

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 5137 - 1259 48th Ave, Oakland, CA 94601
(1-1,000 gallon gasoline tank removed in July 6, 1987)

February 10, 1997

H & L Chau, H Khoan
1259 48th Ave
Oakland, CA 94601

Frank Elam
3790 S. Paradise Road
Las Vegas, NV 89109

Dear Messrs. Chau, Khoan, and Elam:

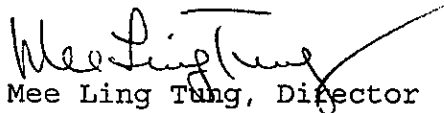
This letter confirms the completion of site investigation and remedial action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Section 2721(e) of the California Code of Regulations.

Please contact our office if you have any questions regarding this matter.

Sincerely,


Mee Ling Tung, Director

enclosure

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Lori Casias, SWRCB (with attachment)
Cheryl Gordon, UST Cleanup Fund
files-dk (chau.1)

01-0605

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: November 26, 1996

Agency name: **Alameda County-HazMat**
City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **D. Klettke**

Address: **1131 Harbor Bay Pkwy**
Phone: **(510) 567-6700**
Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Chau's Auto Port**
Site facility address: **1259 48th Avenue, Oakland, CA 94601**
RB LUSTIS Case No.: **N/A** Local Case No./LOP Case No.: **5131**
URF filing date: **N/A** SWEEPS No.: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
H & L Chau & H Khoan,	1259 48th Avenue, Oakland, CA 94601	(510)533-4500
Frank Elam	3790 S. Paradise Road, Las Vegas, NV 89109	(702)796-8888

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1000	gasoline	removed	7/06/87

97 JAN 14 PM 3:49
ENVIRONMENTAL PROTECTION

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **undetermined**
Site characterization complete? **Yes**
Date approved by oversight agency: **8/19/96**
Monitoring Wells installed? **No** Number: **N/A**
Proper screened interval? **N/A**
Highest GW depth below ground surface: **undetermined**
Lowest depth: **undetermined**
Flow direction: **assumed southwesterly as per regional groundwater flow direction**
Most sensitive current use: **commercial/industrial**
Are drinking water wells affected? **undetermined** Aquifer name: **N/A**
Is surface water affected? **No** Nearest affected SW name: **N/A**
Off-site beneficial use impacts (addresses/locations): **N/A**
Report(s) on file? **YES** Where is report(s) filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank	1000-gallons	disposal/Levins Metals Richmond, CA	07/06/87
Piping			
Free Product			
Soil	unknown, most likely used to backfill UST pit		
Groundwater	unknown		

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before ¹	After	Before ²	After ³
TPH (Gas)	<1	<1	46,000	
TPH (Diesel)	NA	NA	NA	
Benzene	<0.08	<0.005	<0.2	
Toluene	<0.08	<0.005	100	
Ethylbenzene	NA	<0.005	NA	
Xylenes	<0.08	<0.005	1100	
Heavy metals	NA	NA	NA	
Other-MTBE		<0.05		

NA=Not analyzed

Comments (Depth of Remediation, etc.):

On July 6, 1987, one 1000-gallon gasoline underground storage tank (UST) was removed and transported by H & H Ship Service for disposal at Levins Metals in Richmond, CA.

Since groundwater was encountered in the excavation during UST removal, two soil samples were collected from the sidewalls of the excavation at each end of the UST. Laboratory analysis of the two soil samples, collected at a depth of approximately eight (8) feet below ground surface (bgs), revealed non-detectable concentrations of total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene and total xylenes.

The "grab" groundwater sample collected from water which had accumulated in the UST excavation, revealed 46 mg/L-TPHg, 0.10 mg/L-toluene, 1.1 mg/L-total xylenes and non-detectable concentrations of benzene.

¹"Before" samples were collected from the sidewalls of the UST excavation, at an approximate depth of eight (8) feet bgs.

²"Before" sample was collected from groundwater which had accumulated in the UST excavation during initial UST removal.

