HTA **Harlan Tait Associates**

Consulting Engineers and Geologists

[redacted]
Project No. 653.061

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

SUBJECT: **PRELIMINARY INVESTIGATION AND EVALUATION REPORT**
ALBANY CORPORATION YARD
507 San Gabriel Avenue, Albany, California

Dear Ms. Hugo:

On behalf of the City of Albany, Harlan Tait Associates (HTA) is pleased to submit the enclosed Preliminary Investigation and Evaluation Report for the evaluation of soil and groundwater contamination in the area of the removed underground fuel storage tank at the Corporation Yard in Albany, California. This document is being submitted in response to the February 11, 1992, letter from the Alameda County Department of Environmental Health (ACDEH) to the City of Albany requesting further assessment of the site. Our Site Contamination Assessment Workplan outlining the planned services was submitted to the ACDEH on July 2, 1992, and subsequently approved by Ms. Hugo.

Our investigation indicates that very low concentrations of hydrocarbons are present in the soil and groundwater adjacent to the old tank location. However, the concentrations are below the State of California Regional Water Quality Control Board and Department of Health Services action levels and maximum contaminant levels for drinking water. Therefore, in our opinion, no further evaluation is required and the site should be closed. If you have any questions or require additional information, please call the undersigned.

Very truly yours,

HARLAN TAIT ASSOCIATES

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

Enc: Preliminary Investigation and Evaluation Report

cc: City of Albany, ATT: Jason Baker (3 copies)

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HTA Harlan Tait Associates

Consulting Engineers and Geologists

PRELIMINARY INVESTIGATION AND EVALUATION REPORT

CORPORATION YARD
507 SAN GABRIEL, ALBANY, CALIFORNIA

prepared for

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

by

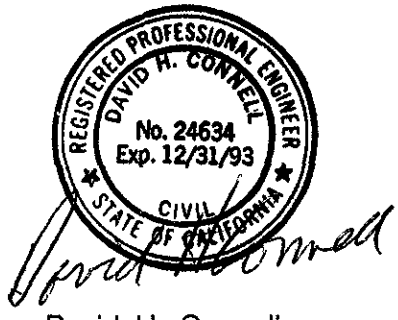
HARLAN TAIT ASSOCIATES

Project No. 653.061

October 9, 1992

The Preliminary Investigation and Evaluation Report (PIER) presented herein has been prepared in accordance with the scope of services outlined in our proposal dated June 3, 1992. The purpose of this study was to respond to the February 11, 1992, letter from the Alameda County Department of Environmental Health to the City of Albany requesting further assessment of the site following removal of a 250-gallon underground fuel tank. Our workplan for performing the work was submitted on July 2, 1992, and subsequently approved by Ms. Susan Hugo of the Alameda County Health Care Services Agency, Department of Environmental Health.

The work was performed under the direction of a State of California Registered Civil Engineer.



David H. Connell
Civil Engineer 24634

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I. INTRODUCTION

This document presents the results of our evaluation of soil and groundwater contamination at the location of the former 250-gallon underground fuel storage tank at the City of Albany Corporation Yard. The corporation yard is located at 507 San Gabriel Avenue. The former tank location is shown on Figure 1, Site Plan. 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 Agency, Department of Environmental Health (ACDEH).

The tank was excavated and removed from the site, and disposed of as hazardous waste on August 22, 1991.

This work was performed in response to a letter from the ACDEH to the City of Albany dated February 11, 1992, a copy of which is included in Appendix A. The purpose of this study is to evaluate the vertical and lateral extent of soil contamination and to test a groundwater sample to evaluate if the groundwater has been affected by petroleum hydrocarbon compounds in the proximity of the location of the former tank.

Methods and procedures utilized for collecting and analyzing samples of soil and groundwater are described and conform to the methodology required by the Tri-Regional Board Staff Recommendations (August 10, 1990) to the State of California Water Resources Control Board's Leaking Underground Fuel Tank (LUFT) Manual for assessing and reporting soil and groundwater quality contamination associated with closure of underground storage tanks.

II. BACKGROUND DATA

A. Site Description

The corporation yard is presently occupied by improvements consisting of U-shaped, one-story wood-frame buildings with raised wood, asphaltic concrete (AC) or concrete floors. The interior portion of the yard, exterior to the structures, is generally covered with asphaltic concrete. A 250-gallon underground gasoline tank was located within the San Gabriel Avenue right-of-way and a pump was located in the corporation yard, both just north of the yard gate, as shown on Figure 1. A concrete slab covers the pump area and AC covers the removed tank location.

The corporation yard is approximately 7500 square feet in size and is bordered on three sides by Hill Lumber Company property and on the west side by San Gabriel Avenue. The Hill Lumber Company property adjacent to the corporation yard is presently undeveloped land used for storing lumber. Most of the ground surface is barren with some weeds and a few pieces of concrete and asphalt debris.

The concrete-encased channel for El Cerrito Creek runs through the Hill Lumber property as shown on Figure 1. The channel is about 3 feet deep and 5 feet wide and is covered by a thin layer of soil over most of its length.

B. Physical Setting

The site is located on an alluvial plane 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. The alluvial deposits generally consist of interbedded clays and silts with sand and gravel zones. At the site, the alluvial materials are believed to be in excess of 50 feet thick. The site is approximately one mile southwest of the Hayward fault. There are no known active faults traversing the site.

The site is generally level, at an elevation of about 65 feet (MSL). The ground surface in the site area generally slopes gradually in a westerly direction toward the San Francisco Bay.

Review of available groundwater data in the site area shows that the depth to groundwater is about 8 to 12 feet and the gradient generally follows the ground surface and slopes to the west. About 2000 feet west of the site, Albany Hill acts as a groundwater barrier causing the groundwater to locally flow north towards El Cerrito Creek. At the site, the shallow groundwater gradient is probably not influenced by El Cerrito Creek due to its encasement.

C. Tank Excavation, Removal and Disposal

The tank was removed on August 22, 1991, by SEMCO, Environmental and General Engineering Contractors. The tank was disposed of by SEMCO as hazardous waste. After removal, the hole was filled with crushed rock and covered with asphalt. The stockpile material was taken to the Albany landfill to aerate. No holes or other structural defects were noted in the tank removal report.

D. Soil Sampling and Analyses

Following tank removal, a sample of soil from below the tank and a composite sample of the stockpile were taken and tested for total petroleum hydrocarbons as gasoline (TPH), total lead, and benzene, toluene, ethylbenzene, and xylene (BTEX). The composite sample revealed 560 parts per million (ppm) TPH and 0.4 to 30 ppm BTEX. The only constituents detected in the sample taken from below the tank were 0.009 ppm benzene and 0.007 ppm ethylbenzene. Total lead was not detected in either sample. Sample testing was performed by Superior Precision Analytical Inc. laboratories, San Francisco, California. Table 1 lists the analytical results, analytical methods used, and detection limits. The tank removal report including analytical results and chain of custody record are included with the Workplan in Appendix A.

III. FIELD EXPLORATION AND SAMPLING

A. Permitting

Before beginning field work, a drilling permit was obtained from Zone 7 Water Agency. A copy of this permit is included in Appendix B.

B. Field Exploration and Sampling

On August 25, 1992, Tonto Environmental Drilling, Inc. performed one cone penetration hole and advanced three other holes to obtain soil and water samples. The holes were advanced and samples taken under the direction of a registered geologist from Harlan Tait Associates. The cone and sampling holes were located as close to the west, north and south edges of the old tank as physically possible accounting for the rig size and the building and power pole restrictions. The hole locations are shown on Figure 1.

1. Cone Penetrometer Testing

One cone penetration hole was performed to a depth of about 26 feet (7.95 meters) to determined the subsurface stratigraphy and groundwater depth. The results and interpretation of the cone data are presented in Appendix C.

2. Soil and Water Sample Collection

From three other cone-size holes located adjacent to three sides of the old tank location, soil samples were obtained at about 5-foot intervals. Soil samples were taken using a steel cone-tipped probe with a retractable center, which when locked into place exposes a sample barrel with brass liners that is pushed ahead to retrieve a sample. Soil samples were collected in 1-inch diameter by 6-inch long brass liners filled sufficiently so that no headspace is present in the liner. Both ends of the liner were 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. Our standard operating procedures for sample collection and handling are in Appendix D.

In the hole west (downgradient) of the tank, sampling of the groundwater was attempted using a Hydropunch II. After several unsuccessful attempts to obtain water

samples with the Hydropunch, a probe hole was pushed to a depth of 11.8 feet (3.6 meters), water was then allowed to enter the hole for two hours. The water level was then measured at a depth of 8.6 feet below the ground surface and a water sample obtained from the hole using a teflon bailer. After sampling, the water was placed in appropriate containers supplied by the analytical laboratory and each container was filled completely with no headspace. Each sample container was 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 cone penetrometer and probe equipment was steam-cleaned and sampling equipment was 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. Generated rinsate and wash waters were placed in a container and hauled off the site by Tonto for proper disposal. All holes were backfilled with neat cement grout at the completion of the work.

3. Stockpile Sample

The location of the tank removal stockpile material previously placed at the Albany landfill after tank removal was shown to our geologist by City of Albany personnel. A composite sample of the stockpile material was obtained using a disposable scoop and placed in a brass liner filled with soil so that no headspace is present. The liner was prepared as described above for soil samples and transported to the laboratory.

C. Subsurface Conditions

Based on the results of the cone penetrometer and visual classification of the soil samples, the soils encountered at the site generally consist of stiff to very stiff sandy and silty clays, with thin layers of sandy silt to silty sand at depths of about 6, 9.5 and 15 feet.

Groundwater was measured at a depth of 8.6 feet in a probe hole adjacent to CPT-1 approximately two hours after completion of the hole. Groundwater was not measured in the other cone or probe holes. Groundwater levels will vary with time and location depending on rainfall, runoff and other factors.

IV. ANALYTICAL TEST RESULTS

Our testing program consisted of testing selected soil and water samples for the presence of total petroleum hydrocarbons as gasoline (TPH), benzene, toluene, ethylbenzene and xylene (BTEX), and total lead. Six soil samples from the probe holes (two from each hole), one composite soil sample from the stockpile, one groundwater sample, and a blank water sample (for QA/QC) were analyzed. All analyses were conducted by Superior Precision Analytical, Inc., San Francisco, California (State of California Certification Nos. 1332 and 1542).

A summary of the test results is presented on Table 2, and the complete laboratory report is included in Appendix E. The analytical protocol for water and soil testing including detection limits are presented on Tables 3 and 4, respectively. The analytical protocol is the minimum verification analyses for soil and water with respect to leaded gasoline tank contamination assessment as listed on Table 2 in the Tri-Regional Recommendations to the LUFT Manual (August, 1990).

The water sample contained 91 parts per billion (ppb) TPH, 0.3 to 4 ppb BTEX, and 0.4 parts per million (ppm) total lead. The soil samples from 4.0 feet in CPT-1, 6.0 and 12.0 feet in CPT-2, 14.0 feet in CPT-3, and the stockpile had no detectable concentrations of TPH or BTEX. The soil samples from 8.0 feet in CPT-1, and 7.0 feet in CPT-3, contained 6 and 3 ppm TPH, respectively, less than one ppm ethylbenzene and xylene, and no detectable concentrations of benzene and toluene. Total lead concentrations in the soils ranged from 6 to 41 ppm.

V. CONCLUSIONS AND DISCUSSION

Our investigation and the results of analytical testing indicate that detectable but very low concentrations of gasoline petroleum hydrocarbons, benzene, toluene, ethylbenzene, and xylene are present in the groundwater sample obtained from a cone probe hole located immediately west (downgradient) of the old tank location. Detectable concentrations of petroleum hydrocarbons, ethylbenzene, and xylene are present in two of the soil samples. The composite sample from the tank removal stockpile did not have detectable levels of petroleum hydrocarbons.

Even though petroleum hydrocarbons were detected in the groundwater sample, the detected concentrations are below maximum contaminant levels (MCL) for drinking water based on the California Code of Regulations, Title 22, Chapter 15, Article 5.5, and for benzene and toluene the concentrations are at or below California Department of Health Services Action Levels (AL). The groundwater concentrations, MCL, and AL are as follows:

Constituent	Groundwater Concentrations mg/l	Maximum Contaminant Level mg/l	Action Level mg/l
Total Petroleum Hydrocarbons	0.091	No standard	NA
Benzene	0.0007	0.001	0.0007
Toluene	0.0003	No standard	0.100
Ethylbenzene	0.004	0.680	NA
Xylene	0.0004	1.750	NA

Based on the requirements of the Tri-Regional Board Staff Recommendations (August 10, 1990) to the Leaking Underground Fuel Tank (LUFT) Field Manual published by the California State Water Resources Control Board (1989), the action level for TPH in soil is 100 ppm for groundwater depths less than 25 feet. Measured concentrations of TPH in the soil samples are either non-detected or much below this amount (3 and 6 ppm).

Measured concentrations of petroleum hydrocarbons in the soil and groundwater at the location of the old removed corporation yard underground fuel storage tank are below all published action levels by the State of California. Therefore, in our opinion, no further assessment of the site is required and no site remediation is necessary.

No petroleum hydrocarbons were detected in the composite sample taken from the tank removal stockpile at the landfill. In our opinion the hydrocarbons in the stockpile soil have volatilized by aeration and no further treatment or disposal is required.

TABLE 1

ANALYTICAL RESULTS
TANK REMOVAL SOIL SAMPLES

Analytical results on soil samples taken during tank removal on August 22, 1991.

SAMPLE NO./ANALYSES	*1 Below Tank, 10'*	*2 Composite*	*DETECTION LIMIT*
TPH-G (EPA 5030/CADHS-LUFT)	*ND*	*560*	*1 mg/kg*
TOTAL LEAD (EPA 7420/CADHS-LUFT)	*ND*	*ND*	*10 mg/kg*
PURGEABLE AROMATICS (EPA 5030/8020)			
Benzene	*9*	*400*	*3 ug/kg*
Toluene	*ND*	*2400*	*3 ug/kg*
Ethylbenzene	*7*	*4300*	*3 ug/kg*
Xylene	*ND*	*30,000*	*3 ug/kg*

Notes:

TPH (G)	Total petroleum hydrocarbons as gasoline
ug/l	Micrograms per liter (parts per billion)
mg/l	Milligrams per liter (parts per million)
mg/kg	Milligrams per kilogram (parts per million)
ND	Not detected in excess of the analytical detection limit stated.

