

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

February 25, 1999

Bill Walton
Walton Distribution Facility
8707 San Leandro St.
Oakland, CA, 94611

Re: Fuel Leak Site Case Closure for Walton Distribution Facility, 8707 San Leandro St.,
Oakland, CA, 94621; Stid 5571

Dear Mr. Walton:

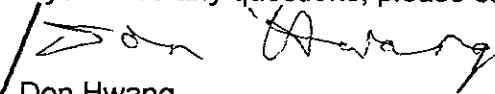
This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Protection Division is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- up to 190 ppb TPH as gasoline, and 15 ppb benzene exists in groundwater beneath the site; and,
- a site safety plan must be prepared for construction workers in the event of excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.

If you have any questions, please contact me at (510) 567-6746.



✓ Don Hwang
Hazardous Materials Specialist

enclosures: 1. Remedial Action Completion Certificate 2. Case Closure Summary

c: Frank Kliewer, City of Oakland, Planning Dept., 1330 Broadway, 2nd Floor, Oakland, CA
94612



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REMEDIAL ACTION COMPLETION CERTIFICATE

STID 5571 Walton Distribution Facility, 8707 San Leandro St., Oakland, CA, 94621
(2 - 6,000 gallons tanks removed)

February 25, 1999

Bill Walton
Walton Distribution Facility
8707 San Leandro St.
Oakland, CA, 94611

Dear Mr. Walton:

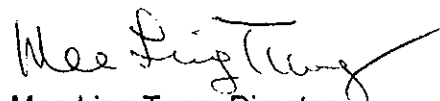
This letter confirms the completion of site investigation and remedial action for the underground storage tank formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the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

c: Chuck Headlee, RWQCB
Dave Deaner, SWRCB
Leroy Griffin, OFD
file

Pb # 01-2160

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

CALIFORNIA REGIONAL WATER
QUALITY CONTROL BOARD
FEB 08 1999

I. AGENCY INFORMATION

Date: December 30, 1998

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6746
Responsible staff person: Don Hwang Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Walton Distribution Facility
Site facility address: 8707 San Leandro St., Oakland, CA 94621
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 5571
URF filing date: March 1, 1996 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Bill Walton	2272 Lakeview Dr. San Leandro, CA 94577	(510) 568-8500

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
6,000		gasoline	removed	April 28, 1987
6,000		gasoline	removed	April 28, 1987

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown, unknown
Site characterization complete? yes
Date approved by oversight agency:
Monitoring Wells installed? yes Number: 1
Proper screened interval? Yes, 13.5 - 17 ft. bgs
Highest GW depth below ground surface: 4.9 Lowest depth: 4.9
Flow direction: assumed westerly; 8855 San Leandro St.: NW-SW
Most sensitive current use: no current use
Are drinking water wells affected? no Aquifer name: NA
Is surface water affected? no Nearest affected SW name: NA
Off-site beneficial use impacts (addresses/locations): none
Report(s) on file? YES Where is report(s) filed? Alameda County and Oakland Fire Dept.
1131 Harbor Bay Pkwy and 505 - 14th St.
Alameda, CA 94502 Oakland, CA 94612

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	2	H & H Ship Service Co. 220 China Basin St. San Francisco, CA 94107	April 28, 1987
Soil	undocumented	undocumented	undocumented
Groundwater	undocumented	undocumented	undocumented
Barrels	undocumented	undocumented	undocumented

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil ¹ (ppm)		Water (ppb)	
	<u>Before</u>	<u>After</u>	<u>Before²</u>	<u>After³</u>
TPH (Gas)	500	NA	14,000	190
TPH (Diesel)	630	NA	12,000	ND
Benzene	2.2	NA	320	15
Toluene	.37	NA	7.7	ND
Ethylbenzene	7.1	NA	500	ND
Xylenes	19	NA	340	ND
Lead	7.5	NA	ND	not tested
MTBE	ND	NA	ND	ND

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: A site safety plan must be prepared for construction workers in the event excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination.

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

¹ TPH (Gas), TPH (Diesel), Benzene, Toluene, Ethylbenzene, Xylenes, and MTBE, were from S-4.5, a soil boring sample which was collected from MW-1 at 4.5 ft. bgs on 6/4/96. Lead was collected from S1-5, a soil boring sample at 5 ft. bgs. on 12/27/95.

