

Ms. Juliet Shin  
Alameda County Health Agency  
Department of Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

April 14, 1994  
Project No. 653.08

**SUBJECT: PRELIMINARY SITE ASSESSMENT WORKPLAN  
CHILD CARE CENTER SITE - MEMORIAL PARK**  
1325 Portland Avenue, Albany, California

Dear Ms. Shin:

On behalf of the City of Albany, Harlan Tait Associates (HTA) is pleased to submit for your review and approval the enclosed Preliminary Site Assessment Workplan for evaluation of possible groundwater contamination in the area of the removed underground heating oil tank at the Child Care Center site in Albany, California. This document is being submitted in response to the December 9, 1993, letter from the Alameda County Department of Environmental Health to the City of Albany requesting further assessment of the site. Upon receipt of your written approval, HTA and the City of Albany will implement the Workplan. A drilling contractor and drilling date will be selected upon plan approval.

If you have any questions or require additional information, please call the undersigned or Jason Baker at the City of Albany (510) 528-5760. Your prompt review of the Workplan would be appreciated.

Very truly yours,

HARLAN TAIT ASSOCIATES



David H. Connell  
Civil Engineer 24634  
Expires 12/31/93

Enc: Preliminary Site Assessment Workplan

cc: City of Albany, ATT: Jason Baker (1 copy)

ALCO  
HAZMAT  
94 APR 15 PM 2:20

**PRELIMINARY SITE ASSESSMENT WORKPLAN**

**CHILD CARE CENTER  
MEMORIAL PARK, PORTLAND AND CARMEL AVENUES  
ALBANY, CALIFORNIA**

prepared for

**CITY OF ALBANY  
DEPARTMENT OF PUBLIC WORKS  
1000 SAN PABLO AVENUE  
ALBANY, CALIFORNIA 94706**

by

**HARLAN TAIT ASSOCIATES**

Project No. 653.08

April 14, 1994

The Preliminary Site Assessment Workplan presented herein has been prepared in response to the Notice of Violation letter by the Alameda County, Health Care Services Agency, Department of Environmental Health (ACDEH) dated December 9, 1993. The scope of the Workplan presented was developed as a result of conversations with Mr. Jason Baker of the City of Albany, Department of Public Works, to respond to the ACDEH letter. The Workplan conforms to the methodology required by the State of California Water Resources Control Board's Leaking Underground Fuel Tank (LUFT) Manual (revised August 1990) including Staff Recommendations dated August 8, 1991, for assessing and reporting soil and groundwater quality contamination associated with closure of underground storage tanks.

The Preliminary Site Assessment Workplan presented herein was prepared by a State of California Registered Civil Engineer who has five or more years of professional experience in groundwater hydrology.



David H. Connell  
Civil Engineer 24634



P:\600\653-08.D3  
DHC:GB\RHY

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## I. INTRODUCTION

This document presents the Preliminary Site Assessment Workplan for evaluation of groundwater contamination at the location of the former 1500-gallon underground heating oil storage tank at Memorial Park in Albany, California. The Child Care Center and the Park are located northwest of the intersection of Portland and Carmel Avenues. The former tank and new Child Care Center locations are shown on Figure 1, Site Plan, and the site location is shown on Figure 2. The owner of the site is the City of Albany. The contact person for the City is Jason Baker, 1000 San Pablo Avenue, Albany, California, (510) 528-5760. The lead Investigating Agency is the Alameda County, Health Care Services Agency, Department of Environmental Health (ACDEH).

The tank was excavated and removed from the site, and disposed of as hazardous waste on June 23, 1993. The SEMCO tank removal report is included as Appendix A.

This Workplan is presented in response to a letter from the ACDEH to the City of Albany dated December 9, 1993, included as Appendix B. The purpose of this study is to evaluate the vertical and lateral extent of any groundwater contamination by obtaining and testing groundwater samples for petroleum hydrocarbon compounds in the proximity of the location of the former tank. This Workplan describes the methods and procedures to be utilized for collecting and analyzing samples of soil and groundwater.

## II. PRELIMINARY REPORT

### A. Site Description

The Child Care Center site is presently occupied by improvements consisting of a one-story wood-frame building with a concrete slab-on-grade floor surrounded by landscape and lawn areas, asphaltic concrete driveways and walkways and other buildings. A 1500-gallon underground heating oil tank was located approximately 60 feet east of the Veterans Building. It appears that the tank fueled a boiler in the basement of the northeastern corner of the Veterans Building. The approximate location of the vent and piping are shown on Figure 1. The new Child Care Center building now covers the old tank site.

Construction for the Child Care Center began in June 1993. After clearing, the building area was excavated to a depth of about 4 feet below slab grade to remove expansive soils as shown on Figure 1. During this excavation, the filler pipe for the tank was found. Construction on the Child Care Center stopped and excavation to locate and remove the tank began. Tank and piping removal and disposal is discussed in detail in Sections C and D below and in the SEMCO report (Appendix A). After tank removal, the tank and building excavation was backfilled with imported clayey gravelly sand material compacted in accordance with the geotechnical engineer's recommendations. Building construction resumed and, as of this date, the building is almost completed. The building should be completed and ready for use in May 1994.

The Veterans Building was constructed in about the 1920s. The date the boilers were removed and tank use stopped is unknown; it is estimated to be at least 40 to 50 years ago. The existence of the tank was not known to City of Albany personnel prior to building construction.

### B. Physical Setting

The site is located on an alluvial plain east of the San Francisco Bay and west of the Berkeley Hills. The site is underlain by older alluvial fan deposits derived from the hills to the east. Based on the Rogers/Pacific investigation (March 1992) and observations of the tank excavation wall, the site was underlain by about 4 feet of silty clay fill over alluvial deposits consisting of sandy and silty clay and silty gravels. Weathered and fractured

serpentine bedrock was encountered at a depth of about 20 feet in Boring No. 1. Serpentine bedrock was encountered at depths ranging from about 16 to 20 feet in the tank excavation. Some of the serpentine could not be excavated with a backhoe. The site is approximately 1 mile southwest of the Hayward fault. There are no known active faults traversing the site.

The site and surrounding area slope gently to the southwest. The ground surface adjacent to the building is at about Elevation 86 feet (MSL). The ground surface in the Memorial Park area of Albany generally slopes down gradually in a westerly direction toward the San Francisco Bay (see Figure 2).

Groundwater was encountered in the three Rogers/Pacific borings at depths between 8 and 15 feet below the ground surface. After tank removal and excavation of contaminated soils, some water was ponded in the bottom of the excavation at a depth of about 20 feet. Rogers/Pacific stated that groundwater appears to be perched in the gravel layers in the alluvium. During tank removal excavation, very little water seeped into the excavation from the side walls. We judge that any shallow groundwater is probably perched on the bedrock surface above a depth of about 15 to 20 feet.

*? What borings are these?*

We reviewed files of the State of California Department of Water Resources and Zone 7 of the Alameda County Flood Control District to identify wells located within the site area. Figure 2 illustrates the locations of these wells. Table 1 lists completion details for each well. As shown on Figure 2, the available groundwater data shows that the gradient generally follows the ground surface and slopes down to the west. About 2000 feet west of the site, Albany Hill acts as a groundwater barrier causing the groundwater to flow north toward Cerrito Creek or south toward Codornices Creek.

### C. Tank Excavation, Removal and Disposal

The tank was removed on June 23, 1993, by SEMCO, Environmental and General Engineering Contractors. The tank was full of a mixture of water and heating oil (proportions unknown) and the fluid extended up into the fill pipe. After the fluid was removed and the tank inerted, it was removed from the ground. Discolored green and black soil was visible in the excavated material and on the sides of the excavation. After sampling and testing of the excavation walls as described below, SEMCO submitted a workplan to the ACDEH for removal of contaminated soils. Between June 24 and July 1,

1993, discolored soils from the excavation walls and stockpile materials were removed from the site and transported to REMCO for disposal. The tank was transported to Erickson, Inc. for disposal; the fluid removed from the tank was transported by Allied Petroleum for disposal. Approximately 10 holes were observed in the tank after removal. The excavation was then filled with compacted imported material. Details of tank, soil and fluid removal, and the condition of the removed tank, are given in the SEMCO tank removal report (Appendix A).

D. Soil Sampling and Analyses

Following tank removal, samples of soil from the sides of the tank excavation and from below the product lines to the Veterans Building were taken and tested for total petroleum hydrocarbons as diesel (TPH-D) and benzene, toluene, ethylbenzene, and xylene (BTEX). Concentrations of TPH ranged from less than 10 to 590 parts per million (ppm) and toluene, ethylbenzene and xylenes were detected in several samples in the 5 to 56 parts per billion (ppb) range. After removal of additional soil from the excavation, four soil and one water samples were taken and tested. Soil samples had non-detectable levels of TPH and BTEX; the water sample had 320 ppb TPH, and BTEX was not detected. Sample testing was performed by Superior Precision Analytical, Inc. laboratories, San Francisco, California. The tank removal report including analytical results and chain-of-custody record, is presented in Appendix A.

### III. SITE ASSESSMENT WORKPLAN

#### A. Introduction

The following is the proposed Workplan for evaluating groundwater contamination in the area of the removed heating oil tank. Phase 1 will involve collecting and analyzing groundwater samples from the tank area to evaluate if uppermost groundwater at the site is contaminated with petroleum hydrocarbons. Phase 2 will involve writing and submitting to the LIA a Preliminary Investigation and Evaluation Report (PIER) which will summarize the field and laboratory operations conducted, methods and procedures used, the data obtained, and conclusions and recommendations based on the findings of the assessment.

The contamination Workplan will be conducted under the supervision of a State of California Registered Civil Engineer, who has five or more years of professional experience in groundwater hydrology.

#### B. Phase 1

Necessary drilling permits will be obtained, and the ACDEH and Zone 7 personnel will be notified to observe all groundwater and soil sampling operations for Phase 1. All personnel working on this project will be health and safety trained in accordance with State of California and Federal OSHA regulations.

Only testing of groundwater samples is planned. We propose to obtain "grab" groundwater from boreholes drilled at the three locations shown on Figure 1. The hole locations were selected based on access by drilling equipment, proximity to the removed tank but outside the new Child Care Center building, and in a general downgradient direction. We propose to obtain "grab" samples and not install wells to evaluate whether the groundwater has been affected. The tank was found to be full of fluid at the time of removal, with the fluid level in the fill pipe above the groundwater level; this indicates that tank leakage was probably minor. In addition, heating oil is not very mobile and the TPH-D concentration in the pool water sample was low, further indicating that groundwater may not have been affected. If detectable concentrations of hydrocarbons are found in the "grab" samples, then the installation of and sampling from wells will have to be considered.



Observations and analytical testing during tank removal indicates that any contaminated soil was removed during tank removal and therefore no testing is planned on soil samples. We propose to drill using a hollow-stem auger and obtain water samples using a bailer from the holes. Because of the gravelly soils and bedrock encountered in the Rogers/Pacific borings and observed in the tank excavation, use of a portable minuteman rig, a cone penetrometer, or hydropunch or BATT water sampling equipment is not practical. The boreholes will be filled with a cement grout tremied from the bottom.

1. Soil and Groundwater Sampling

Retain a drilling contractor with a C-57 water well license to drill three borings with a hollow-stem auger at the locations shown on Figure 1. The subsurface stratigraphy will be logged and the depth of first encountering groundwater and the depth of groundwater after completion of drilling will be measured. Obtain soil samples at about 5 foot intervals in each hole. Soil samples will be collected in a minimum 1-inch diameter by 3-inch long brass liner filled sufficiently so that no headspace is present in the liner. Both ends of the liner will be covered with aluminum foil and plastic end caps, labeled, logged on a chain-of-custody form, and placed in an ice chest to be kept at 4°C during transport to the analytical laboratory.

"Grab" water samples will be obtained using a downhole bailer when the borehole is completed to a depth of about 20 to 22 feet. Water samples will be transferred from the bailer to one-liter glass bottles and 40 ml glass vial sample containers supplied by the laboratory. Each container will be filled completely with no headspace. Following transference, each sample container will be labeled, logged on a chain-of-custody form, and placed in an ice chest to be kept at 4°C during transport to the analytical laboratory.

Prior to initial and between subsequent use, all drilling equipment will be steam-cleaned and sampling equipment will be field decontaminated by washing in a mixture of Alconox and clear water, rinsing in clear water, rinsing in distilled water, and allowing to air dry.

Soil cuttings from the drilling, generated rinsate and wash waters will be placed in DOT approved 55-gallon capacity steel drums, marked, and securely stored at the Site. Final disposition will be based in part on confirmation sample analyses.

2. Analyses

All analyses will be conducted by Superior Precision Analytical, Inc., San Francisco, California (State of California Certification Nos. 1332 and 1542). The proposed analytical protocol for groundwater samples is presented on Table 2. The proposed analytical protocol is the minimum verification analyses for water with respect to heating oil contamination assessment as listed on Table 2 in the LUFT Manual (revised August, 1990).

Analyze three groundwater samples (one from each hole) and a blank water sample (for QA/QC) for TPH-D and BTEX.

C. Phase 2

A Preliminary Investigation and Evaluation Report will be prepared summarizing field and laboratory methods used, data obtained, and conclusions and recommendations. The document will contain:

- A complete description of the conduct of Phases 1 and 2;
- Plan maps;
- Tables summarizing soil and groundwater analytical data;
- Conclusions based on generated data;
- Recommendations for further assessment work, if necessary; and
- Recommendations for further soil and groundwater remediation work, if necessary.

# TABLES

**TABLE 1**

**WELL COMPLETION DETAILS  
AREAL IRRIGATION AND OTHER WELLS**

Well/Owner	Use	Date Completed	Depth (Feet)	Perforations (Inches)
1 El Cerrito High School	Irrigation	1951	65	Unknown
2 PG&E	Cathodic	1973	76	NA
3 PG&E	Cathodic	1976	120	NA
4 PG&E	Cathodic	1973	75	NA
5 PG&E	Cathodic	1976	120	NA
6 Shell Oil Co. 7 wells	Monitoring	1990	12 to 16	0.02
7 Firestone 4 wells	Monitoring	1990	12 to 15	0.01
8 Troxell Auto Body, 3 wells	Monitoring	1990	20	0.02
9 Plaza Car Wash, 3 wells	Monitoring	1989	15 (approx)	Unknown
10 Mobil Gas Station, 3 wells	Monitoring	1985	20 (approx)	Unknown

**TABLE 2**

**ANALYTICAL PROTOCOL  
GROUNDWATER SAMPLES**

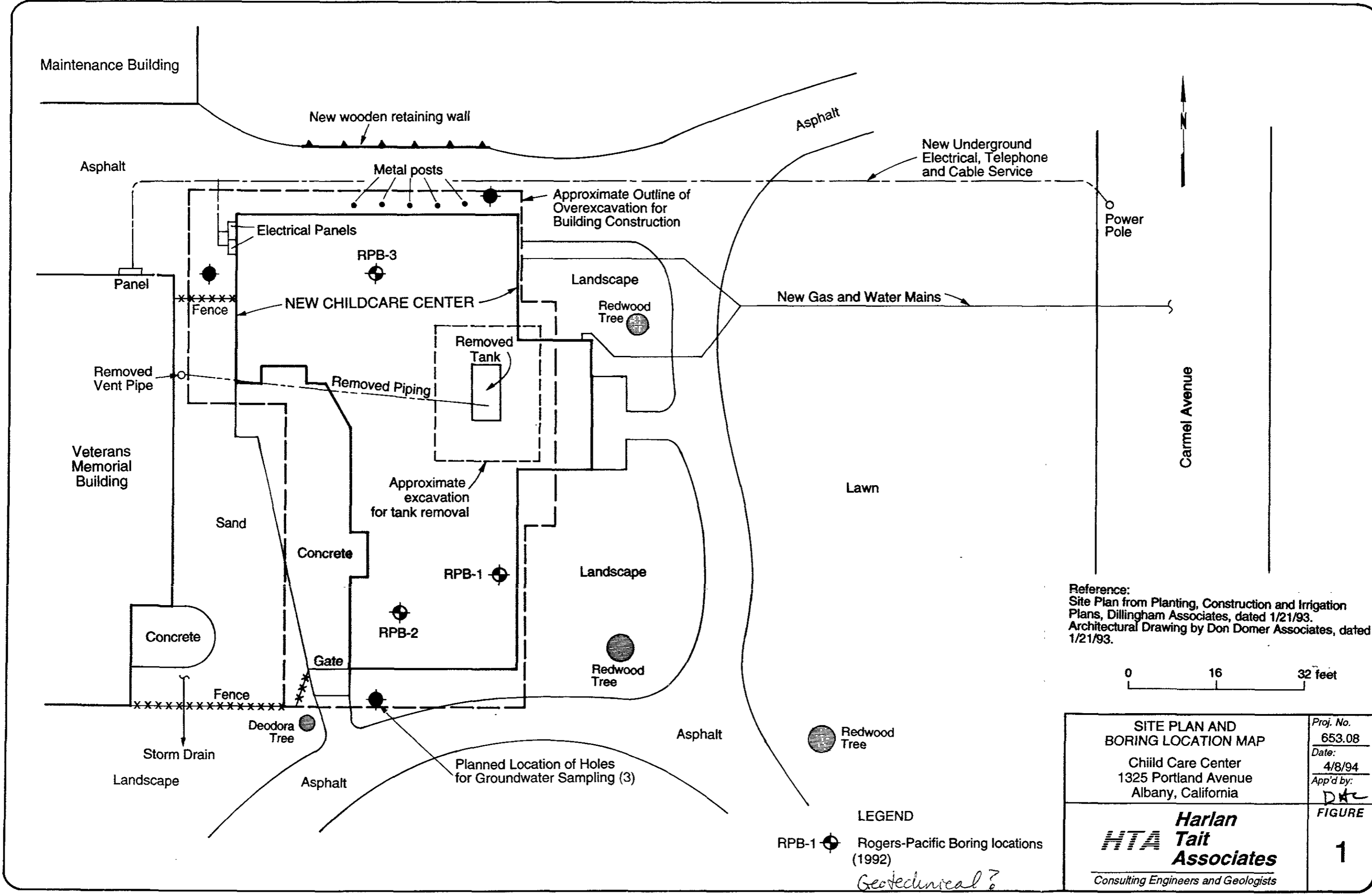
<b>Analyses</b>	<b>Container</b>	<b>Analytical Method</b>	<b>Minimum Detection Limit</b>
TPH-D	1 Liter Glass Bottle	EPA 8015	50 ug/l
BTXE	40 Milliliter Glass Vial	EPA 602	0.0003 mg/l

Notes:

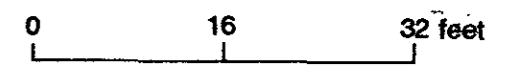
TPH-D          Total Petroleum Hydrocarbons - Diesel Fraction

EPA Standards are as presented in USEPA "Test Methods for Evaluating Solid Wastes," SW-846, Third Edition, November 1986, revised December 1987.

