REPORT OF FINDINGS

UNDERGROUND STORAGE TANK REMOVALS

GERMAN AUTO CRAFT

301 EAST 14th STREET

SAN LEANDRO, CALIFORNIA

EPA #CAC000519160

PREPARED FOR:

Mr. Seung Lee

301 East 14th Street

San Leandro, CA 94577

PREPARED BY:

THE ENVIRONMENTAL CONSTRUCTION COMPANY

259 Kinney Avenue

San Jose, CA 95112

NOVEMBER, 1990

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C Analytical Results and Chain of Custody

November 26, 1990

Mr. Seung Lee
301 East 14th Street
San Leandro, Ca. 94577
(415)638-5473

UNDERGROUND TANK REMOVAL
301 EAST 14th STREET
SAN LEANDRO, CA. 994577
USEPA #CAC000519160

Dear Mr. Lee,

INTRODUCTION:

On September 28, 1990, **THE ENVIRONMENTAL CONSTRUCTION COMPANY** removed: one, 150-gallon, one, 550-gallon, two, 1000-gallon, and two, 2000-gallon, steel, single-walled, underground storage tanks from the subject property located at 301 East 14th Street, San Leandro, California. The scope of work included: completion and submission of the tank closure permits as required by the San Leandro Fire Department (SLFD), providing for the removal of the tanks and known piping, collecting of appropriate samples from the tank pit excavation and piping areas; providing for proper disposal of the tank and associated piping; this report of findings (closure report) which summarizes the history of the tank, the procedures and results of the inspection and removal, subsurface sampling methods, and analytical results of the samples collected during removal of the tank.

1 x 150 gallon (waste oil)
1 x 550 "
2 x 1000 "
2 x 2000 "

EXECUTIVE SUMMARY

On September 28, 1990, TECC removed 6 UST's from the subject property located at 301 East 14th Street, San Leandro, California. 10 soil samples from beneath the base of the tanks, 1 soil sample from the product line area near former pump island and 3 CGS samples from the excavated soils were collected and sent to a state-certified analytical laboratory. These samples were analyzed, following the LUFT Manual sampling guidelines, for TPHg/BTEX (5030-8015/8020). The soils sample from the waste oil tank was sampled for TPHg, TPHd (as diesel), Oil & Grease, and Purgeable Halocarbons.

Concentrations of TPHg ranging from N.D.(not detected above test method detection levels) to 840 parts per million (ppm). BTEX concentrations ranged from N.D. to 25,710 parts per billion (ppb).

Tanks #1, #2, and #3 were observed to have holes in them and showed obvious signs of serious corrosion. They appeared to have leaked sometime prior to their removal.

RISK

The hydrocarbon contamination at the site represents a moderately high environmental risk for the following reasons:

- o High TPHg concentrations exist in the soils immediately under neath the former location of UST's #1,#2 and #3.
- o Moderate TPHg (as gasoline) concentrations exist in the soils immediately underneath the former location of UST's #4 and #5.
- o High BTEX concentrations also exist in these areas.
- o Separate-phase hydrocarbons were observed as strong odors and staining underneath these areas.
- o This contamination may have impacted the groundwater table.
- o Nearby utility conduits may have acted as a pathway for contamination migration off-site.