TABLE 2

ANALYTICAL TEST RESULTS
SOIL AND WATER SAMPLES
PRELIMINARY INVESTIGATION STUDY

Sample	Depth (feet)	Sample Type	TPH (G)	Benzene	Toluene	Ethylbenzene	Xylene	Total Lead	Measurement Units
CPT-1	-	Water	91	0.7	0.3	4.0	0.4	0.4 mg/l	ug/l
CPT-1	4.0	Soil	<1	<.003	<.003	<.003	<.003	16	mg/kg
CPT-1	8.0	"	6	<.003	<.003	0.061	0.45	6	mg/kg
CPT-2	6.0	"	<1	<.003	<.003	<.003	<.003	7	mg/kg
CPT-2	12.0	"	<1	<.003	<.003	<.003	<.003	6	mg/kg
CPT-3	7.0	"	3	<.003	<.003	0.014	0.013	8	mg/kg
CPT-3	14.0	"	<1	<.003	<.003	<.003	<.003	10	mg/kg
Stockpile Composite	-	"	<1	<.003	<.003	<.003	<.003	41	mg/kg

Notes:

TPH (G) Total petroleum hydrocarbons as gasoline
ug/l Micrograms per liter (parts per billion)
mg/l Milligrams per liter (parts per million)
mg/kg Milligrams per kilogram (parts per million)

TABLE 3

ANALYTICAL PROTOCOL
GROUNDWATER SAMPLES

Analyses	*Container*	*Analytical Method*	*Minimum Detection Limit*
TPH-G	*40 Milliliter Glass Vial*	*EPA 5030/8015*	*50 ug/l*
TOTAL LEAD	*1 Liter Glass Bottle*	*EPA 6010*	*0.1 mg/l*
BTXE	*40 Milliliter Glass Vial*	*EPA 5030/8020*	*0.0003 mg/l*

TABLE 4

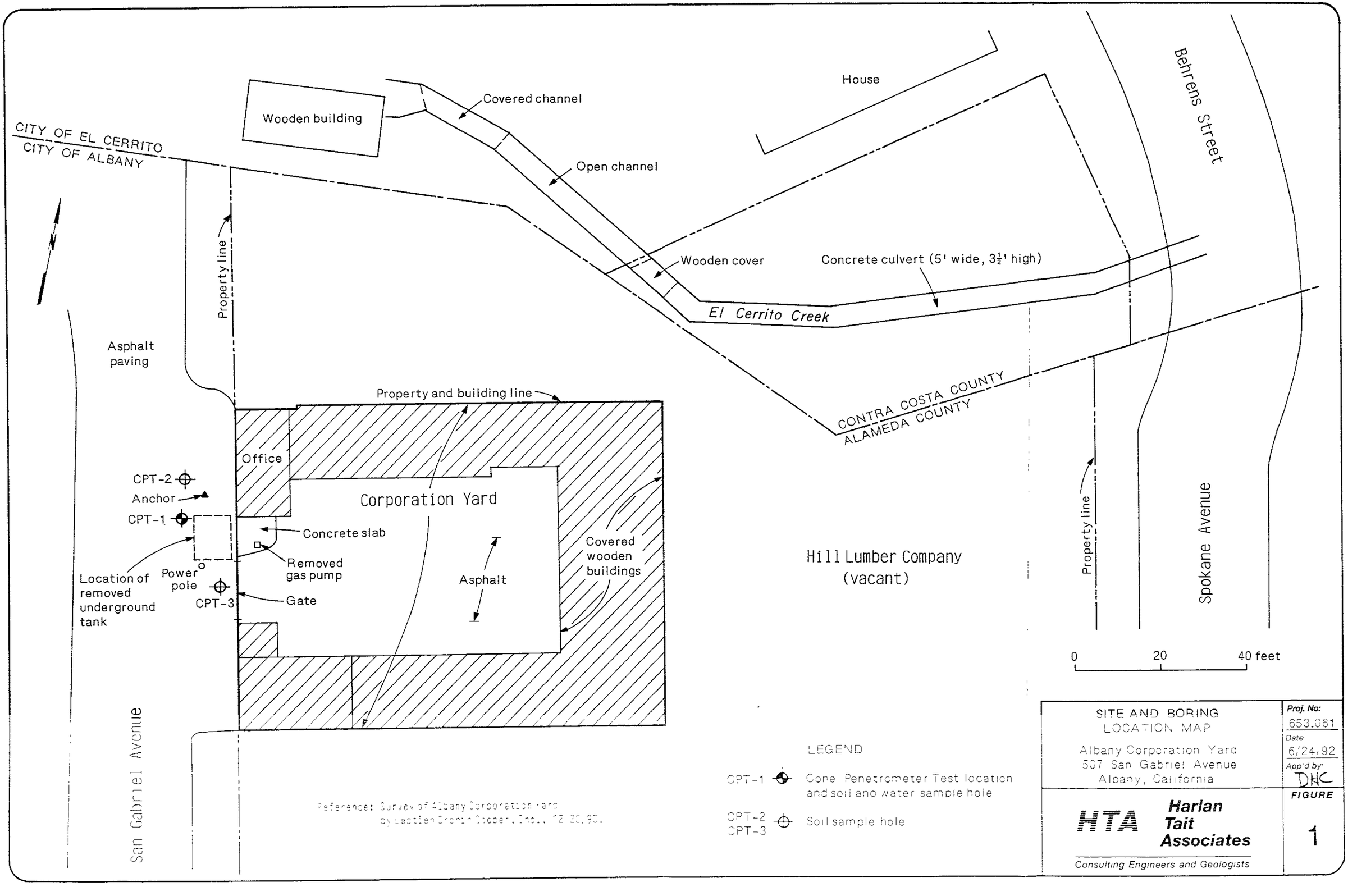
ANALYTICAL PROTOCOL
SOIL SAMPLES

Analyses	*Analytical Method*	*Minimum Detection Limit*
TPH-G	*EPA 5030/8015*	*1.0 mg/kg*
TOTAL LEAD	*EPA 6010*	*5.0 mg/kg*
BTEX	*EPA 5030/8020*	*3.0 ug/kg*

TPH-G Total Petroleum Hydrocarbons - Gasoline Fraction

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

FIGURES



SITE AND BORING LOCATION MAP

Albany Corporation Yard
507 San Gabriel Avenue
Albany, California

Proj. No: 653.061
Date: 6/24/92
App'd by: DHC

FIGURE 1

HTA Harlan Tait Associates
Consulting Engineers and Geologists

APPENDIX A

PRELIMINARY REPORT AND SITE CONTAMINATION WORKPLAN

CORPORATION YARD
507 SAN GABRIEL, ALBANY, CALIFORNIA

prepared for

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

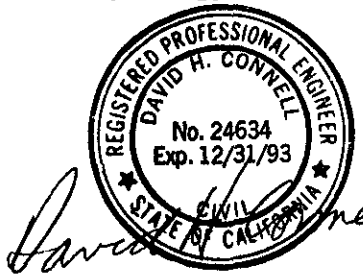
by

HARLAN TAIT ASSOCIATES

Project No. 653.061 July 2, 1992

The Preliminary Report and Site Contamination Workplan presented herein have been prepared in accordance with the scope of services outlined in our proposal dated June 3, 1992. The scope of the workplan presented was developed as a result of a telephone conversation with Ms. Susan Hugo of the Alameda County Health Care Services Agency, Department of Environmental Health. 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) for assessing and reporting soil and groundwater quality contamination associated with closure of underground storage tanks.

The Preliminary Report and Site Contamination Workplan presented herein were 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

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I. INTRODUCTION

This document presents the site contamination workplan for evaluation of soil and groundwater contamination at the location of the former 250-gallon underground fuel storage tank at the City of Albany Corporation Yard. The corporation yard is located at 507 San Gabriel Avenue. The former tank location is 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 Agency, Department of Environmental Health (ACDEH).

The tank was excavated and removed from the site, and disposed of as hazardous waste on August 22, 1991.

This workplan is presented in response to a letter from the ACDEH to the City of Albany dated February 11, 1992, a copy of which is in Appendix A. The purpose of this study is to evaluate the vertical and lateral extent of any soil contamination and to test a groundwater sample to evaluate if the groundwater has been affected by 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 corporation yard is presently occupied by improvements consisting of U-shaped, one-story wood-frame buildings with raised wood, asphaltic concrete or concrete floors. The interior portion of the yard, exterior to the structures, is generally covered with asphaltic concrete. A 250-gallon underground gasoline tank was located within the San Gabriel Avenue right-of-way and a pump was located in the corporation yard, both just north of the yard gate, as shown on Figure 1. A concrete slab covers the pump area and asphalt covers the removed tank location.

The corporation yard is approximately 7500 square feet in size and is bordered on three sides by Hill Lumber Company property and on the west side by San Gabriel Avenue. The Hill Lumber Company property adjacent to the corporation yard is presently undeveloped land used for storing lumber. Most of the ground surface is barren with some weeds and a few pieces of concrete and asphalt debris.

The concrete encased channel for El Cerrito Creek runs through the Hill Lumber property as shown on Figure 1. The channel is about 3 feet deep and 5 feet wide and is covered by a thin layer of soil over most of its length.

B. Physical Setting

The site is located on an alluvial plane 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. The alluvial deposits generally consist of interbedded clays and silts with sand and gravel zones. At the site, the alluvial materials are believed to be in excess of 50 feet thick. The site is approximately one mile southwest of the Hayward fault. There are no known active faults traversing the site.

The site is generally level, at an elevation of about 65 feet (MSL). The ground surface in the site area generally slopes gradually in a westerly direction toward the San Francisco Bay (see Figure 2).

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.

Based on this data, shallow groundwater is estimated to be at a depth of about 8 to 12 feet underlying the site. As shown on Figure 2, the available groundwater data shows that the gradient generally follows the ground surface and slopes to the west. About 2000 feet west of the site, Albany Hill acts as a groundwater barrier causing the groundwater to flow north towards El Cerrito Creek. At the site, the shallow groundwater gradient is probably not influenced by El Cerrito Creek due to its encasement.

C. Tank Excavation, Removal and Disposal

The tank was removed on August 22, 1991, by SEMCO, Environmental and General Engineering Contractors. The tank was disposed of by SEMCO as hazardous waste. After removal, the hole was filled with crushed rock and covered with asphalt. The stockpile material was taken to the Albany landfill to aerate. No holes or other structural defects were noted in the tank removal report.

D. Soil Sampling and Analyses

Following tank removal, a sample of soil from below the tank and a composite sample of the stockpile were taken and tested for total petroleum hydrocarbons as gasoline (TPH), total lead, and benzene, toluene, ethylbenzene, and xylene (BTEX). The composite sample revealed 560 parts per million (ppm) TPH and 0.4 to 30 ppm BTEX. The only constituents detected in the sample taken from below the tank were 0.009 ppm benzene and 0.007 ppm ethylbenzene. Total lead was not detected in either sample. Sample testing was performed by Superior Precision Analytical Inc. laboratories, San Francisco, California. Table 2 lists the analytical results, analytical methods used, and detection limits. The tank removal report including analytical results and chain-of-custody record, are presented in Appendix B.

An Underground Storage Tank Unauthorized Release/Contamination Site Report was filed by the City of Albany. A copy of the report is presented in Appendix C.

III. SITE CONTAMINATION WORKPLAN

A. Introduction

The following is the proposed workplan for evaluating soil and groundwater contamination in the area of the removed fuel tank. Phase 1 will involve collecting and analyzing soil and groundwater samples from the tank area to evaluate if uppermost groundwater at the site and soil adjacent to and below the old tank are 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 by a State of California Registered Geologist working 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 LIA 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.

1. Soil and Groundwater Sampling

Retain V.B.I. In-Situ Testing Inc. to perform one cone penetration hole to determine the subsurface stratigraphy and groundwater depth. Next, from three other cone-size holes located adjacent to three sides of the old tank location (see Figure 1), obtain soil samples at about 5 foot intervals, and in the hole west (downgradient) of the tank obtain a water sample using a Hydropunch II. Soil samples will be collected in minimum 1-inch diameter by 3-inch long brass liners 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, sealed with tape, 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.

Obtain a composite sample of the tank removal stockpile material presently located at the landfill. A small disposable spoon or spade will be used to obtain the composite sample. The soil will be placed in a glass jar with a teflon top obtained from the laboratory. The jar will be filled with soil so that no headspace is present. The jar will be labeled, stored and transported to the laboratory.

Water samples will be transferred from the Hydropunch to 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 cone penetrometer equipment will be steam-cleaned and sampling equipment will be field decontaminated by washing in clear water, washing in a mixture of Alconox and clear water, rinsing in clear water, rinsing in distilled water, and allowing to air dry. Generated rinsate and wash waters will be placed in a DOT approved 55-gallon capacity steel drum, marked, and securely stored at the site. Final disposition will be based in part on soil confirmation sample analyses.

2. Analyses

All analyses will be conducted by Coast to Coast Analytical Services Laboratory, Benicia, California (State of California Certification No. 1719). The proposed analytical protocol is presented on Tables 3 and 4. The proposed analytical protocol is the minimum verification analyses for soil and water with respect to leaded gasoline tank contamination assessment as listed on Table 2 in the LUFT Manual (revised August, 1990).

Analyze 6 soil samples from the holes (2 from each hole), 1 composite soil sample from the stockpile, 1 groundwater sample and a blank water sample (for QA/QC) for TPH, BTEX and total lead.

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 and cross sections illustrating the lithology encountered and soil sampling locations;
- 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.

TABLE 1

WELL COMPLETION DETAILS
AREAL IRRIGATION AND OTHER WELLS

WELL/OWNER	USE	DATE COMPLETED	DEPTH Feet	PERFORATIONS
1 El Cerrito High School	Irrigation	1951	65	Unknown
2 PGE	Cathodic	1973	76	NA
3 PGE	Cathodic	1976	120	NA
4 PGE	Cathodic	1973	75	NA
5 PGE	Cathodic	1976	120	NA
6 Shell Oil Company, 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 RESULTS
TANK REMOVAL SAMPLES

SAMPLE NO./ANALYSES	*1 Below Tank, 10'*	*2 Composite*	*DETECTION LIMIT*
TPH-G (EPA 5030/CADHS-LUFT)	*ND*	*560*	*1 mg/kg*
TOTAL LEAD (EPA 7420/CADHS-LUFT)	*ND*	*ND*	*10 mg/kg*
PURGEABLE AROMATICS (EPA 5030/8020)			
Benzene	*9*	*400*	*3 ug/kg*
Toluene	*ND*	*2400*	*3 ug/kg*
Ethylbenzene	*7*	*4300*	*3 ug/kg*
Xylene	*ND*	*30,000*	*3 ug/kg*

Analytical results and detection limits as shown.
ND Not detected in excess of the analytical detection limit.

TABLE 3

ANALYTICAL PROTOCOL
GROUNDWATER SAMPLES

Analyses	*Container*	*Analytical Method*	*Minimum Detection Limit*
TPH-G	*40 Milliliter Glass Vial*	*EPA 5030*	*50 ug/l*
TOTAL LEAD	*1 Liter Glass Bottle*	*EPA 7421*	*1.0 mg/l*
BTXE	*40 Milliliter Glass Vial*	*EPA 602*	*0.0005 mg/l*

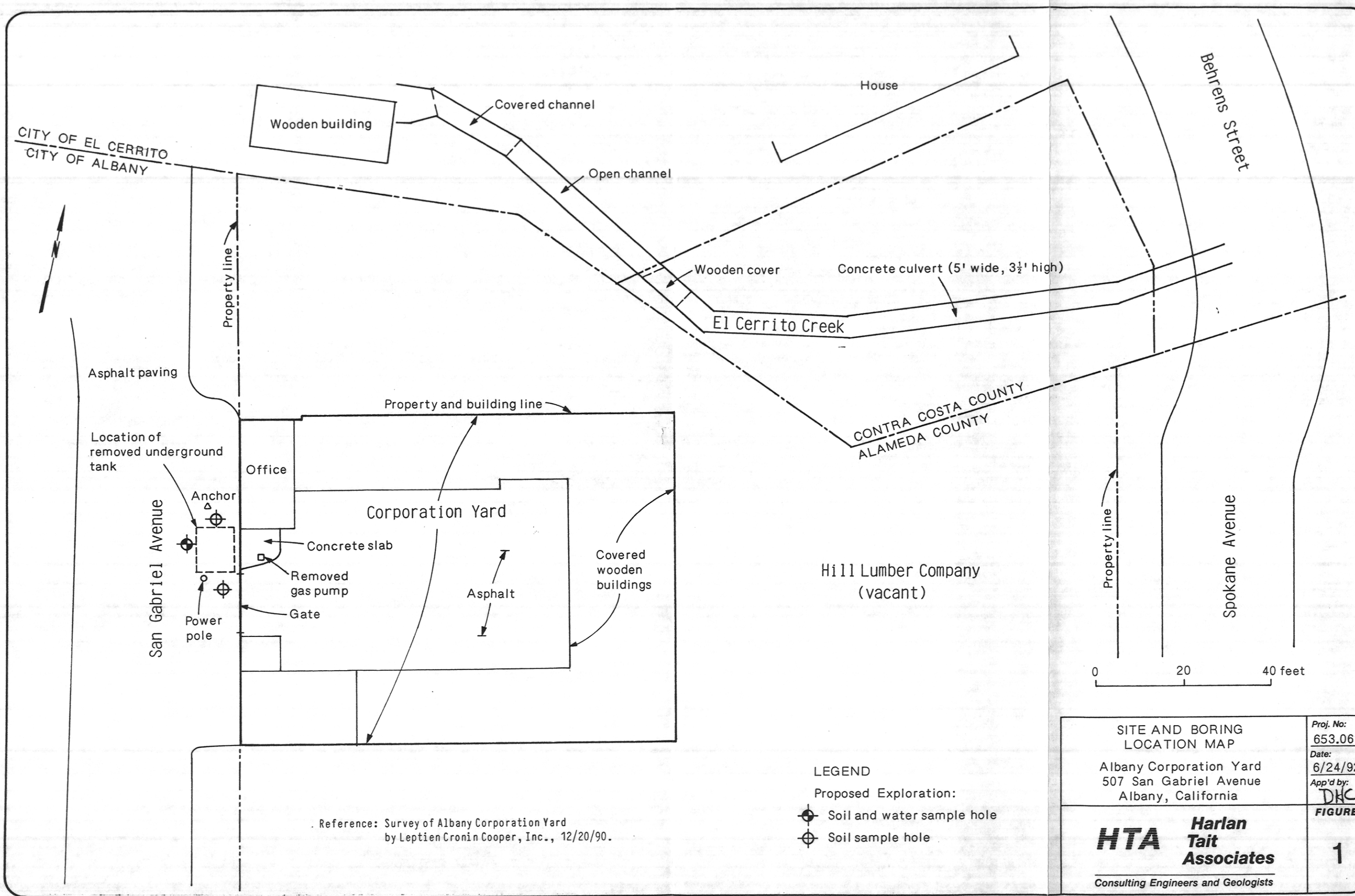
TABLE 4

ANALYTICAL PROTOCOL
SOIL SAMPLES

Analyses	*Analytical Method*	*Minimum Detection Limit*
TPH-G	*EPA 5030*	*1.0 mg/kg*
TOTAL LEAD	*EPA 7420*	*10.0 mg/kg*
BTEX	*EPA 8020*	*5.0 ug/kg*

TPH-G Total Petroleum Hydrocarbons - Gasoline Fraction

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



Reference: Survey of Albany Corporation Yard
by Leptien Cronin Cooper, Inc., 12/20/90.