² TPH (Gas), TPH (Diesel), Toluene, Ethylbenzene, Xylenes, Lead, and MTBE were from B-3 on 6/10/96. Benzene was collected from S-3 on 12/27/95.

³ Collected from MW-1 on 6/30/97.

IV Closure (continued)

Monitoring wells Decommissioned: no

Number Decommissioned: NA Number Retained: NA

List enforcement actions taken: none

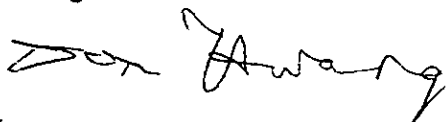
List enforcement actions rescinded: none

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Don Hwang

Title: Haz Mat Specialist

Signature:



Date:

12/31/98

Reviewed by

Name:

Title: Haz Mat Specialist

Signature:



Date:

12/31/98

Name: Thomas Peacock

Title: Supervisor

Signature:



Date:

1-28-99

VI. RWQCB NOTIFICATION

Date Submitted to RB:

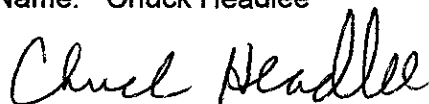
1/29/99

RB Response:

RWQCB Staff Name: Chuck Headlee

Title: EG

Signature:



Date:

2/8/99

VII. ADDITIONAL COMMENTS, DATA, ETC.

Geotechnical investigations were conducted prior to the removal of the underground storage tanks. On Nov. 14, 1985, 2 borings drilled into the concrete fuel pad found gasoline floating on top of the water surface and petroliferous odors in the soil. No laboratory analyses were made. On July 31, 1986, 4 borings were drilled, one at each end of each of the 2 tanks. 3 of the underground 4 borings noted a diesel odor. However, no laboratory analyses were performed for TPH-D. TPH-G was found only in the sample at the south end of the west tank, B-3-1, which was 9.2 ppm. Also, the laboratory report noted that the sample had considerable headspace. There was no analysis for BTEX. (See Fig. 2 - Environmental Geotechnical Consultants - 7/31/86)

2 - 6,000 gal. gasoline underground storage tanks were removed on April 28, 1987.

On Dec. 27, 1995, 4 soil borings, S-1 through S-4, were drilled in the former location of the underground storage tanks. Soil and groundwater samples were collected. Both TPH-G and TPH-D were analyzed, so if the storage tanks contained either gasoline or diesel, it would be detected. Soil sample results are found in Table 1 - Dec. 27, 1995, groundwater sample results are found in Table 2 - Dec. 27, 1995. The sample locations are shown on Figure 2. Tested soil samples ranged from TPH-G levels between 1.1 parts per million (ppm) to 40 ppm, benzene levels between 0.1 ppm to 0.50 ppm, ethylbenzene levels between 0.009 ppm to 0.12 ppm, xylenes levels between 0.026 ppm to 1.0 ppm and total lead levels between not detected (ND) to

7.5 ppm. TPH-D was not detected in the soil samples. Analytical laboratory test results of the grab groundwater samples are in Table 2- Dec. 27, 1995. High levels of TPH-G, between 900 parts per billion (ppb) to 3,400 ppb were detected in the groundwater samples. Benzene was detected at levels between 46 ppb to 320 ppb. Toluene levels were detected between 0.7 ppb to 7.2 ppb, ethylbenzene levels were detected between 25 ppb to 140 ppb, xylenes levels were between 58 ppb to 270 ppb, and total lead was ND. No TPH-D was detected in the grab groundwater samples.