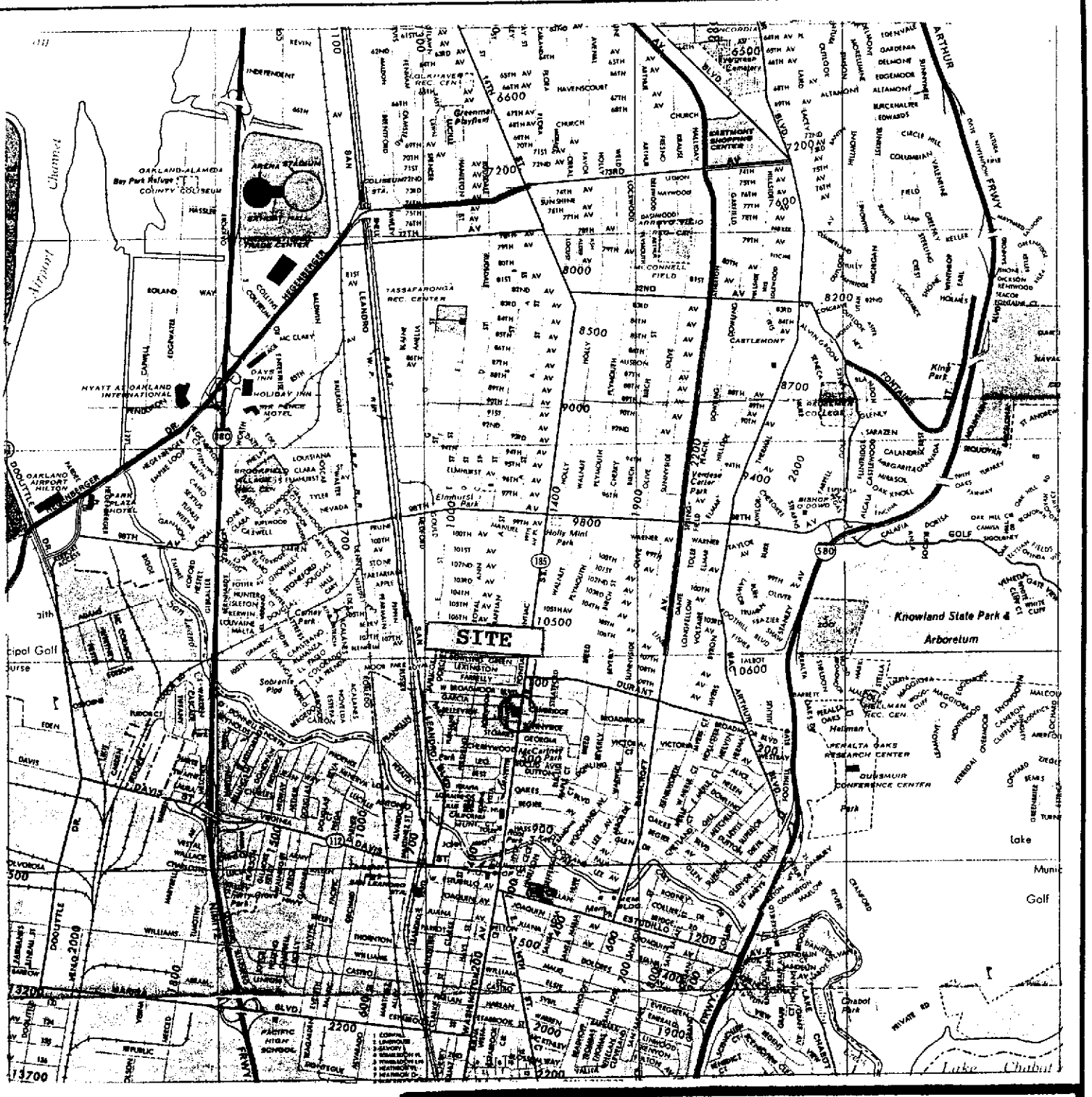
TANK HISTORY AND SITE BACKGROUND

The site is an automotive repair shop located in south-central part of San Leandro near the intersection of Garcia and East 14th Streets. It is the understanding of **THE ENVIRONMENTAL CONSTRUCTION COMPANY** that the age of the subject tank is unknown and that as-built plans were not available. The former usage of the site was a retail gasoline station. It was reported to TECC that the tanks appear to have been last used in 1981. The property was purchased on June 17, 1977 by Mr. Wilhelm who sold the property to Mr. Andrati on October 16, 1983. Mr. Andrati sold the property to Mr. Lee on April 15, 1985. The current property owner has never used the UST's for storage of fuels.

Prior to the excavation, the tanks were reported to be two, 1000-gallon, and two, 2000-gallon steel, single-walled, underground storage tanks (UST's) that had previously contained unleaded gasoline, one 550-gallon UST that had contained regular gasoline, and one 150-gallon UST that had previously been used to store waste oil. The site is paved with asphalt and the tank areas were covered with concrete. Nearby adjacent property usage is commercial with small businesses, and single and multiple occupancy residential building (see Figure 2). The drinking water supply is provided by municipal and private water supply companies. Figure 1 is a regional map that describes the regional setting of the site. Figure 2, a soil sampling location map, shows the adjacent properties and general layout out of the site.

The Environmental Construction Company

... WORKING TOWARDS A CLEANER ENVIRONMENT



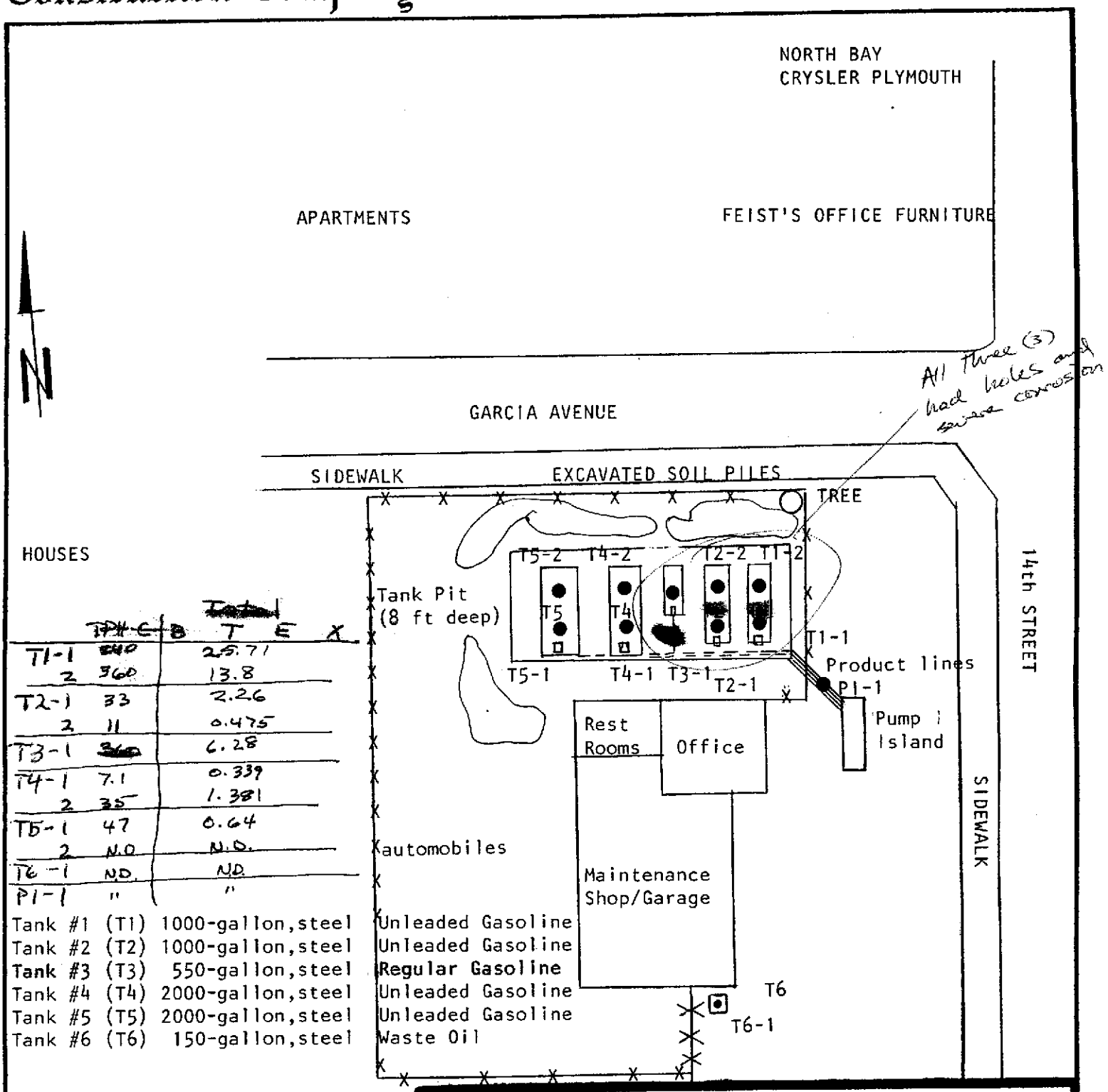
THE ENVIRONMENTAL CONSTRUCTION CO.

SCALE: 1in=1/2mi	301 East 14th St San Leandro, CA	DRAWN BY TS
DATE: 11/20/90		REVISED

REGIONAL SITE MAP

FIGURE 2

SAMPLING LOCATION MAP



	TPH-G	B	T	E	X
T1-1	640		25.71		
2	360		13.8		
T2-1	33		2.26		
2	11		0.475		
T3-1	360		6.28		
T4-1	7.1		0.339		
2	35		1.381		
T5-1	47		0.64		
2	N.D.		N.D.		
T6-1	ND.		ND		
P1-1	"		"		

Tank #1	(T1)	1000-gallon, steel
Tank #2	(T2)	1000-gallon, steel
Tank #3	(T3)	550-gallon, steel
Tank #4	(T4)	2000-gallon, steel
Tank #5	(T5)	2000-gallon, steel
Tank #6	(T6)	150-gallon, steel

Unleaded Gasoline
Unleaded Gasoline
Regular Gasoline
Unleaded Gasoline
Unleaded Gasoline
Waste Oil

THE ENVIRONMENTAL CONSTRUCTION CO.