# FIGURES

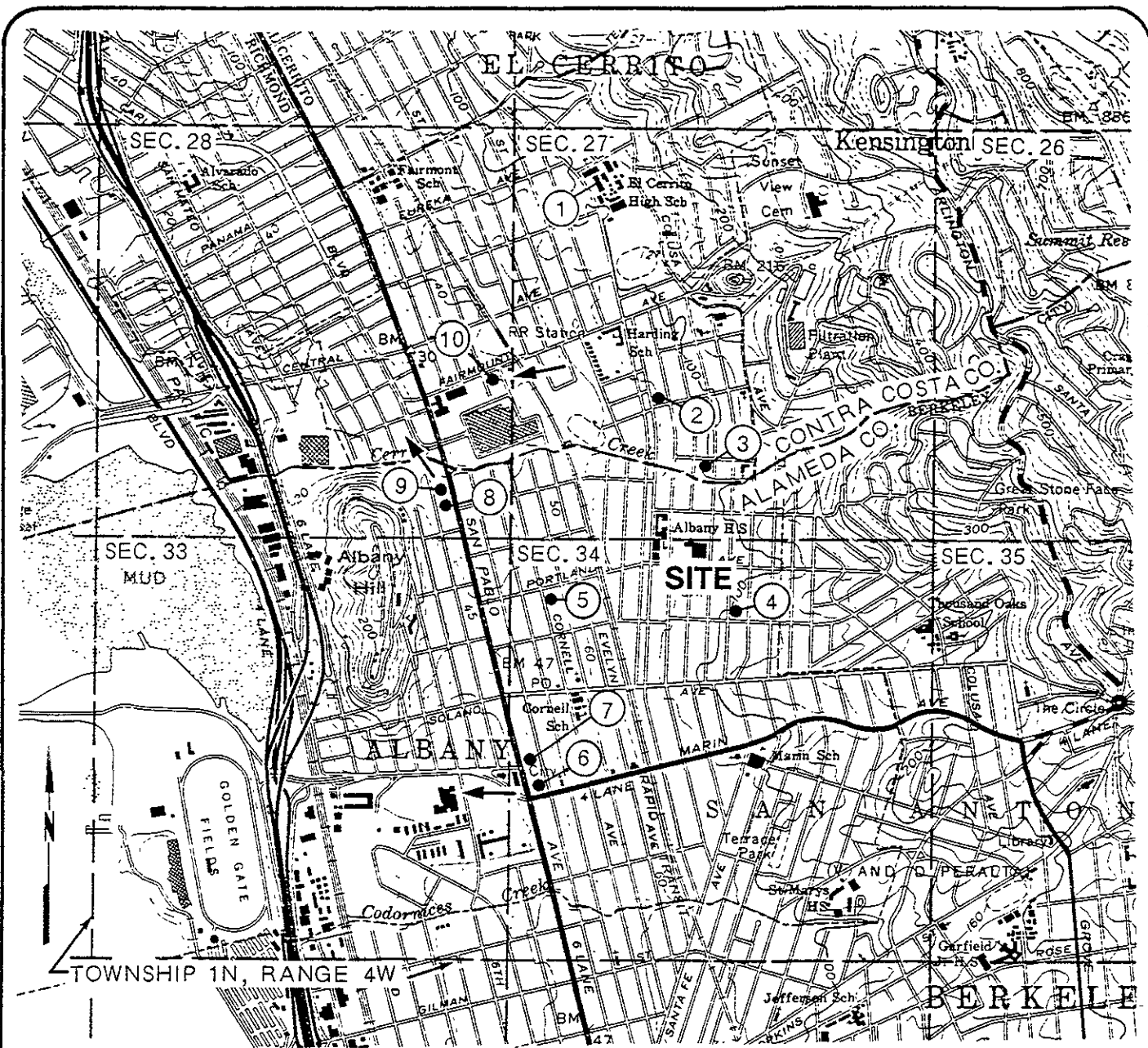


Reference:  
 Site Plan from Planting, Construction and Irrigation  
 Plans, Dillingham Associates, dated 1/21/93.  
 Architectural Drawing by Don Domer Associates, dated  
 1/21/93.



<b>SITE PLAN AND          BORING LOCATION MAP</b>  Child Care Center 1325 Portland Avenue Albany, California	Proj. No. 653.08
	Date: 4/8/94 App'd by: <i>DAC</i>
 <b>Harlan          Tait          Associates</b> Consulting Engineers and Geologists	FIGURE  <b>1</b>

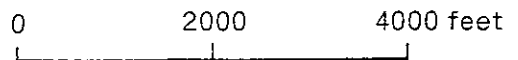
LEGEND  
 RPB-1 Rogers-Pacific Boring locations  
 (1992)  
*Geotechnical?*



LEGEND

- ⑩ • Well location (see text for details)
- ← Shallow groundwater downgradient direction (when available)

Reference: USGS 7.5' Richmond Quadrangle, 1980



**HTA** Harlan  
Tait  
Associates

Consulting Engineers and Geologists

VICINITY AND WELL LOCATION MAP

Child Care Center  
1325 Portland Avenue  
Albany, California

FIGURE

2

Proj. No. 653.08

Date: 4/8/94

App'd by: DHC



# **APPENDIX A**

1

S E M C O  
ENVIRONMENTAL CONTRACTORS & GENERAL ENGINEERING  
1741 LESLIE STREET  
SAN MATEO, CALIFORNIA 94402

March 24, 1994

MAR 25 1994  
FHA

Eva Chu  
Alameda County  
Environmental Health Department  
80 Swan Way  
Oakland, California 94621

Re: Tank Removal Report, 1325 Portland Avenue, Albany

Dear Eva:

Please find enclosed, a copy of the tank removal report for the above mentioned address.

If you have any questions, please give me a call.

Respectfully

  
Rhonda Reames-Kiper  
SEMCO-SAN MATEO

cc: Jason Baker, City Of Albany  
Dave Connell, Harlan Tait  
Files

---

License # 449864  
A,B, C-61/D40  
Hazardous Substances Certification

(800) 831-2344  
(415) 572-8033  
(415) 572-9734 FAX

**S E M C O**  
ENVIRONMENTAL CONTRACTORS & GENERAL ENGINEERING  
1741 LESLIE STREET  
SAN MATEO, CALIFORNIA 94402

## TANK REMOVAL REPORT

### PREPARED FOR:

ALAMEDA COUNTY  
ENVIRONMENTAL HEALTH DEPARTMENT  
80 SWAN WAY  
OAKLAND, CALIFORNIA 94621

### SITE ADDRESS:

1325 PORTLAND AVENUE  
ALBANY, CALIFORNIA

---

License # 449864  
A,B, C-61/D40  
Hazardous Substances Certification

(800) 831-2344  
(415) 572-8033  
(415) 572-9734 FAX

## 1.0 INTRODUCTION

In this report, we are presenting a detailed account of the tank removal field activities at Memorial Park Albany, located at 1325 Portland Avenue, Albany, California. All work was performed by SEMCO San Mateo and was done in compliance with the County of Alameda and the Albany Fire Department. The tank removal occurred on June 23, 1993.

Re- Excavation activities and confirmation sampling occurred on June 29 and June 30, 1993. Soil disposal occurred between the dates of June 24, 1993 and July 1, 1993

## 2.0 EXCAVATION

On June 23, 1993, SEMCO excavated the site to a depth of 13 feet, a width of 8 feet and a length of 11 feet. At the time the tank was exposed, the soil adjacent to the tank was removed and stockpiled and noted as being a discolored green to black. Approximately 2'-2.5' of soil was removed from underneath the tank. The soil above the tank was a clay type soil, while fractured bedrock was found beneath the tank position.

## 3.0 TANK REMOVAL

On June 23, 1993, SEMCO removed one (1) 1500 gallon tank. The tank contained heating oil (diesel) and water, of which 1570 gallons was removed and transported along with 50 gallons of rinsate on Manifest # 93266822, by Allied Petroleum.

The tank was inerted after the product was removed by a hot water detergent wash and followed with 100 pounds of dry ice until a level of 5% oxygen and 0% LEL was reached.

Once the tank was removed, the condition was noted as having approximately ten (10) 2" - 3" holes, one (1) large hole a foot from the bottom and some rotted rivets. The tank was transported by Rich Hamilton Trucking to Erickson, Inc. on manifest # 92831166.

Because of the obvious presence of contamination in the excavation and stockpiled soil, REMCO ( a State Certified Recycle Center ) was contacted to come to the site and characterized the soil for disposal.

There appeared to be a tar like substance coming from the East wall and a sample would need to be taken from this area along with the other sampling.

#### 4.0 SAMPLING

Soil samples were retrieved from the excavation by use of the backhoe bucket. Clean brass samples tubes were used by pushing them into the soil until a full sample was attained. The ends of the tube were covered with teflon tape and sealed with plastic end caps. All samples were labeled, placed in a cooler with blue ice and entered onto a chain of custody form.

All samples were taken to Superior Precision Analytical, a State Certified laboratory.

One sample was collected from the Bottom of the pit at the South side at 20'. One was collected from the sidewalls at the NE end at 16.5', the South at 12' and the SE at 12'. Samples were also collected from the product line in three areas: one at the product return at 13.5' and two at the product suction at 13' and 12' ( see attached map). These samples were analyzed on a "Same Day" basis, and run for TPH as diesel and BTXE.

Upon receipt of the analytical, it was determined that further excavation would be necessary.

Based on the fact that the City of Albany had time constraints and contract deadlines to meet, the process of re-excavation was expedited and the soil was qualified into REMCO based on their immediate acceptance of this material and the process in which it was handled. ( see attached information regarding REMCO)

#### 5.0 RE-EXCAVATION ACTIVITIES

June 24, 1993

SEMCO transported 123.21 tons of the contaminated stockpiled soil to REMCO Recycle Center in Richmond for disposal.

June 25, 1993

A work plan was submitted to Kevin Tinsley of Alameda County Environmental Health Department for additional excavation work that would be needed.

June 28, 1994

Because the product line running from the tank (excavation) to the County Veterans building contained product, it was necessary to void the line and pump the product into barrels. The product was pumped and disposed of by Evergreen Environmental on manifest # 93292388.

SEMCO\CITY OF ALBANY\93-3902\MARCH 1994

Page 3

At this time, the piping which extended from the County Veterans building to the excavation was removed. The piping that extended into the building would be cleaned and capped off.

At the same time, the additional excavation was being accomplished on the tank pit. Samples would be done the following day.

June 29, 1993

The excavation continued.

The piping into the building was flushed and rinsed. Upon visual inspection by Alameda County Environmental Health Department, the line was then capped. The trench soil appeared to be clean. There was a large pit where the piping had connected to the tank and exhibited contaminated and stained soil. This area would be excavated after the trench was backfilled and confirmation samples would be collected after obvious contamination was removed.

248.03 tons of soil was excavated and transported to REMCO for disposal.

Due to the presence of water in the excavation, a water sample was collected at the 20' level. Two sidewall samples were collected. One from the NE sidewall at 15' and the SE sidewall at 15'. These samples were run on a Rush Basis for TPH as diesel and BTXE.

The analytical resulted in non detectable levels in the excavation. The water had 320 ppb diesel

June 30, 1993

The final portion of the excavation was completed. The upper portion of the trench was sampled. These samples were run on a Rush Basis for TPH as diesel and BTXE. The results of these samples were all non detected.

90.76 tons of soil was transported to REMCO for disposal.

July 1, 1993

The last load of soil was transported to REMCO - 19.77 tons. The total amount of soil that was disposed of was 481.77 tons ( see attached tags ).

This report is for your files. If you have any questions, please give me a call.

Sincerely,

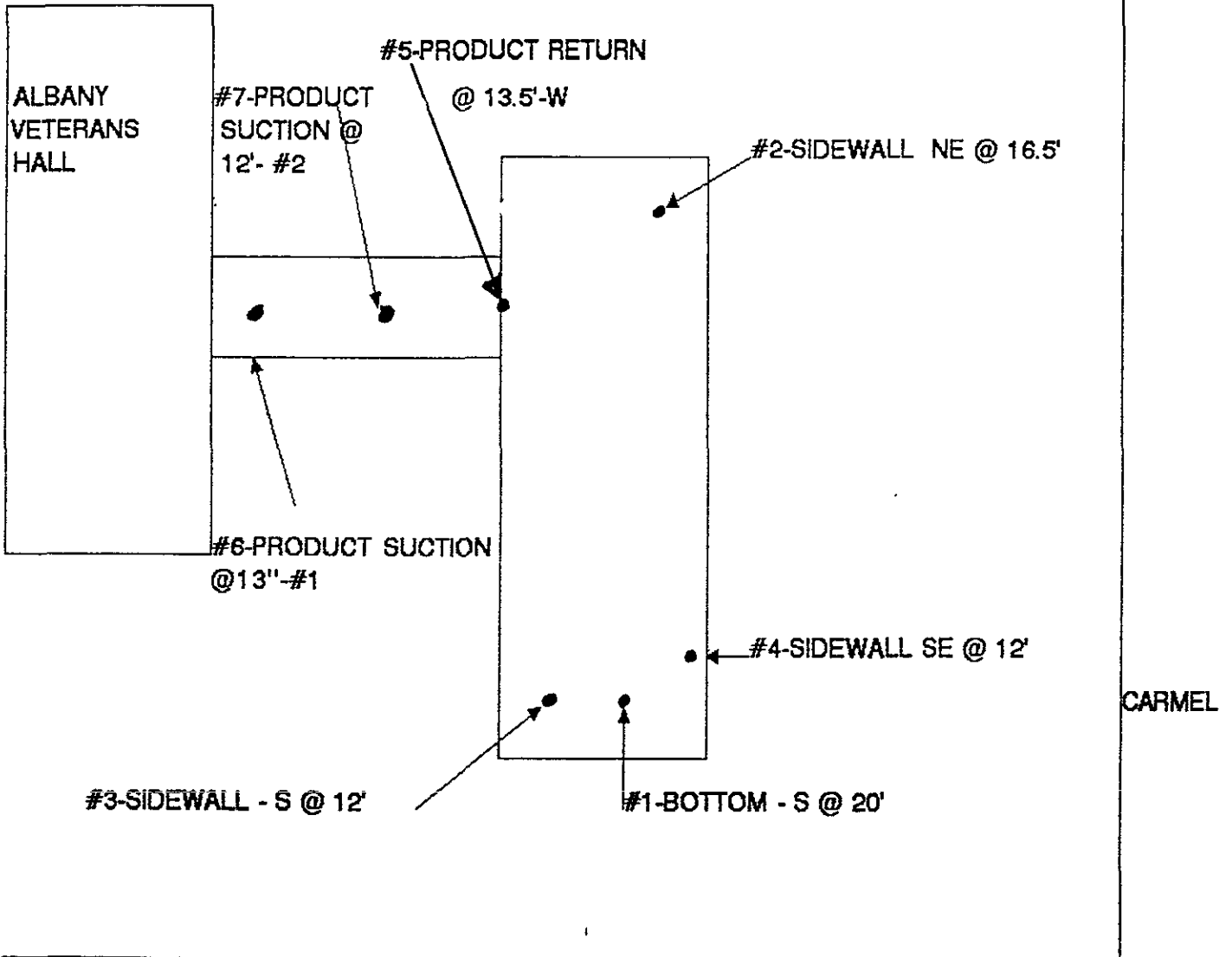
  
Rhonda Reames-Kiper

SEMCO-SAN MATEO

SEMCO\CITY OF ALBANY\93-3092\MARCH 1994

BASEBALL  
DIAMOND

FENCE



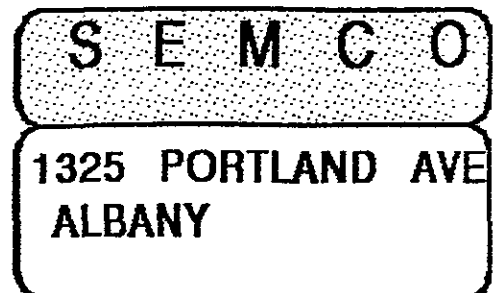
PORTLAND AVENUE

**SAMPLES TAKEN**

6-23-93



NOT TO SCALE



# S E M C O

## SOIL/GROUND WATER SAMPLING DATA FORM

Underground Storage Tank Site Address: 1325 PORTLAND AVENUE, ALBANY

Business Site Name: N/A

Description Sample ID (Specify location; i.e., tank, pipe, stockpile) and number	Sample Depth (Indicate depth of sample from grade)	Media (soil/water)	Date (Date sample was collected)	Soil Type (specify if sand, clay, fill, etc.)	Laboratory Results*, express in mg/kg unless otherwise specified									
					TPHg	TPHd	B	T	E	X	Lead	TOG	Cl HC	Other
(Example) Tank #1, east end, #T1-E12.5	12.5 feet	soil	2/29/93	sand	14		0.003	0.01	ND	ND	2.2			
#1 - BOTTOM - S @ 20'	20 Feet	SOIL	6/23/93	CLAYEY		14	ND	ND	ND	ND				
#2 - SIDEWALL - NE @ 16' 5"	16.5 Feet					220	ND	.005	.008	.056				
#3 - SIDEWALL - S @ 12'	12 Feet					62	ND	ND	ND	ND				
#4 - SIDEWALL - SE @ 12'	12 Feet					590	ND	ND	ND	.051				
#5 - PROD. RETURN @ 13' 5" - W	13.5 Feet					ND	ND	ND	ND	ND				
#6 - PROD. SUCTION 13' #1	13 Feet					ND	ND	ND	ND	ND				
#7 - PROD. SUCTION @ 12' #2	12 Feet	✓	↓	↓		ND	ND	ND	ND	ND				

TPHg = Total Petroleum Hydrocarbon as Gasoline  
 BTEX = Benzene, Toluene, Ethylbenzene, Xylene  
 Cl HC = Chlorinated hydrocarbon compounds

TPHd = Total Petroleum Hydrocarbon as Diesel  
 TOG = Total Oil and Grease  
 Other = Semivolatile organic compounds, heavy metals, etc.