On June 4, 1996, 5 soil borings, B-1 through B-5, were drilled to determine the extent of the petroleum contamination. Soil and groundwater samples were collected. Table 1 - June 4, 1996, presents the results of the analysis on the soil samples; the locations of the sampling points are given in Figure 2, July 1996 and each soil boring log Figure 3 through Figure 7, July 1996. The tested soil samples collected from the soil borings advanced around the former tanks location contained TPH-G ranging between 1.1 parts per million (ppm) to 500 ppm, TPH-D between 15 ppm to 630 ppm, benzene between 65 parts per billion (ppb) to 2,200 ppb, toluene between 14 ppb to 370ppb, ethylbenzene between 200 ppb to 7,100 ppb, xylenes between 230 ppb to 19,000 ppb and total Lead between 4.0 ppm to 5.0 ppm. Soil samples collected in the assumed down gradient soil borings on the property were ND for tested compounds. MTBE was ND in all tested soil samples. Additionally, monitoring well, MW-1, was installed within 10 ft. of the former underground storage tank in the southwesterly direction. One soil sample, S-4.5, was collected from the boring from Mw-1. The assumed westerly gradient was determined using the gradient determined at 8855 San Leandro St. which is just south of this site. This sampling event detected TPH-D for the first time. Analytical laboratory test results of the water samples from the borings and the monitoring well are summarized in Table 2 - June 4 & 10, 1996. Detectable levels of tested compounds were found in the soil borings advanced around the former USTs location. TPH-G levels were between 150 ppb to 14,000 ppb, TPH-D levels were between 96 to 12,000 ppb, benzene levels were between 3.6 ppb to 210 ppb, toluene levels between not detected (ND) to 7.7 ppb, ethylbenzene levels were between 7.1 ppb to 500 ppb, and total xylenes levels were between 6.1 ppb to 340 ppb. The tested hydrocarbon compound were ND in the groundwater samples collected from the down gradient soil borings, located in the parking lot and at the property line. MTBE and total lead were ND in all tested groundwater samples.

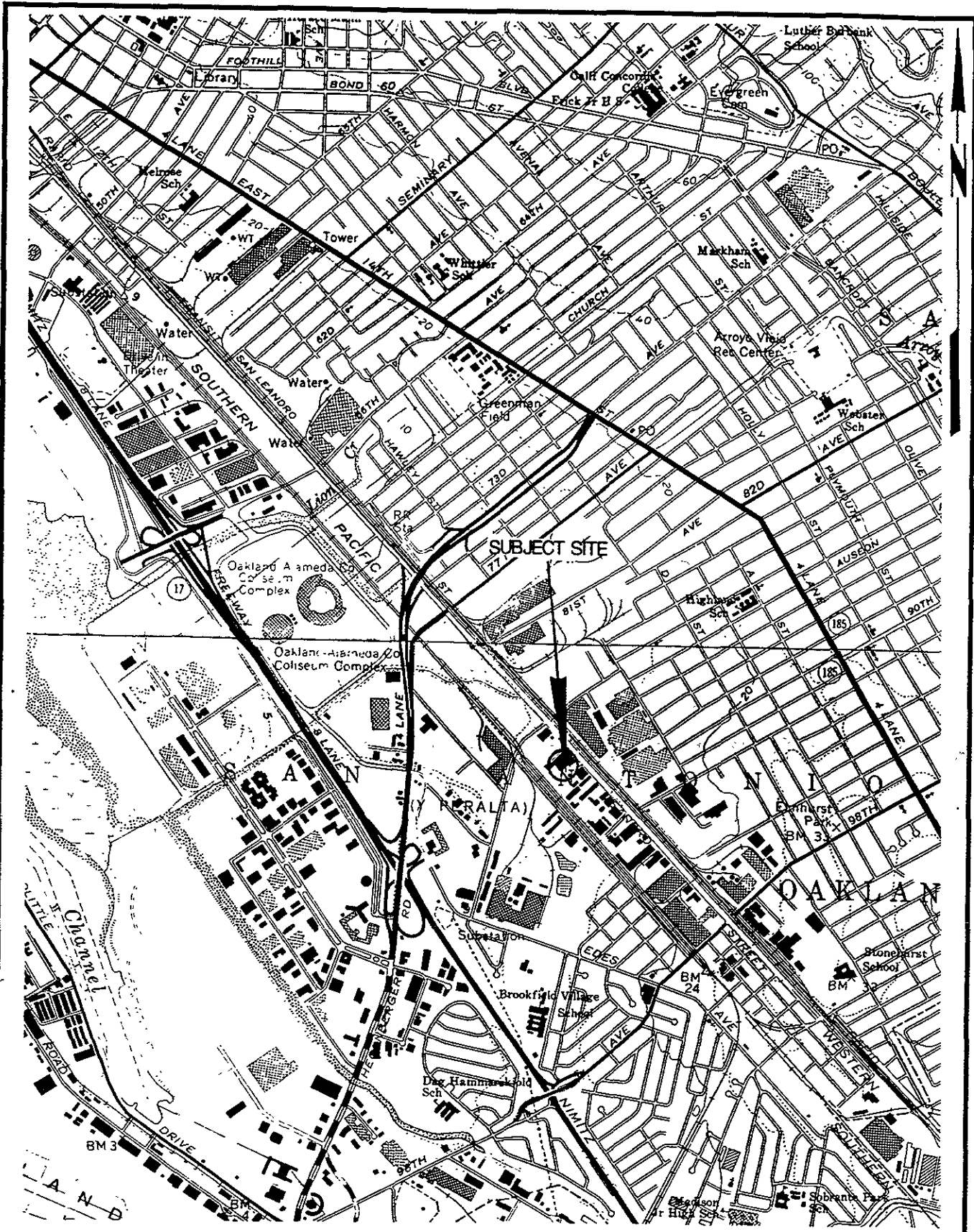
On June 10, 1996, groundwater sampling was initiated with the sampling of MW-1. The results for TPH-G, TPH-D, BTEX, lead, and MBTE, were 2,000 ug/kg, 750, 210, ND, 52, 150, ND, and ND (see Table 2 - June 4 & 10, 1996).