³"After" groundwater samples were not collected, since groundwater was not encountered in soil borings BH-1, BH-2 and BH-3.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **Undetermined**

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **Undetermined**

Does corrective action protect public health for current land use? **Yes**

Site management requirements: **None**

Should corrective action be reviewed if land use changes? **Yes**

Monitoring wells Decommissioned: **N/A**

Number Decommissioned: **N/A** Number Retained: **N/A**

List enforcement actions taken: **NOV letter sent 2/1/96**

List enforcement actions rescinded: **in compliance 8/19/96**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Dale Klettke** Title: **Hazardous Materials Specialist**

Signature:  Date: **12/12/96**

Reviewed by

Name: **Barney Chan** Title: **Hazardous Materials Specialist**

Signature:  Date: **11/26/96**

Name: **Thomas Peacock** Title: **Supervising HazMat Specialist**

Signature:  Date: **12-5-96**

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response: **Approved**

RWQCB Staff Name: **Kevin Graves** Title: **AWRCE**

Signature:  Date: **1/13/97**

VII. ADDITIONAL COMMENTS, DATA, ETC.

On August 30, 1996, All Environmental, Inc. (AEI) performed a subsurface investigation which included the advancement of three soil borings (BH-1, BH-2 and BH-3) using a Geoprobe drilling rig.

Borings BH-1, BH-2 and BH-3 were advanced three (3) feet east, south and west of the former UST excavation, respectively. Boring BH-1 was advanced to 20 feet bgs, and borings BH-2 and BH-3 were advanced to 15 feet bgs. Soil samples were collected at depths of 3, 5, 10 and 15 feet bgs, and an additional sample was collected from boring BH-1 at a depth of 20 feet bgs.

Laboratory results of the six (6) soil samples (two from each boring) revealed non-detectable concentrations of TPHg, BTEX, and methyl-tert-butyl ether (MTBE). Total lead was detected at apparent geogenic concentrations ranging from 7.4 to 11 mg/kg (ppm).

This subsurface investigation was to include collecting "grab" groundwater samples from each of these three borings. However, since groundwater was not encountered in the borings, no water samples were collected.

Case closure is warranted for this site as a "Low-Risk Groundwater Case" for the following reasons.

- a) The source has been sufficiently removed or has been remediated.

Laboratory analysis of verification soil samples collected from the sidewalls of the former gasoline and waste oil UST excavations indicated non-detectable concentrations of TPHg and BTX. In addition, laboratory analysis of soil samples collected during the subsurface investigation revealed non-detectable concentrations of TPHg, BTEX and MTBE.

- b) The site has been adequately characterized.

Laboratory analysis of soil and groundwater samples collected during site investigations document that the previous release is small in extent and appears to be limited to soils which had come in contact with groundwater during the initial UST removal.

- c) The dissolved hydrocarbon plume appears to be stable and is not migrating.