List additional analytical results and/or additional samples on a separate sheet

Submit this form as part of the closure final report. Attach soil/ground water sampling location map.





Received

SEMCO  
Attn: CHUCK KIPER

Project 1325 PORTLAND AVE. ALBANY  
Reported 06/23/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
56668- 1	BOTTOM S-20'	06/23/93	06/23/93 Soil
56668- 2	SIDEWALL-NE-16.5'	06/23/93	06/23/93 Soil
56668- 3	SIDEWALL-5-12'	06/23/93	06/23/93 Soil
56668- 4	SIDEWALL-SE-12'	06/23/93	06/23/93 Soil
56668- 5	PROD RETURN-13.5-W	06/23/93	06/23/93 Soil
56668- 6	PROD. SUCTION-13'-#1	06/23/93	06/23/93 Soil
56668- 7	PROD. SUCTION-12'-#2	06/23/93	06/23/93 Soil

RESULTS OF ANALYSIS

Laboratory Number: 56668- 1 56668- 2 56668- 3 56668- 4 56668- 5

Benzene:	ND<.003	ND<.003	ND<.003	ND<.015	ND<.003
Toluene:	ND<.003	.005	ND<.003	ND<.015	ND<.003
Ethyl Benzene:	ND<.003	.008	ND<.003	ND<.015	ND<.003
Xylenes:	ND<.009	.056	ND<.009	.051	ND<.009
Diesel:	14	220	62	590	ND<10
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Laboratory Number: 56668- 6 56668- 7

Benzene:	ND<.003	ND<.003
Toluene:	ND<.003	ND<.003
Ethyl Benzene:	ND<.003	ND<.003
Xylenes:	ND<.009	ND<.009
Diesel:	ND<10	ND<10
Concentration:	mg/kg	mg/kg



C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2  
QA/QC INFORMATION  
SET: 56668

NA = ANALYSIS NOT REQUESTED  
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT  
mg/kg = parts per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:  
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:  
Minimum Quantitation Limit for Diesel in Soil: 10mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:  
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE  
Minimum Quantitation Limit in Soil: 0.003mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Benzene:	87/88	1%	75-114
Toluene:	93/94	1%	78-114
Ethyl Benzene:	94/96	2%	76-120
Xylenes:	98/100	2%	71-117
Diesel:	89/91	2%	46-121

Richard Srna, Ph.D.

*Richard Srna*  
Laboratory Director

Section I

# CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. \_\_\_\_\_

Consultant Name SEMCO  
 Office Location 1741 Leslie Rd. San Mateo, CA 94402  
 Fax No. (415) 572-9734  
 Project Manager Chuck Kiper  
 Phone (415) 572 8033

TURN AROUND TIME  
 (Circle One)  
 Same Day \_\_\_\_\_ 72 Hrs \_\_\_\_\_  
24 Hrs \_\_\_\_\_ 5 Day \_\_\_\_\_  
 48 Hrs \_\_\_\_\_

**SUPERIOR ANALYTICAL, INC.**  
 Martinez San Francisco  
 415/229-1512 415/647-2081

Send Coolers to : Modesto  San Mateo

Sampler Semco

Project No. / P.O. No. 1325 Portland Ave., Albany 97-3092 Regulatory Agency Albany Fire

Section II		Analysis Request										Section III		Sample Information		
Sample Identification	S=Soil W=Water Matrix	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	O&G	8010	8240	Metals	Others * Subject to Subcontracting	Date	Time	Containers		Bioremediation <input type="checkbox"/>	Contamination <input type="checkbox"/>
													Quantity	Pres.		
1 Bottom S. -20'	S		X		X						6/23/93	150	1	/		
<del>2 ELEVATION 13.5</del>	<del>S</del>		<del>X</del>		<del>X</del>						<del>6/23/93</del>	<del>205</del>	<del>1</del>	<del>/</del>		
3 Sidewall-NE10.5'	S		X		X						6/23	220	1	/		
4 Sidewall-S-12'	S		X		X						6/23	225	1	/		
5 Sidewall-SE-12'	S		X		X						6/23	230	1	/		
6 Prod. Return-13.5'	S		X		X						6/23	205	1	/		
7 Prod. Section-13.5'	S		X		X						6/23	355	1	/	#1	taken 8' from wall
8 Prod Section-12.5'	S		X		X						6/23	400	1	/	#2	taken 28' from wall
9																
10																
11																
12																

Relinquished by [Signature]  
 Organization SEMCO

Date/Time 6/23/93  
4:58

Received by \_\_\_\_\_  
 Organization \_\_\_\_\_

Please Initial \_\_\_\_\_  
 Samples Stored in Ice \_\_\_\_\_  
 Appropriate Containers \_\_\_\_\_

Relinquished by \_\_\_\_\_  
 Organization \_\_\_\_\_

Date/Time \_\_\_\_\_

Received by \_\_\_\_\_  
 Organization \_\_\_\_\_

Samples Preserved \_\_\_\_\_  
 VOA's without Headpace \_\_\_\_\_

Relinquished by \_\_\_\_\_  
 Organization \_\_\_\_\_

Date/Time \_\_\_\_\_

Received by [Signature]  
 Organization [Signature]

Comments \_\_\_\_\_

BASEBALL  
DIAMOND

FENCE

SAMPLED 6-30-93

SAMPLED 6-29-93

ALBANY  
VETERANS  
HALL

#1-BOTTOM OF  
TRENCH @ 17'

#2-NE-SIDEWALL @ 15'

WATER  
1' DEEP

#1-H<sub>2</sub>O @ 20'

#2-BOTTOM SIDE OF  
TRENCH @ 13'

#3-SE-SIDEWALL @ 15'

CARMEL

EXCAVATION APPROXIMATELY 20' X 30'

PORTLAND AVENUE

S E M C O

1325 PORTLAND AVE  
ALBANY

NOT TO SCALE

# S E M C O

## SOIL/GROUND WATER SAMPLING DATA FORM

Underground Storage Tank Site Address: 1325 PORTLAND AVENUE, ALBANY

Business Site Name: N/A

Description Sample ID (Specify location; i.e., tank, pipe, stockpile) and number	Sample Depth (indicate depth of sample from grade)	Media (soil/water)	Date (Date sample was collected)	Soil Type (specify if sand, clay, fill, etc.)	Laboratory Results*, express in mg/kg unless otherwise specified									
					TPHg	TPHd	B	T	E	X	Lead	TOG	Cl HC	Other
(Example) Tank #1, east end, #T1-E12.5	12.5 feet	soil	2/29/93	sand	14		0.003	0.01	ND	ND	2.2			
#1 - PIT #20 @ 20'	20 Feet	WATER	6/29/94			320	ND	ND	ND	ND				
#2 - NE - SIDEWALK @ 15'	15 Feet	SOIL	↓	Clayey		ND	ND	ND	ND	ND				
#3 - S.E. - SIDEWALK @ 15'	15 Feet	↓	↓	↓		ND	ND	ND	ND	ND				

TPHg = Total Petroleum Hydrocarbon as Gasoline  
 BTEX = Benzene, Toluene, Ethylbenzene, Xylene  
 Cl HC = Chlorinated hydrocarbon compounds

TPHd = Total Petroleum Hydrocarbon as Diesel  
 TOG = Total Oil and Grease  
 Other = Semivolatile organic compounds, heavy metals, etc.

List additional analytical results and/or additional samples on a separate sheet

Submit this form as part of the closure final report. Attach soil/ground water sampling location map.

SEMCO  
Attn: CHUCK KIPERProject CITY OF ALBANY-93-3092  
Reported 07/02/93

## TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
56694- 1	PIT H2O-20'	06/29/93	07/01/93 Water
56694- 2	NE-SIDEWALL-15'	06/29/93	07/01/93 Soil
56694- 3	SE-SIDEWALL-15'	06/29/93	07/01/93 Soil

## RESULTS OF ANALYSIS

Laboratory Number: 56694- 1 56694- 2 56694- 3

Benzene:	ND<0.3	ND<.003	ND<.003
Toluene:	ND<0.3	ND<.003	ND<.003
Ethyl Benzene:	ND<0.3	ND<.003	ND<.003
Xylenes:	ND<0.9	ND<.009	ND<.009
Diesel:	320	ND<10	ND<10
Concentration:	mg/L	mg/kg	mg/kg



C E R T I F I C A T E   O F   A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2  
QA/QC INFORMATION  
SET: 56694

NA = ANALYSIS NOT REQUESTED  
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT  
mg/kg = parts per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:  
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:  
Minimum Quantitation Limit for Diesel in Soil: 10mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:  
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE  
Minimum Quantitation Limit in Soil: 0.003mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Benzene:	89/87	3	75-114
Toluene:	90/87	3	78-114
Ethyl Benzene:	91/90	2	76-120
Xylenes:	85/84	2	71-117
Diesel:	101/99	2	75-125

Richard Srna, Ph.D.

*Richard Srna (for)*  
Laboratory Director

36694

Section I

CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. \_\_\_\_\_

Consultant Name SEMCO  
 Office Location 1741 Leslie Rd. San Mateo, CA 94402  
 Fax No. (415) 572-9734  
 Project Manager Chuck Kiper  
 Phone (415) 572 8033

TURN AROUND TIME  
 (Circle One)  
 Same Day   
 24 Hrs   
 48 Hrs   
 72 Hrs   
 5 Day

SUPERIOR ANALYTICAL, INC.  
 Martinez San Francisco  
 415/229-1512 415/647-2081

Send Coolers to : Modesto  San Mateo   
 Project No. / P.O. No. City of Albany - 93-3092

Sampler Tina Soentgen  
 Regulatory Agency Alameda County Public Health

Section II										Analysis Request				Section III		Sample Information	
Sample Identification	S=Soil W=Water Matrix	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	OAG	8010	8240	Metals	Others * Subject to Subcontracting	Date	Time	Containers		Sampling Remarks		
													Quantity	Pres.	Bioremediation	Contamination	
1 Pit H <sub>2</sub> O - 20'	W		X								6/29	10:10	1	/	Hold until further notice. HOLD		
2 Pit H <sub>2</sub> O - 20'	W				X						6/29	10:10	4	Hol	Hold until further notice. HOLD		
3 NE-Sidewall-15'	S		X		X						6/29	10:00	1	/			
4 SE-Sidewall-15'	S		X								6/29	10:00	1	/			
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Release Initial: \_\_\_\_\_  
 Samples Stored in ice \_\_\_\_\_  
 Appropriate containers \_\_\_\_\_  
 Samples preserved \_\_\_\_\_  
 VOA's without headspace \_\_\_\_\_  
 Comments: Hold over samples  
File on 9/21/93

**RUSH**

PLEASE RUN  
 #2-PIT H<sub>2</sub>O  
 6-30-93 13:35

Relinquished by [Signature]  
 Organization SEMCO

Relinquished by \_\_\_\_\_  
 Organization \_\_\_\_\_

Relinquished by \_\_\_\_\_  
 Organization \_\_\_\_\_

Date/Time 6/29/93  
2:54 p.m.

Date/Time \_\_\_\_\_

Date/Time \_\_\_\_\_

Received by \_\_\_\_\_  
 Organization \_\_\_\_\_

Received by \_\_\_\_\_  
 Organization \_\_\_\_\_

Received by [Signature]  
 Organization \_\_\_\_\_

Please Initial [Signature]  
 Samples Stored in ice   
 Appropriate Containers   
 Samples Preserved   
 VOA's without Headspace   
 Comments \_\_\_\_\_





**TEAM QUALITY CONTROL  
PROJECT VERIFICATION**

Please help us to provide an error free project to you, by reviewing our log-in information. This will insure that we have properly interpreted your analytical requests. If changes are required, please contact me immediately, so that you will receive the service that you expect. Thank you for your assistance!

*Cecilia*

Your account advocate

**CLIENT INFORMATION**

<b>COMPANY:</b> SEMCO	<b>CONTACT:</b> CHUCK KIPER
<b>ADDRESS:</b> 1741 LESLIE ST. SAN MATEO, CA 94402	<b>PROJECT NO.:</b> CITY OF ALBANY-93-3092
<b>TEL.:</b> 415 5728033	<b>PO NO.:</b> NONE
<b>BILL TO:</b> SEMCO 1741 LESLIE ST. SAN MATEO, CA 94402	<b>Quote NO.:</b>

**LABORATORY INFORMATION - San Francisco**

<b>DATE RECEIVED:</b> June 29, 1993	<b>DATE DUE:</b> 07/02/93
<b>JOB NUMBER:</b> 56694	(Friday)

**SAMPLE INFORMATION**

Samples will be analyzed utilizing methods

LAB #	CLIENT IDENTIFICATION	MATRIX	ANALYSIS
1	PIT H2O-20'	WG	HOLD
2	NE-SIDEWALL-15'	SO	BTXE DIESEL
3	SE-SIDEWALL-15'	SO	BTXE DIESEL

Special instructions: **HOLD WATER SAMPLES UNTIL FURTHER NOTICE.**

See the next page for more



# Superior Precision Analytical, Inc.

1555 Burke, Unit 1 • San Francisco, California 94124 • (415) 647 2081 / fax (415) 821-7123

Sample condition: OK

---

COC Signed ?	Yes
All samples received ?	Yes
Proper temperature ?	Yes
ID's match COC ?	Yes
Received W/IN hold time ?	Yes
Headspace OK ?	Yes
Proper containers ?	Yes
Proper preservatives ?	Yes

---

---

# S E M C O

## SOIL/GROUND WATER SAMPLING DATA FORM

Underground Storage Tank Site Address: 1325 PORTLAND AVENUE, ALBANY

Business Site Name: N/A

Description Sample ID (Specify location; i.e., tank, pipe, stockpile) and number	Sample Depth (Indicate depth of sample from grade)	Media (soil/water)	Date (Date sample was collected)	Soil Type (specify if sand, clay, fill, etc.)	Laboratory Results*, express in mg/kg unless otherwise specified									
					TPHg	TPHd	B	T	E	X	Lead	TOG	Cl HC	Other
(Example) Tank #1, east end, #T1-E12.5	12.5 feet	soil	2/29/93	sand	14		0.003	0.01	ND	ND	2.2			
#1 - BOTTOM OF TRENCH @ 17'	17 Feet	SOIL	6/30/94	Clayey		ND	ND	ND	ND	ND				
#2 - BOTTOM - SIDE OF TRENCH @ 13'	13 Feet	↓	↓	↓		ND	ND	ND	ND	ND				

TPHg = Total Petroleum Hydrocarbon as Gasoline  
 BTEX = Benzene, Toluene, Ethylbenzene, Xylene  
 Cl HC = Chlorinated hydrocarbon compounds

TPHd = Total Petroleum Hydrocarbon as Diesel  
 TOG = Total Oil and Grease  
 Other = Semivolatile organic compounds, heavy metals, etc.

List additional analytical results and/or additional samples on a separate sheet

Submit this form as part of the closure final report. Attach soil/ground water sampling location map.



# Superior Precision Analytical, Inc.

1555 Burke, Unit 1 • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

SEMCO  
Attn: CHUCK KIPER

Project CITY OF ALBANY 93-3092  
Reported 07/06/93

## TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
56709- 1	#1 BOTTOM OF TRENCH-17	06/30/93	07/01/93 Soil
56709- 2	#2 BOTTOM-SIDE OF TRENCH	06/30/93	07/01/93 Soil

## RESULTS OF ANALYSIS

Laboratory Number: 56709- 1 56709- 2

Benzene:	ND<.003	ND<.003
Toluene:	ND<.003	ND<.003
Ethyl Benzene:	ND<.003	ND<.003
Xylenes:	ND<.009	ND<.009
Diesel:	ND<10	ND<10

Concentration: mg/kg mg/kg



C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2  
QA/QC INFORMATION  
SET: 56709

NA = ANALYSIS NOT REQUESTED  
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT  
mg/kg = parts per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:  
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:  
Minimum Quantitation Limit for Diesel in Soil: 10mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:  
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE  
Minimum Quantitation Limit in Soil: 0.003mg/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Benzene:	106/105	1%	72-110
Toluene:	100/99	1%	75-111
Ethyl Benzene:	96/95	1%	78-110
Xylenes:	96/95	1%	69-117
Diesel:	97/97	0%	69-127

Richard Srna, Ph.D.

