurance Company / Federated Service Insurance Company, the day the draft is drawn.

CLAIM FILE COPY

FIELD DRAFT (NON-NEGOTIABLE)

NO. 549355

NAME OF INSURED (IF OTHER THAN PAYEE) <i>E. C. Buehrer, Inc.</i>	CLAIM NO. <i>832-481</i>	DATE OF ISSUE <i>June 25, 1992</i>
THIS PAYMENT COVERS <i>Soil Disposal (2 loads)</i>		DATE OF CLAIM <i>02/18/92</i>

Seven hundred twenty ~~no cents~~ DOLLARS AT SIGHT PAY \$ *7200.00*

To the Order of

BFI Landfill

Michael [Signature]
NON-NEGOTIABLE
Adjuster of Attorney

2 loads

F20-179 ED. 3-87 PRINTED IN U.S.A.

RECEIVED
JUN 15 1992

Total: 57 loads hauled to BFI landfill in Livermore, CA
for \$ 20,520.00



BROWNING-FERRIS INDUSTRIES

WCD No. SS 31189

BFI WASTE CODE

WASTE EVALUATION REQUEST

BFI to complete this area.

BFI Initiator, Location, Company Number, Date, Telephone Number, Action Requested: RCI - 24 Hour Response, RCI, TCLP - 5 Day Response, Other

Disposal Method Requested: Working Face, Daily Cover, Other; Disposal Site Requested; Company Number, P.O. Number; Analyses Requested: TCLP, RCI, Oil Sheen, TPH, BTEX, PCBs, Other; Analyses To Follow: TCLP, Other

WASTE CHARACTERIZATION DATA

UST Contaminated Soils

IMPORTANT: THIS FORM IS TO BE COMPLETED BY A REPRESENTATIVE OF THE PARTY RESPONSIBLE FOR THE STORAGE TANK OR BY A REPRESENTATIVE OF THE PARTY TO BE INVOICED FOR DISPOSAL...

INSTRUCTIONS: This form is to be used only to describe contaminated soils that are not designated as hazardous waste by the USEPA offered to BFI for disposal...

1. GENERATOR INFORMATION

a) Generator's Name: E.C. Buehree Associates; b) Generating Facility Address: 261 Eastshore Hwy, Albany, CA; c) Company Representative: Paul Graft, Senior Geologist; e) Customer's Name: Aegis Environmental; f) Customer's Address: 1050 Mendocino St, Roseville, CA; g) Telephone No. (916) 782-2110

2. GENERAL WASTE STREAM INFORMATION

a) Description of The Waste: 1) Soil contaminated with leaded gasoline, 2) Soil contaminated with unleaded gasoline, 3) Soil contaminated with diesel fuel, 4) Soil contaminated with heating oil, 5) Soil contaminated with vehicle drain oil; b) Type of facility generating the waste soil: Equipment Rental Service; c) Anticipated Volume: 1175 Cubic Yards; d) Is this a "Hazardous Waste" as defined by State or local Regulations? No; e) Is this a "Special Waste" as defined by State or local Regulations? No; f) Is this waste subject to the UST corrective action regulations under 40 CFR 280? Yes; g) Recommended personal protective equipment and special handling procedures: Level D; h) Has a representative sample or the contaminated soil been provided to BFI for testing and evaluation? No

BFI WASTE CODE

3. THIS WASTE CONTAINS

Note if the waste contains any of the following: *Do not check if otherwise specified in Section 2.

- Free Liquids, Free Cyanide, Free Sulfide, Free Ammonia, Dioxins, Organic Solvents, Used or Waste Oils*, Virgin Oils*, Etiological Agents, Pathogens, OSHA Substances, Biological Materials, Radioactive Materials, PCBs not regulated by TSCA 40 CFR 761, None of the above

If any of the above are checked, specify type (if applicable) and concentration in the waste:

4. SUPPLEMENTAL INFORMATION

- None, MSD Sheets, TCLP Data, Additional Analytical Data, Memo/Letter, Other - describe, No. of Pages

5. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exists, that all known or suspected hazards have been disclosed, and that the waste is not designated a Hazardous Waste by the USEPA or contains PCBs regulated by TSCA 40 CFR 761.

GENERATOR'S AUTHORIZED SIGNATORY:

Signature and initials of Paul C. Smith, Sr. Ecologist, dated 3-4-92.