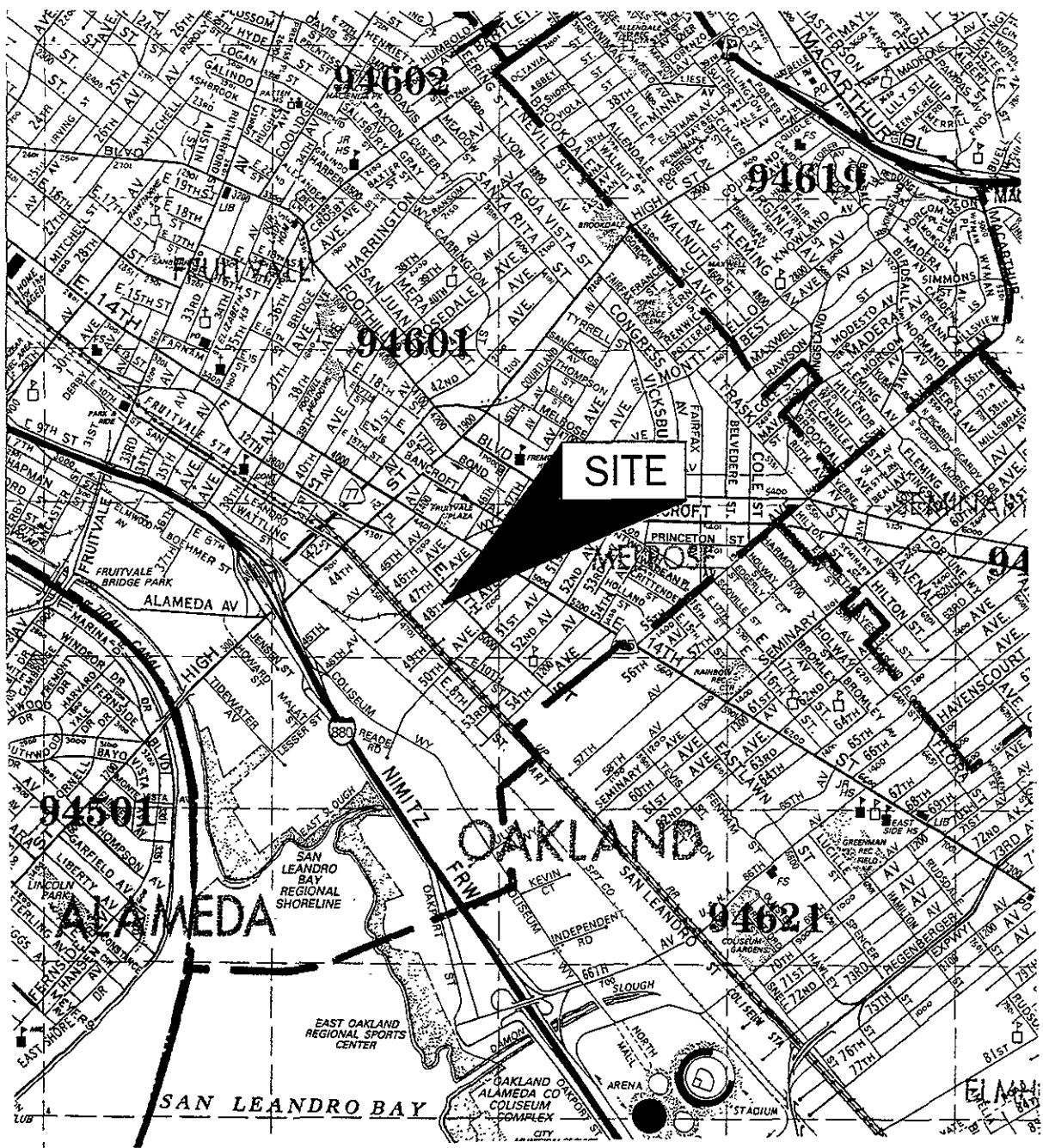
Petroleum hydrocarbons were only detected in the "grab" groundwater sample collected during initial UST removal. No hydrocarbon plume was defined during the subsurface investigation, since no "grab" groundwater samples were collected from soil borings BH-1, BH-2 and BH-3.

- d) No water wells, deeper drinking water wells, surface water or other sensitive receptors are likely to be impacted.

The petroleum hydrocarbon groundwater-contamination was detected in the initial "grab" groundwater sample collected at the time of initial UST removal (July 1987). This "grab" groundwater sample was collected from water which had entered the UST excavation to a depth of approximately 8-9' bgs. During the August 1996 subsurface investigation, hydropunch borings (BH-1 through BH-3) did not encounter groundwater to a depth of 15' bgs. In addition, benzene was not detected in the initial groundwater sample collected at the time of initial UST removal.

- e) The site presents no significant risk to human health or the environment.

Laboratory analysis of soil and groundwater samples, collected during initial UST removal and the August 1996 subsurface investigation, revealed non-detectable concentrations of benzene. In addition, the concentrations of toluene (100 ug/L) and total xylenes (1100 ug/L) detected in the initial "grab" groundwater sample, are at or below the California primary drinking water standards (maximum contaminant levels-MCLs).