*Cecilia G. Jorgensen (for)*  
Laboratory Director

56704

# CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. \_\_\_\_\_

## Section I

Consultant Name SEMCO  
 Office Location 1741 Leslie Rd. San Mateo, CA 94402  
 Fax No. (415) 572-9734  
 Project Manager Chuck Kiper  
 Phone (415) 572 8033

TURN AROUND TIME  
 (Circle One)  
 Same Day 72 Hrs  
 24 Hrs \_\_\_\_\_  
 48 Hrs \_\_\_\_\_

SUPERIOR ANALYTICAL, INC.  
 Martinez San Francisco  
 415/229-1512 415/647-2081

Send Coolers to : Modesto  San Mateo   
 Project No. / P.O. No. City of Albany 93-3092

Sampler Tina Soentksen  
 Regulatory Agency Alameda Cty. Env't. Health

Section II	Analysis Request	Section III	Sample Information
------------	------------------	-------------	--------------------

Sample Identification	S=Soil W=Water Matrix	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	O&G	8010	8240	Metals	Others * Subject to Subcontracting	Date	Time	Containers		Sampling Remarks	
													Quantity	Pres.	Bioremediation	Contamination
1# Bottom of Trench-17	S		X		X						6/30	125	1	/		
2# Bottom-side of Trench	S		X		X						6/30	1230	1	/		
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

# RUSH

# RUSH

Relinquished by Tina Soentksen  
 Organization SEMCO

Date/Time 6/30/93  
2:38 p.m.

Received by \_\_\_\_\_  
 Organization \_\_\_\_\_

Please Initial TS  
 Sample Stored in Ice   
 Appropriate Containers   
 Samples Preserved   
 VOA's without Headspace   
 Comments \_\_\_\_\_

Relinquished by \_\_\_\_\_  
 Organization \_\_\_\_\_

Date/Time \_\_\_\_\_

Received by \_\_\_\_\_  
 Organization \_\_\_\_\_

Relinquished by \_\_\_\_\_  
 Organization \_\_\_\_\_

Date/Time \_\_\_\_\_

Received by Detroit  
 Organization superior

1445



# Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

## TEAM QUALITY CONTROL PROJECT VERIFICATION

Please help us to provide an error free project to you, by reviewing our log-in information. This will insure that we have properly interpreted your analytical requests. If changes are required, please contact me immediately, so that you will receive the service that you expect. Thank you for your assistance!

*Cecilia*

Your account advocate

### CLIENT INFORMATION

COMPANY: SEMCO  
ADDRESS: 1741 Leslie Street  
San Mateo, CA 94402  
TEL.: 415 5728033

CONTACT: CHUCK KIPER  
PROJECT NO.: CITY OF ALBANY 93-3092

PO NO.:

BILL TO: SEMCO  
1741 Leslie Street  
San Mateo, CA 94402

Quote NO.:

### LABORATORY INFORMATION - San Francisco

DATE RECEIVED: June 30, 1993  
JOB NUMBER: 56709

DATE DUE: ~~07/05/93~~ 7/6/93  
~~(Monday)~~ Tuesday

### SAMPLE INFORMATION

Samples will be analyzed utilizing methods

LAB #	CLIENT IDENTIFICATION	MATRIX	ANALYSIS
1	#1 BOTTOM OF TRENCH-17'	SO	BTXE DIESEL
2	#2 BOTTOM-SIDE OF TRENCH-13'	SO	BTXE DIESEL

Special instructions:

See the next page for more



# *Superior Precision Analytical, Inc.*

1555 Burke, Unit 1 • San Francisco, California 94174 • (415) 647-2081 / fax (415) 821-7123

---

Sample condition: OK.

---

COC Signed ?	Yes
All samples received ?	Yes
Proper temperature ?	Yes
ID's match COC ?	Yes
Received W/IN hold time ?	Yes
Headspace OK ?	N/A
Proper containers ?	Yes
Proper preservatives ?	N/A

---

---



white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH  
 Hazardous Materials Inspection Form

80 Swan Way, #200  
 Oakland, CA 94621  
 (415) 271-4320

II, III

Site ID # \_\_\_\_\_ Site Name Memorial Park Albany Today's Date 6/23/72

II.A BUSINESS PLANS (Title 19)

- \_\_\_ 1. Immediate Reporting 2703
- \_\_\_ 2. Bus. Plan Stds. 25503(b)
- \_\_\_ 3. RR Cars > 30 days 25503.7
- \_\_\_ 4. Inventory Information 25504(a)
- \_\_\_ 5. Inventory Complete 2730
- \_\_\_ 6. Emergency Response 25504(b)
- \_\_\_ 7. Training 25504(c)
- \_\_\_ 8. Deficiency 25505(a)
- \_\_\_ 9. Modification 25505(b)

Site Address 1350 Portland Ave

City Albany Zip 94706 Phone 528-5760

\_\_\_ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- \_\_\_ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- \_\_\_ II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

II.B ACUTELY HAZ. MATLS

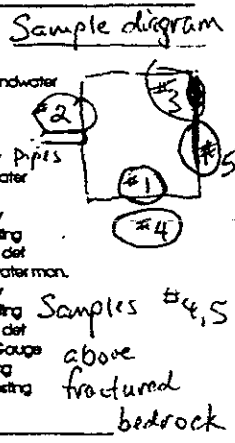
- \_\_\_ 10. Registration Form Filed 25533(a)
- \_\_\_ 11. Form Complete 25533(b)
- \_\_\_ 12. RMPP Contents 25534(c)
- \_\_\_ 13. Implement Sch. Req'd? (Y/N)
- \_\_\_ 14. OffSite Conseq. Assess. 25524(c)
- \_\_\_ 15. Probable Risk Assessment 25534(d)
- \_\_\_ 16. Persons Responsible 25534(g)
- \_\_\_ 17. Certification 25534(f)
- \_\_\_ 18. Exemption Request? (Y/N) 25536(b)
- \_\_\_ 19. Trade Secret Requested? 25538

\* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments: Jason Baker City of Albany Public Works  
David Cornell - City of Albany Consultant  
Tina Spenken - Semco

III. UNDERGROUND TANKS (Title 23)

- General
- \_\_\_ 1. Permit Application 25284 (H&S)
  - \_\_\_ 2. Pipeline Leak Detection 25292 (H&S)
  - \_\_\_ 3. Records Maintenance 2712
  - \_\_\_ 4. Release Report 2651
  - \_\_\_ 5. Closure Plans 2670 N
- Monitoring for Existing Tanks
- \_\_\_ 6. Method Sample diagram
  - 1) Monthly Test
  - 2) Daily Vadose Semi-annual groundwater One time soils
  - 3) Daily Vadose One time soils Annual tank test pits
  - 4) Monthly Groundwater One time soils
  - 5) Daily Inventory Annual tank testing Cont pipe leak det Vadose/groundwater mon.
  - 6) Daily Inventory Annual tank testing Cont pipe leak det
  - 7) Weekly Tank Gauge above fractured bedrock
  - 8) Annual Tank Testing Daily Inventory
  - 9) Other
- New Tanks
- \_\_\_ 7. Precis Tank Test Date: 2643
  - \_\_\_ 8. Inventory Rec. 2644
  - \_\_\_ 9. Soil Testing 2646
  - \_\_\_ 10. Ground Water 2647
  - \_\_\_ 11. Monitor Plan 2632
  - \_\_\_ 12. Access, Secure 2634
  - \_\_\_ 13. Plans Submit Date: 2711
  - \_\_\_ 14. As Built Date: 2635



Witnessed tank removal at Memorial Park of Albany located at 1325 Portland Ave, Albany. The City of Albany initiated the removal. Semco is the contractor performing the work. Observed the tank was buried approx. 13 feet in depth,  $\approx$  20-25 ft east of structure in a north to south position. Albany Fire Marshall Dennis Rivers on site. Tank removal occurred about 1:30 pm. Holes noted. Also 2 to 2 1/2 ft of soil was removed from underneath tank. All the soil adjacent tank was discolored green to black. Clay type soil was above the tank and fractured bedrock below tank position. Noticed a tar-like substance coming from the east wall. Sample was taken from this area as well. A total of 5 samples from the pit lie so-wall, bottom at ends of tank east wall and upper corner of east wall (3 ft depth)

Stock pile  
 80-85 yd<sup>3</sup>

Remco is ~~contracted~~ <sup>CONTACTED</sup> to come and sample the stock piled soil at 3:00 pm. Chuck Kiper considered this soil contaminated and

Contact: \_\_\_\_\_  
 Title: ENGINEERING ASSISTANT  
 Signature: [Signature]

Inspector: Kevin Tinsley  
 Signature: [Signature]

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200  
Oakland, CA 94621  
(415) 271-4320

## Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name \_\_\_\_\_ Today's Date \_\_\_/\_\_\_/\_\_\_

Site Address \_\_\_\_\_ EPA ID# \_\_\_\_\_

City \_\_\_\_\_ Zip 94 Phone \_\_\_\_\_

MAX Amt. Stored > 500lbs/55g/200cf?  Y  N  
Hazardous Waste generated per month? \_\_\_\_\_

**Inspection Categories:**

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

**LA GENERATOR (Title 22)**

- \_\_\_ 1. Waste ID \* 66471
- \_\_\_ 2. EPA ID 66472
- \_\_\_ 3. > 90 days 66508
- \_\_\_ 4. Label dates 66508
- \_\_\_ 5. Biennial 66493

**Manifest**

- \_\_\_ 6. Records 66492
- \_\_\_ 7. Correct 66484
- \_\_\_ 8. Copy sent 66492
- \_\_\_ 9. Exception 66484
- \_\_\_ 10. Copies Rec'd 66492

**Misc.**

- \_\_\_ 11. Treatment 66371
- \_\_\_ 12. On-site Disp. (H.S.&C.) 26189.5
- \_\_\_ 13. Ex Haz. Waste 66570

**Prevention**

- \_\_\_ 14. Communications 67121
- \_\_\_ 15. Aisle Space 67124
- \_\_\_ 16. Local Authority 67126
- \_\_\_ 17. Maintenance 67120
- \_\_\_ 18. Training 67105

**Cont'n. gency**

- \_\_\_ 19. Prepared 67140
- \_\_\_ 20. Name List 67141
- \_\_\_ 21. Copies 67141
- \_\_\_ 22. Emg. Coord. Trng. 67144

**Containers, Tanks**

- \_\_\_ 23. Condition 67241
- \_\_\_ 24. Compatibility 67242
- \_\_\_ 25. Maintenance 67243
- \_\_\_ 26. Inspection 67244
- \_\_\_ 27. Buffer Zone 67246
- \_\_\_ 28. Tank Inspection 67259
- \_\_\_ 29. Containment 67245
- \_\_\_ 30. Safe Storage 67261
- \_\_\_ 31. Freeboard 67257

**Comments:**

-Eva also wanted 2 prod. line samples @ 20' intervals.

**LB TRANSPORTER (Title 22)**

- \_\_\_ 32. Applic./Insurance 66428
- \_\_\_ 33. Comp. Cert./CHP Insp. 66448
- \_\_\_ 34. Containers 66465

**Manifest**

- \_\_\_ 35. Vehicles 66465
- \_\_\_ 36. EPA ID #s 66531
- \_\_\_ 37. Correct 66541
- \_\_\_ 38. HW Delivery 66543
- \_\_\_ 39. Records 66544

**Cont'n.**

- \_\_\_ 40. Name/ Covers 66545
- \_\_\_ 41. Recyclables 66800

Rev 6/85

Contact: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Inspector: \_\_\_\_\_

Signature: \_\_\_\_\_

white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH  
 Hazardous Materials Inspection Form

80 Swan Way, #200  
 Oakland, CA 94621  
 (415) 271-4320

II, III

Site ID # \_\_\_\_\_ Site Name City of Albany Today's Date 6/29/93

II.A BUSINESS PLANS (Title 19)

- \_\_\_ 1. Immediate Reporting 2703
- \_\_\_ 2. Bus. Plan Stds. 25503(b)
- \_\_\_ 3. RR Cars > 30 days 25503.7
- \_\_\_ 4. Inventory Information 25504(a)
- \_\_\_ 5. Inventory Complete 2730
- \_\_\_ 6. Emergency Response 25504(b)
- \_\_\_ 7. Training 25504(c)
- \_\_\_ 8. Deficiency 25505(a)
- \_\_\_ 9. Modification 25505(b)

Site Address B25 Portland  
 City Albany Zip 94 Phone \_\_\_\_\_

\_\_\_ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- \_\_\_ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- \_\_\_ II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks Sampling after overexcavation

\* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

II.B ACUTELY HAZ MATLS

- \_\_\_ 10. Registration Form Filed 25533(a)
- \_\_\_ 11. Form Complete 25533(b)
- \_\_\_ 12. RMPP Contents 25534(c)
- \_\_\_ 13. Implement Sch. Req'd? (Y/N) \_\_\_\_\_
- \_\_\_ 14. OffSite Conseq. Assess. 25524(c)
- \_\_\_ 15. Probable Risk Assessment 25534(d)
- \_\_\_ 16. Persons Responsible 25534(g)
- \_\_\_ 17. Certification 25534(f)
- \_\_\_ 18. Exemption Request? (Y/N) 25536(b)
- \_\_\_ 19. Trade Secret Requested? 25538

Comments:

528-5767  
Presents Darrell Murray - Albany Bldg Dept.

III. UNDERGROUND TANKS (Title 23)

- General
- \_\_\_ 1. Permit Application 25284 (H&S)
  - \_\_\_ 2. Pipeline Leak Detection 25292 (H&S)
  - \_\_\_ 3. Records Maintenance 2712
  - \_\_\_ 4. Release Report 2651
  - \_\_\_ 5. Closure Plans 2670

Piping from bldg is flushed/rinsed and line is plugged.  
Trench soil appears clean, w/o petroleum odor.

Monitoring for Existing Tanks

- \_\_\_ 6. Method
  - 1) Monthly Test
  - 2) Daily Vadose Semi-annual groundwater One time soils
  - 3) Daily Vadose One time soils Annual tank test
  - 4) Monthly Groundwater One time soils
  - 5) Daily Inventory Annual tank testing Cont pipe leak det Vadose/grdwat man.
  - 6) Daily Inventory Annual tank testing Cont pipe leak det
  - 7) Weekly Tank Gauge Annual tank testing
  - 8) Annual Tank Testing Daily Inventory
  - 9) Other \_\_\_\_\_

Large pit where piping connected to UST exhibited contaminated, stained soil. This will be excavated after trench is filled. Confirmatory sample will be taken in new trench after obvious contaminated soil is removed.

- \_\_\_ 7. Precs Tank Test 2643  
Date: \_\_\_\_\_
- \_\_\_ 8. Inventory Rec. 2644
- \_\_\_ 9. Soil Testing 2646
- \_\_\_ 10. Ground Water 2647

New Tanks

- \_\_\_ 11. Monitor Plan 2632
- \_\_\_ 12. Access, Secure 2634
- \_\_\_ 13. Plans Submit 2711  
Date: \_\_\_\_\_
- \_\_\_ 14. As Built 2635  
Date: \_\_\_\_\_

Rev 8/88

Contact: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Inspector: EWACH

Signature: EWACH

II, III

SEMCO ENVIRONMENTAL CONTRACTORS

SAN MATEO - (800)831-2344 (415)572-8033  
 MODESTO - (800)585-9293 (209)524-9653

UST CLOSURE INSPECTION WORKSHEET

1325 Portland Ave, Albany City of Albany 93-3092  
 UST SITE ADDRESS BUSINESS NAME JOB #  
 n/a ~~Gene Rivers~~ 6/23/93  
 ENV. HEALTH INSP. FIRE INSP. DATE

NOTES

	Tank ID #	Tank Volume	Date Tank Closed
1	11555	1500	6/23/93
2			
3			
4			
5			
6			

UST CONDITION	TANK #	1							
	LEL OK'D	✓							
	PRODUCT FREE	No							
	HOLES/PITS	Y							
	TANK CUT/CLEANED	Y							
RUST/SCALES	Y								
SOIL COND. DITION	VAPOR	Y							
	DISCOLORATION	Y							
GROUND WATER	SHEEN	Y							
	FLOATING PRODUCT	Y							
ANALYTICALS REQUESTED	TPH GAS								
	TPH DIESEL	X							
	TOTAL OIL AND GREASE								
	BTEX (8020)	X							
	TOTAL LEAD								
	CI HC (8010)								
	8010 & 8020 or 8240								
	8270								
Cd, Cr, Pb, Zn, Ni									

Heavy odor. Dark brown topsoil. to ~ 5ft.  
 5% - O<sub>2</sub> 0% - LEL  
 Black soil discoloration.  
~~15 ft.~~ No  $\nabla$  encountered  
 Product present in pit + on tank.  
 ~ 10 large 2-3 inch holes  
 1 irg. hole 1ft. from bottom  
 some Rivets rotted.  
 1575 gals removed 99% - water (surf. fire) 1% - prod.  
 Bedrock @ 19'  
 product return line  
 Took vent line sample because of water/product backup in line. ~~#2 vent line~~

PROJECT MANAGER

Chuck Kiper

DEPTH OF EXCAVATION

13'

DIMENSION OF EXCAVATION

8 x 11

TANK MANIFEST #

92831166

LIQUID MANIFEST #

93266822

DEPTH TO GROUNDWATER

92831166  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA, CALL 1-800-852-7550  
 GENERATOR FACILITY

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. C1AC101019116196493092 Manifest Document No. 92831166  
 2. Page 1 of 1 Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address City of Albany  
1000 San Pablo Ave., Albany, CA 94706

4. Generator's Phone (510) 528-5767 X CARMEL - POETLAND

5. Transporter 1 Company Name RICH HAMILTON TRUCKING 6. US EPA ID Number C1A110101112413

7. Transporter 2 Company Name \_\_\_\_\_ 8. US EPA ID Number \_\_\_\_\_

9. Designated Facility Name and Site Address ERICKSON, INC.  
255 PARR BLVD.  
RICHMOND, CA 94801 10. US EPA ID Number C1AD1010191466392

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. <u>WASTE EMPTY STORAGE TANK NON RCRA HAZARDOUS WASTE SOLID.</u>	<u>01</u>	<u>TIP</u>	<u>0.1500</u>	<u>P</u>
b.				
c.				
d.				