Subsequent groundwater sampling occurred on Dec. 23, 1996, April 2, 1997, and June 30, 1997. Analytical laboratory test results of the last quarterly groundwater sampling event showed a significant decrease in the levels of tested hydrocarbon compounds in the water sample collected from the on-site well. The only detected compounds were TPH-G and benzene with concentrations of 190 ppb and 15 ppb, respectively. The decrease in concentration of the tested compounds detected during the four quarterly groundwater monitoring sampling events (see Table 1 - Quarterly Groundwater Sampling Laboratory Results Summary) could be evidence of natural biodegradation of hydrocarbon compounds dissolved in groundwater at the subject site.

In summary, case closure is recommended because:

- o the leak and ongoing sources have been removed;

- o the site has been adequately characterized;
- o the dissolved plume is not migrating;
- o no water wells, surface water, or other sensitive receptors are likely to be impacted; and,
- o the site presents no significant risk to human health or the environment.



SCALE 1:24,000

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NOTES MAP SOURCE: USGS TOPOGRAPHIC MAPS: SAN LEANDRO AND EAST OAKLAND QUADRANGLES, 7.5 MINUTE SERIES, 1980.	DATE NOVEMBER 1995	EGC ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC. CONSULTANTS IN APPLIED EARTH SCIENCE	VICINITY MAP 8707 SAN LEANDRO STREET OAKLAND, CALIFORNIA WILLIAM WALTON	FIGURE NO.
	JOB NO. E237-02			1
	DWG NO. E23702.1			REV NO.
	DRAWN V.A.C.			
CHK'D V.A.C.				
APP'D JOHN F. HICKS				

SCHEMATIC SITE PLAN

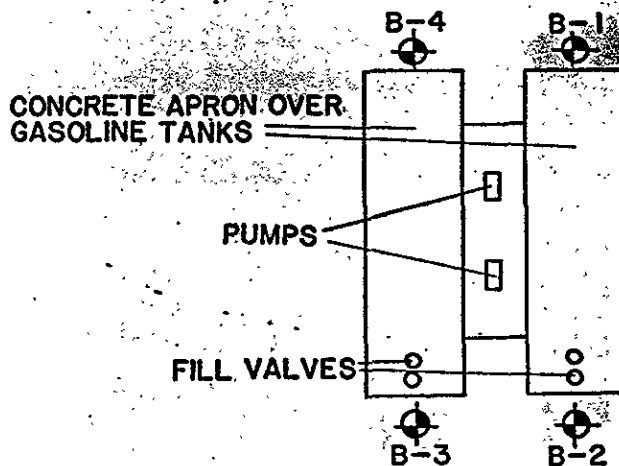
SAN LEANDRO ST.