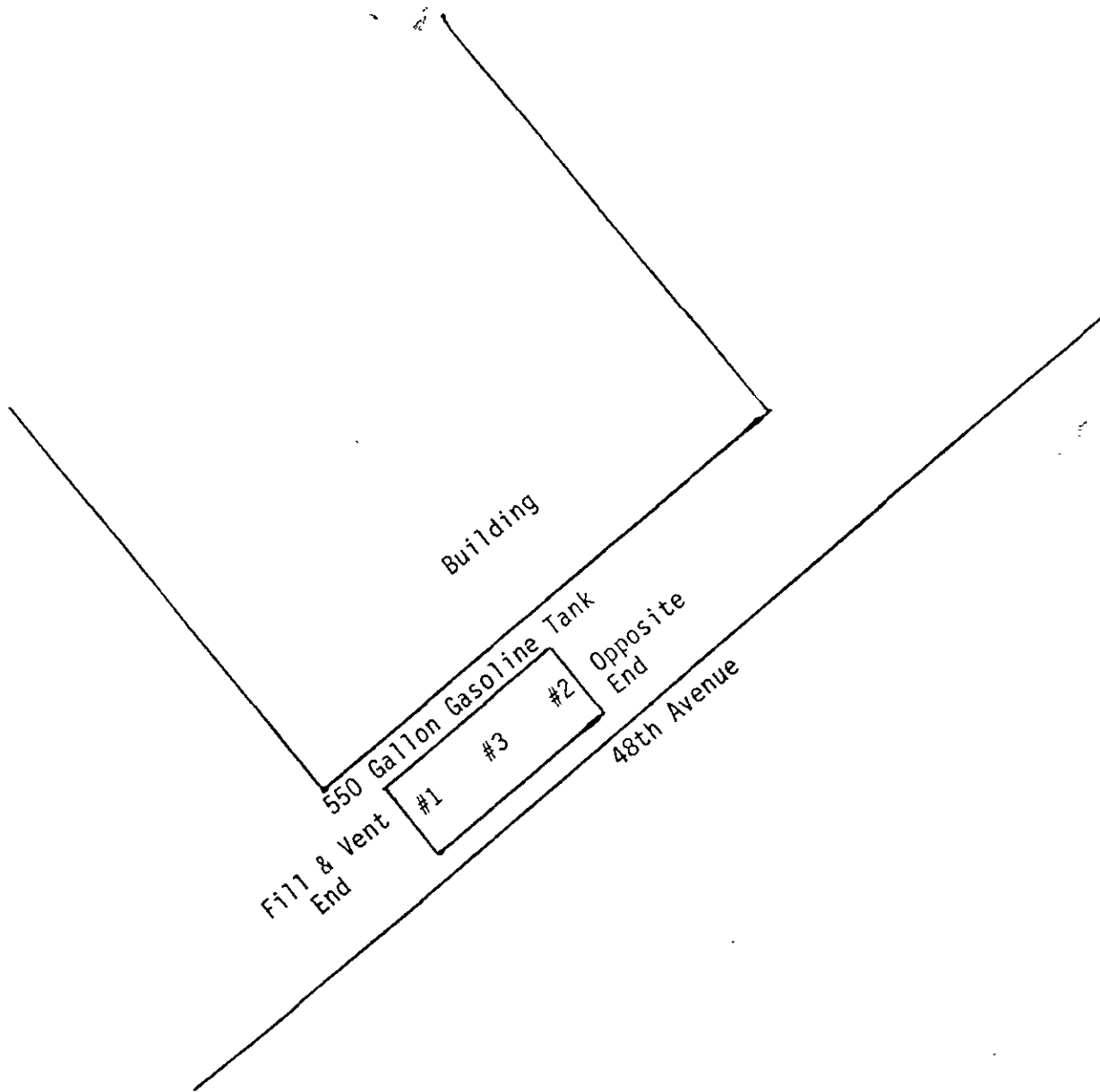
FROM:
THOMAS BROS. MAPS
1995

ALL ENVIRONMENTAL, INC.		
3364 MT. DIABLO BOULEVARD, LAFAYETTE		
SCALE: 1IN = 1/4 MI	APPROVED BY:	DRAWN BY:
DATE: 30 AUGUST 96		REVISED:
SITE LOCATION MAP		
1259 48th AVENUE OAKLAND, CALIFORNIA		DRAWING NUMBER: FIGURE 1



1259 - 48th Avenue
Oakland, California

ORIGINAL
UST
REMOVAL
7/6/87



DATE: 7/9/87
 LOG NO.: 4948
 DATE SAMPLED: 7/6/87
 DATE RECEIVED: 7/6/87
 PAGE: Two

 Sample Type: Soil

No. 2, Opposite End-Wall
 550 Gallon Gasoline Tank

<u>Method and Constituent</u>	<u>Units</u>	<u>Detection Limit</u>	<u>Concentration</u>
Modified EPA Method 8015: Volatile Hydrocarbons	mg/kg	1	< 1
Modified EPA Method 8020: Benzene	mg/kg	0.08	< 0.08
Toluene	mg/kg	0.08	< 0.08
Xylene	mg/kg	0.08	< 0.08