REPRESENTATIVE SAMPLE CERTIFICATE

This Section is to be completed by the person obtaining the sample of the above described waste, preferably a representative of the generator. DO NOT COLLECT OR SUBMIT SAMPLES THAT ARE RADIOACTIVE, SHOCK SENSITIVE, EXPLOSIVE, OR PYROPHORIC.

I certify that the sample identified below that is being forwarded to BFI for evaluation is representative of the waste described above

Collector's Name, Signature, Company, Title, Telephone Number, Generator's Name, Waste Description, Date Collected, Date at BFI Lab, WCD No. SS, BFI Lab No.

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 26, 1992

ChromaLab File No.: 0592144

90-007
PKG

AEGIS ENVIRONMENTAL

Attn: Paul GraffRE: One soil sample for Waste Extraction CAM 17 elements analysis

Project Location: 1061 EASTSHORE HWY, ALBANY, CA

Project Number: 90-007

Date Sampled: May 15, 1992

Date Submitted: May 15, 1992

Date Analyzed: May 22, 1992

RESULTS: Sample I.D. SP-1

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	0.07	0.020
Arsenic (As)	0.20	0.005
Barium (Ba)	8.6	0.005
Beryllium (Be)	0.02	0.001
Cadmium (Cd)	0.06	0.001
Cobalt (Co)	0.84	0.01
Chromium (Cr)	0.61	0.01
Copper (Cu)	0.24	0.005
Lead (Pb)	3.6	0.010
Mercury (Hg)	0.001	0.001
Molybdenum (Mo)	0.03	0.005
Nickel (Ni)	1.0	0.020
Selenium (Se)	N.D.	0.01
Silver (Ag)	N.D.	0.005
Thallium (Tl)	N.D.	0.04
Vanadium (V)	1.6	0.01
Zinc (Zn)	14	0.005

Method of Analysis: WET/3010/6010/7000

ChromaLab, Inc.

Refaat A. Mankarious
Refaat A. Mankarious
Inorganics Supervisor

[Signature]
Eric Tam
Laboratory Director

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 26, 1992

ChromaLab File No.: 0592144

AEGIS ENVIRONMENTAL

Attn: Paul Graff

RE: One soil sample for Waste Extraction CAM 17 elements analysis

Project Location: 1061 EASTSHORE HWY, ALBANY, CA

Project Number: 90-007

Date Sampled: May 15, 1992

Date Submitted: May 15, 1992

Date Analyzed: May 22, 1992

RESULTS: Sample I.D. SP-2

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	0.07	0.020
Arsenic (As)	0.22	0.005
Barium (Ba)	7.6	0.005
Beryllium (Be)	N.D.	0.001
Cadmium (Cd)	0.03	0.001
Cobalt (Co)	0.43	0.01
Chromium (Cr)	0.34	0.01
Copper (Cu)	1.2	0.005
Lead (Pb)	5.3	0.010
Mercury (Hg)	0.002	0.001
Molybdenum (Mo)	0.03	0.005
Nickel (Ni)	1.0	0.020
Selenium (Se)	N.D.	0.01
Silver (Ag)	N.D.	0.005
Thallium (Tl)	N.D.	0.04
Vanadium (V)	0.97	0.01
Zinc (Zn)	18	0.005

Method of Analysis: WET/3010/6010/7000

ChromaLab, Inc.

Refaat A. Mankarious
 Refaat A. Mankarious
 Inorganics Supervisor


 Eric Tam
 Laboratory Director

90-007
AKG ✓

5 DAYS TURNAROUND

CHROMALAB, INC.

Environmental Laboratory (1094)

June 3, 1992

ChromaLab File No.: 0592144

Re-Run

AEGIS ENVIRONMENTAL

Attn: Paul Graff

RE: Two soil samples for WET (STLC) Lead analysis

Project Location: 1061 EASTSHORE HWY, ALBANY, CA

Project Number: 90-007

Date Sampled: May 15, 1992

Date Submitted: May 15, 1992

Date Extracted: May 30, 1992

Date Analyzed: June 2, 1992

RESULTS:

Sample I.D.	STLC Lead (mg/L)
SP-1	N.D.
SP-2	N.D.
BLANK	N.D.
SPIKED RECOVERY	88%
DUPLICATE SPIKED RECOVERY	88%
DETECTION LIMIT	0.05
METHOD OF ANALYSIS	WET/3010/7420

ChromaLab, Inc.

Refaat A. Mankarious

Refaat A. Mankarious
Inorganics Supervisor

Eric Tam

Eric Tam
Laboratory Director

PKG
CF

CHROMALAB, INC.