SCALE: 1in=20ft	301 East 14th St.	DRAWN BY TS
DATE: 11/12/90	San Leandro, CA	REVISED

FIGURE 2
SAMPLING LOCATION MAP
● SOIL SAMPLE LOCATIONS

#238

TANK AND PIPING REMOVAL (FIELD OBSERVATIONS)

On September 28, 1990, TECC personnel exposed the top and sides of the tanks in preparation for excavation. Mr. Michael Bakaldin of the (SLFD) was on site to witness the devolatilizing of the tanks, removal and disposal of the tanking and piping and backfill material and to review the sampling procedures. TECC personnel removed the soils over and along the perimeter of tanks #1, #2, #3, #4, and #5 to a depth of approximately 10 feet below grade. The excavation depth of tank #6 was 6 feet.The attached sampling location map,Figure 2 shows the location of the UST's and soil samples.

Tanks #1, and #2 had a capacity of 1000-gallons; tank #3 had a capacity of 550-gallons; tanks #4 and #5 were estimated to have a capacity of 2000-gallons; tank #6 was estimated to have a capacity of 150-gallons. The tanks were found to be empty of fluids. The tanks were then purged of volatiles by inserting 900 pounds of dry ice in the fill port end of the tanks. A GasTech Model 1314 explosimeter was placed into the tanks to observe the lower explosive limit (LEL) and oxygen levels inside the tank. For safety guidelines the LEL and oxygen levels must be below 10%. Readings below these levels were observed and the tanks were prepared to be removed from the pit. Tank #1 was removed first, followed by tanks #2, #3, #4, #5, and #6 (waste oil tank). These removals were accomplished by attaching two heavy duty chains to each end of the tank. This assembly was then attached to a lifting crane and the tank was lifted from the excavation pit. The piping associated with the tanks was found to be intact and was removed to a piping and tank staging area away from the excavation.

Hydrocarbon staining and odor was observed in the tank pit during the removal of tanks #1, #2, #3, #4 and #5. The soils underneath tank #6 (waste oil tank) had a faint oily odor and dark gray stain. Groundwater was not encountered to a depth of at least 10 feet. The tanks were loaded onto a transport truck (H & H Ship Service, USEPA, #CAD004771168) and taken to their recycling facility at 220 China Basin Street, San Francisco,California.

EXCAVATION OF SOILS

The depth of the tank pit containing tanks #1, #2, #3, #4, and #5 was approximately 8 feet below surface grade. The excavation area was approximately 44 feet long and 16 feet wide. The excavation area for tank #6 (waste oil) was 6 feet deep, 6 feet long and 5 feet wide. **A strong Hydrocarbon odor and dark gray stain was observed in the tank pit area adjacent to tanks #1, #2, #3, and #4.** A dark gray stain was observed on the east wall of the tank pit for tank #6 (waste oil tank) at a depth from 3 to 5 feet. A total of approximately 15 cubic yards of soil was excavated from the pit of tank #6. No groundwater was observed during the excavation of the tanks to a depth of at least 10 feet. **The pit hole was lined with plastic and the soil was put back in and covered with plastic as a temporary containment measure to prevent any off-site migration of contamination.** *

Soil still in place?

SOIL SAMPLING PROTOCOL-September 28, 1990 sampling event

As per instruction of Mr. Michael Bakaldin of the (SLFD) TECC, on September 28, 1990, recovered 9 samples from the soils taken 2 feet below the base of each tank, (#1, #2, #3, #4, and #5)at depths of 10 feet below grade and 7 feet below grade for tank #6. Three composite grab samples (CGS-1, CGS-2, CGS-3) were also taken from the excavated soils. A sample was also taken adjacent to the pump island on the north end of the property. A total of 17 samples were collected. The sample locations are shown in the attached Figure 2, titled "Soil Sampling Location Map". The soil sample method used to collect these samples was the grab sample method. In this method a clean 6-inch long and 2-inch diameter brass tube was driven into the pile of excavated soil. Immediately upon recovery of the soil sample, the ends of the brass tube were sealed with aluminum foil and plastic caps and then secured with aluminized tape and labeled. The label included date, time, sample identification number, analysis requested, sampler name, and project identification number. The sample was then placed on ice inside a thermally-insulated cooler for transport to a State-Certified Analytical Laboratory, Chromalab Inc. of San Ramon, California (State Certification #238 and #655). At the request of the SLFD and the sampling guidelines of the CAL-LUFT manual, all samples were tested for Total Petroleum Hydrocarbons (as gasoline) (TPHg)-(EPA Method 5030/8015)/ Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) (EPA Method 8020). The sample taken from below the waste oil tank and from its excavated soils (CGS-3) (sample T6-1) was also analyzed for Oil and Grease (Standard Method 503 D&E), TPH(as diesel)-EPA Method 3550/8015 and Halogenated Hydrocarbons Compounds (EPA Method 8010). The test method detection levels were 10 mg/Kg, 5.0 mg/Kg, and 5 ug/Kg respectively.

ANALYTICAL RESULTS

The laboratory analytical results are presented in the attached Table 1. TPHg, BTEX and total lead concentrations are also displayed in Figures #3 and #4. The analytical results indicate that the highest concentrations of TPH (as gasoline)/ BTEX appear to be localized in the soils immediately below the center of tank #1, (soil sample T1-1) and of tank #3 (soil sample T3-1). Analytical results of CGS-3 (waste oil tank excavated soils) also showed high concentrations of Oil and Grease. The analytical results of only one sample (T5-2) indicated concentrations of TPH (as gasoline)/BTEX below test method detection limits of 2.5 ppm and 5 ppb. The sample T6-1 and CGS-3 were also analyzed for Volatile Organic Compounds (EPA Method 8240) and the results indicated no concentrations of Purgeable Halocarbon Compounds above test method detection limits of 5 ppb. The analytical results indicated TPHd and TPHg/BTEX contamination in samples CGS-1, CGS-2, and CGS-3. These analytical results indicate that the excavated soils from the waste oil tank pit are above State and Local corrective action levels (CAL) TPHg/BTEX, TPHd and (in CGS-3) Oil and Grease contamination. Further investigative action for the soils and groundwater is being recommended in a forthcoming proposal and work plan.