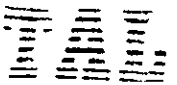
 Sample Type: Water

No. 3, Water From
 Excavation

Modified EPA Method 8015: Volatile Hydrocarbons	mg/l	0.001	46
Modified EPA Method 8020: Benzene	mg/l	0.0002	< 0.0002
Toluene	mg/l	0.0002	0.10
Xylene	mg/l	0.0002	1.1

Ronald H. Ming Chew

 Ronald H. Ming Chew
 Supervisory Chemist



DATE: 7/9/87

LOG NO.: 4948

DATE SAMPLED: 7/6/87

DATE RECEIVED: 7/6/87

CUSTOMER: *Shapiro Company*

PROJECT: 1259 - 48th Avenue, Oakland, CA

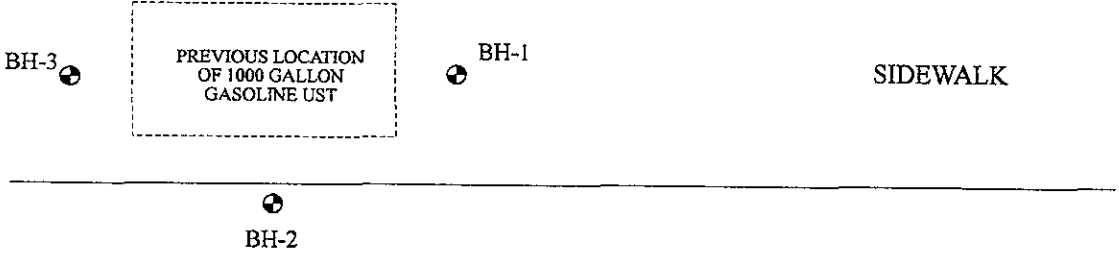
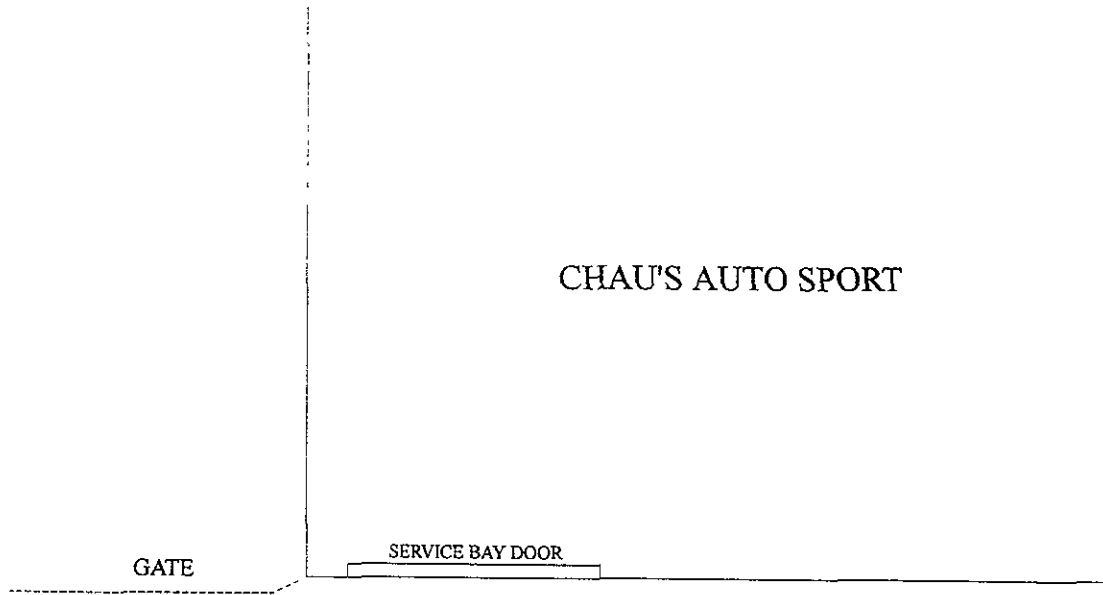
Sample Type: Soil