LEGEND

Proposed Exploration:

- Soil and water sample hole
- Soil sample hole

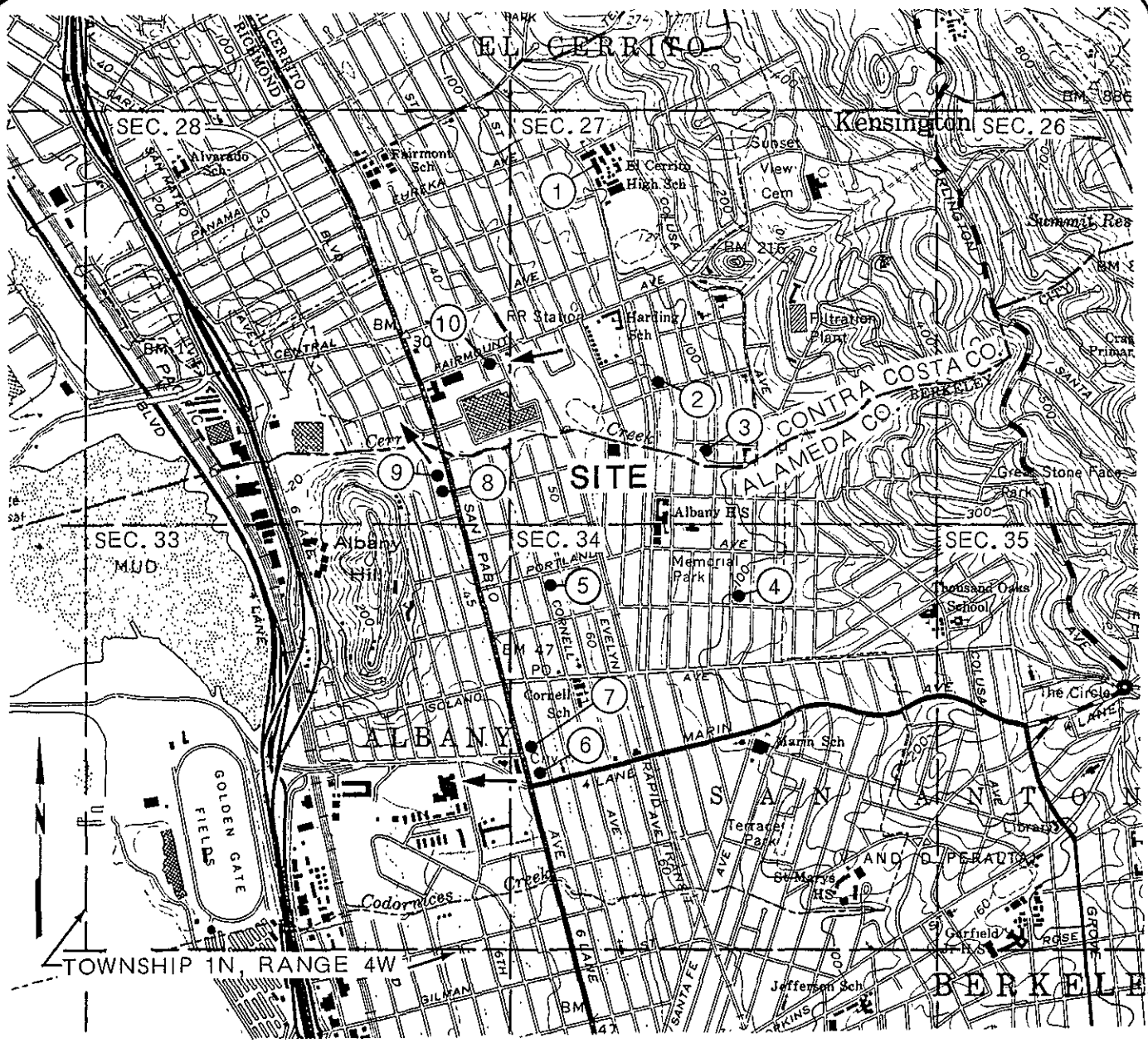
SITE AND BORING LOCATION MAP

Albany Corporation Yard
507 San Gabriel Avenue
Albany, California

Proj. No: 653.061
Date: 6/24/92
App'd by: DHC

FIGURE 1

HTA Harlan Tait Associates
Consulting Engineers and Geologists



LEGEND

(10) ● Well location (see text for details)

← Shallow groundwater downgradient direction (when available)

Reference: USGS 7.5' Richmond Quadrangle, 1980

0 2000 4000 feet

HTA Harlan Tait Associates

Consulting Engineers and Geologists

VICINITY AND WELL LOCATION MAP

Albany Corporation Yard
507 San Gabriel Avenue
Albany, California

FIGURE 2

Proj. No: 653.061 Date: 6/26/92 App'd by: DHC

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

February 11, 1992

Mr. Ron Lefler, Director of Public Works
City of Albany
1000 San Pablo Avenue
Albany, CA 94706

RE: City of Albany, Corporation Yard, 507 San Gabriel Albany, CA

Dear Mr. Lefler:

I have reviewed the Tank Excavation Report that was prepared by Semco for the above site. A composite soil sample taken from the stockpile soil revealed 560 PPM TPH(g), 400 PPM Benzene, 2,400 PPM Toluene, 4,300 PPM EthylBenzene and 30,000 PPM Xylene. Gasoline odors from the backfill was detected during the underground tank removal. A subsurface investigation must commence to determine the lateral and vertical extent of contamination. This investigation must be performed in accordance to the Tri-Regional Board Staff Recommendations For Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990.

Please submit to this office within 30 Days of the receipt of this letter your plan of correction. This plan must include, but shall not be limited to:

1. Name of your enviromental consultant
2. Method(s) that will be used to determine the lateral and vertical extent of contamination
3. Method(s) that will be used to determine the down gradient direction
4. Number of monitoring well(s) that will be installed, and their proposed location(s)
5. Proposed time schedule for your investigation/remediation

If you have any questions, please contact me at (510) 271-4320.

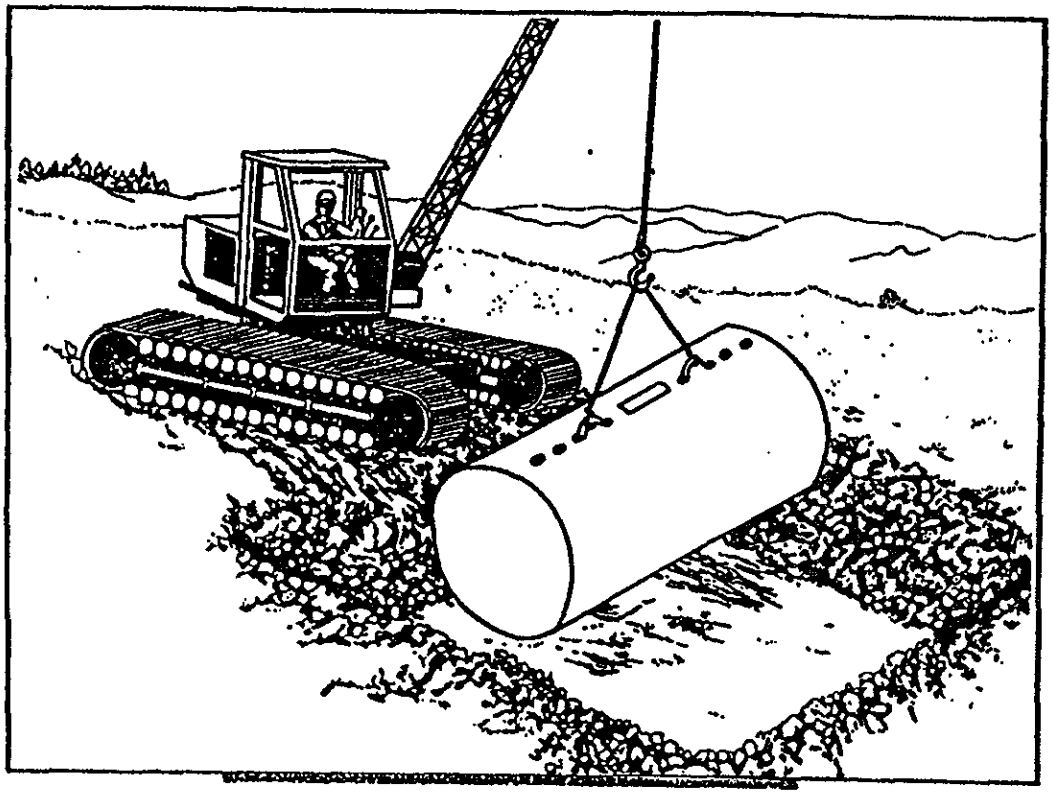
Sincerely,

Larry Seto
Sr. Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney's Office
Eddie So, RWQCB
Charlene Williams, DTSC
Rafat Shahid, Assistant Agency Director, Enviromental Health
Files

SEMCO

TANK EXCAVATION REPORT



CITY OF ALBANY
1000 SAN PABLO AVE
ALBANY, CALIFORNIA

S E M C O
Environmental and General Engineering Contractors
License No. 449864 A,B & C-61
1741 Leslie Street
San Mateo, California 94402
(415) 572-8033

This tank excavation report is submitted to you for your files. SEMCO will document the removal and excavation of the tank from the site. SEMCO will provide sampling locations, site logs where applicable and deliver detailed analytical reports with chain of custody procedures. Finally, SEMCO will supply manifests for the disposal of the tanks as well as appropriate gas free certificates and documentation for final destination of the tank

The locations are as follows: Fire Station - 1000 San Pablo Avenue; Corp Yard -507 San Gabriel, Albany in Alameda County.

REMOVAL AND DISPOSAL OF FUEL STORAGE TANKS.

Two underground fuel storage tanks were excavated and removed from the sites on August 22, 1991. Tank abandonment was performed by SEMCO, Contractors License Number 449864, Classifcation A,B,C - 61 / D 40. The tanks contents were as follows:

1-1000 and 1-250 gallon gasoline tanks.

It was determined that the tanks were dry before removal procedures were begun. Solid carbon dioxide (dry ice) was placed in the tanks after a water rinse before removal to eliminate any explosive vapors that may have existed. An Alameda County representative along with the Albany Fire Dept. were present at the time of tank removal. Soil samples were collected with a drive sampler, contained in sealed brass tubes, labeled, than stored in an iced container. Chain of Custody procedures were observed and are included herein.

On August 23, 1991, SEMCO delivered the samples to Superior Analytical Laboratories, Inc. in San Francisco, California for analysis. SEMCO requested the laboratory to analyze samples from the base of the excavation for TPH as gas, BTXE and LEAD.

Transportation and off site disposal of the tanks was accomplished by Rich Hamilton Trucking Company, 431 West Hatch Road, Modesto, California. The tanks were then taken to Erickson for disposal.

SEMCO is pleased to present this tank excavation report to you for your file. We would, of course, be happy to answer any questions you may have. Thank you for allowing SEMCO to complete this tank removal. We look forward to working with you again.

ANALYTICAL DATA

Superior Precision Analytical, Inc.
825 Arnold Drive, Ste. 114 • Martinez, California 94553 • (415) 229-1512 / Fax (415) 229-1526

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83764
CLIENT: SEMCO
CLIENT JOB NO.: ALBANY CORP YD

DATE RECEIVED: 08/23/91
DATE REPORTED: 08/30/91
DATE SAMPLED : 08/22/91

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by MODIFIED EPA SW-846 METHOD 5030 and 8015

LAB #	Sample Identification	Concentration (mg/Kg) Gasoline Range
1	1-250-G 10'	ND<1
2	2-250-G-COMP	660

mg/Kg - parts per million (ppm)

Method Detection Limit for Gasoline in Soil: 1 mg/Kg

QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = <15
MS/MSD Average Recovery = 113/117%: Duplicate RPD = 2

Richard Srna, Ph.D.

Laboratory Director

Superior Precision Analytical, Inc.
[illegible] • Martinez, California [illegible]

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83764
CLIENT: SEMCO
CLIENT JOB NO.: ALBANY CORP YD

DATE RECEIVED: 08/23/91
DATE REPORTED: 08/30/91
DATE SAMPLED : 08/22/91

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration(ug/Kg) Benzene	Toluene	Ethyl Benzene	Xylenes
1	1-250-G-10'	9	ND<3	7	ND<3
2	2-250-G-COMP	400	2400	4300	30000

ug/Kg - parts per billion (ppb)

Method Detection Limit in Soil: 3 ug/Kg

QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15%
MS/MSD Average Recovery = 93%: Duplicate RPD = <10

Richard Srna, Ph.D.

Robert Winter (for)
Laboratory Director

Superior Precision Analytical, Inc.
825 Arnold Drive, Ste. 114 • Martinez, California 94553 • (415) 229-1512 / Fax (415) 229-1526

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83764
CLIENT: SEMCO
CLIENT JOB NO.: ALBANY CORP YD

DATE RECEIVED: 08/23/91
DATE REPORTED: 08/30/91

ANALYSIS FOR TOTAL LEAD
by SW-846 Method 7420

LAB #	Sample Identification	Concentration (mg/Kg) Total Lead
1	1-250-G-10'	ND<10
2	2-250-G-COMP	ND<10

mg/Kg - parts per million (ppm)

Method Detection Limit for Lead in Soil: 10 mg/Kg

QAQC Summary: MS/MSD Average Recovery : 89/93%
Duplicate RPD : 4

Richard Srna, Ph.D.