TABLE 1 ANALYTICAL RESULTS

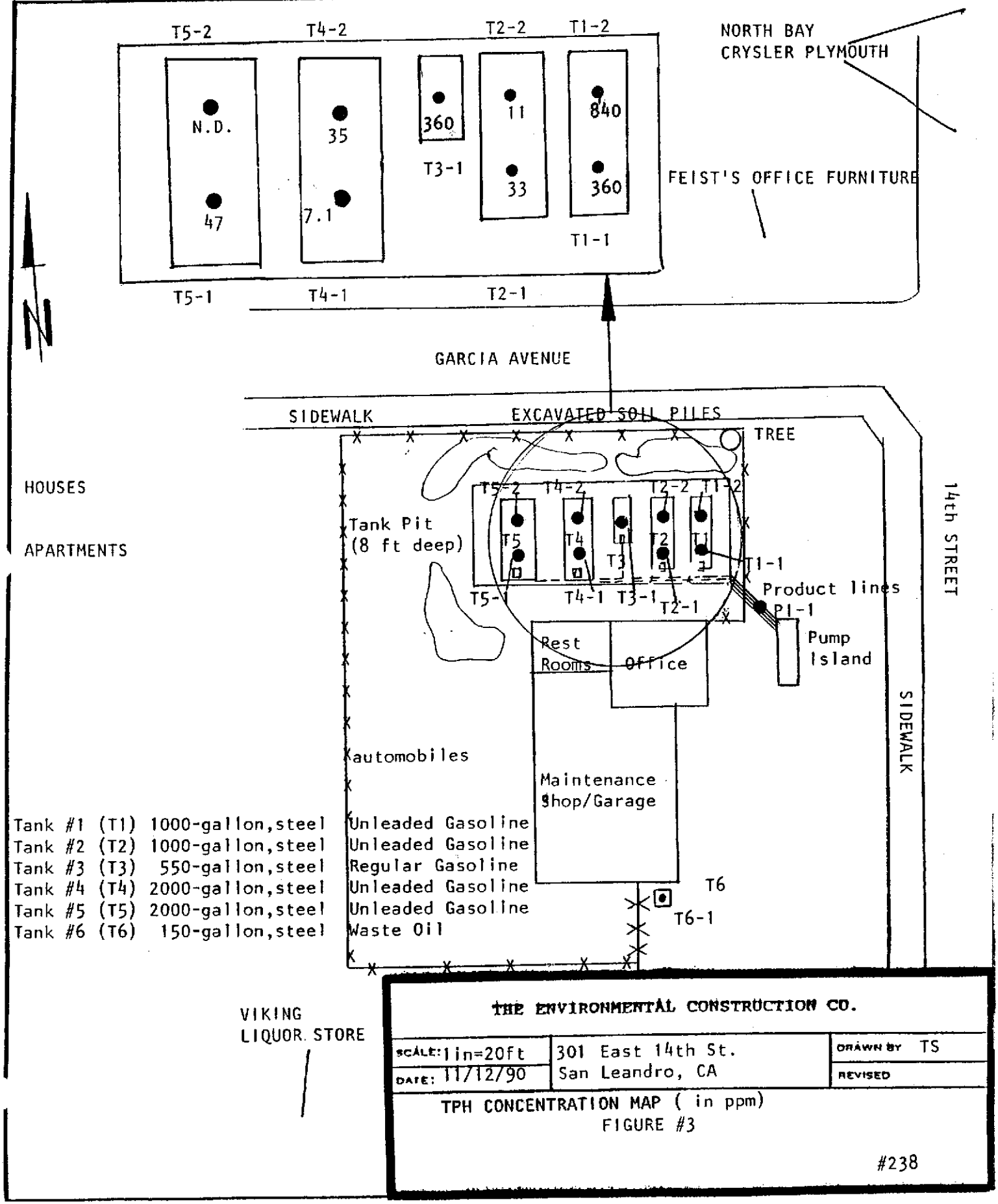
Sample Number	TPHg in ppm	TPHd in ppm	BTEX in ppb	Oil & Grease in ppm	Purgeable Halocarbons
T1-1	840	N.A.	25,710	N.A.	N.A.
T1-2	360	N.A.	13,800	N.A.	N.A.
[redacted]	33	N.A.	2,260	N.A.	N.A.
[redacted]	11	N.A.	475	N.A.	N.A.
T3-1	360	N.A.	6,280	N.A.	N.A.
[redacted]	7.1	N.A.	339	N.A.	N.A.
[redacted]	35	N.A.	1,381	N.A.	N.A.
T5-1	47	N.A.	640	N.A.	N.A.
T5-2	N.D.	N.A.	N.D.	N.A.	N.A.
[redacted]	N.D.	N.D.	N.D.	N.D.	N.D.
PI-1	N.D.	N.A	N.D.	N.A.	N.A.
CGS-1	36	N.A.	1,810	N.A	N.A.
CGS-2	75	N.A.	579	N.A.	N.A.
CGS-3	N.D.	N.D.	71.1	970	N.D.
DETECTION LIMIT	2.5 ppm	5 ppm	5 ppb	5 ppm	5 ppb
METHOD OF ANALYSIS	5030 8015	3550 8015	8020	503 D & E	8010

MDL=Method Detection Limit

ND=Not Detected
NA=Not Analyzed

FIGURE 3

TPH(g) CONCENTRATION MAP



Tank #1 (T1) 1000-gallon,steel Unleaded Gasoline
Tank #2 (T2) 1000-gallon,steel Unleaded Gasoline
Tank #3 (T3) 550-gallon,steel Regular Gasoline
Tank #4 (T4) 2000-gallon,steel Unleaded Gasoline
Tank #5 (T5) 2000-gallon,steel Unleaded Gasoline
Tank #6 (T6) 150-gallon,steel Waste Oil

THE ENVIRONMENTAL CONSTRUCTION CO.