5 DAYS TURNAROUND

Environmental Laboratory (1004)

May 26, 1992

ChromaLab File No.: 0592144

AEGIS ENVIRONMENTAL

ATTN: Paul Graff

RE: Three soil samples for TCLP - Motor Oil analysis

Project Location: 1061 EASTSHORE HWY, ALBANY, CA

Project Number: 90-007

Date Sampled: May 15, 1992

Date Extracted: May 21, 1992


Date Submitted: May 15, 1992

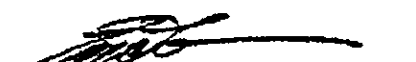
Date Analyzed: May 21, 1992

RESULTS:

Sample I.D.	TCLP Motor Oil (mg/L)
SP-1	N.D.
SP-2	N.D.
SP-3	N.D.
BLANK	N.D.
SPIKED RECOVERY	92%
DUPLICATE SPIKED RECOVERY	97%
DETECTION LIMIT	0.5
METHOD OF ANALYSIS	1510/8015

ChromaLab, Inc.


Yiu Tam
Analytical Chemist


Eric Tam
Laboratory Director

Sealburn, VA

Phone (916) 782 2110
 FAX (916) 786-7830

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

Send results to:
 Aegis Environm...
 1050 Melody Lane, Suite 10
 Roseville, CA 9567

Site Address: 1061 EAST SHORE Hwy ALBANY CA
 AEGIS Project #: 10-007
 Shipped By: AEGIS
 Shipped To: CHITONG LABS
 Project Manager: V. Huff PAUL GRAFF

For Shell Projects Only
 WIC: _____
 AFE: _____
 CT/DL: _____
 Shell Engineer: _____
 Hazardous Materials Suspected? (yes/no) _____

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
<u>Soil</u>	<u>Soil Stockpile</u>	<u>SP-1</u>	<u>5-15-97</u>	<u>Soil</u>	<u>1</u>	<u>TECP/TMHC metals</u>
		<u>SP-2</u>				<u>STC/CAM/T metals</u>
		<u>SP-3</u>				<u>TECP/TMHC metals</u>
		<u>SP-4</u>				<u>Hold</u>
		<u>SP-5</u>				<u>Hold</u>

Sampler(s) (signature) Eric Huff ISEMITH HENRISSON

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments
<u>SP-1, 2, 3, 4, 5</u>	<u>Eric Huff</u>	<u>Eric Huff</u>	<u>5-15-97</u>	<u>5:00 P.M.</u>

Scaled for shipment by: (signature) [Signature] Date/Time: 5-17-97 12:36 PM Shipment Method: LAS PICK UP ON 5/17/97
 Received for Lab by: (signature) [Signature] Date/Time: 5-17-97 Comments: _____

Receiving Laboratory: Please return original form after signing for receipt of samples.

MAY 29 1992



Air, Water & Hazardous Waste Sampling, Analysis & Consultation
Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0228-1
Project : 90-007 (E.C. Buehrer),
1061 Eastshore Hwy., Albany, CA
Analyzed : 05/05/92
Analyzed by: DP
Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample A (BD0228-1A) & Sample B (BD0228-1B)	Soil	Mike Kitko	04/29/92	04/29/92

CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
TOTAL SEMIVOLATILE PETROLEUM HYDROCARBONS				1,2
Total Petroleum Hydrocarbons		200.	ND	

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) Sample Preparation on 05/04/92 by TJD using EPA 3510
- (2) Sample was extracted on 4/30/92 by JDS using EPA 1311 (TCLP).

05/07/92
MSD5/DE15A
MH/Lap/dsp
IE04M510

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

**COAST-TO-COAST
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Benicia Division
 6006 Egret Court, Benicia, California 94510

(707) 747-2757
 FAX (707) 747-2765

CLIENT: Paul Graff
 AEGIS Environmental Consultants, Inc
 1050 Melody Ln. Ste.160
 Roseville, CA 95678

Lab Number : ED-0228-2
 Project : 90-007 (E.C. Bushner),
 1061 Eastshore Hwy., Albany, CA
 Analyzed : 05/05/92
 Analyzed by: DP
 Method : EPA 8270

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE RECEIVED	
Sample C (ED0228-2A) & Sample D (ED0228-2B)	Soil	Mike Kitko	04/29/92	04/29/92
CONSTITUENT	(CAS RN)	*PQL µg/L	RESULT µg/L	NOTE
TOTAL SEMIVOLATILE PETROLEUM HYDROCARBONS		200.	ND	1,2
Total Petroleum Hydrocarbons				

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185
 *RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)
 (1) Sample Preparation on 05/04/92 by LAP using EPA 3510
 (2) Sample was extracted on 4/30/92 by JDS using EPA 1311 (TCLP).