Laboratory Manager

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 Kipen
Phone: (415) 572 8033

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

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

Send Coolers to : Modesto ☐ San Mateo ☑
Project No. / P.O. No.: ALBANY Corp Yd

Sampler: Chuck Kipen
Regulatory Agency: Alameda City, County

Section II — Analysis Request

Sample Identification	Matrix (S=Soil A=Air W=Water)	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	O&G	8010	8240	Metals	Others * Subject to Subcontracting	LEAD	TOXICITY		
1 #1-250-G-10'	SOIL			✓	✓						✓			
2 #2-250-G-Comp	SOIL			✓	✓						✓	✓		
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

Section III — Sample Information

Date	Time	Containers: Quantity	Containers: Pres.	Sampling Remarks
8/21/91	3:15	1		
				HOLD TOXICITY

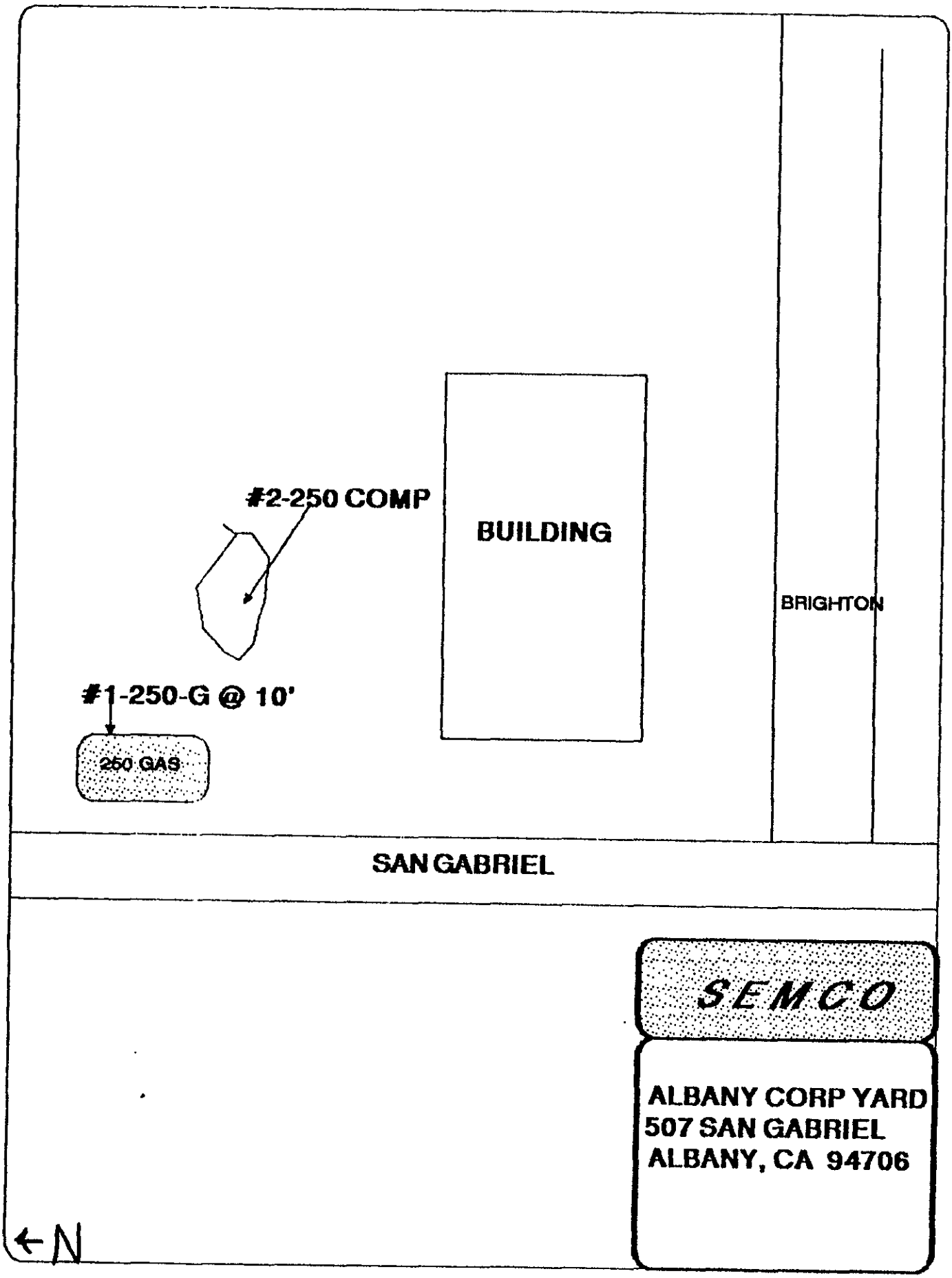
Bioremediation ☐
Contamination ☐

Relinquished by: Chuck Kipen
Organization: Semco
Date/Time: 8/23/91 1:20
Received by: _____
Organization: _____

Relinquished by: _____
Organization: _____
Date/Time: 8/23/91 1:21
Received by: _____
Organization: _____

Relinquished by: _____
Organization: _____
Date/Time: _____
Received by: _____
Organization: _____

Please Initial: _____
Samples Stored in Ice: _____
Appropriate Containers: _____
Samples Preserved: _____
VOA's without Headspace: _____
Comments: _____


#2-250 COMP
BUILDING
BRIGHTON
#1-250-G @ 10'
250 GAS
SAN GABRIEL
SEMCO
ALBANY CORP YARD
507 SAN GABRIEL
ALBANY, CA 94706
N

Superior Precision Analytical, Inc.
825 Arnold Drive, Ste. 114 • Martinez, California 94553 • (415) 229-1517 / fax (415) 229-1526

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83762
CLIENT: SEMCO
CLIENT JOB NO.. ALBANY FIRE

DATE RECEIVED: 08/23/91
DATE REPORTED: 08/30/91
DATE SAMPLED : 08/22/91

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS by MODIFIED EPA SW-846 METHOD 5030 and 8015

LAB #	Sample Identification	Concentration (mg/Kg) Gasoline Range
1	1-1KG-E-11'	ND<1
2	2-1KG-W-11'	ND<1
3	3-1K-G-COMP	1

mg/Kg - parts per million (ppm)

Method Detection Limit for Gasoline in Soil: 1 mg/Kg

QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = <15
MS/MSD Average Recovery = 106/113%: Duplicate RPD = 6

Richard Srna, Ph.D.

Laboratory Director

Superior Precision Analytical, Inc.
825 Arnold Drive, Ste. 114 • Martinez, California 94553 • (415) 229-1512 / fax (415) 229-1526

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83762
CLIENT: SEMCO
CLIENT JOB NO.: ALBANY FIRE

DATE RECEIVED: 08/23/91
DATE REPORTED: 08/30/91
DATE SAMPLED : 08/22/91

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration(ug/Kg) Benzene	Toluene	Ethyl Benzene	Xylenes
1	1-1KG-E-11'	ND<3	ND<3	ND<3	ND<3
2	2-1KG-W-11'	ND<3	ND<3	ND<3	ND<3
3	3-1K-G-COMP	8	12	23	74

ug/Kg - parts per billion (ppb)

Method Detection Limit in Soil: 3 ug/Kg

QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15%
MS/MSD Average Recovery = 99%: Duplicate RPD = <8

Richard Srna, Ph.D.

Laboratory Director

Superior Precision Analytical, Inc.
825 Arnold Drive, Ste 111 • Martinez, California 94553 • (415) 229-1512 / fax (415) 229-1526

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 83762
CLIENT: SEMCO
CLIENT JOB NO.: ALBANY FIRE

DATE RECEIVED: 08/23/91
DATE REPORTED: 08/30/91

ANALYSIS FOR TOTAL LEAD
by SW-846 Method 7420

LAB #	Sample Identification	Concentration(mg/Kg) Total Lead
1	1-1KG-E-11'	ND<10
2	2-1KG-W-11'	ND<10
3	3-1K-G-COMP	11

mg/Kg - parts per million (ppm)

Method Detection Limit for Lead in Soil: 10 mg/Kg

QAQC Summary: MS/MSD Average Recovery : 89/93%
Duplicate RPD : 4

Richard Srna, Ph.D.

Laboratory Manager

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
Send Coolers to : Modesto ☐ San Mateo ☑
Project No. / P.O. No.: ALBANY FIRE

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

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

Sampler: Chuck Kiper
Regulatory Agency: Alameda City-County Cities

Section II — Analysis Request

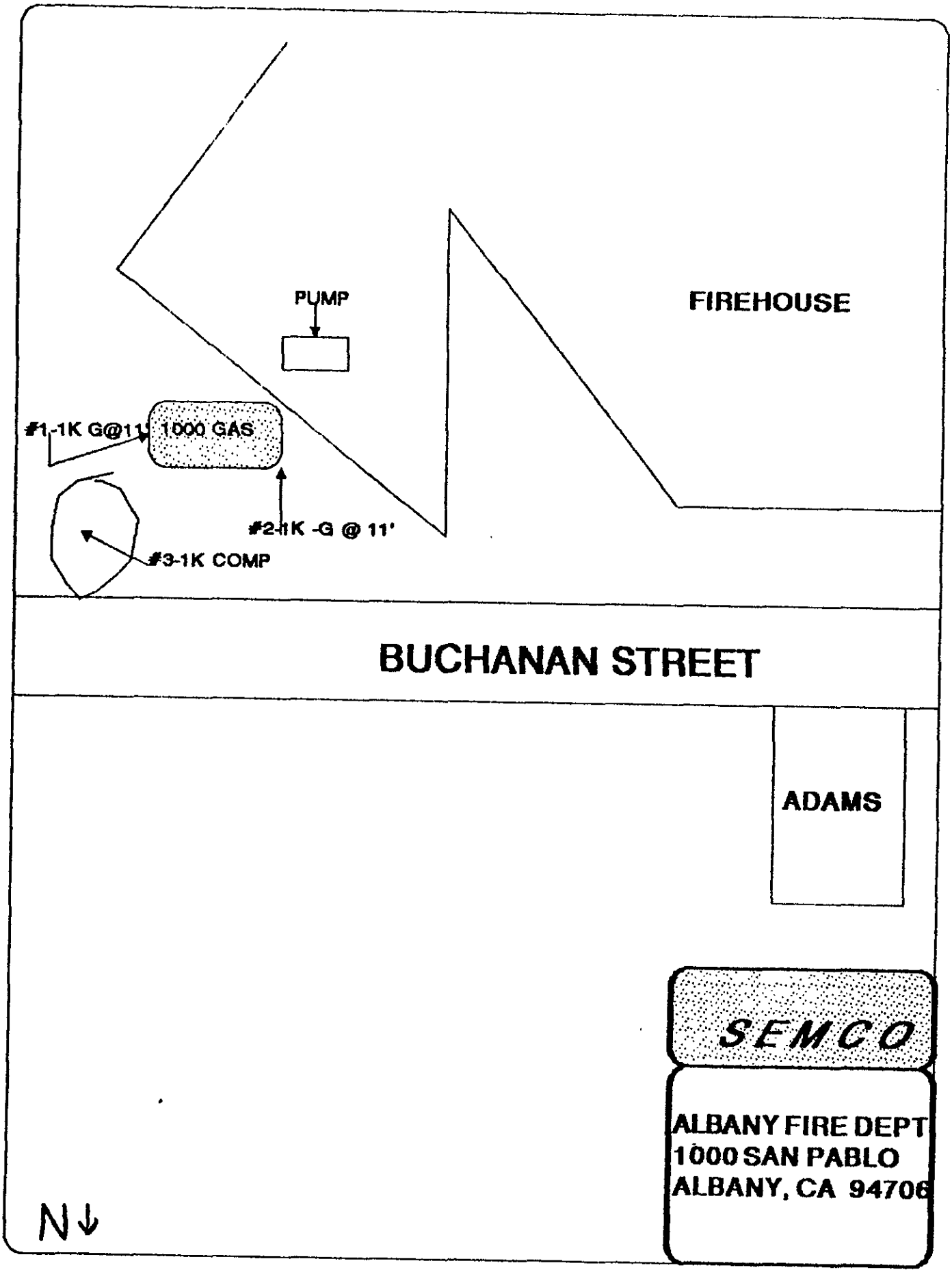
Sample Identification	Matrix (S=Soil A=Air W=Water)	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	O&G	8010	8240	Metals	Others * Subject to Subcontracting	LEAD	TOXICITY		
1 #1-1KG-E-11'	SOIL	✓		✓	✓						✓			
2 #2-1KG-W-11'	SOIL			✓	✓						✓			
3 #3-1K-G-Comp	SOIL			✓	✓						✓	✓		
4														
5														
6														
7														
8														
9														
10														
11														
12		*												

Section III — Sample Information

Sample Identification	Date	Time	Containers Quantity	Containers Pres.	Sampling Remarks
1 #1-1KG-E-11'	8/22	2:14	1		Bioremediation ☐ Contamination ☐
2 #2-1KG-W-11'	8/22	2:09			
3 #3-1K-G-Comp	8/22	2:12			HOLD TOXIC TEST
4					
5					
6					
7					
8					
9					
10					
11					
12					

Relinquished by: Chuck Kiper Organization: Semco	Date/Time: 8/23/91 1:20	Received by: _____ Organization: _____
Relinquished by: _____ Organization: _____	Date/Time: _____	Received by: _____ Organization: _____
Relinquished by: _____ Organization: _____	Date/Time: _____	Received by: _____ Organization: _____

Please Initial: _____
Samples Stored in Ice _____
Appropriate Containers _____
Samples Preserved _____
VOA's without Headspace _____
Comments _____


PUMP
FIREHOUSE
#1-1K G@11'
1000 GAS
#2-1K -G @ 11'
#3-1K COMP
BUCHANAN STREET
ADAMS
SEMCO
ALBANY FIRE DEPT
1000 SAN PABLO
ALBANY, CA 94706
N↓

ALBANY FIRE

ALBANY Corp YD.

PERMITS

PERMIT APPLICATION
City of Albany

1000 SAN PABLO, ALBANY CA 94706
PUBLIC WORKS OFFICE

FOR INSPECTION - PHONE. 528-5760

A.P. NO.

PERMIT NO. ____________

DATE [illegible]

TOTAL FEES, TAXES AND DEPOSITS

FOR APPLICANT TO FILL IN

OWNER

BUILDING PROJECT IDENTIFICATION
Address of Building: 5?? San Gabriel
Owner(s) Name: City of Albany
Telephone No.: 528-5759
Contractor's Name: SEMCO

ARCH. ENGR.

Contractor's Mailing Address: 1741 [illegible] Street [illegible]
Ph. 573-5033 City Bus. Lic. 1740
Architect and/or Engineer ____________
Architect and/or Engineer's Address ____________
Ph. ________ Lic. No. ________

CONTRACTOR

LICENSED CONTRACTORS DECLARATION
I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class [illegible] Lic Number 144264
Date ________ Contractor SEMCO

OWNER / BUILDER

OWNER-BUILDER DECLARATION
I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code. Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.). All such Construction must obtain City Bus. Lic.

☐ I am exempt under Sec. ________ B & P C for this reason ____________

Signature of owner ____________ Date ________

WORKERS' COMPENSATION

WORKERS' COMPENSATION DECLARATION
I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800 Labor Code)

Policy # [illegible]440741 Company Name [illegible]
☐ Certified copy is hereby furnished
☐ Certified copy is filed with the city building inspection department
Applicant [signature] Date 6/19/91

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE
(This section need not be completed if the permit is for one hundred dollars ($100) or less.) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Signature ____________ Date ________

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

LENDER

CONSTRUCTION LENDING AGENCY
I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)
LENDERS NAME ____________
LENDERS ADDRESS ____________

APPLICANT

DO NOT CONCEAL OR COVER ANY CONSTRUCTION UNTIL THE WORK IS INSPECTED AND THE INSPECTION IS RECORDED. ALL INSPECTION REQUESTS ARE REQUIRED 24 HOURS IN ADVANCE OF THE INSPECTION.

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION AND I MAKE THIS STATEMENT UNDER PENALTY OF LAW. I HEREBY AUTHORIZE REPRESENTATIVES OF THIS CITY TO ENTER UPON THE ABOVE MENTIONED PROPERTY FOR INSPECTION PURPOSES. I AGREE TO SAVE, INDEMNIFY AND HOLD HARMLESS THE CITY OF ALBANY AGAINST ALL LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY AS A RESULT OF THE GRANTING OF THIS PERMIT.