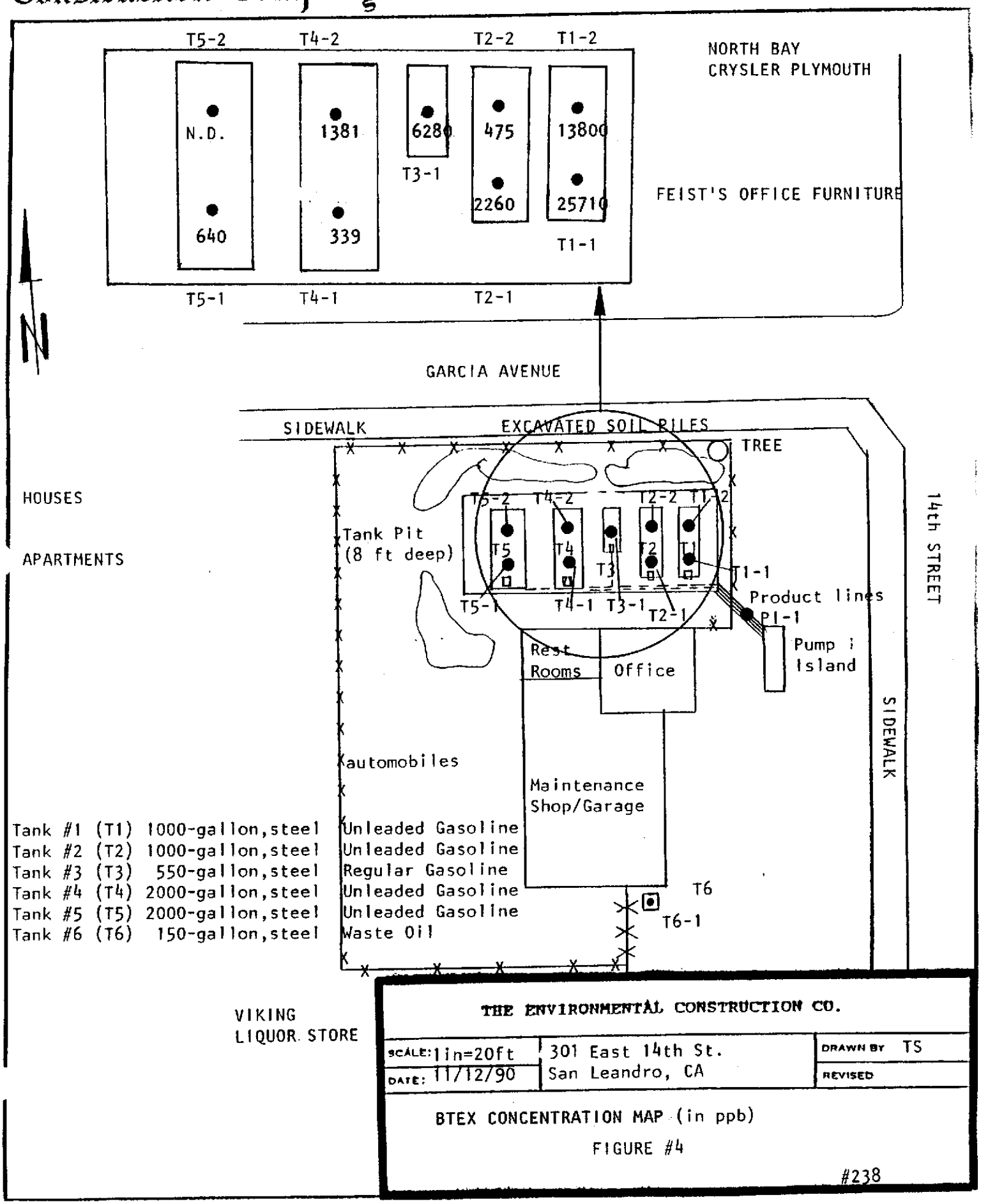
SCALE: 1in=20ft	301 East 14th St.	DRAWN BY TS
DATE: 11/12/90	San Leandro, CA	REVISED

TPH CONCENTRATION MAP (in ppm)
FIGURE #3

#238

FIGURE 4

BTEX CONCENTRATION MAP



Tank #1 (T1) 1000-gallon,steel Unleaded Gasoline
Tank #2 (T2) 1000-gallon,steel Unleaded Gasoline
Tank #3 (T3) 550-gallon,steel Regular Gasoline
Tank #4 (T4) 2000-gallon,steel Unleaded Gasoline
Tank #5 (T5) 2000-gallon,steel Unleaded Gasoline
Tank #6 (T6) 150-gallon,steel Waste Oil

THE ENVIRONMENTAL CONSTRUCTION CO.

SCALE: 1in=20ft	301 East 14th St.	DRAWN BY TS
DATE: 11/12/90	San Leandro, CA	REVISED

BTEX CONCENTRATION MAP (in ppb)

FIGURE #4

#238

CONCLUSIONS

1. Total concentrations of TPHg ranging from N.D. (not detected above test method detection levels) to 840 parts per million (ppm).

2. BTEX concentrations ranged from N.D. to 25,710 parts per billion (ppb).

3. Analytical results of the waste oil tank (T6-1) and its excavated soils (CGS-3) indicated no concentrations of Purgeable Halogenated Compounds above detection limits of 5 ppb.

4. UST's #1, #2, and #3 were observed to have holes in them and showed obvious signs of serious corrosion. They appear to have leaked sometime prior to removal.

5. Moderately high to high TPHg and BTEX concentrations exist in the soils immediately underneath the former location of UST's #1, #2, #3, #4, and #5.

6. Separate-phase hydrocarbons were observed as strong odors and staining underneath these areas.

7. The water table underneath the site may have been impacted.

RECOMMENDATIONS

1. Properly dispose of the approximately 15 cubic yards of BTEX/Oil & Grease-contaminated soil excavated during the tank removals.

2. Install 4 temporary borings to a depth of approximately 30 feet or groundwater level, whichever occurs first.

3. Sample soil in the water saturated zone and analyze for TPHg (as gasoline)/BTEX.

4. Sample the groundwater to determine if it has been impacted and analyze for TPHg (as gasoline)/BTEX.

5. Sample the soils and groundwater.

6. Prepare a report of investigation and recommendations for remedial action.

THE ENVIRONMENTAL CONSTRUCTION COMPANY recommends that copies of this report be sent to the San Leandro Fire Department and Alameda County Department of Environmental Health as soon as possible. TECC recommends that all necessary regulatory agencies be kept well-informed of all proposed future work, as a matter of professional courtesy and environmental tactfulness.

LIMITATIONS

The conclusions and professional guidelines presented herein were developed in accordance with generally accepted practice for addressing fuel leaks for underground storage tanks as outlined in the guidelines from the California Water Quality Control Board. Because the analytical results are based on data collected at the sampling locations only TECC cannot have complete knowledge of the underlying conditions . Conditions at the project site may change with time due to the works of man and/or acts of nature. Accordingly, the findings of this report may be subject to revision in light of new information. If you have any questions, please feel free to contact us at (408) 997-1505. THE ENVIRONMENTAL CONSTRUCTION COMPANY was pleased to be of service to you on this project.