05/07/92
 MSD5/DE16A
 MH/lap/dsp
 IE04M510

Respectfully submitted,
 COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
 Mary Havlicek, Ph.D.
 President

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

BDO228

Site Address: 1061 Eastlake Hwy, Dixon, CA
 AEGIS Project #: 90-007 (F.C. Fishery)
 Shipped By: M. K. E. D.
 Shipped To: _____
 Project Manager: D. G. E. E.

For Shell Projects Only
 WIC: _____
 AFE: _____
 CT/DL: _____
 Shell Engineer: _____
 Hazardous Materials Suspected? (yes/no)

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
↓	↓	Sample A	2/17/02	↓	1	STLC for T, Pb, Cu, Zn, Cd, Ni, Cr, Hg, As, Se, Mn, Fe, Al, Si, S, P, B, V, Mo, Co, Ni, Cu, Zn, Cd, Ni, Cr, Hg, As, Se, Mn, Fe, Al, Si, S, P, B, V, Mo, Co
		Sample B	2/17/02	↓	1	TC P - Pb, Cu, Zn, Cd, Ni, Cr, Hg, As, Se, Mn, Fe, Al, Si, S, P, B, V, Mo, Co
		Sample C	2/17/02	↓	1	STLC for T, Pb, Cu, Zn, Cd, Ni, Cr, Hg, As, Se, Mn, Fe, Al, Si, S, P, B, V, Mo, Co
		Sample D	2/17/02	↓	1	TC P - Pb, Cu, Zn, Cd, Ni, Cr, Hg, As, Se, Mn, Fe, Al, Si, S, P, B, V, Mo, Co

Sampler(s) (signature) Michael K. E. D. Jacobs

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments

Scaled for shipment by: (signature) Michael K. E. D. Date/Time: 2/17/02 10:00 Shipment Method: _____

Received for Lab by: (signature) _____ Date/Time: _____ Comments: _____

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Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0239-1
Project : 90-007 1061 Eastshore
Hwy, Albany, CA
Analyzed : 05/07/92
Analyzed by: AZ
Method : As Listed

RECEIVED
MAY 29 1992
Ans'd. MDK

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample #1 - Bottom of UST Excavation - 5' Below Ground Surface	Soil	Mike Kitko	05/04/92	05/05/92
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS				1,2,3
Benzene	(71432)	0.005	ND	
Toluene	(108883)	0.005	ND	
Ethylbenzene	(100411)	0.005	ND	
Xylenes		0.005	ND	
1,2-Dichloroethane (EDC)	(107062)	0.005	ND	
Ethylene Dibromide (EDB)	(106934)	0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		0.5	ND	
Total Petroleum Hydrocarbons (Diesel 2)		0.5	ND	
BTX as a percent of fuel			Not Appl.	
1,2-Dichloroethane-d4 (Surrogate)			37.4	
Toluene-d8 (Surrogate)			40.0	
p-Bromofluorobenzene (Surrogate)			38.8	

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) ANALYZED by CAL DHS DRAFT TPH (modified) and EPA 8260 (GC/MS)
- (2) EXTRACTED by EPA 5030 (purge-and-trap)
- (3) Surrogates were spiked at 0.040mg/Kg

05/08/92
INCO5 50-387
MH/trk/htc
EDE07I1

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

**COAST - TO -
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Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : BD-0239-2
Project : 90-007 1061 Eastshore
Hwy, Albany, CA
Analyzed : 05/07/92
Analyzed by: AZ
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample #2 - Bottom of UST Excavation - 5' Below Ground Surface	Soil	Mike Kitko	05/04/92	05/05/92
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS				1,2,3
Benzene	(71432)	0.005	ND	
Toluene	(108883)	0.005	ND	
Ethylbenzene	(100411)	0.005	ND	
Xylenes		0.005	ND	
1,2-Dichloroethane (EDC)	(107062)	0.005	ND	
Ethylene Dibromide (EDB)	(106934)	0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		0.5	ND	
Total Petroleum Hydrocarbons (Diesel 2)		0.5	ND	
BTX as a percent of fuel			Not Appl.	
1,2-Dichloroethane-d4 (Surrogate)			39.0	
Toluene-d8 (Surrogate)			38.4	
p-Bromofluorobenzene (Surrogate)			34.5	