EMPTY STORAGE TANK(S) # 11555  
TANK(S) HAVE BEEN EMPTIED WITH 12 LBS  
DRY ICE BEING USED TO MAINTAIN CAPACITY

15. Special Handling Instructions and Additional Information Site: 1325 Portland Ave., Albany  
KEEP AWAY FROM SOURCES OF IGNITION. ALWAYS WEAR HARDHATS WHEN WORKING AROUND  
U.S.T.'s 24 HOUR CONTACT NAME Darryl Murray & PHONE (510) 528-5767

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.  
 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 GENE D. RIVERS Signature Gene D. Rivers Month 01 Day 23 Year 93

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name TIM HOWARD Signature Tim Howard Month 01 Day 23 Year 93

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 KAREN RUFFIN Signature Karen Ruffin Month 01 Day 23 Year 93

DAY OR NIGHT  
TELEPHONE  
(510) 235-1393

# CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

## NO. 12118

CUSTOMER SEMCO
JOB NO. 81918

FOR: Erickson, Inc. TANK NO. 11455

LOCATION: Richmond DATE: 06/29/93 TIME: 07:12:42

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT FO

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 1500 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."

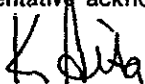

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

### 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.

REPRESENTATIVE \_\_\_\_\_ TITLE \_\_\_\_\_ INSPECTOR \_\_\_\_\_

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550  
 GENERATOR  
 TRANSPORTER  
 FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C A C 0 0 0 0 0 1 0 0 0 1		Manifest Document No. 66822		2. Page 1 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address CITY OF ALBANY 1000 SAN PABLO AVE. ALBANY, CA 94706				4. Generator's Phone (510) 528-5767		State Manifest Document Number 93266822					
5. Transporter 1 Company Name ALLIED PETROLEUM				6. US EPA ID Number C A L 0 0 0 1 1 1 2 3 1 4		State Generator ID 475126					
7. Transporter 2 Company Name				8. US EPA ID Number		State Transporter ID (209) 76-8500					
9. Designated Facility Name and Site Address REFINERIES SERVICE 13331 N HWY 33 PATTERSON, CA 95363				10. US EPA ID Number C A D 0 0 3 1 6 6 7 2 8		State Facility ID C A D 0 0 3 1 6 6 7 2 8					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. NON RCRA HAZARDOUS WASTE LIQUID NOS NA 9189						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
						001 TIT		01620		G	
b.											
c.											
d.											
15. Additional Descriptions for Materials Listed Above 95% WATER AND RINSEATE 5% FUEL						16. Handling Codes for Wastes Listed Above					
15. Special Handling Instructions and Additional Information USE APPROPRIATE PROTECTIVE GEAR DESIGNATED FACILITY EMERGENCY CONTACT # (800) 874-4444 GENERATOR EMERGENCY CONTACT # (510) 528-5767						PICK-UP AT: 1325 PORTLAND AVE. ALBANY, CA					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.  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 JASON T. BAXER				Signature <i>Jason T. Baxer</i>				Month Day Year 06 23 93			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Colin Kelley				Signature <i>Colin Kelley</i>				Month Day Year 06 23 93			
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 Debra Firestone				Signature <i>Debra Firestone</i>				Month Day Year 06 29 93			

DO NOT WRITE BELOW THIS LINE.



**EVERGREEN  
ENVIRONMENTAL  
SERVICES**

6880 SMITH AVE., NEWARK, CA 94560  
(800) 972-5284 EPA ID# CAD 980695761

A DIVISION OF CALIFORNIA OIL RECYCLERS, INC.

**BILL OF LADING/  
INVOICE 316297**

JOB LOCATION

BILLING INFORMATION

DATE **6-28-93**

<b>CUSTOMER</b>	NAME <i>City of Albany (Park)</i>		NAME <i>Semco</i>		CASH <input type="checkbox"/>	CHECK #
	ADDRESS <i>1325 Portland Ave.</i>		ADDRESS <i>1217 South 7th</i>		PO #	<i>Job # 933092</i>
	CITY <i>Albany, Ca.</i>	STATE <i>Ca.</i>	ZIP <i>94706</i>	CO	CUSTOMER NO.	
	CITY <i>Albany, Ca.</i>	STATE <i>Ca.</i>	ZIP <i>95351</i>	CO	PHONE NO. <i>209-524-9653</i>	

**PLEASE PAY FROM THIS INVOICE**

**TERMS: NET 7 DAYS**

PRODUCT	MANIFEST #	GALLONS	PRICE	AMOUNT
USED OIL, NON-RCRA HAZARDOUS WASTE, COMBUSTIBLE LIQUID, NA1270	LUBRICATING			
	INDUSTRIAL			
NON-RCRA HAZARDOUS WASTE LIQUID	UN1142 (AUTOMOTIVE ANTIFREEZE)			
	UN9189 (OIL & WATER)	<i>93292389</i>	<i>425</i>	
WASTE PETROLEUM OIL NOS COMBUSTIBLE LIQUID NA1270 (GREATER THAN 1000 ppm HALOGENS)				
TEST	PASS <input checked="" type="checkbox"/>	FAIL <input type="checkbox"/>	PPM	
OTHER: <i>Flame Emission</i>				<i>n/c</i>
DRAINED USED OIL FILTERS	CRUSHED	UNCRUNSHED	EMPTY	

TSD/ EVERGREEN OIL, INC. (510) 795-4400  
6880 Smith Avenue EPA ID# CAD 980887418  
Newark, California 94560

I certify that the information and amounts shown above are true and correct and that the used oil provided to Evergreen Environmental Services meets the definition of used oil pursuant to California Health & Safety Code, Section 25250.1, unless otherwise noted. This further serves as notification that the above waste is banned from land disposal pursuant to Section 66268.7(10) of Title 22. I also acknowledge that I have read and agree to the terms and conditions set forth on the reverse side of this form.

**TOTAL CHARGES**

*J. Dixon* DRIVER      ROUTE #      *[Signature]* DRIVER SIGNATURE      *[Signature]* GENERATOR'S SIGNATURE  
*Soenkson*



IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CA1C010091160649213818</b>	Manifest Document No.	2. Page 1 <b>1 of 1</b>	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>City of Albany 1325 Portland Ave. Albany, Ca. 94706</b>						
4. Generator's Phone <b>510 528-5767</b>						
5. Transporter 1 Company Name <b>EVERGREEN ENVIRONMENTAL SERVICES</b>		6. US EPA ID Number <b>CA1D191810161915171611</b>				
7. Transporter 2 Company Name		8. US EPA ID Number				
9. Designated Facility Name and Site Address <b>EVERGREEN OIL, INC. 6880 Smith Avenue Newark, CA 94560</b>		10. US EPA ID Number <b>CA1D191810181817141118</b>				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol	
		No.	Type			
a. <del>USED OILS, NON-RCRA HAZARDOUS WASTE, CONDUCTIBLE LIQUID, NA 1270</del>		0101	TIT		G	
b. <b>NON-RCRA HAZARDOUS WASTE LIQUID</b>		0101	TIT	<b>00425</b>	G	
c.						
d.						
15. Special Handling Instructions and Additional Information <b>Wear Rubber Gloves 24 hour emergency response 510-795-4400 Emergency contact-Kirk Hayward DOT-Guides #27</b>						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.  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 <b>Tina Soenkson</b>		Signature <i>Tina Soenkson</i>		Month	Day	Year
				<b>06</b>	<b>28</b>	<b>93</b>
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name <b>Jason Dixon</b>		Signature <i>Jason Dixon</i>		Month	Day	Year
				<b>06</b>	<b>28</b>	<b>93</b>
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Month	Day	Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

DAILY SAFETY BRIEFING REPORT

Project # 93-3092 Date 6-23-93 Time 7:30 Am

Project Name CITY OF ALBANY

Project Location 1325 Portland Ave - Albany

Client/Address Same/1000 San Pablo Ave, Albany (Contact: Darryl Murray-510-528-5767)

Project Activity Removal of one (1) 1,000-1,500 gallon heating oil tank

SAFETY TOPICS

CHEMICAL HAZARDS-Benzene, Toluene, Xylene, Ethyl Benzene, Freon, Diesel, Waste Oil, Petroleum Hydrocarbons

PHYSICAL HAZARDS-Open excavation, debris piles, exposed piping, cave-ins, moving equipment, electrical shock

RESPIRATORY PROTECTIVE EQUIPMENT-Half-face respirator with organic vapor cartridges if necessary

SAFETY/PERSONAL PROTECTIVE EQUIPMENT/CLOTHING (List specifically for each activity)- Hard hats, steel toe shoes, safety glasses, uniform shirt, protective gloves

SPECIFIC INSTRUCTIONS-No smoking, eating, drinking, or chewing within 25' of the excavation, wash hands before doing any of the above

HOSPITAL/CLINIC Alta Bates Hospital PHONE ( 510 ) 540-0337

HOSPITAL ADDRESS 3001 Colby Street - Berkeley

PARAMEDIC (      ) 911 FIRE DEPT. (      ) 911 POLICE (      ) 911

EMERGENCY PROCEDURES-Treat minor injuries on site, transport victim to hospital if necessary

-ATTENDEES-

NAME (Please Print)

NAME (Signature)

JAMES ATCHISON

James Atchison

STEVEN WADE

Steven Wade

JACK BAKER

Jack Baker

David Howell

David R. Rin

Tina Soenksen

Tina Soenksen

Meeting Conducted By Chuck Ripen

DAILY SAFETY BRIEFING REPORT

PROJECT # 93-3092 DATE 6/28/93 TIME 11:27 a.m.  
PROJECT NAME City of Albany  
PROJECT LOCATION 1325 Portland Ave, Albany  
CLIENT/ADDRESS City of Albany  
1000 San Pablo Ave, Albany, CA 94706  
PROJECT ACTIVITY Remove 1000 - 1500 H/O

SAFETY TOPICS

CHEMICAL HAZARDS- Benzene, Toluene, Xylene, Ethyl Benzene, , Diesel, , Petroleum Hydrocarbons

PHYSICAL HAZARDS- Open excavation, debris piles, exposed piping, cave-ins, moving equipment, electrical shock

RESPIRATORY PROTECTIVE EQUIPMENT- Half-face respirator with organic vapor cartridges if necessary

SAFETY/PERSONAL PROTECTIVE EQUIPMENT/CLOTHING (List specifically for each activity)- Hard hats, steel toe shoes, safety glasses, uniform shirt, protective gloves

SPECIFIC INSTRUCTION- No smoking, eating, drinking, or chewing within 25' of the excavation, wash hands before doing any of the above

HOSPITAL/CLINIC Delta Bates Hospital PHONE (510) 540-0337

HOSPITAL ADDRESS 3001 Calby St. Berkeley Ca.

PARAMEDIC 911 FIRE DEPT. 911 POLICE 911

EMERGENCY PROCEDURES- Treat minor injuries on site, transport victim to hospital if necessary

-ATTENDEES-

NAME (Please Print)

NAME (Signature)

~~Ed~~ Tina Soentksen  
Ed Haro  
Doug Flaming  
JAMES PERSON

Tina Soentksen  
Ed Haro  
[Signature]  
[Signature]

MEETING CONDUCTED BY Tina Soentksen

SUPERVISOR Doug Flaming

JOB SITE SURVEY - EVALUATION

1) UTILITIES

a) Underground

1: Is area marked for USA: YES: \_\_\_\_\_ NO:   
2: Are utilities marked: YES: \_\_\_\_\_ NO: \_\_\_\_\_

b) Utilities overhead

1: Are any present: YES: \_\_\_\_\_ NO:   
2: Will ay affect work: YES: \_\_\_\_\_ NO:   
3: If any- define: \_\_\_\_\_

2) TRAFFIC PATTERN

a) Excavated soils impact: YES: \_\_\_\_\_ NO:   
1: If yes, is alternate area available, if so, describe: \_\_\_\_\_

b) Imported Backfill impact: YES: \_\_\_\_\_ NO:   
1: If yes describe alternate area available: \_\_\_\_\_

3) TRUCK ACCESS

a) 10 wheel dump: O.K.  
b) 18 wheel dump: O.K.  
c) Transfer Dump: O.K.

4) RAINY WEATHER CONDITION

a) Are downspouts, gutters, etc., in area of excavation  
YES: \_\_\_\_\_ NO:   
If yes, describe method of diversion: \_\_\_\_\_

b) Gutter, curblin intrusion: YES: \_\_\_\_\_ NO:   
If yes, describe method of diversion: \_\_\_\_\_

c) Surface runoff or sheetflow: YES: \_\_\_\_\_ NO:   
If yes, describe method of diversion: \_\_\_\_\_

5) IF CONTAMINATION IS PRESENT, DETERMINE GROUNDWATER DEPTH:

a) Any nearby creeks, canals or sloughs: YES: \_\_\_\_\_ NO: \_\_\_\_\_  
If yes, describe where in relation to work and approximate depth to H2O: \_\_\_\_\_

b) Ground water monitoring wells on neighboring properties:  
YES: \_\_\_\_\_ NO: \_\_\_\_\_  
If yes, what is the street address and facility name: \_\_\_\_\_

c) Is there a private well on subject property: YES \_\_\_\_\_ NO   
If yes, give exact location of well: \_\_\_\_\_

6) SOIL CONSISTENCY

a) Clayey: YES  NO \_\_\_\_\_  
b) Sand: YES \_\_\_\_\_ NO \_\_\_\_\_  
c) Silty sand: YES \_\_\_\_\_ NO \_\_\_\_\_  
d) Bay mud: YES \_\_\_\_\_ NO \_\_\_\_\_  
e) Rocky: YES \_\_\_\_\_ NO \_\_\_\_\_

f) Describe any or other soil conditions: Clay (brown)  
serpentine, black @ 17' BEDROCK

S E M C O  
Environmental and General Engineering Contractors  
1741 Leslie Street  
San Mateo, California 94402

June 25, 1993

Kevin Tinsley  
Alameda County Health Care Agency  
80 Swan Way #200  
Oakland, CA 94621

Re: City of Albany  
1325 Portland Ave., Albany

Dear Kevin:

We are submitting this workplan for your consideration.

SEMCO was hired by the City of Albany to remove one underground storage tank from the site at the corner of Portland and Carmel in Albany. After obtaining a number of samples from the excavation, analytical results dictated that further excavation was needed.

We propose to continue to excavate down 3 to 4 more feet or until bedrock is encountered and additionally to excavate laterally until all signs of contamination are absent. At that time we will obtain samples, with the supervision of an onsite Alameda County inspector, of the excavation and the spoils pile. All work will be done according to lead agency requirements and restrictions.

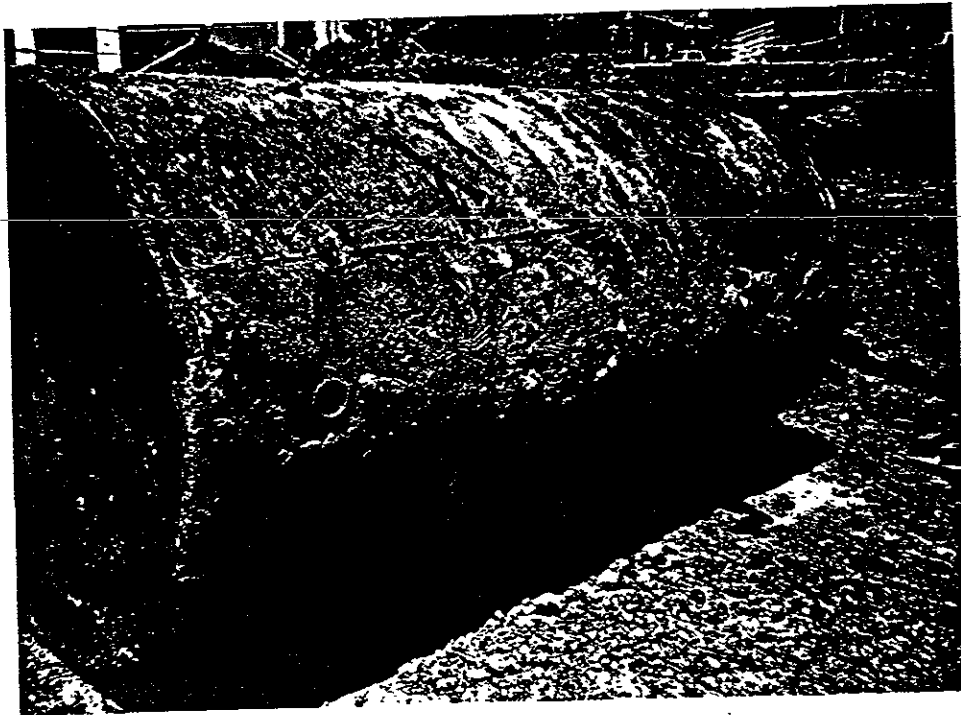
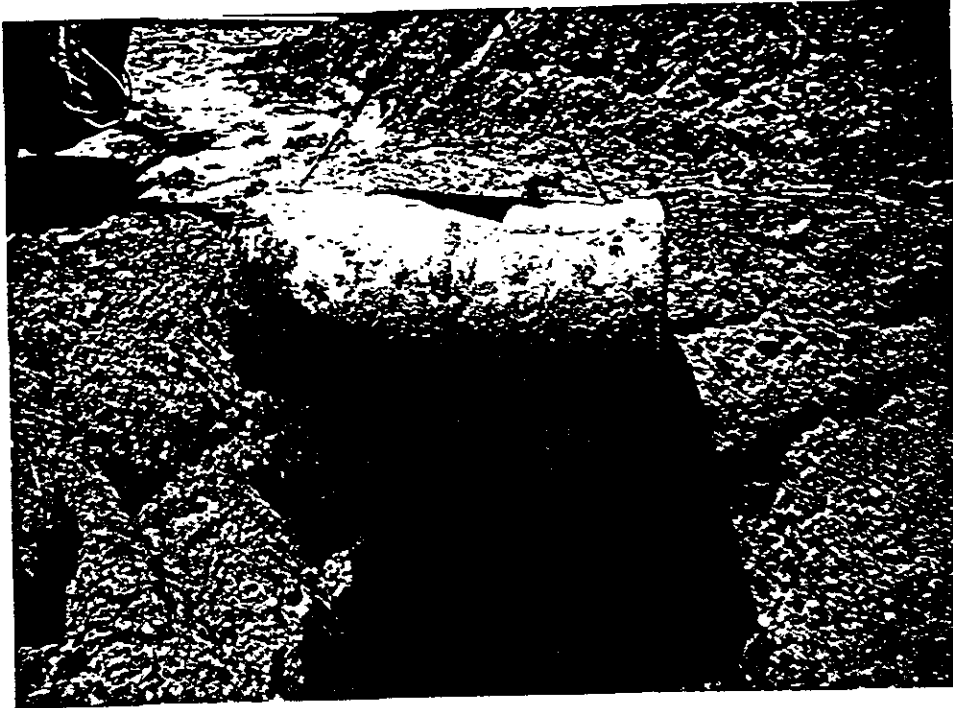
We look forward to working with you in the future, please inform us of the status of this workplan.