~~No. 1, Fill and Vent-Wall
550 Gallon Gasoline Tank~~

<u>Method and Constituent</u>	<u>Units</u>	<u>Detection Limit</u>	<u>Concentration</u>
Modified LPA Method 8015: Volatile Hydrocarbons	mg/kg	1	< 1
Modified EPA Method 8020: Benzene	mg/kg	0.08	< 0.08
Toluene	mg/kg	0.08	< 0.08
Xylene	mg/kg	0.08	< 0.08

AUGUST 1996
SUBSURFACE
INVESTIGATION

CHAU'S AUTO SPORT



48th AVENUE

TO EAST 14TH STREET →



KEY
⊙ SOIL BORING LOCATIONS

ALL ENVIRONMENTAL, INC. 3364 MT. DIABLO BOULEVARD, LAFAYETTE		
SCALE: 1 IN = 10 FT	APPROVED BY:	DRAWN BY: J.S. ANDERSON
DATE: 30 AUGUST 96		REVISED: J.S. ANDERSON
SOIL BORING LOCATION MAP		
1259 48TH AVENUE OAKLAND, CALIFORNIA		DRAWING NUMBER: FIGURE 2

Table 1 - Soil Sample Analyses, September 3, 1996

Sample Identification	TPHg mg/kg	Benzene mg/kg	Toluene mg/kg	Ethyl-benzene mg/kg	Xylenes mg/kg	MTBE mg/kg	Total Lead mg/kg
BH-1, S4 (15')	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	8.4
BH-1, S5 (20')	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	10
BH-2, S3 (10')	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	11
BH-2, S4 (15')	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	7.4
BH-3, S3 (10')	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	9.8
BH-3, S4 (15')	<1.0	<0.005	<0.005	<0.005	<0.005	<0.05	9.4

Total Petroleum Hydrocarbons as gasoline = TPHg
 methyl tertiary butyl ether = MTBE
 mg/kg = milligrams per kilogram (ppm)

IV Conclusions/Recommendations/Additional Investigations

No petroleum hydrocarbon contamination was present upon analysis of soil samples collected in the vicinity of the former tank excavation. Minor lead concentrations were present within the soil, however these levels are considered characteristic of the native soil in the area. Groundwater was not encountered during the advancement of the borings. The depth to groundwater is estimated to be between 10 and 15 feet bgs based upon the characteristics of the soil encountered.

Based upon the results of our investigation, AEI believes no further investigation is warranted.

V Report Limitation

This report presents a summary of work completed by All Environmental, Inc. (AEI). The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

PROJECT: WICKERSHAM - 1444	LOG OF BOREHOLE: BH-1	
BORING LOC.: EAST OF FORMER GASOLINE UST	ELEVATION, TOC: --	
DRILLING CONTRACTOR: GREGG DRILLING	START DATE: 8/30/96	END DATE: 8/30/96
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH: 20.0'	
DRILLING EQUIPMENT: GEOPROBE DRILL RIG	DEPTH TO WATER: N/A	
SAMPLING METHOD: 2" DRIVE SAMPLER	LOGGED BY: J.S. ANDERSON	
HAMMER WEIGHT and FALL: N/A	RESPONSIBLE PROFESSIONAL: JPD	

DEPTH (feet)	SOIL SYMBOLS	DESCRIPTION	SAMPLES		COMMENTS
			SAMPLE NO	BLOW COUNTS	
0.0 - 0.6	AB	Concrete.			
0.6 - 8.0		Silty Sand; dark yellowish brown; 10 YR 4/2; moist.			
3.0			S-1		No odor. 0.0 ppm Minimal sample recovery No sample collected
4.0 - 5.0	SM	Same.			
5.0			S-2		No odor. 0.0 ppm
8.0 - 20.0		Silty Clay; moderate yellowish brown; 10 YR 5/4; very stiff, organics.			
10.0	CL		S-3		No odor. 0.0 ppm

PROJECT:

WICKERSHAM - 1444

LOG OF BOREHOLE:

BH-1


DEPTH (feet)	SOIL SYMBOLS	DESCRIPTION	SAMPLES		COMMENTS
			SAMPLE NO.	BLOW COUNTS	
15	CL	8.0 - 20.0; Silty Clay (cont.)	S-4		No odor. 0.0 ppm
19		Same.			
20		Borehole terminated at 20.0 feet.	S-5		No odor. 0.0 ppm
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					

PROJECT: WICKERSHAM - 1444		LOG OF BOREHOLE: BH-2	
BORING LOC.: SOUTH OF FORMER GASOLINE UST		ELEVATION, TOC: --	
DRILLING CONTRACTOR: GREGG DRILLING		START DATE: 8/30/96	END DATE: 8/30/96
DRILLING METHOD: DIRECT PUSH		TOTAL DEPTH: 15.0'	
DRILLING EQUIPMENT: GEOPROBE DRILL RIG		DEPTH TO WATER: N/A	
SAMPLING METHOD: 2" DRIVE SAMPLER		LOGGED BY: J.S. ANDERSON	
HAMMER WEIGHT and FALL: N/A		RESPONSIBLE PROFESSIONAL: JPD	

DEPTH (feet)	SOIL SYMBOLS	DESCRIPTION	SAMPLES			COMMENTS
			SAMPLE NO.	INTERVAL	BLOW COUNTS	
0.0 - 0.6	AB	Concrete.				
0.6 - 15.0	CL	Gravelly, Sandy, Clay; moderate yellowish brown; 10 YR 5/4; stiff, moist.				
3.0 - 3.5			S-1			No odor. 0.0 ppm
4.5 - 5.0		Same.	S-2			No odor. 0.0 ppm
9.5 - 10.0		Same.	S-3			No odor. 0.0 ppm

PROJECT: WICKERSHAM - 1444

LOG OF BOREHOLE: BH-2

DEPTH (feet)	SOIL SYMBOLS	DESCRIPTION	SAMPLES			COMMENTS
			SAMPLE NO.	INTERVAL	BLOW COUNTS	
15		Gravelly, Sandy, Clay (cont.)	S-4	X	No odor. 0.0 ppm	
15		Borehole terminated at 15.0 feet.				
16						
17						
18						
19						
20						
21						
22						
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28						
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31						

PROJECT: WICKERSHAM - 1444	LOG OF BOREHOLE: BH-3	
BORING LOC.: WEST OF FORMER GASOLINE UST	ELEVATION, TOC: --	
DRILLING CONTRACTOR: GREGG DRILLING	START DATE: 8/30/96	END DATE: 8/30/96
DRILLING METHOD: DIRECT PUSH	TOTAL DEPTH: 15.0'	
DRILLING EQUIPMENT: GEOPROBE DRILL RIG	DEPTH TO WATER: N/A	
SAMPLING METHOD: 2" DRIVE SAMPLER	LOGGED BY: J.S. ANDERSON	
HAMMER WEIGHT and FALL: N/A	RESPONSIBLE PROFESSIONAL: JPD	

DEPTH (feet)	SOIL SYMBOLS	DESCRIPTION	SAMPLES			COMMENTS
			SAMPLE NO	INTERVAL	BLOW COUNTS	
0.0 - 0.6	AB	Concrete.				
0.6 - 8.0	SM	Silty Sand; grayish olive; 10 Y 4/2; moist.				
3.0 - 3.5			S-1			No odor. 5.0 ppm
4.5 - 5.0		Color Change; Dusky yellow; 5 Y.	S-2			No odor. 0.0 ppm
8.0 - 20.0	CL	Silty Clay; moderate yellowish brown; 10 YR 5/4; very stiff, organics.				
10.0 - 10.5			S-3			No odor. 0.0 ppm

PROJECT:

WICKERSHAM - 1444

LOG OF BOREHOLE:

BH-3

DEPTH (feet)	SOIL SYMBOLS	DESCRIPTION	SAMPLES			COMMENTS
			SAMPLE NO	INTERVAL	BLOW COUNTS	
15	CL	8.0 - 20.0; Silty Clay (cont.)	S-4			No odor. 6.0 ppm
15		Borehole terminated at 15.0 feet.				
16						
17						
18						
19						
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