Sincerely,

Thomas A. Smith
Hydrogeologist/ S.A-R.A. Coordinator

THE ENVIRONMENTAL CONSTRUCTION COMPANY

File copy

CITY OF SAN LEANDRO
FIRE DEPARTMENT
835 East 14th Street
San Leandro, CA 94577
(415) 577-3319

#238

UNDERGROUND TANK CLOSURE PLAN FORM

Date 9/13/90

Fire Permit No. _____

Fee Paid _____

1. Facility Name GERMAN AUTO CRAFT
   Address 301 E. 14th ST. SAN LEANDRO
   Phone (415) 638-5473
   Contact MR. LEE

2. Property Owner MR. SEUNG LEE
   Address 301 E. 14th STREET, SAN LEANDRO
   Phone (415) 638-5473

3. EPA I.D. No. CAC000519160

4. Consultant N/A
   Address _____
   Phone _____
   Professional Registration _____

5. PRIMARY CONTACT/PROJECT MANAGER MR. ROBERT J. WHITMAN

6. Contractor(s) Name THE ENVIRONMENTAL CONSTRUCTION COMPANY
   Address 259 KINNEY DRIVE, SAN JOSE,
   Phone (408) 997-1505
   Contact MR. ROBERT J. WHITMAN
   Contractor's License Type & No. C61/D40 / #578789
   City Business License No. #8458 Expiration Date 12/31/90
   Workmen's Compensation No. WCN-12706-B Expiration Date 11/14/90

(NOTE: Copy of Certificates must be enclosed if not on file with the Fire Department.)

7. Empty underground tanks and pipes (unless properly cleaned, see below) are a hazardous waste in California and must be hauled to a certified waste site on certified trucks using a hazardous waste manifest. Appropriate measures must be taken to keep LEL below 10% during and after excavation. Tanks must be removed from the site the same day they are substantially exposed. After removal from the ground and while on-site, tanks must be monitored once per hour for LEL and oxygen levels. Rinsate from underground tanks is also considered to be hazardous waste.

In order to be removed from the site as a non-hazardous waste, the tanks must be cleaned and:

1. Rinsate handled as a hazardous waste.
2. Tank cut open with written approval from the Fire Marshal. Permission to cut on site will be granted only under extraordinary circumstances.
3. The tank must be cut in half.
4. A wipe test analyzed for the former contents of the tank, per RWQCB guidelines, must be made.
5. The interior surface of the tank must have a visual inspection by the Fire Department.

	EPA#	Name	Address	Phone #
Tank Hauler (current certification on trailer required)	CAD0004771168	H&H SHIP SERVICE	220 CHINA BASIN S.F.	(415) 543-4835

Site to Which Tanks Taken H&H SHIP SERVICE, SAN FRANCISCO,CA. 94109

Product/Rinsate Hauler H&H SHIP SERVICE

Site to Which Rinsate Taken H&H SHIP SERVICE

Site to Which Soil Taken LOKERN, OR BUTTONWILLOW,CA.

8. A State Certified Laboratory must analyze all samples.

Laboratory Name CHROMALAB

Address 2239 OMEGA ROAD #1, SAN RAMON, CA. 94583

Phone (415) 831-1788

State Certification No. #238

9. Date tanks to be removed 9/18/90 TUE. a 10:00 am

10. Complete attached chart. Attach additional pages as needed if chart is not large enough.

10. **TANKS TO BE REMOVED:**

	Size/Capacity	Former Contents of Tank	Construction Material	Age	Material to be Sampled (Sludge, soil, etc.)	Sample Analysis / Preparation Method Numbers*
Tank #1	1-2000 gal.	GASOLINE UNLEADED	STEEL	N/A	SOIL	TPH GAS BTEX / 8015/8020
Tank #2	1-2000 gal.	" "	STEEL	N/A	SOIL	" "
Tank #3	1-1000 gal.	GASOLINE UNLEADED	STEEL	N/A	SOIL	" "
Tank #4	1-1000 gal.	" "	STEEL	N/A	SOIL	" "
Tank #5	1-550 gal.	REG LEAD	STEEL	N/A	SOIL	TOTAL LEAD TPH GAS BTEX/8015/8020+8240-LEAD
Tank #6	1-150 gal.	WASTE OIL	STEEL	N/A	SOIL	TPH DIESEL BTEX /TPH GAS 8240/8020

PIPES TO BE REMOVED:

	Use (i.e. vapor product)	Former Contents	Construction Material	Age	Material to be Sampled (Sludge, soil, etc.)	Sample Ananysis / Preparation Method Numbers*
Pipe #1						
Pipe #2						
Pipe #3						

** NOTE: Regional Water Quality Control Board Guidelines for sampling and analysis must be followed.*

11. Please attach a drawing showing the location of all tanks and associated underground pipes at the facility indicating ones to be removed/closed, ones to remain, closest streets, North direction, scale and buildings on the site. Include distances to landmarks such as buildings which will allow for exact location of tanks on the site.

12. Why are tanks being removed:

[ ] Facility is moving

[ ] Avoid monitoring requirements

[ ] Suspect tank/line leak*

[X] No longer in use

[ ] Other _____

* If leak is suspected, please attach clarification.

13. Explain how samples will be drawn (i.e., by backhoe or by extension poles, etc.). Attach explanation. (Note: A site safety plan must be prepared, kept on site and followed in accordance with OSHA requirements.)

BACKHOE WILL BE USED.

The samples will be taken 2 feet below the base of the tank excavation by inserting a clean, 6-inch, 2-inch diameter brass tube into the native soils retrieved by the backhoe. The samples will then be sealed with aluminum foil, capped with plastic caps, taped, labeled and stored under dry ice in a thermally-insulated cooler and transported, under chain of custody to a state-certified analytical laboratory, Chromalab of San Ramon, California (State Certification # 238).

* SEE ATTACHED"SITE & SAFTY PLAN"*

14. Piping associated with underground tanks must be closed in a manner which will demonstrate whether or not the pipes have leaked. Unless piping is under a building it must be removed and samples taken every 20 feet (additional samples may be required if evidence of contamination is noted). If pipes are located under a building it may be possible to use an inert gas pressure test to confirm the pipes' integrity if no information exists which indicates a leak may have occurred. The acceptability of this option will be determined on a case-by-case basis. A failed pressure test will necessitate further action.