Sincerely,

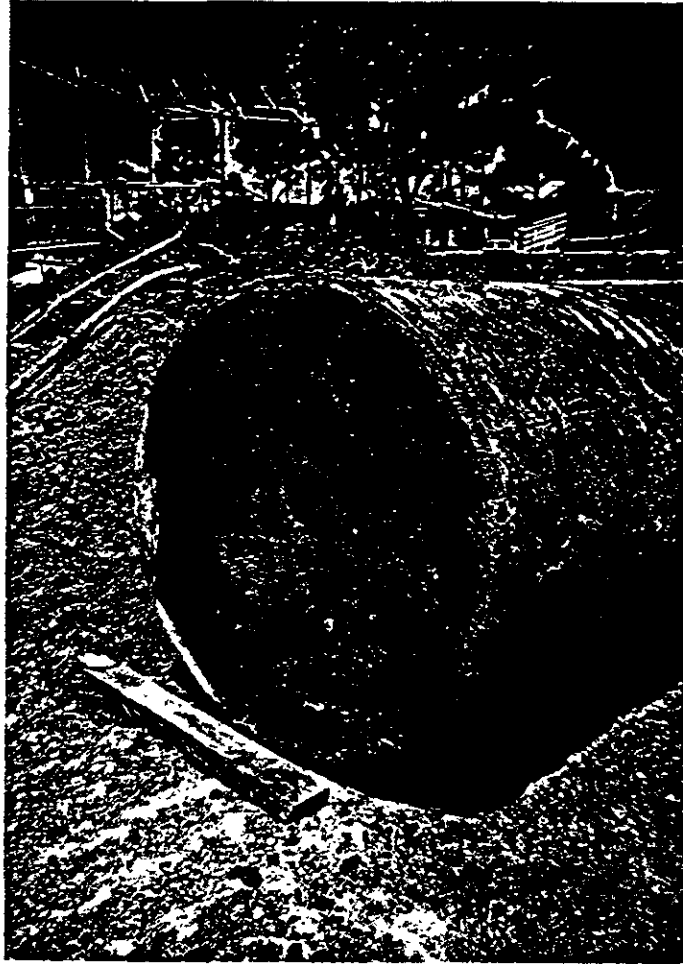


Tina Soenksen  
Project Coordinator

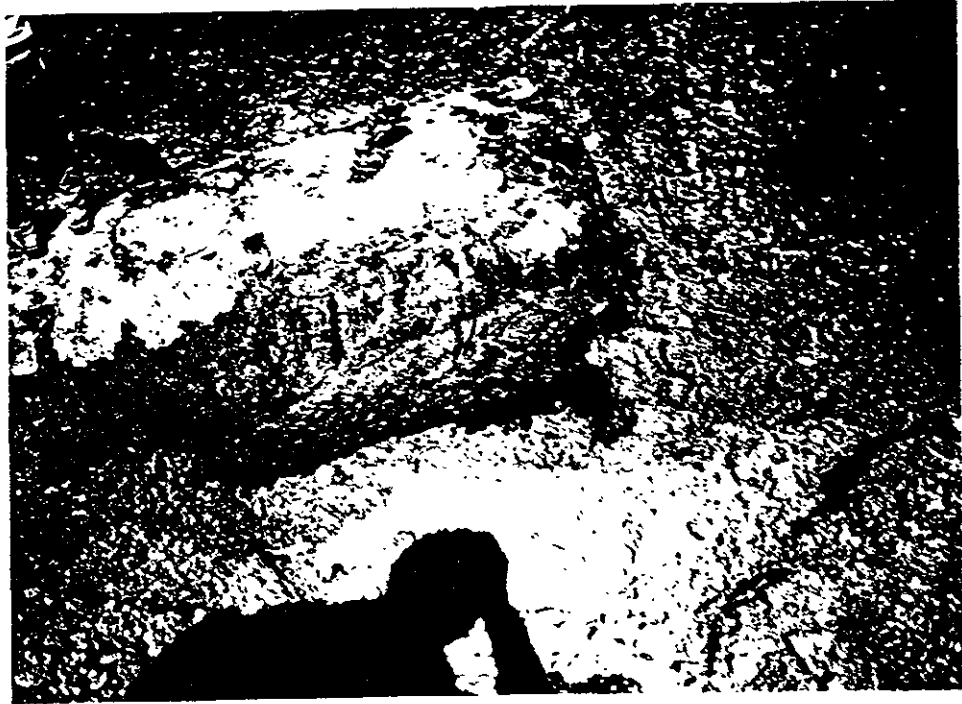
CITY OF ALBANY  
93-3092  
1395 PORTLAND AVENUE  
ALBANY, CALIFORNIA



CITY OF ALBANY  
93-3092  
1395 PORTLAND AVENUE  
ALBANY, CALIFORNIA



CITY OF ALBANY  
93-3092  
1395 PORTLAND AVENUE  
ALBANY, CALIFORNIA







WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

No. 07508 <sup>15,90</sup>

Large to: 800 Remco  
 id: \$

WEIGHED FOR Albany, Ca  
 CASE DELIVERED TO Remco  
Richmond, Ca

UNITS	COMMODITY	MARKS
990 + 990T	Dist	—
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 238-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	R.H.Y. TRUCK LIC. NO. 9C31389
By <u>[Signature]</u> DEPUTY	DATE 6/24/93	SEMI LIC. NO. CAL T M P
By <u>[Signature]</u> DEPUTY	DATE 6/24/93	TRAILER LIC. NO.
REMARKS		
D.C. and/or L.C.		
NOTE: Description and count of commodity supplied by driver and/or loader.		

LBS. GROSS 65180  
 LBS. TARE 33380  
 LBS. NET 31800

DRIVER'S NAME Mike J. F.  
 RT-10M (4-88)

*City of Albany*

①

Mass

Inc

6/24/93  
CITY OF ALBANY *Albany*

93  
OF ~~ALBANY/SEMCO~~

overall

REMCO SCALES

SCALES

TRANSPORTER  
*COD*

PORTER  
*D*

TRUCK #  
*D-1*

#  
*1*

TIME  
*10:30*

WEIGHT  
*27440*

*0*

WEIGHT  
*30400*

*580*

WEIGHT

*10*

WEIGHT

WEIGHT  
*68200*

*10*

TOTAL WEIGHT

WEIGHT

*34,120*  
*18.10*

ACTIVITY PRODUCING WASTE

IS THIS WASTE NON-HAZARDOUS BY TITLE 22, C.C.R., ARTICLE II?  YES  NO

IF YES, THIS PROFILE CERTIFIES THAT STATE OF CALIFORNIA NON-HAZARDOUS PROPERTIES ARE BASED ON CERTIFIED LABORATORY ANALYSES AND/OR GENERATOR KNOWLEDGE OF GENERATION PROCESS AND WASTESTREAM CONTAMINANTS.

IS THIS WASTE A RCRA TCLP WASTE?  YES  NO

IF YES, WASTE MUST ARRIVE AT FACILITY WITH A HAZARDOUS WASTE MANIFEST INCLUDING A COMPLETED BOX I WITH EPA CODES.

TO THE BEST OF MY KNOWLEDGE, I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

*Jinda Row*  
SIGNATURE

*Dispatches*  
TITLE

*6-24-93*  
DATE

### FACILITY DECISION

ACCEPT \_\_\_\_\_ REJECT \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_

*Gross*

950

6/24/93  
~~RICHMOND TO REDWOOD~~

6/24/93  
~~RICHMOND TO REDWOOD~~

REMCO SCALES

REMCO SCALES

TRANSPORTER

TRANSPORTER *RHT*

TRUCK #

TRUCK # *950*

*950*

TIME

TIME

WEIGHT

WEIGHT *9420*

*9200*

WEIGHT

WEIGHT *12880*

*21650*

WEIGHT

WEIGHT *10560*

*26200*

WEIGHT

WEIGHT

WEIGHT

WEIGHT *32860*

*57050*

TOTAL WEIGHT

TOTAL WEIGHT

*24,190*

*12,10*

6/24/93

ACTIVITY PRODUCING WASTE \_\_\_\_\_

IS THIS WASTE NON-HAZARDOUS BY TITLE 22, C.C.R., ARTICLE 11?  YES  NO

IF YES, THIS PROFILE CERTIFIES THAT STATE OF CALIFORNIA NON-HAZARDOUS PROPERTIES ARE BASED ON CERTIFIED LABORATORY ANALYSES AND/OR GENERATOR KNOWLEDGE OF GENERATION PROCESS AND WASTESTREAM CONTAMINANTS.

IS THIS WASTE A RCRA TCLP WASTE?  YES  NO

IF YES, WASTE MUST ARRIVE AT FACILITY WITH A HAZARDOUS WASTE MANIFEST INCLUDING A COMPLETED BOX I WITH EPA CODES.

TO THE BEST OF MY KNOWLEDGE, I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

SIGNATURE

*Sinda Row*

TITLE

*dispatcher*

DATE

*6-24-93*

### FACILITY DECISION

ACCEPT \_\_\_\_\_ REJECT \_\_\_\_\_

5/24/93  
~~RICHMOND TO REDWOOD~~  
REMCO SCALES

TRANSPORTER

TRUCK #

TIME 8190

EIGHT 25650

EIGHT 29520

EIGHT

EIGHT

EIGHT 63360

TOTAL WEIGHT

6/24/93  
~~RICHMOND TO REDWOOD~~

REMCO SCALES

TRANSPORTER

TRUCK #

TIME

WEIGHT 8560

WEIGHT 13110

WEIGHT 9010

WEIGHT

WEIGHT 30680

TOTAL WEIGHT

32680  
16.54

6/24/93

6/24/93

ACTIVITY PRODUCING WASTE

IS THIS WASTE NON-HAZARDOUS BY TITLE 22, C.C.R., ARTICLE II?  YES  NO

IF YES, THIS PROFILE CERTIFIES THAT STATE OF CALIFORNIA NON-HAZARDOUS PROPERTIES ARE BASED ON CERTIFIED LABORATORY ANALYSES AND/OR GENERATOR KNOWLEDGE OF GENERATION PROCESS AND WASTESTREAM CONTAMINANTS.

IS THIS WASTE A RCRA TCLP WASTE?  YES  NO

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TO THE BEST OF MY KNOWLEDGE, I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

*Sinda Row*  
SIGNATURE

*Dispatches*  
TITLE

*6-24-93*  
DATE

### FACILITY DECISION

ACCEPT \_\_\_\_\_ REJECT \_\_\_\_\_

*A. Nolasco*

DATE *6/24/93*

C + D

D1

D-1

6/24/93  
~~RICHMOND TO REDWOOD~~

REMCO SCALES

TRANSPORTER

TRUCK #

TIME

WEIGHT 10830

WEIGHT 26160

WEIGHT 28800

WEIGHT

WEIGHT 65190

TOTAL WEIGHT

6/24/93  
~~RICHMOND TO REDWOOD~~

REMCO SCALES

TRANSPORTER

TRUCK #

TIME

WEIGHT 9510

WEIGHT 12540

WEIGHT 9990

WEIGHT

WEIGHT 32,040

TOTAL WEIGHT

33,150  
16.58

6/24/93

6/24/93

ACTIVITY PRODUCING WASTE

IS THIS WASTE NON-HAZARDOUS BY TITLE 22, C.C.R., ARTICLE 11?  YES  NO

IF YES, THIS PROFILE CERTIFIES THAT STATE OF CALIFORNIA NON-HAZARDOUS PROPERTIES ARE BASED ON CERTIFIED LABORATORY ANALYSES AND/OR GENERATOR KNOWLEDGE OF GENERATION PROCESS AND WASTESTREAM CONTAMINANTS.

IS THIS WASTE A RCRA TCLP WASTE?  YES  NO

IF YES, WASTE MUST ARRIVE AT FACILITY WITH A HAZARDOUS WASTE MANIFEST INCLUDING A COMPLETED BOX I WITH EPA CODES.

TO THE BEST OF MY KNOWLEDGE, I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

SIGNATURE *Ainda Row*

TITLE *Dispatcher*

DATE *6-24-93*

FACILITY DECISION

ACCEPT *[Signature]*

REJECT

BY

DATE *6-24-93*

990

6/24/93  
~~RICHMOND TO REDWOOD~~

REMCO SCALES

TRANSPORTER

*RHT*

TRUCK # *990*

TIME *10:55*

WEIGHT *9990*

WEIGHT *31650*

WEIGHT *21320*

WEIGHT

WEIGHT *(62,960)*

TOTAL WEIGHT

6/24/93  
~~RICHMOND TO REDWOOD~~

REMCO SCALES

TRANSPORTER

TRUCK # *990*

TIME *10:55*

WEIGHT *9310*

WEIGHT *13820*

WEIGHT *10150*

WEIGHT

WEIGHT *33280*

TOTAL WEIGHT

*29,480*  
*14.84*

6/24/93

ACTIVITY PRODUCING WASTE

6/24/93

IS THIS WASTE NON-HAZARDOUS BY TITLE 22, C.C.R., ARTICLE 11?  YES  NO

IF YES, THIS PROFILE CERTIFIES THAT STATE OF CALIFORNIA NON-HAZARDOUS PROPERTIES ARE BASED ON CERTIFIED LABORATORY ANALYSES AND/OR GENERATOR KNOWLEDGE OF GENERATION PROCESS AND WASTESTREAM CONTAMINANTS.

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TO THE BEST OF MY KNOWLEDGE, I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

*Sinda Row*  
SIGNATURE

*Dispatcher*  
TITLE

*6-24-93*  
DATE

FACILITY DECISION

ACCEPT *S. Row* REJECT \_\_\_\_\_

*6-24-93*

5/24/93  
~~RICHMOND TO REDWOOD~~

REMCO SCALES

TRANSPORTER RHT

TRUCK # 950

TIME \_\_\_\_\_

WEIGHT 8810

WEIGHT 28200

WEIGHT 29100

WEIGHT \_\_\_\_\_

WEIGHT 66,170

TOTAL WEIGHT \_\_\_\_\_

6/24/93  
~~RICHMOND TO REDWOOD~~

REMCO SCALES

TRANSPORTER \_\_\_\_\_

TRUCK # 950

TIME \_\_\_\_\_

WEIGHT 9320

WEIGHT 12910

WEIGHT 10550

WEIGHT \_\_\_\_\_

WEIGHT 32,780

TOTAL WEIGHT \_\_\_\_\_

33,390  
16.70

5/24/93

ACTIVITY PRODUCING WASTE \_\_\_\_\_

6/24/93

IS THIS WASTE NON-HAZARDOUS BY TITLE 22, C.C.R., ARTICLE 11?  YES  NO

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TO THE BEST OF MY KNOWLEDGE, I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

Sinda Row  
SIGNATURE

Dispatch  
TITLE

6-24-93  
DATE

FACILITY DECISION

ACCEPT \_\_\_\_\_

S. Row

REJECT \_\_\_\_\_

6-24-93



*Albany*

*Gross*

*Save*

6/24/93  
~~RICHMOND TO REDWOOD~~

EMCO SCALES

TRANSPORTER

*C+D*

TRUCK #

*D-1*

TIME

WEIGHT

*10550*

WEIGHT

*21380*

WEIGHT

*30090*

WEIGHT

WEIGHT

*62,020*

TOTAL WEIGHT

6/24/93  
~~RICHMOND TO REDWOOD~~

REMCO SCALES

TRANSPORTER

*C+D*

TRUCK #

*D-1*

TIME

*12:15*

WEIGHT

*9140*

WEIGHT

*12520*

WEIGHT

*9990*

WEIGHT

WEIGHT

*31,650*

TOTAL WEIGHT

in approval

*866*

*30,300  
15.19*

6/24/93

6/24/93

ACTIVITY PRODUCING WASTE

IS THIS WASTE NON-HAZARDOUS BY TITLE 22, C.C.R., ARTICLE 11?  YES  NO

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TO THE BEST OF MY KNOWLEDGE, I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

SIGNATURE

*Arda Rod*

TITLE

*dispatcher*

DATE

*6-24-93*

FACILITY DECISION

ACCEPT \_\_\_\_\_ REJECT \_\_\_\_\_

BY

*L. Hardcastle*

DATE

*6/24/93*

*ad* *Gross* *See*

6/24/93  
~~RICHMOND TO REDWOOD~~

6/24/93  
~~RICHMOND TO REDWOOD~~

approval

EMCO SCALES

REMCO SCALES

TRANSPORTER  
*CID*

TRANSPORTER  
*CID*

TRUCK #  
*1*

TRUCK #  
*1*

TIME

TIME  
*11:55*

*866*

EIGHT  
*8340*

WEIGHT  
*8550*

EIGHT  
*24960*

WEIGHT  
*13180*

EIGHT  
*24150*

WEIGHT  
*9000*

EIGHT

WEIGHT

EIGHT  
*57,150.*

WEIGHT  
*30730*

TOTAL WEIGHT

TOTAL WEIGHT

*24,720*  
*13,340*

6/24/93

6/24/93

IS THIS WASTE NON-HAZARDOUS BY TITLE 22, C.C.R., ARTICLE 11?  YES  NO

IF YES, THIS PROFILE CERTIFIES THAT STATE OF CALIFORNIA NON-HAZARDOUS PROPERTIES ARE BASED ON CERTIFIED LABORATORY ANALYSES AND/OR GENERATOR KNOWLEDGE OF GENERATION PROCESS AND WASTESTREAM CONTAMINANTS.