REVISIONS
BY _____ DATE _____

FILE _____

BY _____ DATE _____
CHECKED BY _____

EXISTING
BUILDING



NOT TO SCALE

ENVIRONMENTAL GEOTECHNICAL
CONSULTANTS

7/31/86 FIGURE 2

TMA/ERG

1400 West 53rd Street

Suite 460

Emeryville, CA 94608-2946

(415) 652-2300

August 5, 1986

Environmental Geotechnical Consultants
Incorporated
609 Price Avenue, Suite #102
Redwood City, CA 94063

Attention: Ken Price

Report #9046

P.O. #003-01

RE: Four (4) soil samples submitted on July 31, 1986 for rush gasoline analysis.

Procedure: The samples are analyzed for gasoline by following the method described in Attachment 2, Analytical Procedures for Fuel Leak Investigations. The samples are concentrated on a Tekmar LSC-2 automatic sample concentrator prior to injection into a gas chromatograph fitted with a flame ionization detector. Quantitation is performed, as total hydrocarbon response, against known concentrations of gasoline. The limit of detection for this method of analysis is one part per million (mg/kg).

The results are displayed in the table below:

<u>ERG #</u>	<u>CLIENT ID</u>	<u>CONCENTRATION (mg/kg)</u>
9046-1	B-1-1 Walton	ND(1)
9046-2	B-2-1 Walton	ND(1)
9046-3	B-3-1 Walton	9.2*ppm
9046-4	B-4-1 Walton	ND(1)*

*considerable headspace present

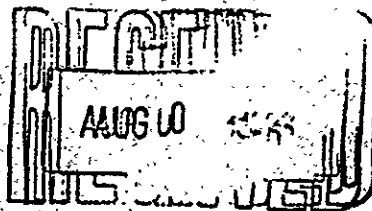
ND = None detected. The limit of detection is in ().

Submitted by:

Robert B. Flay

Robert B. Flay
Manager, Organics Department

RBF:sm]



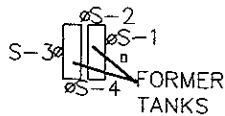
SAN LEANDRO STREET

SIDEWALK

GATE

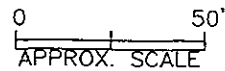
FENCE

EXISTING WAREHOUSE



FORMER TANKS

øS-4 SOIL BORING LOCATION



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NOTES	DATE	JANUARY 1996	EGC ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC. CONSULTANTS IN APPLIED EARTH SCIENCE	FIGURE NO. 2
	JOB NO.	E237-02		
	DWG NO.	E23701.2	SITE PLAN 8707 SAN LEANDRO STREET OAKLAND, CALIFORNIA	
	DRAWN	V.A.C.		
	CHK'D	V.A.C.		
APP'D	JOHN F. HICKS	WILLIAM WALTON	REV NO.	

TABLE 1

SOIL SAMPLE LABORATORY TEST RESULTS
 8707 SAN LEANDRO STREET, OAKLAND, CA.
 SAMPLING EVENT DECEMBER 27, 1995

SAMPLE I.D.	TPH-G	TPH-D	B	T	E	X	Pb
S1-5	12	ND	0.16	ND	0.12	0.35	7.5
S2-5	40	ND	0.36	ND	0.56	1.0	6.5
S3-5	36	ND	0.50	ND	0.32	0.84	7.0
S4-5	1.1	ND	0.1	ND	0.009	0.026	ND
Reporting Limits	1.0- 10	1.0	0.005- 0.05	0.005- 0.05	0.005- 0.05	0.005- 0.05	5.0

All compounds were reported in parts per million (ppm = mg/kg = milligrams per kilograms)

- TPH-G - Total petroleum hydrocarbons as gasoline was measured by extraction using EPA Method 5030 followed by modified EPA Method 8015.
- TPH-D - Total petroleum hydrocarbons as diesel was measured by extraction using EPA Method 5030, followed by modified EPA Method 8015.
- B, T, E, X - Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) were measured using EPA Method 5030, followed by analysis using EPA Method 8020.
- Pb - Lead was measured by digestion using EPA Method 3050, followed by EPA Method 7420.
- ND - Not detected above the detection limit.