How will pipelines, including fill, vent, vapor recovery, and delivery lines, be handled in accordance with the above requirements:

All piping will be shipped w/ tanks to HWH for Disp.

15. Describe how the tank will be inerted. The methods used must lower both the flammable vapors and the oxygen content. A riser at least 5 feet high must be placed on all openings during inertings to help keep vapors from accumulating in the excavation.

TANKS WILL BE INERTED WITH 1.5 LBS. DRY ICE PER 100 GAL. CAPACITY.

16. An explosion-proof combustible gas meter must be used to verify tank inertness. LEL and oxygen must both be below 10% prior to removal. Equipment to calibrate instruments must be on site. Give make and model number of instrument to be used.

A GASTECH METER - MODEL #1314 WILL BE ON SITE AT ALL TIMES.

17. If the tanks are to be filled in place, please also fill out and submit the form entitled "Underground Tank Closure Plan Form Supplement - In-Place Closures." Attachment 3 Tanks are allowed to be closed in place only if they are directly adjacent to a building and removal of the tanks will impair the structural integrity of the building.

N/A

Immediate notification of the San Leandro Fire Department is required if any contamination is found during this tank closure.

The preceding information is true and correct. If there is any change which would materially affect any answer above, I will inform the City.

I declare that a post closure report will be filed within thirty (30) days of tank closure in accordance with the attached signed instructions.)

(* Note: Each page has been initialled.)

I declare under penalty of perjury that the foregoing information is true and correct.

Execute this 13 day of Sept., 1990 at

THE ENVIRONMENTAL CONSTRUCTION COMPANY - (TECC)
Name of Business

259 KINNEY DRIVE, SAN JOSE, CA. 95112
Address

MR. ROBERT J. WHITMAN - PRESIDENT/OWNER
Printed Name and Title of Applicant

Signature of Applicant

Completed forms should be submitted to:

San Leandro Fire Department
835 East 14th Street
San Leandro, CA 94577

Denied

Approved without modifications

Approved with attached modifications/conditions

Written Confirmation from the Alameda County Water District has been received by the Fire Department regarding the fact the ACWD has determined its requirements pertaining to the tank closure.

Signature of Reviewer

Date

APPENDIX B

HAZARDOUS WASTE MANIFESTS

and

CERTIFICATES OF DISPOSAL

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

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A C 0 0 0 5 1 9 1 6 0 | Manifest Document No.: 0 0 0 0 1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SEUNG LEE
301 East 14th Street, San Leandro, CA. 94577
4. Generator's Phone (415) 638-5473

A. State Manifest Document Number: 90389074

B. State Generator's ID:

5. Transporter 1 Company Name: H & H Ship Service Company
6. US EPA ID Number: C A D 0 0 4 7 7 1 1 6 8
C. State Transporter's ID: 103594
D. Transporter's Phone: (415) 543-4835

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
H & H Ship Service Company
220 China Basin Street
San Francisco, CA 94107
10. US EPA ID Number: C A D 0 0 4 7 7 1 1 6 8
G. State Facility's ID: C A D 0 0 4 7 7 1 1 6 8
H. Facility's Phone: (415) 543-4835

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID	0 0 2	T P	0 2 0 0 0	P	State 512 / EPA/Other
b. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID	0 0 2	T P	0 1 0 0 0	P	State 512 / EPA/Other
c. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID	0 0 1	T P	0 0 5 5 0	P	State 512 / EPA/Other
d. RESIDUE WASTE OIL TANK NON-RCRA HAZARDOUS WASTE SOLID	0 0 1	T P	0 0 1 5 0	P	State 512 / EPA/Other

J. Additional Descriptions for Materials Listed Above
PUMPED OUT 2,000, 1,000, 550 and 150 gallon tanks last containing gasoline ans waste oil.; Tanks inerted with dry ice for transport.

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

15. Special Handling Instructions and Additional Information
JOB #6092
JOB SITE: GERMAN AUTOCRAFT
301 East 14th Street
San Leandro, California
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR

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: SEUNG LEE | Signature | Month Day Year: 0 9 2 8 9 0

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARTIN J. COSTELLO | Signature | Month Day Year: 0 9 2 8 9 0

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

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year: 092890

Do Not Write Below This Line

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

GENERATOR

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

90389074

ENVIRONMENTAL SERVICES
(DIVISION OF H&H SHIP SERVICE CO., INC.)

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835

CERTIFICATE OF DISPOSAL

OCTOBER 03, 1990

H & H Ship Service Company hereby certifies to *ENVIRONMENTAL CONSTRUCTION*

1. The storage tank(s), size(s) *2-2,000 GALS., 2-1,000 GALS., 1-550 GALS. AND 1-150 GALS.*

   removed from the *GERMAN AUTOCRAFT*
   301 EAST 14TH STREET
   SAN LEANDRO, CALIFORNIA

   were transported to H & H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

2. The following tank(s), H & H Job Number *6092*

   have been steamed cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: *SCHNITZER STEEL, OAKLAND, CALIFORNIA.*

4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please call (415) 543-4835.

Very Truly Yours,

Cleveland Valrey
Operations Coordinator

APPENDIX C

ANALYTICAL RESULTS

and

CHAIN OF CUSTODY

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 8, 1990 ChromaLab File No.: 0990171

THE ENVIRONMENTAL CONSTRUCTION COMPANY

Attn: Thomas Smith

RE: Thirteen soil samples for Gasoline/BTEX, Diesel, and Oil & Grease analyses

Project Name: GERMAN AUTO CRAFT
Project Number: 238
Date Sampled: Oct. 1, 1990 Date Submitted: Oct. 1, 1990
Date Extracted: Oct. 2-8, 1990 Date Analyzed: Oct. 2-8, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)	Oil & Grease (mg/Kg)
T-1-1	840	----	510	5400	6800	13000	----
T-1-2	360	----	2600	2900	3200	5100	----
T-2-1	33	----	350	430	550	930	----
T-2-2	11	----	57	38	120	260	----
T-3-1	360	----	410	270	1700	3900	----
T-4-1	7.1	----	18	11	100	210	----
T-4-2	35	----	47	14	470	850	----
T-5-1	47	----	13	17	150	460	----
T-5-2	N.D.	----	N.D.	N.D.	N.D.	N.D.	----
T-6-1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
CGS-1	36	----	N.D.	100	1400	310	----
CGS-2	75	----	N.D.	59	130	390	----
CGS-3	N.D.	N.D.	9.8	10	43	8.3	970
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED RECOVERY	91.7%	97.8%	98.6%	99.1%	103.5%	105.6%	----
DUP SPIKED RECOVERY	91.1%	106.2%	89.3%	89.7%	90.0%	107.6%	----
DETECTION LIMIT	2.5	5	5	5	5	5	10
METHOD OF ANALYSIS	5030/ 8015	3550/ 8015	8020	8020	8020	8020	503 D&E

CHROMALAB, INC.