IS THIS WASTE A RCRA TCLP WASTE?  YES  NO

IF YES, WASTE MUST ARRIVE AT FACILITY WITH A HAZARDOUS WASTE MANIFEST INCLUDING A COMPLETED BOX 1 WITH EPA CODES.

TO THE BEST OF MY KNOWLEDGE, I CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND CORRECT.

*David Rod*  
SIGNATURE

*dispatcher*  
TITLE

*6-24-93*  
DATE

FACILITY DECISION

ACCEPT \_\_\_\_\_ REJECT \_\_\_\_\_

BY *D. Nardone*

DATE \_\_\_\_\_



WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

No. 07636

19.51

800 Remco  
 Large to:

id: \$ Albany Ca  
 Weighed for:

Remco  
 Case delivered to:  
Richmond, Ca

70580      6-29-93      1:17P  
 LBS. GROSS  
 31560      LBS. TARE  
 39020      LBS. NET

RIVER'S NAME Q. Mader  
 LRT-10M (4-88)

UNITS	COMMODITY	MARKS
D1 + C1	Leit	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	<u>C. D.</u>
By <u>Jim Hooper</u> DEPUTY	DATE <u>6/29/93</u>	TRUCK LIC. NO. <u>4R60080</u>
By <u>Jim Hooper</u> DEPUTY	DATE <u>6/29/93</u>	SEMI LIC. NO. <u>1UV8845</u>
REMARKS <u>D.C. and/or L.C.</u>		TRAILER LIC. NO.
NOTE: Description and count of commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

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No. 07654  
20.22

Large to: 84 EIGHT BALL

City: ALBANY, CA

Weighted for: ~~EIGHT BALL~~

Place delivered to: RICHMOND, CA

Scale No: 32980

Station No: 73420

Date: 6-29-93

Gross Weight: 2168

Tare: CROSS

Net Weight: ONLY HD, HHD

Driver's Name: Don McLean

HT-10M (4-88)

UNITS	COMMODITY	MARKS
530+304	DIRT	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	BYAR'S
By <u>James W. [Signature]</u> DEPUTY	DATE <u>6/29/93</u>	TRUCK LIC. NO. <u>5P14529</u>
By _____ DEPUTY	DATE <u>1-1</u>	SEMI LIC. NO. _____
REMARKS		TRAILER LIC. NO. <u>FT 37594</u>
<p><u>D.C. and/or L.C.</u></p> <p>NOTE: Description and count of commodity supplied by driver and/or loader.</p>		

WEIGHMASTER CERTIFICATE

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No. 07652  
18.24

Large to: 400 Rensco

City: Albany, Ca

Weighted for: Rensco

Place delivered to: Richmond Ca

Scale No: 31560

Station No: 68040

Date: 6-29-93

Gross Weight: 2149P

Tare: Gross

Net Weight: Only 3u, H80

Driver's Name: A. Mauer

HT-10M (4-88)

UNITS	COMMODITY	MARKS
D-1	DIRT	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	C+D
By <u>Jim [Signature]</u> DEPUTY	DATE <u>6/29/93</u>	TRUCK LIC. NO. <u>4R60080</u>
By _____ DEPUTY	DATE <u>1-1</u>	SEMI LIC. NO. <u>1UC8845</u>
REMARKS		TRAILER LIC. NO. _____
<p><u>D.C. and/or L.C.</u></p> <p>NOTE: Description and count of commodity supplied by driver and/or loader.</p>		

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No. 07635  
19.89

4/29

Charge to: 800 Renco

Paid: \$ \_\_\_\_\_

WEIGHED FOR Albany Co.

MOSE. DELIVERED TO Renco

Richmond Co.  
72740

LBS. GROSS \_\_\_\_\_

LBS. TARE \_\_\_\_\_

LBS. NET \_\_\_\_\_

32950

39780

DRIVER'S NAME Byers

LRT-10M (4-88)

UNITS	COMMODITY	MARKS
5327531	Dirt	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	TRUCK LIC. NO. <u>SP 15366</u>
By <u>Jim Hopt</u> DEPUTY	DATE <u>6 29 93</u>	SEMI LIC. NO. <u>DT 23863</u>
By <u>Jim Hopt</u> DEPUTY	DATE <u>6 12 93</u>	TRAILER LIC. NO. _____
REMARKS		
<u>D.C. and/or L.C.</u> NOTE: Description and count of _____ commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

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No. 07648  
23.05

Charge to: 400 Renco

Paid: \$ \_\_\_\_\_

WEIGHED FOR Albany Co.

MOSE. DELIVERED TO Renco

Richmond Co.  
34000

30100

6-29-93 2:21P LBS. GROSS \_\_\_\_\_

LBS. TARE \_\_\_\_\_

LBS. NET \_\_\_\_\_

Gross Only 14,100

DRIVER'S NAME Mike H

RT-10M (4-88)

UNITS	COMMODITY	MARKS
990 + 990	Dirt	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	TRUCK LIC. NO. <u>R.H.T.</u>
By <u>Jim Hopt</u> DEPUTY	DATE <u>6 12 93</u>	SEMI LIC. NO. <u>9C 31389</u>
By _____ DEPUTY	DATE _____	TRAILER LIC. NO. <u>COL TMP</u>
REMARKS		
<u>D.C. and/or L.C.</u> NOTE: Description and count of _____ commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

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No. 07660  
30.60

Charge to: \$4<sup>00</sup> REMCO  
d. \$ \_\_\_\_\_

WEIGHED FOR ALBANY, CA.  
DELIVERED TO REMCO  
RICHMOND, CA.  
33100 LBS. GROSS  
74300  
GROSS ONLY  
41,200 LBS. NET  
DRIVER'S NAME Kerrin Kullig  
11-10M (4-88)

UNITS	COMMODITY	MARKS
920 + 920 - T	DIRT	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	<u>RFOT</u>
By <u>James R. Hopkins Jr.</u> DEPUTY	DATE <u>6/29/93</u>	TRUCK LIC. NO. <u>9C16444</u>
By _____ DEPUTY	DATE <u>1/1</u>	SEMI LIC. NO. <u>1046469</u>
REMARKS	TRAILER LIC. NO.	
<u>D.C. and/or L.C.</u>		
NOTE: Description and count of commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

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No. 07655  
19.97

Charge to: \$4<sup>00</sup> EIGHT BALL  
d. \$ \_\_\_\_\_

WEIGHED FOR ALBANY, CA.  
DELIVERED TO EIGHT BALL  
RICHMOND, CA.  
32960 LBS. GROSS  
72900  
GROSS ONLY  
39,940 LBS. NET  
DRIVER'S NAME A Byers  
11-10M (4-88)

UNITS	COMMODITY	MARKS
532 + 531	DIRT	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	<u>BYARIS</u>
By <u>James R. Hopkins Jr.</u> DEPUTY	DATE <u>6/29/93</u>	TRUCK LIC. NO. <u>SP25366</u>
By _____ DEPUTY	DATE <u>1/1</u>	SEMI LIC. NO. _____
REMARKS	TRAILER LIC. NO. <u>DT73863</u>	
<u>D.C. and/or L.C.</u>		
NOTE: Description and count of commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

No. 07640

22.77

Charge to: Remco

Paid: \$ Albany Co

WEIGHED FOR Remco

MOSE. DELIVERED TO Richmond Co

78640 6-29-93 12:31P  
LBS. GROSS  
33100 LBS. TARE  
45,540 LBS. NET

DRIVER'S NAME Kennethally

LRT-10M (4-88)

UNITS	COMMODITY	MARKS
920+920-T	dist	
<b>LEVIN-RICHMOND TERMINAL CORP.</b>		CARRIER
WEIGHMASTER		<u>R. H. T.</u>
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	TRUCK LIC. NO. <u>9C16444</u>
By <u>Jim Deppa</u> DEPUTY	DATE <u>6/29/93</u>	SEMI LIC. NO. <u>1U46469</u>
By <u>Jim Deppa</u> DEPUTY	DATE <u>6/29/93</u>	TRAILER LIC. NO.
REMARKS		
<u>D.C. and/or L.C.</u>		
NOTE: Description and count of commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

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No. 07645

22.08

Charge to: Remco

Paid: \$ 0

WEIGHED FOR Albany Co

MOSE. DELIVERED TO Remco

77260 6-29-93 2:46P  
LBS. GROSS  
33100 LBS. TARE  
44,160 LBS. NET

DRIVER'S NAME Kevin Kelly

LRT-10M (4-88)

UNITS	COMMODITY	MARKS
920+T	dist	
<b>LEVIN-RICHMOND TERMINAL CORP.</b>		CARRIER
WEIGHMASTER		<u>R. H. T.</u>
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	TRUCK LIC. NO. <u>9C16444</u>
By <u>Jim Deppa</u> DEPUTY	DATE <u>6/29/93</u>	SEMI LIC. NO.
By <u>Jim Deppa</u> DEPUTY	DATE <u>6/29/93</u>	TRAILER LIC. NO. <u>1U46469</u>
REMARKS		
<u>D.C. and/or L.C.</u>		
NOTE: Description and count of commodity supplied by driver and/or loader.		



WEIGHMASTER CERTIFICATE

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No. 07659  
2009

Charge to: \$400 Remco  
Paid: \$ 0

WEIGHED FOR ALBANY, CA  
MDSE. DELIVERED TO Remco  
RICHMOND, CA  
34000  
74180 6-29-93 4:25P  
GROSS LBS. GROSS  
ONLY LBS. TARE  
HD, 180 LBS. NET  
DRIVER'S NAME Mike H  
LRT-10M (4-88)

UNITS	COMMODITY	MARKS
990+990T	DIRT	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	RHT
By <u>James A. Hopkins</u> DEPUTY	DATE 6/29/93	TRUCK LIC. NO. 9C31389
By <u>James A. Hopkins</u> DEPUTY	DATE 6/29/93	SEMI LIC. NO.
REMARKS		TRAILER LIC. NO. CAL-TEMP
D.C. and/or L.C. NOTE: Description and count of commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

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No. 07637  
2187

Charge to: 800 Remco  
Paid: \$ 0

WEIGHED FOR Albany, Ca.  
MDSE. DELIVERED TO Remco  
Richmond, Ca.  
77740  
34000 6-29-93 12:59P  
LBS. GROSS  
43740 LBS. NET  
DRIVER'S NAME Mike H  
LRT-10M (4-88)

UNITS	COMMODITY	MARKS
990+990T	DIRT	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	RHT
By <u>Jim Dept</u> DEPUTY	DATE 6/29/93	TRUCK LIC. NO. 9C31389
By <u>Jim Dept</u> DEPUTY	DATE 6/29/93	SEMI LIC. NO. CAL TEMP
REMARKS		TRAILER LIC. NO.
D.C. and/or L.C. NOTE: Description and count of commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

No. 07634  
19.74

Charge to: 800 Remco

Paid: \$

WEIGHED FOR Albany Co

MDSE. DELIVERED TO Remco

Richmond Co

72460 6-29-93 1:40P  
LBS. GROSS

32980 6-29-93 12:01P  
LBS. TARE

39480 LBS. NET

WEIGHMASTER'S NAME  
RT-10M (4-88)

Dean M. Kelly

530 UNITS 309		COMMODITY	MARKS
532		<u>Silt</u>	
<b>LEVIN-RICHMOND TERMINAL CORP.</b>		CARRIER	
WEIGHMASTER		<u>Bryers</u>	
PHONE: (415) 232-4422	Weighed at:	402 Wright Ave. Richmond, Calif.	
By <u>Jim [Signature]</u>	DEPUTY	DATE	6/29/93
By <u>Jim [Signature]</u>	DEPUTY	DATE	6/29/93
REMARKS		TRUCK LIC. NO.	<u>SP14529</u>
<u>D.C. and/or L.C.</u>		SEMI LIC. NO.	<u>FT37594</u>
NOTE: Description and count of commodity supplied by driver and/or loader.		TRAILER LIC. NO.	—



WEIGHMASTER CERTIFICATE

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No. 07704  
16.85

430

Charge to: 460 Remco

Paid: \$ \_\_\_\_\_

WEIGHED FOR Albany Co  
Remco

ADSE. DELIVERED TO Richmond Co

30420  
64120

LBS. GROSS

Gross

LBS. TARE

Only

LBS. NET

DRIVER'S NAME Kevin Kelley  
LRT-10M (4-88)

UNITS	COMMODITY	MARKS
960 + B	Leat	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	<u>R.H.T.</u>
By <u>Jim Dwyer</u> DEPUTY	DATE <u>6/30/93</u>	TRUCK LIC. NO. <u>9C313PD</u>
By _____ DEPUTY	DATE <u>4-7</u>	SEMI LIC. NO. <u>YC5460</u>
REMARKS		TRAILER LIC. NO. _____
<p><u>D.C. and/or L.C.</u></p> <p>NOTE: Description and count of commodity supplied by driver and/or loader.</p>		

WEIGHMASTER CERTIFICATE

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No. 07712  
17.12

4.00  
Charge to: Remco

Paid: \$ 0

WEIGHED FOR Albany, Ca

MDSE. DELIVERED TO Remco

Richmond, Ca

30420

64500 LBS. GROSS

62055 LBS. TARE

ONLY LBS. NET

DRIVER'S NAME Kevin Kelley

LRT-10M (4-88)

UNITS	COMMODITY	MARKS
<u>960 + 911 +</u>	<u>Dirt</u>	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER <u>RHT</u>
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	TRUCK LIC. NO. <u>9C31587</u>
By <u>Dennis Kim</u> DEPUTY	DATE <u>6/30/93</u>	SEMI LIC. NO. —
By _____ DEPUTY	DATE <u>1/1</u>	TRAILER LIC. NO. <u>YC546</u>
REMARKS <u>D.C. and/or L.C.</u>		
NOTE: Description and count of commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

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No. 07709  
21.25

4.00  
Charge to: Remco

Paid: \$ 0

WEIGHED FOR Albany, Ca

MDSE. DELIVERED TO Remco

Richmond, Ca

74240

62055 LBS. GROSS

32140 LBS. TARE

ONLY LBS. NET

DRIVER'S NAME Stacy

LRT-10M (4-88)

UNITS	COMMODITY	MARKS
<u>950 + 950 +</u>	<u>Dirt</u>	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER <u>RHT</u>
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	TRUCK LIC. NO. <u>9C31388</u>
By <u>Dennis Kim</u> DEPUTY	DATE <u>6/30/93</u>	SEMI LIC. NO. —
By _____ DEPUTY	DATE <u>1/1</u>	TRAILER LIC. NO. <u>1VF5238</u>
REMARKS <u>D.C. and/or L.C.</u>		
NOTE: Description and count of commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

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No. 07673  
17.43

Charge to: Remco  
 Paid: \$ 0  
 WEIGHED FOR Albany, Ca  
 TO BE DELIVERED TO Remco  
Richmond, Ca  
 65280 6-30-93 10:15A  
 LBS. GROSS  
 30420 LBS. TARE  
 34860 LBS. NET  
 DRIVER'S NAME Karin Kelley  
 LRT-10M (4-88)

UNITS	COMMODITY	MARKS
960 + 960 T	DIRT	-
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	R. H. T.
By <u>Jim Depina</u> DEPUTY	DATE 6/30/93	TRUCK LIC. NO. 9C31387
By <u>Jim Depina</u> DEPUTY	DATE 6/30/93	SEMI LIC. NO. YC5460
REMARKS		TRAILER LIC. NO.
<u>D.C. and/or L.C.</u> NOTE: Description and count of commodity supplied by driver and/or loader.		

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

No. 07693  
18.31

Charge to: REMCO  
 Paid: \$ 0  
 WEIGHED FOR ALBANY, CA  
 TO BE DELIVERED TO REMCO  
RICHMOND, CA  
 30420  
 67040 LBS. GROSS  
 GROSS ONLY  
 LBS. TARE  
 LBS. NET  
 DRIVER'S NAME Karin Kelley  
 LRT-10M (4-88)

UNITS	COMMODITY	MARKS
960 + 960 T	DIRT	Q
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	R. H. T.
By <u>Harold Bodan</u> DEPUTY	DATE 6/30/93	TRUCK LIC. NO. 9C31387
By <u>Harold Bodan</u> DEPUTY	DATE 6/30/93	SEMI LIC. NO. YC5460
REMARKS		TRAILER LIC. NO.
<u>D.C. and/or L.C.</u> NOTE: Description and count of commodity supplied by driver and/or loader.		