TABLE 2

**GROUNDWATER SAMPLE LABORATORY TEST RESULTS
8707 SAN LEANDRO STREET, OAKLAND, CA.
SAMPLING EVENT DECEMBER 27, 1995**

SAMPLE I.D.	TPH-G	TPH-D	B	T	E	X	Pb
S-1	500	ND	63	0.7	25	58	ND
S-2	3,400	ND	180	7.2	140	270	ND
S-3	1,700	ND	320	5.0	84	150	ND
S-4	900	ND	46	1.0	33	79	ND
Reporting Limits	50-200	50	0.5-2.0	0.5-2.0	0.5-2.0	0.5-2.0	120
MCL	--	--	1.0	--	680	1,750	50

All compounds were reported in parts per billion (ppb = µg/kg = micrograms per kilograms)

TPH-G - Total petroleum hydrocarbons as gasoline was analyzed by using EPA Method 8015.

TPH-D - Total petroleum hydrocarbons as diesel was measured by extraction using EPA Method 3510, followed by modified using EPA Method 8015.

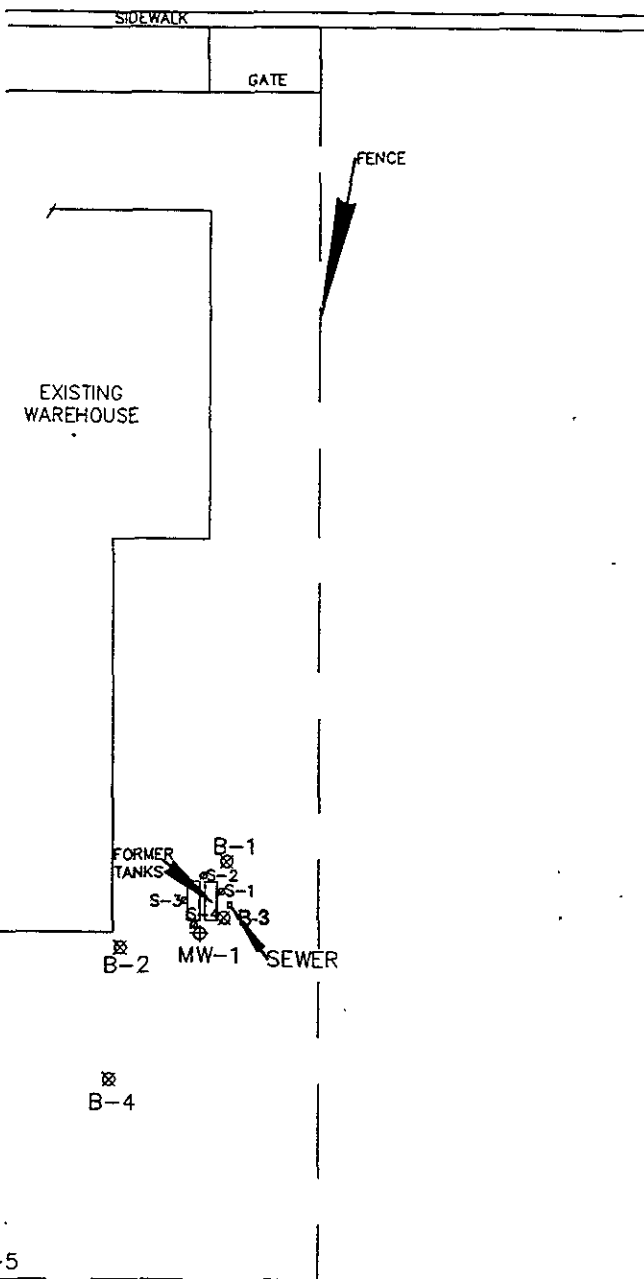
B, T, E, X - Benzene, toluene, ethylbenzene, and total xylene isomers (BTEX) were analyzed by using EPA Method 602.

Pb - Lead was measured by digestion using EPA Method 3010 followed by EPA Method 7420.

ND - Not detected above the detection limit.

MCL - Maximum contaminants levels according to CCR Title 26, §22-64435. and §22-64444.5.