[signature] 6/19/91
Signature of Applicant or Agent Date

NOTE: When properly validated this form constitutes a Building Permit. This permit expires and becomes null and void should work not be commenced within 180 days

DESCRIPTION OF WORK
Removal of one (1) Underground Tank 250-Gas gallon

PLUMBING PERMIT
CONTRACTOR ____________
STATE LICENSE NO. AND CLASSIFICATION ____________
FEE $ ________

W.C.	LAV	BATH T	SHOWER	SINK	DISHWASHER	LAUNDRY T	SLOP SINK
CLOTHES WASHER	FLOOR SINK	URINAL	DRINKING FOUNTAIN	GAS SYSTEMS OUTLETS	WATER HTR.		
WASTE INTERCEPTER	WATER PIPING TREATING EQUIP.	SEWER	SITE PIPING SYSTEMS	SOLAR	PER 100 SQ. FT.		

ELECTRICAL PERMIT
CONTRACTOR ____________
STATE LICENSE NO. AND CLASSIFICATION ____________
FEE $ ________

SERVICE AMP.	CIRCUITS	OUTLETS	FIXTURES	SWITCHES	WATER HTR.	RANGE	DRYER
DISPOSAL	DISHWASHER	FANS	MOTORS	PER 100 SQ. FT.			

HEATING / COOLING PERMIT
CONTRACTOR ____________
STATE LICENSE NO. AND CLASSIFICATION ____________
FEE $ ________

FURN.	DUCT/PLUS	BOILER	COMP	AIR COND	OTHER	PER 100 SQ. FT.

LIST OF OTHER SUBCONTRACTORS
	Name	License Number	Classification
1.			
2.			
3.			
4.			

DEPARTMENT USE ONLY
Plans received by ____________ Date ________
Value of Project $ ________
Permit Fee (Plus penalty if applicable) $ ________
Plan Check Fee $ ________
Special Inspection Deposit $ ________
S.M.I.P. $ ________
Other ________ $ ________
Sewer Connection Fee $ ________
Total $ ________
Comments ____________

APPROVALS
PLANNING ____________
ENGINEERING ____________
FIRE ____________
OTHER ____________
PERMIT APPROVE [illegible]

PERMIT APPLICATION

City of Albany

1000 SAN PABLO, ALBANY CA. 94706
PUBLIC WORKS OFFICE

FOR INSPECTION - PHONE: 528-5760

A.P. NO:

PERMIT NO. [illegible]

DATE 6/17/91

TOTAL FEES, TAXES AND DEPOSITS

FOR APPLICANT TO FILL IN

BUILDING PROJECT IDENTIFICATION

Address of Building: 1000 San Pablo
Owner(s) Name: City of Albany
Telephone No: 526-5757
Contractor's Name: SEIKO
Contractor's Mailing Address: 1741 [illegible] St. [illegible]
Ph. 272-5733 City Bus. Lic. 1740
Architect and/or Engineer
Architect and/or Engineer's Address
Ph. Lic. No.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect

License Class A, C-10/C-36 Lic. Number 449864
Date Contractor SEIKO

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).)

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.). All such Construction must obtain City Bus. Lic.

☐ I am exempt under Sec _____, B. & P.C. for the reason _____

Signature of owner Date

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance or a certified copy thereof (Sec. 3800, Labor Code)

Policy No. 80460741 Company Name FAIRMONT INS.

☐ Certified copy is hereby furnished.
☒ Certified copy is filed with the city building inspection department.

Applicant Date 6/19/91

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Signature Date

NOTICE TO APPLICANT: If after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civil Code)

LENDERS NAME
LENDERS ADDRESS

DO NOT CONCEAL OR COVER ANY CONSTRUCTION UNTIL THE WORK IS INSPECTED AND THE INSPECTION IS RECORDED. ALL INSPECTION REQUESTS ARE REQUIRED 24 HOURS IN ADVANCE OF THE INSPECTION.

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION AND I MAKE THIS STATEMENT UNDER PENALTY OF LAW. I HEREBY AUTHORIZE REPRESENTATIVES OF THIS CITY TO ENTER UPON THE ABOVE MENTIONED PROPERTY FOR INSPECTION PURPOSES. I AGREE TO SAVE, INDEMNIFY AND HOLD HARMLESS THE CITY OF ALBANY AGAINST ALL LIABILITIES, JUDGEMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY AS A RESULT OF THE GRANTING OF THIS PERMIT.

X [signature] X 6/19/91
Signature of Applicant or Agent Date

NOTE: When properly validated this form constitutes a Building Permit. This permit expires and becomes null and void should work not be commenced [illegible]

DESCRIPTION OF WORK

X Removal of one (1) Underground Tank
→ 1000 gallon gasoline

PLUMBING PERMIT

CONTRACTOR
STATE LICENSE NO. AND CLASSIFICATION
FEE $

WC.	LAV.	BATH T.	SHOWER	SINK	DISHWASHER	LAUNDRY T.	SLOP SINK
CLOTHES WASHER	FLOOR SINK	URINAL	DRINKING FOUNTAIN	GAS SYSTEMS OUTLETS	WATER HTR.		
WASTE INTERCEPTER	WATER PIPING TREATING EQUIP.	SEWER	VTR PIPING SYSTEMS	SOLAR	PER 100 SQ. FT.		

ELECTRICAL PERMIT

CONTRACTOR
STATE LICENSE NO. AND CLASSIFICATION
FEE $

SERVICE AMP.	CIRCUITS	OUTLETS	FIXTURES	SWITCHES	WATER HTR.	RANGE	DRYER
DISPOSAL	DISHWASHER	FANS	MOTORS	PER 100 SQ. FT.			

HEATING / COOLING PERMIT

CONTRACTOR
STATE LICENSE NO. AND CLASSIFICATION
FEE $

FURN.	AUTOFLUE	BOILER	COMP.	AIR COND.	OTHER	PER 100 SQ. FT.

LIST OF OTHER SUBCONTRACTORS

	Name	License Number	Classification
1.			
2.			
3.			
4.			

DEPARTMENT USE ONLY

Plans received by _____ Date _____
Value of Project $ _____
Permit Fee (Plus penalty if applicable) $ _____
Plan Check Fee $ _____
Special Inspection Deposit $ _____
S.M.I.P. $ _____
Other _____ $ _____
Sewer Connection Fee $ _____
Total _____ $ _____
Comments _____

APPROVALS

PLANNING _____
ENGINEERING _____
FIRE _____
OTHER _____

APPLICANT — CONTRACTOR — OWNER/BUILDER — WORKERS' COMPENSATION — LENDER

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

Project Specialist (print) Larry Seto

6/7/91

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local laws. The project proposed herein is now released for issuance of any required building permits for construction.

Storage of Tank and Piping

Signature

Date

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name CITY OF ALBANY CORPORATION YARD

   Business Owner CITY OF ALBANY

2. Site Address 507 SAN GABRIEL

   City ALBANY Zip 94706 Phone 528-5759

3. Mailing Address 1000 SAN PABLO AVENUE

   City ALBANY Zip 94706 Phone 528-5759

4. Land Owner CITY OF ALBANY

   Address 1000 SAN PABLO AVE. City, State ALBANY CA Zip 94706

5. Generator name under which tank will be manifested CITY OF ALBANY

   EPA I.D. No. under which tank will be manifested CAC000599152

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

Project Specialist (print) Amy Leo 6/4/91

ACCEPTED

Telephone: (415) 874-7237

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

1. Business Name CITY OF ALBANY FIRE DEPARTMENT
   Business Owner CITY OF ALBANY
2. Site Address 1000 SAN PABLO AVE.
   City ALBANY Zip 94706 Phone (415) 528-5759
3. Mailing Address 1000 SAN PABLO AVENUE
   City ALBANY Zip 94706 Phone 528-5759
4. Land Owner CITY OF ALBANY
   Address 1000 SAN PABLO AME City, State ALBANY CA Zip 94706
5. Generator name under which tank will be manifested CITY OF ALBANY

   EPA I.D. No. under which tank will be manifested CAC000599144

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

XX Removal or Replacement of Tanks
___ Excavation of Contaminated Soil

GAS TANK

SITE INFORMATION

GROSE

SITE ADDRESS 1000 SAN PABLO AVENUE
CITY, STATE ALBANY, CALIFORNIA ZIP 94706
OWNER NAME CITY OF ALBANY NORTH EASTERN
SPECIFIC LOCATION OF PROJECT [redacted] SECTION OF PROPERTY

TANK REMOVAL
SCHEDULED STARTUP DATE 8/22/91
VAPORS REMOVED BY:
[X] WATER WASH HIGH PRESSURE HOT WATER DETERGENT WASH
[X] VAPOR FREEING (CO^2) 20 LBS PER 1000 GALLONS DRY ICE
[X] VENTILATION PURGE WITH AIR BEFORE CO2

CONTAMINATED SOIL EXCAVATION
SCHEDULED STARTUP DATE ___
STOCKPILES WILL BE COVERED? YES ___ NO ___
ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME SEMCO CONTACT CHUCK OR RHONDA KIPER
ADDRESS 1741 LESLIE STREET PHONE (415) 572-8033
CITY, STATE, ZIP SAN MATEO, CALIFORNIA 94402

ACKNOWLEDGMENT

Bay Area Air Quality Management District acknowledges receipt of your Tank Removal/Contaminated Soil Excavation Notification Form received on 8.13.91.

TANT INFORMATION
IF APPLICABLE)

___ CONTACT ___
___ PHONE ( ) ___

DATE RECEIVED FAX 8.13.91 BY [illegible] (init.)
DATE POSTMARKED ___ BY ___ (init.)
CC: INSPECTOR NO. I-457 DATE 8-16-91 BY [illegible] (init.)
UPDATE: CONTACT NAME ___ DATE ___ BY ___ (init.)
BAAQMD N # ___ DATA ENTRY 8-16-91

1/91

• See reverse for instructions

MANIFESTS

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7 — 76102

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAC000599152 — Manifest Document No.: 76468
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 Corp Yard, 507 San Gabriel, Albany 94706
4. Generator's Phone (415) 528-5759

A. State Manifest Document Number: 90764763
B. State Generator's ID

5. Transporter 1 Company Name: RICH HAMILTON TRUCKING
6. US EPA ID Number: CAD982471591

C. State Transporter's ID: 206786
D. Transporter's Phone: 209-578-4100

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

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address:
ERICKSON
PARR BLVD
RICHMOND, CA 94801

10. US EPA ID Number: CAD009466392

G. State Facility's ID: CAD009466392
H. Facility's Phone: 415-235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. EMPTY WASTE STORAGE TANK NON RCRA HAZARDOUS WASTE SOLID.	001	TP	00250	P	State 512; EPA/Other NONE
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
TANK ICED WITH 15LB DRY ICE PER 1000 GAL
CAPACITY PRIOR TO TRANSPORT
Tank # 6917

K. Handling Codes for Wastes Listed Above
a. 01
b.
c.
d.

15. Special Handling Instructions and Additional Information
KEEP AWAY FROM SOURSE OF IGNITION. ALWAYS WEAR HARD HATS AND GLASSES WHEN WORKING AROUND U.S.T.S.
OBSERVE PROPER PROCEDURES; NO SMOKING WITHIN 50 FEET OF TANK.
24 HOUR CONTACT; Jason Bo[illegible] AND PHONE; 415-528-5759

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: HORACE I KOEPKE — Signature: [signature] — Month Day Year: 08 22 91

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Mark K[illegible] — Signature: [signature] — Month Day Year: 08 22 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: DONALD H. ROSSOUR — Signature: [signature] — Month Day Year: 08 22 91

GENERATOR / TRANSPORTER / FACILITY

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

90764763

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P O Box 3000, Sacramento, CA 95812

DAY OR NIGHT TELEPHONE (415) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. [illegible]

CUSTOMER Serico

JOB NO.

FOR: ~~Erickson, Inc.~~ TANK NO. 6917

LOCATION: ~~Richmond~~ DATE: ~~08-23-91~~ TIME: ~~11:00 a.m.~~

TEST METHOD ~~Visual Gastech/1314 SMPN~~ LAST PRODUCT Leaded Gas

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 ~~1~~ 550 ~~Gallon Tank~~ CONDITION ~~Safe For Fire~~ ~~Oxy 20.0%~~ ~~LEL LESS THAN 0.1%~~

REMARKS:

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 permissable 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 higher concentraiton that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

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

K. Hughes

REPRESENTATIVE

TITLE

Jim Cox

INSPECTOR

THIS SHIPPING ORDER *

* legibly filled in, in ink, in indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. _____

CARRIER: Erickson, Trucking Inc. SCAC Carrier's No. 019 Date

TO: Consignee	LMC Corp.	FROM: Shipper	Erickson, Inc.
Street	600 S. 4th St.	Street	255 Parr Blvd.
Destination	Richmond, Ca. 94805 Zip	Origin	Richmond, Ca. 94801 Zip

Route: Vehicle Number 1007

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
6		NON-D.O.T. REGULATED MATERIAL NON-HAZARDOUS, GAS FREE UNDERGROUND STORAGE TANKS FOR SCRAP. 75905-6813-6816 Semco-6917-6916 76034-6906	NONE	N/A	N/A	N/A	NONE

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per Jim Cox

PLACARDS REQUIRED NO PLACARDS SUPPLIED ☐ YES ☐ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE:

SHIPPER: Erickson, Inc.
PER: Jim Cox.
DATE: 8-23-91

CARRIER: Erickson Inc.
PER: Mo Shapley
DATE: 8/23/91

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading

9-BLS-A3
(Rev 9/90)

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

LMC METALS
A DIVISION OF SIMSMETAL USA CORPORATION
600 SOUTH 4th STREET
RICHMOND, CALIFORNIA 94804
(415) 236-0606

SIGNATURE OF SELLER OR AGENT

LMC METALS WEIGHMASTER

FOR SALVAGE VEHICLE SALES: I hereby certify, under penalty of perjury, that any vehicles sold have been cleared for dismantling with the Department of Motor Vehicles.

HOLD HARMLESS AGREEMENT: Seller will indemnify and hold buyer harmless from damages, demands and liabilities, including reasonable attorney's fees, resulting from the breach of any warranty hereunder and driver agrees to be responsible for damage to vehicle during unloading.

BILL OF SALE: I warrant that I am the owner (or owner's representative) of the material described hereon and have the right to sell same, that it contains no hazardous material as defined by Federal or State law and that for payment hereby received, I sell and convey title to LMC METALS.

State of California — Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7 — 76102

Department of Health Services
Toxic Substances Control Division
Sacramento, California

907647762

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

UNIFORM HAZARDOUS WASTE MANIFEST

GENERATOR

1. Generator's US EPA ID No. CAC000591144 — Manifest Document No. 93762
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 (415) 528-5759

A. State Manifest Document Number: 90764762
B. State Generator's ID

5. Transporter 1 Company Name: RICH HAMILTON TRUCKING
6. US EPA ID Number: CAD982471591
C. State Transporter's ID: 206786
D. Transporter's Phone: 209-578-4100

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: ERICKSON, PARR BLVD, RICHMOND, CA 94801
10. US EPA ID Number: CAD009466392
G. State Facility's ID: CAD009466392
H. Facility's Phone: 415-235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. EMPTY WASTE STORAGE TANK NON RCRA HAZARDOUS WASTE SOLID.	001	TP	01000	P	State 512; EPA/Other NONE
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above
TANK ICED WITH 15LB DRY ICE PER 1000 GAL. CAPACITY PRIOR TO TRANSPORT.
Tank # 6916

K. Handling Codes for Wastes Listed Above
a. 01 b.
c. d.

15. Special Handling Instructions and Additional Information
KEEP AWAY FROM SOURSE OF IGNITION. ALWAYS WEAR HARD HATS AND GLASSES WHEN WORKING AROUND U.S.T.S. OBSERVE PROPER PROCEDURES; NO SMOKING WITHIN 50 FEET OF TANK.
24 HOUR CONTACT; Jason Baker AND PHONE; 415-528-5759

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Jason Baker — Signature: [signature] — Month Day Year: 08 22 91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Mark Keson — Signature: [signature] — Month Day Year: 08 22 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Donald H Rosson — Signature: [signature] — Month Day Year: 08 22 91

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000 Sacramento, CA 95812

DAY OR NIGHT TELEPHONE (415) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 0222

CUSTOMER Shell

JOB NO.