WEIGHMASTER CERTIFICATE

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No. 07735<sup>950</sup>  
19.77

711

Charge to: 8<sup>00</sup> Remco

Paid: \$ \_\_\_\_\_

WEIGHED FOR Albany Co

MOSE. DELIVERED TO Remco

Richmond, Ca

71600 LBS. GROSS  
32140 LBS. TARE  
39540 LBS. NET

DRIVER'S NAME [Signature]  
LRT-10M (4-88)

UNITS	COMMODITY	MARKS
950 + 950 T	dit	
<b>LEVIN-RICHMOND TERMINAL CORP.</b> WEIGHMASTER		CARRIER
PHONE: (415) 232-4422	Weighed at: 402 Wright Ave. Richmond, Calif.	R.H.T. TRUCK LIC. NO. 9C31388
By <u>[Signature]</u> DEPUTY	DATE 7/11/83	SEMI LIC. NO. 1VF5238
By <u>[Signature]</u> DEPUTY	DATE 7/11/83	TRAILER LIC. NO. _____
REMARKS <u>D.C. and/or L.C.</u> NOTE: Description and count of commodity supplied by driver and/or loader.		



PLAN OF OPERATION  
REMCO PLANT IN RICHMOND

TARMAC Equipment Company, INC. manufactures a soil processor that uses a Thermal Desorption System for remediation of hydrocarbon contaminated soils. . The seven foot diameter rotary dryer is the size ordered for this site. It will process up to 60 tons of soil an hour. During the process, contamination from the soil is exposed to temperatures exceeding 1600 degrees fahrenheit. The volatile petroleum compounds are transferred into a gas phase where they are destroyed using thermal oxidation. The end results is a soil that is non detectable for hydrocarbon contamination.

Soil is unloaded from trucks at the infeed conveyor, it is positioned at the entrance of the metal framed building. Material loaded onto this conveyor will be elevated to a mechanical sizing screen. On the way up this conveyor unsuitable material will be picked off the line and deposited into a waste bin for large or foreign objects. After the initial cleaning of materials on the line an operator activates a flail that will break down the material from clumps to a more uniform size compatible with the screen.

A grizzly screen rejects the oversize material to a containment area for further separation. Soil passing through the screen is deposited into the cold storage feed bins at the start of the processing equipment. Soil is metered from the feed bins into a rotary dryer where it is manipulated and rolled over exposing the particles to temperatures that exhaust contamination from the soil. On exiting the dryer, soil is conveyed into a soil conditioner where water and additives lower the heat level and increase the moisture content which control dust. The conditioned soil is conveyed on a stacking conveyor and stockpiled onto the processed soil slab area ready for loading onto trucks.

The hydrocarbons in the soil are exposed to the heat in the dryer where they are changed into a gas. The exhaust gasses leave the dryer in a counterflow path and enter the oxidizer where they are subject to a gas fired burner. The contamination is destroyed and the exhaust air enters the heat exchanger where it is cooled and sent to the baghouse where the remaining air borne particulate is removed and returned to the dryer. The air from the baghouse is either recirculated or exhausted as clean air.

The soil storage building is sealed for air and placed under negative air pressure with the use of blowers that direct air into the supply air side of the rotary dryer. During the time the processing equipment is not operating, the air flow is directed through carbon filter absorbers that remove the airborne contaminates.

# REMEDIAL ENVIRONMENTAL MARKETING COMPANY

2717 GOODRICK AVENUE  
RICHMOND, CA 94801

## STATEMENT ABOUT REMCO

REMCO processes non-hazardous soil from fuel station tank removals, clean up of contaminated sites and others that have tried different methods of remediation and failed to meet the desired results. The REMCO soil remediation system treats the soil with an environmentally sound method that results in completely clean soil. The owners of REMCO have operated businesses on this site since 1974 under a Heavy Industrial Zoned Land Use Permit. Environmental related businesses are a growth industry and REMCO needs to keep up with the best available technology to remain a leader. Installation of the Thermal Soil Remediation system will meet the challenges of environmental clean up of contaminated sites in the Bay Area and Northern California.

## FLOW CHART

State Certified Testing Laboratories analyze representative samples of soil from each project to determine contamination and total petroleum hydrocarbon levels. Only Non-Hazardous material is accepted for processing as determined by testing regulations of the California Environmental Protection Agency (Cal EPA) and associated agencies. The Bay Area Air Quality Management District (BAAQMD) regulates the level of contamination that can be processed in compliance with the Clean Air Act.

Soil is unloaded into a building where a blower and two Carbon Bed filters remove the contamination from the air and exhaust the clean air. The building is maintained at a negative air pressure even when a door is open. Fugitive hydrocarbon emissions are absorbed when traveling through the carbon filters. The activated carbon is recycled on a regular schedule.

Material is screened and conveyed into a Rotary Dryer where flights in the drum lift and heat the soil. The cleaned soil moves from the dryer into the soil conditioner where water is added to cool the soil and provide dust control, then the clean soil is stacked by conveyor, ready for delivery. Testing of the final product confirms a clean soil that is non-detectable for petroleum hydrocarbons.

The clean soil is recycled and used for back-fill at the site of origin, structural fill, aggregate sales, landscaping berms, highway construction, any place soil is needed.

## LIST OF EQUIPMENT USED IN PROCESSING.

The Thermal Soil Processing equipment is trailer mounted and fully transportable for quick relocation and re-assembly. REMCO's rubber tire loader feeds material into the hopper and loads clean material back into trucks for delivery.

## EQUIPMENT

## PURPOSE OF EQUIPMENT

AIR TIGHT TENT	CONTROLLED NEGATIVE AIR BUILDING
FEED HOPPER	SCREENS, CONVEYS SOIL INTO SYSTEM
ROTARY DRYER	HEATS SOIL, DRIVING OFF CONTAMINATION
THERMAL OXIDIZER	CONSUMES HYDROCARBONS IN 1600 'F FLAME
FILTER BAGHOUSE	CLEANS EXHAUST AIR BELOW .01 GR/DSCF
SOIL CONDITIONER	ADDITIVES AND WATER FOR DUST CONTROL
STACKING CONVEYOR	LOADOUT FOR RECYCLED SOIL

## INTERNAL CIRCULATION MAP

Vehicles enter the site from Goodrick Avenue at the south gate. Trucks are weighed and paperwork checked before the trucks unload materials in the Sprung Tent or in the bermed area. Trucks are reloaded with clean soil, weighed and vehicles exit the site at the north gate onto Goodrick Avenue. Vehicles remain on the Berm path or in the paved yard while they are on site, limiting contact with dirt. The Berm restricts flow of materials and delineates the work area. The height of the berm is the same as floor height in the metal building.

There is ample queuing area for trucks on site and room for maneuvering trailers and hooking up rigs. The six acre site has been used by Eight Ball Line Trucking since 1974 and before that a construction company. Dust control is maintained with the use of a water truck and constant maintenance of paved areas.

## CONTAMINATION IN THE MATERIAL

Samples of contaminated soil are tested and reviewed by a State Certified Testing Laboratory following guidelines established by the Environmental Protection Agency Code of Federal Regulations. Soil is non-hazardous and not toxic as defined by Title 22 of the California Health and Safety Code. Soil contamination levels set by the BAAQMD is limited to three percent by weight of stable petroleum hydrocarbons and three tenths of one percent by weight for gasoline contamination.

Clean soil is stacked in the load-out area by a radial stacking conveyor. The soil is then loaded into trucks and returned to the point of origin for backfill or to customers for clean fill.

## CONTAINMENT OF SOIL

The soil will be contained in the portable tent structure for all light end petroleum hydrocarbon contaminated soil. This Sprung Structures Portable Tent is used in all climates and for many types of applications where the air in the building is contained and controlled. The air in the tent is vacuumed through carbon filters or burned in the oxidizer. Stable soil and processed soil is

contained in the bermed area that delineates vehicle traffic. Trucks are loaded with clean soil and delivered or picked up by customers.

#### SPRUNG STRUCTURES PORTABLE TENT

The Sprung Prefabricated Tent building is made of heavy duty ultraviolet protected waterproof fabric that is stretched over a structural aluminum frame at 3000 pounds per square foot tension. The tent is leased from Sprung Structures with parts available for repairs within 24 hours. A SPRUNG tent PG&E installed at their Pittsburg Power Plant is over 3 years old and looks brand new. The Sprung Portable Tent is approximately 26 foot tall with the peak located in the center of the structure. The building is rated for a high wind load of 120 mph. The color of the building is beige to match the metal building.

#### Traffic information

Remco has significantly reduced the traffic flow on Goodrick Avenue and the intersection of Parr Blvd. Eight Ball Line Trucking Company operations will be limited, Whitley Tire will be moving to another site, Environmental Transfer Service and their fleet of vehicles have stopped operations. Remco customers and services are going to remain the same for the foreseeable future. We are currently permitted for the business we are operating at this site and this is a trade off in techniques of treating soil not a new business. Letters from the County Planning Department show that this is an approved use for this site.

S E M C O  
ENVIRONMENTAL CONTRACTORS & GENERAL ENGINEERING  
1741 LESLIE STREET  
SAN MATEO, CALIFORNIA 94402

March 30, 1994

RECEIVED  
APR 1 1994  
HTA

Eva Chu  
Alameda County  
Environmental Health Department  
80 Swan Way  
Oakland, California 94621

Re: Addendum to tank removal report  
City of Albany, 1325 Portland Avenue, Albany

Dear Eva:

This letter is intended to serve as an addendum to the tank removal report for the City of Albany tank removal at the above mentioned address.

Mr. Dave Connell of Harlan Tait has brought it to my attention, that the water sample was reported in parts per million. Upon researching this with the laboratory, it was noted that a mistake was made on the certificate, and should have been in parts per billion.

Please find the attached revised certificate from Superior Precision Analytical, showing the water sample analysis in parts per billion.

I apologize for the inconvenience of the addendum.

If you have any questions, please give me a call.

Sincerely,

  
Rhonda Reames-Kiper  
SEMCO-SAN MATEO

cc: Jason Baker, City of Albany  
Dave Connell, Harlan Tait  
Files



# Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

SEMCO  
Attn: Terry Hamilton

Project CITY OF ALBANY-93-3092  
Reported: 07/02/93  
Revised: 03/30/94

## TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
56694-1	PIT H2O-20'	06/29/93	07/01/93 Water
56694-2	NE-SIDEWALL-15'	06/29/93	07/01/93 Soil
56694-3	SE-SIDEWALL-15'	06/29/93	07/01/93 Soil

## RESULTS OF ANALYSIS

Laboratory Number:	56694-1	56694-2	56694-3
Benzene:	ND<0.3	ND<.003	ND<.003
Toluene:	ND<0.3	ND<.003	ND<.003
Ethyl Benzene:	ND<0.3	ND<.003	ND<.003
Total Xylenes:	ND<0.9	ND<.009	ND<.009
Diesel:	320	ND<10	ND<10
Concentration:	ug/L	mg/kg	mg/kg



# Superior Precision Analytical, Inc.

1555 Burke, Unit I • San Francisco, California 94124 • (415) 647-2081 / fax (415) 821-7123

## C E R T I F I C A T E O F A N A L Y S I S

### ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

Page 2 of 2  
QA/QC INFORMATION  
SET: 56694

NA = ANALYSIS NOT REQUESTED  
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT  
ug/L = parts per billion (ppb)  
mg/kg = parts per million (ppm)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:  
Minimum Detection Limit in Water: 5000ug/L  
Minimum Detection Limit in Soil: 50mg/kg

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:  
Minimum Quantitation Limit for Diesel in Water: 50ug/L  
Minimum Quantitation Limit for Diesel in Soil: 10mg/kg

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:  
Minimum Quantitation Limit for Gasoline in Water: 50ug/L  
Minimum Quantitation Limit for Gasoline in Soil: 1mg/kg

EPA SW-846 Method 8020/BTXE  
Minimum Quantitation Limit in Water: 0.3ug/L  
Minimum Quantitation Limit in Soil: 0.003ug/kg

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Benzene:	89/87	3	75-114
Toluene:	90/87	3	78-114
Ethyl Benzene:	91/90	2	76-120
Total Xylenes:	85/84	2	71-117
Diesel:	101/99	2	75-125

*Cecilia A. Joaquin*  
Senior Chemist  
Account Manager

**APPENDIX B**



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



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. Jason Baker  
City of Albany  
1000 San Pablo Ave.  
Albany, CA 94706

STID 4463

Re: Required investigations at 1325 Portland Ave., Albany, CA

**NOTICE OF VIOLATION**

Dear Mr. Baker,

On July 23, 1993, this office sent you a letter requiring you to submit a work plan for investigations at the above site. This work plan was due by September 23, 1993. To this date, this office has not received a work plan, nor any correspondence requesting an extension for the submittal due date.

Investigations are required at the site in response to the observed release of diesel. On June 23, 1993, a 1,500-gallon heating oil underground storage tank (UST) was removed from the above site. Holes were noted in the tank and stained soils were noted in the tank pit. Soil samples were collected from the bottom and sidewalls of the tank pit. Concentrations of Total Petroleum Hydrocarbons as diesel (TPHd) were identified in all the soil samples, the highest concentration being 590 ppm along the southeast sidewall.

Subsequently, the tank pit was overexcavated on June 28, 1993, and confirmatory soil samples were collected from the northeast and southeast walls of the pit, and one ground water sample was collected. According to the laboratory analysis results, it appears that the bulk of soil contamination has been removed from the tank pit. However, the analysis results of the ground water sample identified 320 ppb diesel.

Guidelines established by the California Regional Water Quality Control Board (RWQCB) requires that investigations be conducted when there is evidence to indicate that a release from an UST may have impacted soil and ground water.

You are required to conduct a Preliminary Site Assessment (PSA) to determine the lateral and vertical extent and severity of ground water contamination which has resulted from the release at

Mr. Jason Baker  
Re: 1325 Portland Ave.  
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the site. The information gathered by the PSA will be used to determine an appropriate course of action to remediate the site, if deemed necessary. The PSA must be conducted in accordance with the RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, and be consistent with requirements set forth in Article 11 of Title 23, California Code of Regulations. The major elements of such an investigation are summarized in the attached Appendix A. Guidelines for the required investigations are further detailed in the attached copy of the July 23, 1993 letter from this office.

You are required to submit the required work plan within 45 days of the date of this letter. This is a formal request for a technical report pursuant to Section 2722, Article 11, Title 23 California Code of Regulations. Any extensions of the deadline must be approved in writing by either this agency or RWQCB.

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

Sincerely,

  
Juliet Shin  
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney's Office  
Edgar Howell-File(JS).

# APPENDIX C

RILL RIG: Hollow Stem	SURFACE ELEVATION (feet):	LOGGED BY: O.L. SNYDER
DEPTH TO GROUNDWATER (feet): 8	BORING: 6.0" AUGER	DATE DRILLED: 03/30/92

DESCRIPTION AND CLASSIFICATION		DEPTH (FEET)	SAMPLER	SPT BLOWS PER FOOT	WATER CONTENT	DRY DENSITY PCF	COMMENTS	
DESCRIPTION AND REMARKS	SOIL TYPE							
AC. and Base ARTIFICIAL FILL - dusky yellowish brown (10YR2/2) silty clay, moist, moderate compaction	CL	0						
		1						
		2						
		3						
ALLUVIUM - Dusky yellowish brown (10YR4/2) silty clay, moist, stiff	CL	4						
		5						
		6		20	15	109		
7								
8' 5" increase in sand content		8						
8' cobble layer, seepage moderate yellowish, brown (10YR5/4) silty sandy clay, wet, with scattered gravel, very stiff	GW	8						
	CL	9						
10' clayey silty gravel, rounded cobbles to 1/2" diameter, wet, dense	GM	10						
		11		16	17	116		
		12						
		13						
15' serpentine cobbles, sampler driven through weathered, cobble, dark green serpentine, moist, dense	GW	14						
		15						
		16		27	18	123		
		17			28			
		18						
		19						
		20						

EXPLORATORY BORING LOG		
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ROGERS/PACIFIC, INC

DRILL PIG: Hollow Stem	SURFACE ELEVATION (feet):	LOGGED BY: D.L. SNYDER
DEPTH TO GROUNDWATER (feet): 8	BORING: 6.0" AUGER	DATE DRILLED: 03/30/92

**DESCRIPTION AND CLASSIFICATION**

DESCRIPTION AND REMARKS	SOIL TYPE	DEPTH (FEET)	SAMPLER	SPT BLOWS PER FOOT	WATER CONTENT	DRY DENSITY PCF	COMMENTS	
<p>@ 20' crushed serpentine, well indurated large cobbles, disturbed recovery, moist, very dense</p>           <p>@ 25' Hard serpentine continued, unweathered cobbles, moist, very dense</p>           <p>@ 30' serpentine continues</p>	GW	20						
		21		50/4"	15	-		
		22						
		23						
		24						
		25		25		50/5"	8.0	102
		26		26		50/3"		
		27		27				
		28		28				
		29		29				
		30		30		50/3"	2.0	121
		31		31				
<p>Total Depth = 32' Groundwater encountered at 8' Hole backfilled and tamped</p>		32						
		33						
		34						
		35						
		36						
		37						
		38						
		39						
		40						

**EXPLORATORY BORING LOG**

ROGERS/PACIFIC, INC

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