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) ANALYZED by CAL DHS DRAFT TPH (modified) and EPA 8260 (GC/MS)
- (2) EXTRACTED by EPA 5030 (purge-and-trap)
- (3) Surrogates were spiked at 40.0mg/Kg

05/08/92
INCOS 50-387
MH/trk/htc
BDE0711

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Hawlicek
Mary Hawlicek, Ph.D.
President

**COAST-TO-COAST
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Certified Hazardous Waste, Chemistry, Bacteriology & Bioassay Laboratories

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Benicia Division
6006 Egret Court, Benicia, California 94510

(707) 747-2757
FAX (707) 747-2765

CLIENT: Paul Graff
AEGIS Environmental Consultants, Inc
1050 Melody Ln. Ste.160
Roseville, CA 95678

Lab Number : ED-0239-3
Project : 90-007 1061 Eastshore
Hwy, Albany, CA
Analyzed : 05/07/92
Analyzed by: AZ
Method : As Listed

REPORT OF ANALYTICAL RESULTS

Page 1 of 1

SAMPLE DESCRIPTION	MATRIX	SAMPLED BY	SAMPLED DATE	RECEIVED
Sample #3 - Below Dispenser Island - 1' Bgs	Soil	Mike Kitko	05/04/92	05/05/92
CONSTITUENT	(CAS RN)	*PQL mg/Kg	RESULT mg/Kg	NOTE
FUEL FINGERPRINT ANALYSIS				1,2,3
Benzene	(71432)	0.005	ND	
Toluene	(108883)	0.005	ND	
Ethylbenzene	(100411)	0.005	ND	
Xylenes		0.005	ND	
1,2-Dichloroethane (EDC)	(107062)	0.005	ND	
Ethylene Dibromide (EDB)	(106934)	0.005	ND	
Total Petroleum Hydrocarbons (Gasoline)		0.5	ND	
Total Petroleum Hydrocarbons (Diesel 2)		0.5	ND	
BTX as a percent of fuel			Not Appl.	
1,2-Dichloroethane-d4 (Surrogate)			36.6	
Toluene-d8 (Surrogate)			39.0	
p-Bromofluorobenzene (Surrogate)			33.9	

Benicia Division Lab Certifications: CAELAP #1719; L.A.Co.CSD#10185

*RESULTS listed as 'ND' were not detected at or above the listed PQL (Practical Quantitation Limit)

- (1) ANALYZED by CAL DHS DRAFT TPH (modified) and EPA 8260 (GC/MS)
- (2) EXTRACTED by EPA 5030 (purge-and-trap)
- (3) Surrogates were spiked at 0.040mg/Kg

05/08/92
INCO5 50-387
MH/trk/htc
BDE0711

Respectfully submitted,
COAST-TO-COAST ANALYTICAL SERVICES, INC.

Mary Havlicek
Mary Havlicek, Ph.D.
President

Phone (916) 782 2110
 FAX (916) 786-7830

AEGIS Environmental Consultants, Inc.

Sample Identification/Field Chain of Custody Record

Send results to:
 Aegis Environmental
 1050 Melody Lane, Suite 160
 Roseville, CA 95678

300239

For Shell Projects Only
 WIC: _____
 AFE: _____
 CT/DL: _____
 Shell Engineer: _____
 Hazardous Materials Suspected? (yes/no)

Site Address: 1061 Eastshore Hwy, Albany, CA
 AEGIS Project #: 90-007
 Shipped By: M. Kitko
 Shipped To: Coast to Coast Analytical Laboratory
 Project Manager: Paul Graft

Sampling Point	Location	Field ID#	Date	Sample Type	No. of Containers	Analysis Required
5 feet below ground surface	Bottom of UST Excavation	Sample # 1	May 04, 1992	Brass/soil	1	TPH Oil & greases TPH-g, BTEX TPH-d
5 feet below ground surface	Below disperser Island	Sample # 2	May 04, 1992	Brass/soil	1	
1 foot bgs		Sample # 3	May 04, 1992	Brass/soil	1	
North side	stockpile No. 1	Sample # 4	May 04, 1992	Brass/soil	1	STLC for CAM 17 Metals
West side	stockpile No. 2	Sample # 5	May 04, 1992	Brass/soil	1	TCLP Extraction for EPA 418.1 Analysis
East side	stockpile No. 1	Sample # 6	May 04, 1992	Brass/soil	1	STLC for CAM 17 Metals
South side	stockpile No. 1	Sample # 7	May 04, 1992	Brass/soil	1	TCLP Extraction for EPA 418.1 Analysis.