FOR: Erickson, Inc. TANK NO. 6916

LOCATION: Richmond DATE: 08-23-91 TIME: 11:00 a.m.

ST METHOD Visual Gastech/1314 SMPN LAST PRODUCT Leaded Gas

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.

NK SIZE 1- 1000 Gallon Tank CONDITION Safe For Fire - Oxy 20.0% LEL LESS THAN 0.1%

MARKS:

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

'ANDARD SAFETY DESIGNATION

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

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

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

R. Hughes

RESENTATIVE TITLE INSPECTOR

THIS SHIPPING ORDER

legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. _____

CARRIER: Erickson, Trucking Inc. SCAC Carrier's No. 019 Date

TO: Consignee / Street / Destination	LMC Corp. 600 S. 4th St. Richmond, Ca. 94805 Zip	FROM: Shipper / Street / Origin	Erickson, Inc. 255 Parr Blvd. Richmond, Ca. 94801 Zip

Route: Vehicle Number 1007

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
6		NON-D.O.T. REGULATED MATERIAL NON-HAZARDOUS, GAS FREE					
		UNDERGROUND STORAGE TANKS FOR SCRAP.					
		75905-6813-6816 Semco-6817-6916 76034-6906	NONE	N/A	N/A	N/A	NONE

Remit C.O.D. to:
Address:
City: State: Zip: **COD Amt:** $

C.O.D. FEE: Prepaid ☐ Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Per Jim Cox

PLACARDS REQUIRED NO **PLACARDS SUPPLIED** ☐ YES ☐ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE.

SHIPPER: Erickson, Inc.
PER: Jim Cox.
DATE: 8/23/91

CARRIER: Erickson Inc.
PER: [signature]
DATE: 8/23/91

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

9-BLS-A3
(Rev 9/90)

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 in 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.

WEIGHMASTER CERTIFICATE

LMC METALS
A DIVISION OF SIMSMETAL USA CORPORATION
600 SOUTH 4th STREET
RICHMOND, CALIFORNIA 94804
(415) 236-0606

FOR SALVAGE VEHICLE SALES: I hereby certify, under penalty of perjury, that any vehicles sold have been cleared for dismantling with the Department of Motor Vehicles.

HOLD HARMLESS AGREEMENT: Seller will indemnify and hold buyer harmless from damages, demands and liabilities, including reasonable attorney's fees, resulting from the breach of any warranty hereunder and driver agrees to be responsible for damage to vehicle during unloading.

BILL OF SALE: I warrant that I am the owner (or owner's representative) of the material described hereon and have the right to sell same, that it contains no hazardous material as defined by Federal or State law and that for payment hereby received, I sell and convey title to LMC METALS.

SIGNATURE OF SELLER OR AGENT

LMC METALS WEIGHMASTER

DAILY SAFETY

BREIFING REPORT

Project Albany Firedept & Albany Corp Yard Date 08/22/91 Time 7:45 AM/PM

Project Number 91-0522 Project Location 1st Fire Dept Brighton Ave

Client City of Albany Client Address Albany, CA.

Project Activity (Specify) Tank Removal

— SAFETY TOPICS —

Chemical Hazards BENZENE, TOLUENE, XYLENE, ETHYL BENZENE, PETROLEUM HYDROCARBONS

Physical Hazards OPEN EXCAVATION, EXPOSED PIPING, DEBRIS PILES, ELECTRICAL SHOCK, MOVING EQUIPMENT

Respiratory Protective Equipment HALF FACE RESPIRATOR, WITH ORGANIC VAPOR CARTRIDGES IF NECESSARY

Safety / Personal Protective Equipment / Clothing (List specifically for each activity) HARD HAT, STEEL TOE SAFETY SHOES, SAFETY GLASSES, UNIFORM SHIRT, GLOVES

Specific Instructions NO SMOKING WITHIN 50' OF THE EXCAVATION

Hospital / Clinic ALTA BATES-ALBANY HOSPITAL Phone (415) 527-7411

Hospital Address 1247 MARIN AVE ALBANY, CA

Paramedic (____) 911 Fire Dept. (____) 911 Police Dept (____) 911

Emergency Procedures TREAT MINOR INJURIES ON SITE, TRANSPORT VICTIM TO HOSPITAL IF NECESSARY

— ATTENDEES —

NAME (Please Print)	NAME (Signature)
STEVEN R WADE	Steven R Wade
Art Rodriguez	Arthur E Rodriguez
ANDY RAMSEY	Andy Ramsey

Meeting Conducted By Roj Mazr

Supervisor SR Wade

*DO NOT LEAVE ANY BLANK SPACES. PUT N/A IF NOT APPLICABLE.

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

REPORT DATE: 06/18/92 | CASE #:

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED: [signature] DATE:

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Ronald Lefler | PHONE: (510) 528-5760 | SIGNATURE:

REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____

COMPANY OR AGENCY NAME: City of Albany

ADDRESS: 1000 San Pablo Ave. (STREET) Albany (CITY) CA (STATE) 94706 (ZIP)

RESPONSIBLE PARTY

NAME: City of Albany ☐ UNKNOWN | CONTACT PERSON: Jason Baker | PHONE: (510) 528-5760

ADDRESS: 1000 San Pablo Ave. (STREET) Albany (CITY) CA (STATE) 94706 (ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Corporation Yard | OPERATOR: City of Albany | PHONE: (510) 528-5760

ADDRESS: 507 San Gabriel Avenue (STREET) Albany (CITY) CA Alameda (COUNTY) 94706 (ZIP)

CROSS STREET: Brighton Avenue

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: Alameda County Health Services Agency Department of Environmental Health | CONTACT PERSON: Susan Hugo | PHONE: (510) 271-4320

REGIONAL BOARD: San Francisco Region, Oakland | PHONE: (510) 464-1255

SUBSTANCES INVOLVED

(1) NAME: Gasoline | QUANTITY LOST (GALLONS): _____ ☐ UNKNOWN

(2) _____ ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 08/22/91 | HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER _____

DATE DISCHARGE BEGAN: ☒ UNKNOWN

HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE: 08/22/91

METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER _____

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER

CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☒ UNKNOWN ☐ OTHER _____

CASE TYPE

CHECK ONE ONLY
☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☐ NO ACTION TAKEN ☒ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CAP SITE (CD) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ CONTAINMENT BARRIER (CB) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ VACUUM EXTRACT (VE) ☐ OTHER (OT) _____

COMMENTS

HSC 05 (8/90)

APPENDIX B

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Albany Corporation Yard
507 San Gabriel Ave
Albany, CA 94706

CLIENT
Name City of Albany
Address 1000 San Pablo Ave Phone 510-528-5760
City Albany CA Zip 94706

APPLICANT
Name David H. Connell
Harlan Tait Associates
Address 1269 Howard St Phone 415-626-0765
City San Francisco CA Zip 94103

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection		General	
Water Supply		Contamination	✓
Monitoring		Well Destruction	

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger ___
Cable ___ Other Cone Penetration Test

DRILLER'S LICENSE NO. C-57 647348
Tonto Drilling Services, Inc

WELL PROJECTS
Drill Hole Diameter ___ in. Maximum
Casing Diameter ___ in. Depth ___ ft.
Surface Seal Depth ___ ft. Number ___

GEOTECHNICAL PROJECTS
Number of Borings 3 Maximum
Hole Diameter 2 in. Depth 30 ft.

ESTIMATED STARTING DATE Aug 25, 1992
ESTIMATED COMPLETION DATE Aug 25, 1992

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE David H Connell Date 8-19-92
ATT: work plan and site plan

FOR OFFICE USE

PERMIT NUMBER 92421
LOCATION NUMBER

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL
(1.) A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
(3.) Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

(C.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

SEP 3 1992

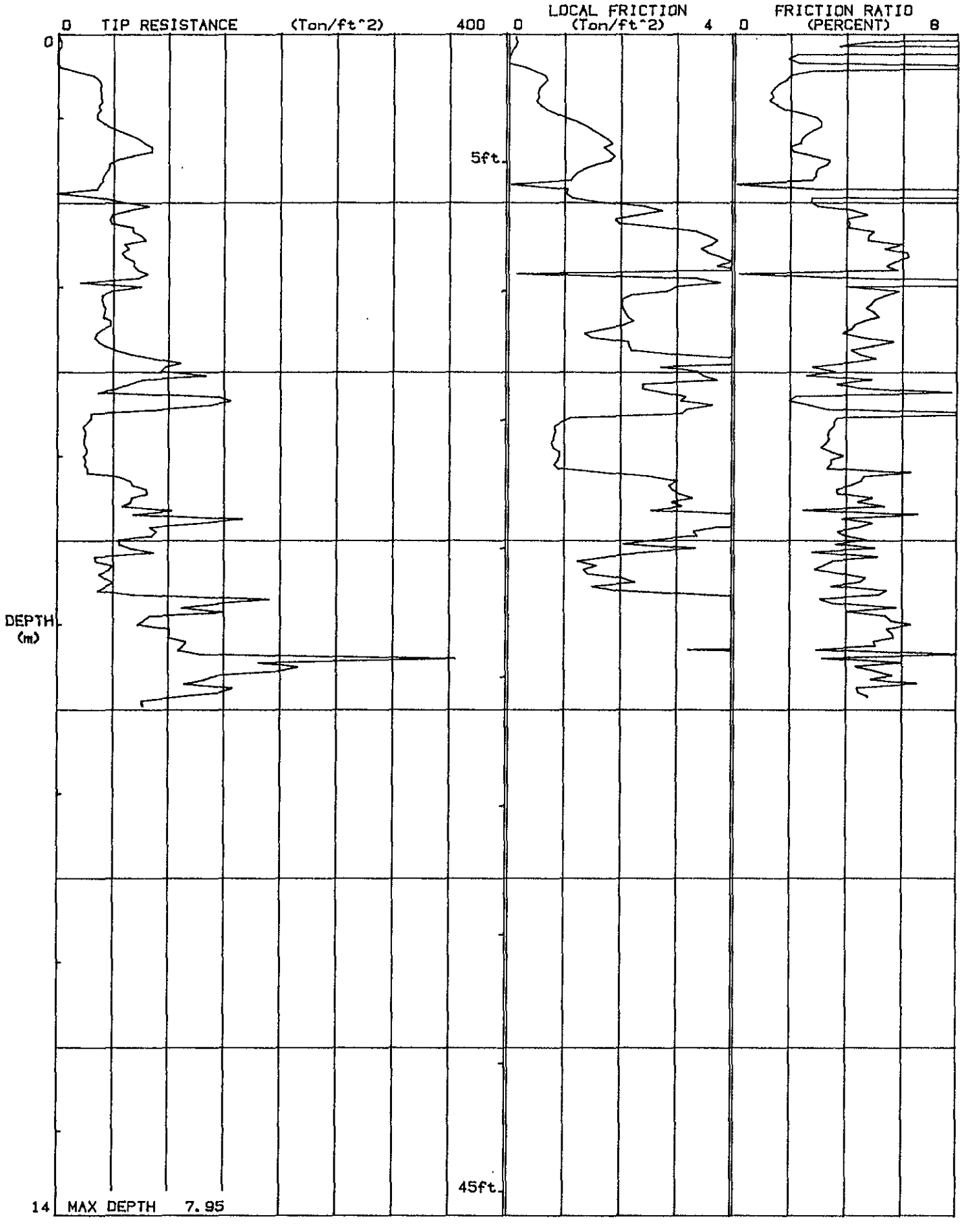
Approved Wyman Hong Date 1 Sep 92
Wyman Hong

31992

APPENDIX C

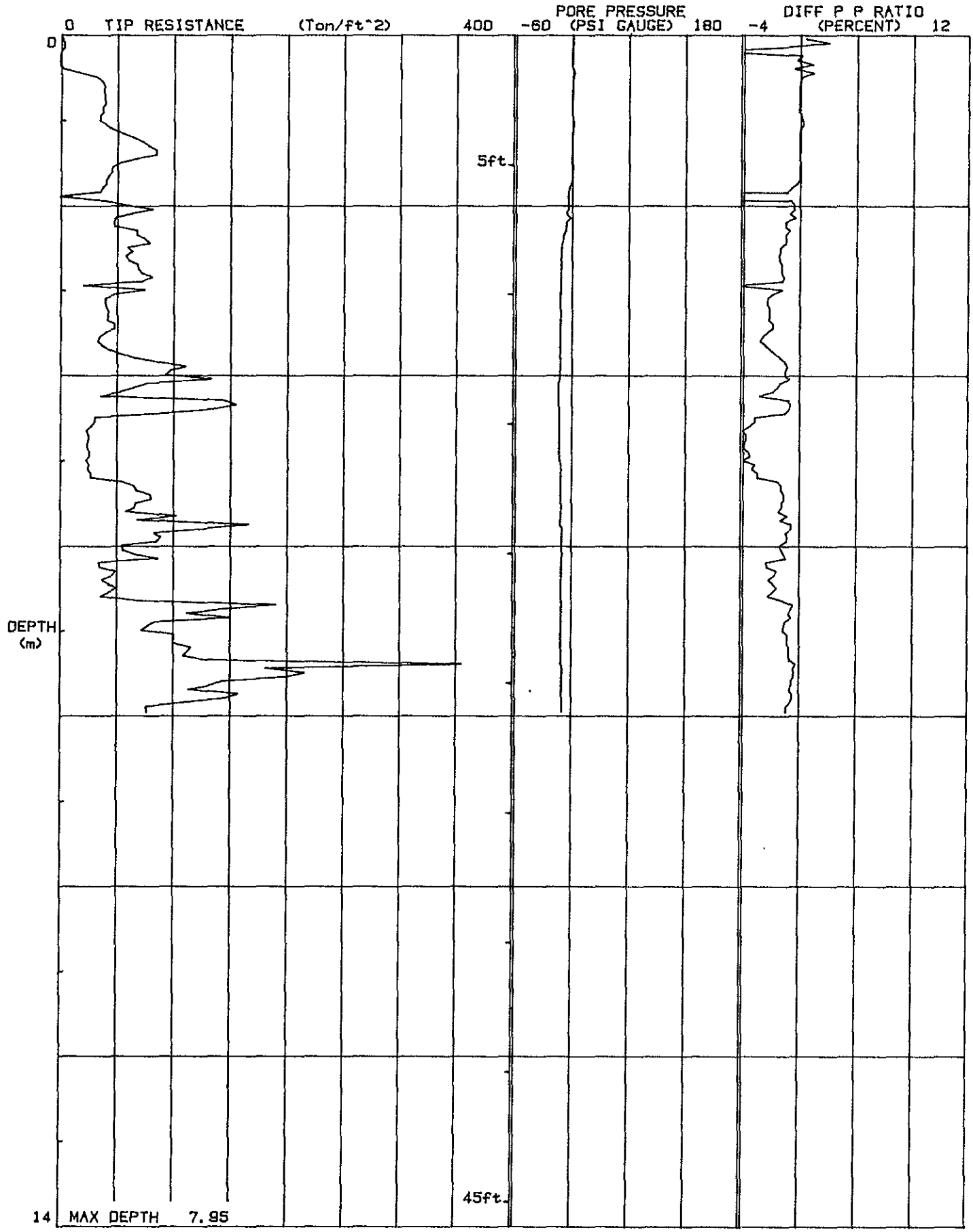
TONTO
DRILLING SERVICES, INC.