David Duong
Senior Chemist

Eric Tam (by DD)
Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
415/831-1788 • Facsimile 415/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

October 8, 1990 ChromaLab File # 0990171 J

Client: The Env. Construction Co. Attn: Thomas Simth
Date Sampled: Oct. 01, 1990 Date Submitted: Oct. 01, 1990
Date of Analysis: Oct. 08, 1990

Project Name: German Auto Craft Project No.: 238
Sample I.D.: T-6-1
Method of Analysis: EPA 8010 Detection Limit: 5 ug/Kg

COMPOUND NAME	ug/Kg	Spike Recovery
CHLOROMETHANE	N.D	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	102.3% 98.6%
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	95.5% 96.7%
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	102.3% 96.2%
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	98.2% 101.2%

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Lab Director

2239 Omega Road, #1 • San Ramon, California 94583
415/831-1788 • Facsimile 415/831-8798

TURN AROUND TIME

THE ENVIRONMENTAL CONSTRUCTION COMPANY (TECC)
255 KINNEY DRIVE
SAN JOSE, CA. 95112-4835

CHAIN-OF-CUSTODY REC

CHROMALAB FILE # 990171

Project Manager: Fred
Phone #: (408) 997-1505

ANALYSIS REQUEST

SPECIAL HANDLING

Address: (Site) 301 E 14th St.
FAX #: (408) 292-1430 -TECC-

Project Number: 238
Project Name: German Auto Craft

Project Location: (City) San Leandro
Sampler Signature:

Sample ID	Lab # (Lab use only)	# CONTAINERS	Volume/Amount	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO3	ICE	HOME	OTHER	Sampling: DATE	TIME	BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel (8015 or 8270)	TPH as Jetfuel (8015 or 8270)	Total Oil & Grease (413.1) 502 D&E	Total Oil & Grease (413.2)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 PCBs Only	EPA 624/8240	EPA 625/8270	CAM - 17 Metals	EPTOX - 8 Metals	EPA - Priority Pollutant Metals	LEAD(7420/7421/239.2)	ORGANIC LEAD	5 Day TAT	PRIORITY ONE SERVICE (24 hr)	EXPEDITED SERVICE (2-4 days)	VERBAL/FAX	SPECIAL DETECTION LIMITS (SPECIFY)	SPECIAL REPORTING REQUIREMENTS
T-1-1																	X																					
T-1-2																	X																					
T-2-1																	X																					
T-2-2																	X																					
T-3-1																	X																					
T-4-1																	X																					
T-4-2																	X																					
T-5-1																	X																					
T-5-2																	X																					
T-6-1																	X	X		X		X																
CGS1																	X																					
CGS2																	X																					
CGS3																	X	X		X		X																

Relinquished by:	Date	Time	Received by:	Date	Time
	10-1-90	11:55	T Donovan	10-1-90	11:55
Relinquished by	Date	Time	Received by:		
			D Lang		
Relinquished by	Date	Time	Received by Laboratory:	10-1-90	
			T. Donovan	00	

Remarks:
per Fred 10/1/90 BT

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

November 12, 1990 ChromaLab File No.: 1190018

THE ENVIRONMENTAL CONSTRUCTION COMPANY

Attn: Lisa Lang / Thomas Smith

RE: One soil sample for Gasoline/BTEX analysis

Project Name: GERMAN AUTOCRAFT
Project Number: 238
Date Sampled: Nov. 2, 1990 Date Submitted: Nov. 5, 1990
Date Extracted: Nov. 8-12, 1990 Date Analyzed: Nov. 8-12, 1990

RESULTS:

Sample No.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
PI-1(3')	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	93.8%	105.5%	98.6%	91.0%	93.0%
DETECTION LIMIT	2.5	5	5	5	5
METHOD OF ANALYSIS	5030/ 8015	8020	8020	8020	8020

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam (by DD)
Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
415/831-1788 • Facsimile 415/831-8798
Federal ID #68-0140157

THE ENVIRONMENTAL CONSTRUCTION COMPANY (TECC)
1108 KINNEY DRIVE
SAN JOSE, CA. 95112-4433

CHAIN-OF-CUSTODY RECORD

CHROMALAB FILE # 1190018

Project Manager: Fred Smith
Phone #: (408) 997-1505

Address: (Site) German Auto Craft.
FAX #: / (408) 292-1430 -TECC-

Project Number: # 338
Project Name: German Auto Craft

Project Location: (City) San Leandro
Sampler Signature: Thomas Smith

ANALYSIS REQUEST | OTHER | SPECIAL HANDLING

Sample ID	Lab # (Lab use only)	# CONTAINERS	Volume/Amount	Matrix: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCl	HNO3	ICE	NONE	OTHER	Sampling: DATE	TIME	BTEX (602/8020)	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel (8015 or 8270)	TPH as Jet Fuel (8015 or 8270)	Total Oil & Grease (413.1)	Total Oil & Grease (413.2)	Total Petroleum Hydrocarbons (418.1)	EPA 601/8010	EPA 602/8020	EPA 608/8080	EPA 608/8080 PCBs Only	EPA 624/8240	EPA 625/8270	CAM - 17 Metals	LUFTEX - 6 Metals	EPA Priority Pollutant Metals	LEAD (7420/7421/239.2)	ORGANIC LEAD	Salary TAT	Priority One Service (24 hr)	Expedited Service (2 Days)	Verbal/Fax	Special Detection Limits (Specify)	Special Reporting Requirements
PI-1 (3')		1	6"		X						X			11/2/90	1200		X																						

Relinquished by:	Date	Time	Received by:
Lisa Lang	11-5-90	1:55	Tom Jamison
Relinquished by	Date	Time	Received by:
Relinquished by	Date	Time	Received by Laboratory:
	11-5-90	4:45	Tom Jamison

1. Have all samples received for analysis been stored in ice? Y
2. Will samples remain refrigerated until analyzed? Y
3. Did any samples received for analysis have head space? N
   If so, give estimate of amount.
4. Were samples in appropriate containers and properly packaged? Y

Tom Jamison — Signature
Lab asst. — Title
11-5-90 — Date