Sampler(s) (signature) Michael Kitko

Field ID	Relinquished By (signature)	Received By (signature)	Date/Time	Comments
	<u>Michael Kitko</u>	<u>[Signature]</u>	May 04, 1992 4:45	

Sealed for shipment by: (signature) Michael Kitko Date/Time: May 04, 1992 4:45 Shipment Method: Carrier

Received for Lab by: (signature) _____ Date/Time: _____ Comments: Hold on Samples 4 and 5, 6

Samples 4 & 6 run STLC for CAM 17 Metals. Samples 5 & 7 run TCLP Extraction for EPA 418.1 Analysis.

5 day turn-around on samples 1, 2 and 3. DTG = TOTAL DTG GRAVIMETRIC & TPH-G/D = EP FILE

Receiving Laboratory: Please return original form after signing for receipt of samples.
 White/Original Yellow/Lab Copy Pink/1 file Copy

DATE/TIME = JUN-04 08:12

JOURNAL NO. = 13

COMM.RESULT = OK

PAGES = 15

DURATION = 00:07'55

MODE = XMT

STATION NAME =

TELEPHONE NO. = T 15104470499

RECEIVED ID = 5104470499

RESOLUTION = STANDARD

ATTACHMENT E
TANK DISPOSAL INFORMATION

INVOICE P. 2 PAGE 1



ERICKSON

FROM:

OSCAR E. ERICKSON, INC.
255 PARR BOULEVARD
RICHMOND, CA 94801
(510) 235-1393

TO:

2498

M&M EQUIPMENT
452 MANN-NULTE RIDGE
CHICO, CA 95926

PLEASE REMIT TO	
255 PARR BOULEVARD RICHMOND, CA 94801	
INVOICE NO.	78494-0-00
INVOICE DATE	05/19/92
P.O. CONTRACT NO.	-
RELEASE NO.	-
TERMS	C.O.D.

SITE: 1061 EASTSHORE AVE. E.C. BUEHRER ALBANY

SALESPERSON	JOB END DATE	JOB DESCRIPTION	TRANSPORT & DISPOSE OF 1-1K GAS F.G. TANK				
KBR	05/07/92						
DESCRIPTION OF SERVICES			SHIFT	QUANTITY	UNIT	BILL RATE	* EXTENDED AMOUNT
Non-operated Equipment & Services TANK IS F.G. INSTEAD OF STEEL				1.00	EA	100.00	100.00
Non-operated Equipment & Services Subtotal							100.00*
Bid							
Bid Subtotal							750.00*
NOTE: DELINQUENT ACCOUNTS ARE SUBJECT TO A CHARGE OF 1.5% PER MONTH (ANNUAL 18%)							
				850.00		.00	
			NON-TAXABLE SUB-TOTAL	TAXABLE SUB-TOTAL	TAX RATE	SALES TAX	TOTAL INVOICE
							850.00

* H = SUBJECT TO HANDLING CHARGE

50048297
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1210100614465648297	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address EC BURNER BERKELEY 94710 1061 EAST SHORE AVE ALBANY		4. Generator's Phone (SP) 527-1161	A. State Manifest Document Number 90648297	B. State Generator's ID
5. Transporter 1 Company Name ERICKSON INC.		6. US EPA ID Number CA100009466392	C. State Transporter's ID 705702	D. Transporter's Phone 510-235-1393
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 Erickson, Inc 255 Parr Blvd Richmond, Ca: 94801		10. US EPA ID Number CA100009466392	G. State Facility's ID CA100009466392	H. Facility's Phone (510) 235-1393
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solids:		001TP	1500	P
b.				
c.				
d.				
1. Additional Descriptions for Materials Listed Above Qty: 1 Empty Storage Tank (s) 360 gal Tank (s) have been inerted with 15 lbs. Dry Ice per 1000 Gal Capacity		2. Handling Codes for Wastes Listed Above 99		
16. Special Handling Instructions and Additional Information Keep away from sources of ignition: Always wear hardhats when working around U.S.T.'s 24 Hr. Contact Name MICHAEL M'DONOUGH Phone 916-343-2502 EMERGENCY MOBIL 520-4270				
17. 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 MICHAEL F MCDONOUGH		Signature <i>[Signature]</i>		Month Day Year 0150492
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name TERRY E. BROWN		Signature <i>[Signature]</i>		Month Day Year 1050492
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 DONALD A. ROSSON				
Signature <i>[Signature]</i>		Signature <i>[Signature]</i>		Month Day Year 0506492