JOB # : 653.061
DATE : 08/25/92 09:21
LOCATION : CPT-1
FILE : S



TONTO
DRILLING SERVICES, INC.

JOB # : 653.061
DATE : 08/25/92 09:21
LOCATION : CPT-1
FILE : 5



TONTO ENVIRONMENTAL DRILLING

Engineer HTA
On Site Loc:CPT-1
Job No. :653.061
Tot. Unit Wt. (avg) : 110 pcf

CPT Date :08/25/92 09:21
Cone Used :339
Water table (meters) : 2

DEPTH (meters)	DEPTH (feet)	Qc (avg) (tsf)	Fs (avg) (tsf)	Rf (avg) (%)	SIGV' (tsf)	SOIL BEHAVIOUR TYPE	Eq - Dr (%)	PHI deg.	SPT N	Su tsf
0.25	0.82	1.62	0.09	5.77	0.02	organic material	UNDFND	UNDFD	2	.1
0.50	1.64	10.76	0.29	2.70	0.07	silty clay to clay	UNDFND	UNDFD	7	.7
0.75	2.46	38.42	0.58	1.51	0.11	silty sand to sandy silt	70-80	46-48	12	UNDEFINED
1.00	3.28	36.82	0.72	1.95	0.16	sandy silt to clayey silt	UNDFND	UNDFD	14	2.4
1.25	4.10	55.04	1.51	2.74	0.20	sandy silt to clayey silt	UNDFND	UNDFD	21	3.6
1.50	4.92	73.80	1.81	2.45	0.25	sandy silt to clayey silt	UNDFND	UNDFD	28	4.9
1.75	5.74	42.64	1.27	2.98	0.29	sandy silt to clayey silt	UNDFND	UNDFD	16	2.8
2.00	6.56	41.80	0.97	2.31	0.34	sandy silt to clayey silt	UNDFND	UNDFD	16	2.7
2.25	7.38	57.90	2.27	3.91	0.37	clayey silt to silty clay	UNDFND	UNDFD	28	3.8
2.50	8.20	69.82	3.41	4.88	0.39	very stiff fine grained (*)	UNDFND	UNDFD	>50	UNDEFINED
2.75	9.02	64.28	3.72	5.78	0.41	very stiff fine grained (*)	UNDFND	UNDFD	>50	UNDEFINED
3.00	9.84	64.20	2.90	4.52	0.43	silty clay to clay	UNDFND	UNDFD	41	4.2
3.25	10.66	42.50	2.21	5.20	0.45	clay	UNDFND	UNDFD	41	2.7
3.50	11.48	43.74	2.03	4.65	0.47	silty clay to clay	UNDFND	UNDFD	28	2.8
3.75	12.30	40.12	1.86	4.64	0.49	silty clay to clay	UNDFND	UNDFD	26	2.6
4.00	13.12	91.12	3.61	3.96	0.51	clayey silt to silty clay	UNDFND	UNDFD	44	6.0
4.25	13.94	72.90	2.96	4.06	0.53	clayey silt to silty clay	UNDFND	UNDFD	35	4.8
4.50	14.76	112.56	3.23	2.87	0.55	sandy silt to clayey silt	UNDFND	UNDFD	43	7.4
4.75	15.58	25.84	0.91	3.52	0.57	clayey silt to silty clay	UNDFND	UNDFD	12	1.6
5.00	16.40	24.52	0.84	3.42	0.59	clayey silt to silty clay	UNDFND	UNDFD	12	1.5
5.25	17.22	31.80	1.38	4.34	0.60	silty clay to clay	UNDFND	UNDFD	20	2.0
5.50	18.04	72.50	3.03	4.18	0.62	clayey silt to silty clay	UNDFND	UNDFD	35	4.7
5.75	18.86	92.44	3.90	4.21	0.64	clayey silt to silty clay	UNDFND	UNDFD	44	6.0
6.00	19.69	87.90	3.86	4.40	0.66	undefined	UNDFND	UNDFD	UDF	UNDEFINED
6.25	20.51	55.62	2.16	3.88	0.68	clayey silt to silty clay	UNDFND	UNDFD	27	3.6
6.50	21.33	45.04	1.72	3.83	0.70	clayey silt to silty clay	UNDFND	UNDFD	22	2.9
6.75	22.15	96.68	3.61	3.73	0.72	clayey silt to silty clay	UNDFND	UNDFD	46	6.3
7.00	22.97	98.72	5.18	5.25	0.74	very stiff fine grained (*)	UNDFND	UNDFD	>50	UNDEFINED
7.25	23.79	106.26	5.70	5.36	0.76	very stiff fine grained (*)	UNDFND	UNDFD	>50	UNDEFINED
7.50	24.61	198.12	9.04	4.56	0.78	very stiff fine grained (*)	UNDFND	UNDFD	>50	UNDEFINED
7.75	25.43	149.16	7.79	5.22	0.80	very stiff fine grained (*)	UNDFND	UNDFD	>50	UNDEFINED

Dr - All sands (Jamiolkowski et al. 1985) PHI - Robertson and Campanella 1983 Su: Nk= 15

(*) overconsolidated or cemented

**** Note: For interpretation purposes the PLOTTED CPT PROFILE should be used with the TABULATED OUTPUT from CPTINTR1 (v 3.04) ****

SEP 3 1992

SOUNDING DATA IN FILE 5 08/25/92 09:21

ENGINEER : HAR TA ASSC LOCATION : CPT-1

CONE ID : 339 JOB # : 653.061

Fonto Drilling Services Inc.

DEPTH (METERS)	TIP RESISTANCE (Ton/ft^2)	LOCAL FRICTION (Ton/ft^2)	FRICTION RATIO (PERCENT)	PORE PRESSURE (PSI GAUGE)	DIFF P P RATIO (PERCENT)	INCLINATION (DEGREES)	TEMPERATURE (DEG F)
0.05	1	0.12	13.76	0.1	0.4	0.7	-452.0
0.10	3	0.15	4.95	0.9	2.07	0.2	-452.3
0.15	3	0.12	3.71	-0.4	-0.95	0.4	-451.8
0.20	-0	0.05	42.66	-0.1	-6.3	0.4	-452.0
0.25	-1	0.02	2.23	0.1	0.2	0.5	-452.1
0.30	-1	-0.02	1.92	-0.0	-0.17	0.5	-452.0
0.35	-1	-0.02	2.29	0.1	0.9	0.4	-452.0
0.40	2	0.29	12.57	-0.1	-0.41	0.4	-451.8
0.45	17	0.47	2.72	2.4	0.97	0.4	-451.7
0.50	32	0.65	2.01	0.7	0.14	0.4	-452.1
0.55	37	0.69	1.86	0.0	0.0	0.5	-452.0
0.60	39	0.61	1.56	-0.2	-0.03	0.5	-452.0
0.65	38	0.54	1.41	-0.2	-0.03	0.5	-452.0
0.70	39	0.52	1.30	-0.3	-0.04	0.4	-451.8
0.75	39	0.54	1.39	-0.1	-0.01	0.4	-451.8
0.80	40	0.50	1.25	-0.2	-0.04	0.4	-451.8
0.85	37	0.56	1.51	-0.1	-0.02	0.4	-452.1
0.90	38	0.67	1.77	-0.1	-0.01	0.4	-451.8
0.95	35	0.84	2.41	0.5	0.10	0.4	-452.0
1.00	35	1.02	2.94	0.9	0.19	0.4	-452.0
1.05	40	1.23	3.09	1.5	0.26	0.4	-451.7
1.10	45	1.39	3.11	0.3	0.05	0.4	-451.8
1.15	54	1.51	2.81	-0.2	-0.02	0.4	-451.8
1.20	64	1.64	2.56	0.0	0.0	0.4	-452.0
1.25	73	1.76	2.40	-0.1	-0.00	0.4	-451.7
1.30	78	1.85	2.36	-0.3	-0.02	0.4	-452.1
1.35	85	1.70	1.99	-0.1	-0.00	0.4	-451.7
1.40	85	1.80	2.11	-0.1	-0.00	0.4	-452.3
1.45	88	1.69	2.77	-0.0	-0.00	0.4	-452.0
1.50	53	1.80	3.39	-0.1	-0.01	0.4	-451.7
1.55	46	1.53	3.28	-0.2	-0.02	0.4	-452.1
1.60	45	1.34	2.96	-0.2	-0.03	0.4	-452.0
1.65	42	1.22	2.89	0.1	0.01	0.4	-452.1
1.70	40	1.15	2.89	-0.1	-0.01	0.4	-452.1
1.75	40	1.10	2.77	-1.0	-0.17	0.4	-452.0
1.80	37	0.03	0.07	-3.0	-0.58	0.4	-451.8
1.85	35	1.05	2.97	-4.4	-0.89	0.4	-452.1
1.90	-1	1.03	142.5	-4.4	-43.2	0.4	-451.8
1.95	41	1.14	2.75	-3.2	-0.55	0.5	-451.8
2.00	58	1.59	2.73	-2.8	-0.34	0.5	-452.3

5 : CPT-1 : 08/23/92 09:21

DEPTH (METERS)	TIP RESISTANCE (Ton/ft^2)	LOCAL FRICTION (Ton/ft^2)	FRICTION RATIO (PERCENT)	PORE PRESSURE (PSI GAUGE)	DIFF P P RATIO (PERCENT)	INCLINATION (DEGREES)	TEMPERATURE (DEF F)
2.05	82	2.43	2.98	-3.9	-0.34	0.5	-452.0
2.10	64	2.74	4.25	-6.1	-0.68	0.5	-452.3
2.15	49	2.31	4.73	-2.1	-0.30	0.5	-451.5
2.20	47	1.89	4.01	-6.4	-0.98	0.6	-451.7
2.25	48	1.96	4.10	-6.6	-0.98	0.6	-452.0
2.30	68	2.75	4.06	-6.5	-0.68	0.6	-452.0
2.35	68	3.36	4.96	-9.2	-0.97	0.6	-451.8
2.40	75	3.57	4.78	-9.7	-0.93	0.6	-452.1
2.45	79	3.74	4.76	-10.6	-0.96	0.6	-451.8
2.50	60	3.63	5.99	-11.3	-1.34	0.6	-452.1
2.55	64	3.44	5.38	-11.6	-1.30	0.6	-451.7
2.60	58	3.58	6.18	-11.6	-1.44	0.6	-452.1
2.65	61	3.83	6.22	-12.0	-1.40	0.6	-452.0
2.70	69	4.00	5.75	-12.2	-1.26	0.6	-452.3
2.75	69	3.74	5.44	-12.2	-1.27	0.6	-452.0
2.80	72	4.22	5.82	-12.3	-1.22	0.6	-452.0
2.85	81	0.14	0.16	-12.2	-1.08	0.6	-452.1
2.90	72	3.37	4.65	-12.2	-1.21	0.6	-451.8
PORE PRESSURE DECAY (5 SEC)	-12.5	-12.5	-12.6	-12.6	-12.6	-12.6	
2.95	20	3.79	19.31	-12.2	-4.47	0.6	-452.1
3.00	75	2.99	3.96	-12.4	-1.18	0.6	-451.8
3.05	48	2.82	5.87	-12.5	-1.87	0.6	-451.7
3.10	40	2.17	5.41	-12.4	-2.22	0.6	-452.0
3.15	40	2.02	5.02	-12.5	-2.23	0.6	-452.0
3.20	41	2.01	4.88	-12.4	-2.16	0.7	-452.1
3.25	43	2.04	4.72	-12.5	-2.08	0.7	-451.8
3.30	42	2.08	4.99	-12.4	-2.13	0.7	-452.0
3.35	41	2.13	5.15	-12.5	-2.17	0.7	-452.0
3.40	48	2.23	4.65	-12.5	-1.87	0.7	-451.8
3.45	48	2.05	4.30	-12.5	-1.88	0.7	-451.5
3.50	40	1.68	4.17	-12.6	-2.24	0.7	-451.8
3.55	35	1.35	3.86	-12.5	-2.56	0.7	-452.0
3.60	33	1.48	4.52	-12.6	-2.77	0.8	-452.1
3.65	37	2.13	5.69	-12.4	-2.38	0.9	-451.7
3.70	43	2.15	4.96	-12.3	-2.04	0.9	-452.3
3.75	52	2.19	4.18	-12.2	-1.67	0.9	-452.0
3.80	66	2.96	4.48	-12.2	-1.32	0.9	-451.7
3.85	86	4.45	5.05	-12.2	-0.99	0.9	-452.0
3.90	111	4.52	4.06	-12.9	-0.83	1.0	-451.8
3.95	97	2.71	2.80	-13.1	-0.97	1.2	-452.3
4.00	93	3.38	3.61	-13.0	-1.00	1.3	-452.1
4.05	134	3.49	2.59	-12.9	-0.68	1.3	-451.7
4.10	76	3.75	4.93	-14.2	-1.34	1.3	-451.8
4.15	65	2.39	3.66	-14.0	-1.54	1.3	-451.8
4.20	53	2.38	4.47	-13.7	-1.85	1.4	-452.1
4.25	36	2.77	7.80	-13.8	-2.80	1.4	-452.1
4.30	145	3.16	2.18	-13.7	-0.68	1.4	-451.7
4.35	156	3.07	1.97	-13.5	-0.62	1.4	-452.1
4.40	137	3.65	2.67	-13.5	-0.71	1.4	-452.0
4.45	95	3.19	3.34	-13.4	-1.01	1.0	-451.7

5 : CPT-1 : 08/25/92 09:21

DEPTH (METERS)	TIP RESISTANCE (Tsn/ft 2)	LOCAL FRICTION (Tsn/ft^2)	FRICTION RATIO (PERCENT)	PORE PRESSURE (PSI GAUGE)	DIFF P P RATIO (PERCENT)	INCLINATION (DEGREES)	TEMPERATURE (DEG F)
4.50	30	3.09	10.28	-13.2	-3.16	1.0	-451.8
4.55	30	1.10	3.67	-13.1	-3.17	0.8	-452.1
4.60	27	0.95	3.57	-13.0	-3.52	0.8	-451.7
4.65	23	0.83	3.55	-13.0	-4.00	0.8	-451.8
4.70	25	0.85	3.41	-13.0	-3.77	0.8	-451.8
4.75	25	0.82	3.35	-12.8	-3.75	0.8	-452.1
4.80	24	0.81	3.40	-12.9	-3.90	0.8	-451.7
4.85	24	0.77	3.27	-12.9	-3.94	0.8	-452.0
4.90	26	0.80	3.10	-12.9	-3.60	0.8	-452.3
4.95	26	0.91	3.45	-12.9	-3.50	0.8	-451.5
5.00	23	0.91	3.89	-12.9	-3.98	0.8	-451.8
5.05	25	0.88	3.46	-11.2	-3.15	0.8	-451.3
5.10	24	0.82	3.44	-11.1	-3.34	0.8	-452.1
5.15	27	0.90	3.32	-11.1	-2.93	0.8	-451.7
5.20	27	1.71	6.33	-10.9	-2.92	0.8	-452.0
5.25	56	2.58	4.63	-11.1	-1.43	0.8	-451.7
5.30	66	3.02	4.54	-11.3	-1.21	0.8	-451.8
5.35	68	2.87	4.22	-11.3	-1.19	0.8	-451.7
5.40	80	2.93	3.67	-11.4	-1.02	0.8	-451.8
5.45	81	3.04	3.72	-11.6	-1.02	0.8	-451.5
5.50	67	3.29	4.93	-11.6	-1.24	0.9	-451.7
5.55	66	2.91	4.41	-11.4	-1.24	1.0	-452.0
5.60	58	3.09	5.36	-11.5	-1.44	1.0	-451.7
5.65	103	2.54	2.46	-12.0	-0.84	1.0	-452.0
5.70	68	4.50	6.58	-12.2	-1.28	1.0	-451.5
5.75	167	6.43	3.84	-12.2	-0.52	0.9	-451.8
5.80	128	6.32	4.94	-9.3	-0.52	0.9	-452.0
5.85	83	3.72	4.50	-10.3	-0.89	0.9	-452.0
5.90	89	3.31	3.70	-9.9	-0.79	0.9	-451.7
5.95	85	3.37	3.96	-10.3	-0.86	0.9	-451.8
6.00	55	2.60	4.74	-9.9	-1.30	0.9	-451.7
6.05	56	2.05	3.63	-9.7	-1.23	0.9	-452.0
6.10	66	3.36	5.05	-9.9	-1.07	0.9	-451.8
6.15	87	2.43	2.81	-11.1	-0.91	0.9	-451.8
6.20	34	1.73	5.12	-11.0	-2.33	0.9	-452.0
6.25	35	1.23	3.50	-10.9	-2.83	0.9	-451.5
6.30	49	1.57	3.20	-10.7	-1.57	0.9	-451.8
6.35	46	1.34	2.88	-10.9	-1.73	0.9	-451.7
6.40	37	1.42	3.87	-10.8	-2.11	0.9	-452.0
6.45	43	2.03	4.71	-10.7	-1.78	1.0	-451.7
6.50	50	2.26	4.51	-10.7	-1.53	0.9	-451.8
6.55	43	1.49	3.48	-10.8	-1.81	0.9	-452.0
6.60	36	1.96	5.46	-10.9	-2.18	0.9	-452.0
6.65	69	3.58	5.17	-10.7	-1.11	0.9	-451.3
6.70	191	5.88	3.08	-10.8	-0.40	0.9	-451.8
6.75	145	5.13	3.53	-11.2	-0.55	0.9	-452.0
6.80	112	6.54	5.82	-11.1	-0.71	1.0	-452.3
6.85	150	6.03	4.02	-11.1	-0.53	1.0	-451.8
6.90	83	4.52	5.44	-11.2	-0.96	1.0	-451.5
6.95	77	4.31	5.61	-11.0	-1.03	1.0	-451.7

S : CPT-1 : 05/15/92 09:21

DEPTH (FEET)	TIP RESISTANCE (Tsf ft 2)	LOCAL FRICTION (Tsf/ft 2)	FRICTION RATIO (PERCENT)	PORE PRESSURE (PSI GAUGE)	DIFF P P RATIO (PERCENT)	INCLINATION (DEGREES)	TEMPERATURE (DEG F)
7.00	72	4.51	6.31	-10.9	-1.09	1.0	-452.1
7.05	101	5.55	5.46	-10.9	-0.77	1.0	-451.7
7.10	101	5.69	5.65	-10.8	-0.77	1.0	-451.8
7.15	100	5.71	5.71	-11.1	-0.80	1.0	-452.1
7.20	116	5.81	4.99	-10.9	-0.67	1.0	-452.0
7.25	113	5.72	5.06	-10.8	-0.68	1.0	-452.1
7.30	109	3.21	2.95	-10.6	-0.70	1.0	-452.0
QUIT FOR	LOCAL FRICTION						
?00002?	176	11.49	6.52	-10.7	-1.77	1.6	-468.6
7.35	129	10.47	8.13	-10.8	-0.60	1.0	-452.1
7.40	356	11.24	3.15	-10.6	-0.21	1.5	-451.8
7.45	181	10.84	6.00	-9.2	-0.36	1.6	-451.7
7.50	216	9.44	4.36	-9.1	-0.30	1.6	-452.3
7.55	199	10.03	5.03	-10.1	-0.36	1.7	-451.8
7.60	143	8.08	5.66	-10.1	-0.50	1.8	-452.3
7.65	132	6.45	4.87	-9.7	-0.52	1.9	-452.1
7.70	114	7.44	6.52	-9.5	-0.60	1.9	-452.1
7.75	158	6.94	4.40	-9.6	-0.43	1.9	-451.7
7.80	146	6.51	4.45	-9.5	-0.46	1.9	-451.7
7.85	109	5.23	4.79	-9.5	-0.62	1.9	-452.0
7.90	76	?0000000000000000??	0000000000000000?	-9.5	-0.89	1.9	-451.8
7.95	77	?0000000000000000??	0000000000000000?	-9.4	-0.87	1.9	-452.3

WRITE # RODS USED ___

APPENDIX D

APPENDIX D - STANDARD OPERATING PROCEDURES

1. Soil Sample Collection and Handling

A one-inch OD brass liner is used to obtain soil samples for testing. The sampler and liners are cleaned by washing in Alconox and water, followed by a thorough tap water rinse and a distilled water rinse.

After sampling, the liners are sealed at both ends with aluminum foil, leaving no free air space inside. The ends are covered with plastic caps and the liners are labeled with indelible marker showing boring number, depth, date, and job number. The samples are then placed in a cooler with sufficient dry ice to maintain samples at 4 degrees centigrade during shipment.

2. Water Sample Collection and Handling for Grab Samples

Prepared containers are obtained from the testing laboratory prior to sampling. Duplicate samples are taken when required by the laboratory. Glass vials with teflon lids are used to store the collected samples for hydrocarbon testing.

Water in the bore hole is sampled using a teflon sampler that meets EPA regulations. The water is then transferred to the glass vials supplied by the laboratory. To insure sample integrity, each vial is filled with the sampled water so that the water stands above the lip of the vial. The cap is then quickly placed on the vial and tightened securely. Prior to sample labeling, the vial is checked to ensure that air bubbles are not present. Label information includes a sample identification number, job number, date, time, type of analysis requested, and the sampler's initials. Chain of Custody forms are completed as indicated below.

The vials are immediately placed in coolers for shipment to the laboratory. The coolers are packed with sufficient ice or freezer packs to ensure that the samples are kept below 4 degrees centigrade. To minimize sample degradation, the prescribed analysis is performed within seven days of sample collection unless specially prepared acidified vials are used.

To minimize the potential for cross contamination between holes, the water sampling equipment is cleaned by washing in Alconox and water followed by a thorough water rinse and a distilled water rinse between each sampling.

3. Chain of Custody

A Chain of Custody form is kept with the samples at all times; the form is completed when the samples are marked and put into the cooler. Samples are maintained under custody until they are shipped or delivered to the laboratory. Custody of samples is transferred from one person to the next. Each transferee and recipient signs, dates, and notes the time of transfer on the Chain of Custody form. When the samples are received by the laboratory, the Chain of Custody form is dated and signed, and a note of the time is made by a laboratory representative. The form, along with the shipping bills and receipts, is retained in the laboratory files. A copy is transmitted to our project manager and kept in our project file.

APPENDIX E

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

LABORATORY NO.: 55444
CLIENT: HARLAN TAIT ASSCIATES
CLIENT JOB NO.: 653.061

DATE RECEIVED: 08/26/92
DATE REPORTED: 09/02/92

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
by Modified EPA SW-846 Method 5030 and 8015

LAB #	Sample Identification	Concentration Gasoline Range	
1	CPT-1	91	ug/L
2	TRIP BLANK	ND<50	ug/L
3	CPT-1 4.0'	ND<1	mg/kg
4	CPT-1 8.0'	6	mg/kg
5	CPT-2 6.0'	ND<1	mg/kg
6	CPT-2 12.0'	ND<1	mg/kg
7	CPT-3 7.0'	3	mg/kg
8	CPT-3 14.0'	ND<1	mg/kg
9	STOCKPILE COMPOSITE	ND<1	mg/kg

ug/L - parts per billion (ppb)
mg/kg - parts per million (ppm)

Method Detection Limit for Gasoline in Water : 50 ug/L
Method Detection Limit for Gasoline in Soil: 1 mg/kg

QAQC Summary:

Daily Standard run at 2mg/L: %Diff Gasoline = <15
MS/MSD Recovery = 87%: Duplicate RPD = 15%

Richard Srna, Ph.D.

Laboratory Manager

SEP 8 1992

Certified Laboratories

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

LABORATORY NO.: 55444
CLIENT: HARLAN TAIT ASSCIATES
CLIENT JOB NO.: 653.061

DATE RECEIVED: 08/26/92
DATE REPORTED: 09/02/92

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration Benzene	Toluene	Ethyl Benzene	Xylenes	
1	CPT-1	0.7	0.3	4.0	0.4	ug/L
2	TRIP BLANK	ND<0.3	ND<0.3	ND<0.3	ND<0.3	ug/L
3	CPT-1 4.0'	ND<.003	ND<.003	ND<.003	ND<.003	mg/kg
4	CPT-1 8.0'	ND<.003	ND<.003	0.061	0.45	mg/kg
5	CPT-2 6.0'	ND<.003	ND<.003	ND<.003	ND<.003	mg/kg
6	CPT-2 12.0'	ND<.003	ND<.003	ND<.003	ND<.003	mg/kg
7	CPT-3 7.0'	ND<.003	ND<.003	0.014	0.013	mg/kg
8	CPT-3 14.0'	ND<.003	ND<.003	ND<.003	ND<.003	mg/kg
9	STOCKPILE COMPOSITE	ND<.003	ND<.003	ND<.003	ND<.003	mg/kg

ug/L - parts per billion (ppb)
mg/kg - parts per million (ppm)

Method Detection Limit in Soil: 0.003 mg/kg
Method Detection Limit in Water : 0.3 ug/L

QAQC Summary:

Daily Standard run at 20ug/L: %Diff 8020 = <15%
MS/MSD Average Recovery = 103%: Duplicate RPD = 4%

Richard Srna, Ph.D.

Laboratory Manager

SEP 8 1992

Superior Precision Analytical, Inc.
825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

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

LABORATORY NO.: 86575
CLIENT: HARLAN TAIT ASSOCIATES
CLIENT JOB NO.: 653.061

DATE RECEIVED:08/26/92
DATE REPORTED:09/03/92
DATE SAMPLED :08/25/92

ANALYSIS FOR TOTAL LEAD
by SW-846 Method 6010

LAB #	Sample Identification		Concentration(mg/kg) Total Lead
1	CPT-1	(mg/L)	0.4
2	CPT-1,4.0'		16
3	CPT-1,8.0'		6
4	CPT-2,6.0'		7
5	CPT-2, 12.0'		6
6	CPT-3, 7.0'		8
7	CPT-3, 14.0'		10
8	STOCKPILE COMPOSITE		41

mg/kg - parts per million (ppm)

SEP 8 1992

Method Detection Limit for Lead in Soil: 5 mg/kg
Method Detection Limit for Lead in Water: 0.1 mg/L

QAQC Summary: MS/MSD Average Recovery : 90%
Duplicate RPD : 13

Richard Srna, Ph.D.

Laboratory Manager

55944

Section I Chain of Custody and Analysis Request

page___of___

Consultant: Harlan Tait Assoc
Address: 1269 Howard St, San Francisco CA 9
Phone No. 626-0765 Fax No. 415-255-2431
Project Manager: Dave Connell
Alternate Contact: Reid Fisher
Project No. 653.061 P.O. No. ______

Turn Around Time (circle one)
Same Day / 72 Hrs / 24 Hrs / 48 Hrs / Normal 5 Day (circled)

Superior Precision Analytical, Inc.
P.O. Box 1545
Martinez, California 94553
Martinez 1 (510) 229-1512 Martinez 2 (510) 229-0166
SanFrancisco (415) 647-2081

Sampler: Reid Fisher
Regulatory Agency: Alameda Co, Dept of Environmental Health

Section II: Analysis Request

Laboratory Sample Identification	Matrix (S = Soil A = Air W = Water)	mod 8015 - Gas	mod 8015 - BTEX	mod 8015 - Diesel	8010	8240	CAM17	TCLP Metals:	Metals:	418.1 - TPH by IR	O & G	PCBs	TOTAL LEAD		Date Sampled	Time Sampled	Number of Containers	Preservative (yes or no)
1 CPT-1	W	/	/										/		8/25	2:40	4	Y
2 Trip Blank	W	/	/												–	-	1	-
3 CPT-1, 4.0'	S	/	/										/		8/25	9:00	1	N
4 CPT-1, 8.0'	S	/	/										/		"	9:00	1	N
5 CPT-2, 6.0	S	/	/										/		"	10:00	1	N
6 CPT-2, 12.0'	S	/	/										/		"	10:00	1	N
7 CPT-3, 7.0'	S	/	/										/		"	1:00	1	N
8 CPT-3, 14.0'	S	/	/										/		"	1:00	1	N
9 Stockpile Composite	S	/	/										/		"	3:00	1	N
10																		
11																		
12																		

Sampling Remarks
- [ ] Bio-remediation
- [x] Underground storage tank
- [ ] Monitoring
- [ ] Recent Contamination
- [ ] Unknown Compounds

Relinquished by / Organization	Date/Time	Received by / Organization	Date/Time
Reid Fisher / Harlan Tait Assoc.	8/25 5:30	David Hammell / Harlan Tait Assoc	8/25/ 5:30pm
— / —		— / —	
David Hammell / Harlan Tait Assoc	8/26/92, 10:45	[illegible] / Superior	8/26/92 10:45

Lab please initial the following:
- Samples Stored in Ice ✓
- Appropriate Containers ✓
- Samples Preserved ✓
- VOAs without Headspace ✓
- Comments [illegible]

Checklist for Proper Chain of Custody Completion

Section I: Consultant Information

____ Consultant Firm Information correct (ie. name, location, fax number, etc.)
* samples cannot be processed without project number
____ Project Manager name included
* the final report will go to this person
____ Alternate Contact listed
* someone who has knowledge of the project, other than the project manager if unavailable

Method	Common Name		PQL	Containers/Preservati
8010	Halogenated Volatile Organics	W: S:	0.5 - 4ppb 0.005- 0.01ppm	3x40mL VOA/HCL 100g/none
8015	Total Petro. Hydrocarbons as Gasoline and Diesel	W: S:	0.5ppm 1ppm	3x40mL VOA/HCL 60g/none
8015	Total Petro. Hydrocarbons as Low Level Diesel	W: S:	50ppb 1ppm	2x1L bottle/none 100g/none
*8015	Total Petro. Hydrocarbons as Gasoline	W: S:	50ppb 1ppm	3x40mL VOA/HCL 60g/none
*8020	Aromatic Volatiles (BTXE)	W: S:	0.5ppb 5ppb	3x40mL VOA/HCL 60g/none
8240	Volatile Organics by GC/MS	W: S:	2 - 20ppb 0.01- 0.1ppm	3x40mL VOA/HCL 60g/none
7000 Series	Metals	W: S:	0.01- 0.5ppm 0.2-10ppm	1x500mL bottle/HNO 100g/none
DHS-LUFT	Organic Lead	W: S:	2ppm 4ppm	1x40mL VOA/none 10g/none
5520	Oil & Grease	W: S:	5ppm 50ppm	1x1L bottle/HCL 100g/none
9040	pH	W: S:	N/A N/A	1x1L bottle/none 100g/none
1020	Flashpoint	W: S:	N/A N/A	1x1L bottle/none 50g/none
TDS	Total Dissolved Solid	W:	10ppm	1x1L bottle/none
418.1	Oil & Grease/IR	W: S:	0.5ppm 50ppm	1x1L bottle/HCL 100g/none
TCLP	Toxicity Characteristic Leaching Proceedure	S:	as stated in method	100g/none
STLC	Soluble Threshold Limit Concentration	S:	as stated in method	50g soil/none

* May be run in series or as separate analyses.

____ Desired Analyses Marked and Correct
____ Sample Identification Correct
* identification which is pertinent to the consultant
____ Metals for analysis have been designated (i.e., Pb, Cd, CAM17, etc.)
____ If full data deliverables are required, please note on front of C.O.C.

Section III: Further Sample Information

____ Number of Containers and Sample Preservation noted
____ Date Sample was collected
* necessary for calculating holding times

SEP 8 19

Tips for working with the laboratory:

- Do not use electricians tape
- When in doubt, re-sample
- pack in ice
- Use waterproof markers
- 2 trip blanks are required
- use only approved containers