SAN LEANDRO STREET



FORMER TANKS
 B-1
 B-2
 B-3
 MW-1 SEWER
 B-4
 B-5

- ⊕-1 SOIL BORING ADVANCED IN DECEMBER, 1995
- ⊗ SOIL BORING LOCATION
- ⊕ GROUNDWATER MONITORING WELL LOCATION

0 50'
 APPROX. SCALE

Q:\STD5\TBLOCK\EGCB11

NOTES	DATE	JULY 1996		ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC. CONSULTANTS IN APPLIED EARTH SCIENCE SITE PLAN 8707 SAN LEANDRO STREET OAKLAND, CALIFORNIA WILLIAM WALTON	FIGURE NO.
	JOB NO.	E237-03			2
	DWG NO.	E23703.2			REV NO
	DRAWN	V.A.C.			
	CHK'D	V.A.C.			
APP'D	JOHN F. HICKS				

TABLE 1

SOIL SAMPLE LABORATORY TEST RESULTS
 8707 SAN LEANDRO STREET, OAKLAND, CA.
 SAMPLING EVENT JUNE 4, 1996

SAMPLE I.D.	TPH-G	TPH-D	B	T	E	X	Pb	MTBE
B1-4.5	92	310	65	5.0	200	230	4.0	ND
B2-4.5	85	15	190	14	870	1,300	4.0	ND
B3-4.5	1.1	160	18	ND	ND	12	5.0	ND
B4-4.5	ND	ND	ND	ND	ND	ND	6.0	ND
B5-4.5	ND	ND	ND	ND	ND	ND	5.0	ND
S-4.5	500	630	2,200	370	7,100	19,000	5.0	ND
Reporting Limits	1.0	1.0	5.0	5.0	5.0	5.0	5.0	10

TPH-G, TPH-D and Lead were reported in parts per million (ppm = mg/kg = milligrams per kilograms) and BTEX group and MTBE were reported in parts per billion (ppb = µg/kg = micrograms per kilograms).

TPH-G - Total petroleum hydrocarbons as gasoline was measured using EPA Method 8015 Modified.

TPH-D - Total petroleum hydrocarbons as diesel was measured using EPA Method 8015 Modified.

B,T,E,X, MTBE - Benzene, Toluene, Ethylbenzene, total Xylene isomers (BTEX), and MethylTertiary ButylEther (MTBE) were measured using EPA Method 8020.

Pb - Lead was measured using EPA Method 7420.

ND - Not detected above the detection limit.

TABLE 2

**GROUNDWATER SAMPLE LABORATORY TEST RESULTS
8707 SAN LEANDRO STREET, OAKLAND, CA.
SAMPLING EVENTS PERFORMED ON JUNE 4 AND 10, 1996**

SAMPLE I.D.	TPH-G	TPH-D	B	T	E	X	Pb	MBTE
B-1	1,000	1,600	50	ND	45	80	ND	ND
B-2	150	96	3.6	ND	7.1	6.1	ND	ND
B-3	14,000	12,000	38	7.7	500	340	ND	ND
B-4	ND	ND	ND	ND	ND	ND	ND	ND
B-5	ND	ND	ND	ND	ND	ND	ND	ND
MW-1	2,000	750	210	ND	52	150	ND	ND
Reporting Limits	50	50	0.5	0.5	0.5	0.5	0.1	1.0
MCL	--	--	1.0	--	680	1,750	50	--

All compounds were reported in parts per billion (ppb = $\mu\text{g}/\text{kg}$ = micrograms per kilograms)

TPH-G - Total petroleum hydrocarbons as gasoline was analyzed using Department of Health Services (DHS) leaking underground fuel tanks (LUFT) Method.

TPH-D - Total petroleum hydrocarbons as diesel was measured using DHS-LUFT Method.

B,T,E,X, MTBE - Benzene, toluene, ethylbenzene, total xylene isomers (BTEX), and MethylTertiary ButhylEther (MTBE) were analyzed by using DHS-LUFT Method.

Pb - Lead was measured by digestion using EPA Method 7420.

ND - Not detected above the detection limit.

MCL - Maximum contaminants levels according to CCR Title 26, §22-64435. and §22-64444.5.

SOIL BORING LOG

LOCATION: 8707 SAN LEANDRO STREET, OAKLAND

CLIENT: BILL WALTON

BORE HOLE: B-1

DATE DRILLED: JUNE 6, 1996 DRILLED BY: HEW DRILLING COMPANY

LOGGED BY: ADRIANA CONSTANTINESCU

Depth Below Surface	Samples Collected		SOIL DESCRIPTION Color, Grain size, Texture, Moisture, Consistency, Odor	Unified Soil Classification	Log	Penetration Collected Blows / 18"	PID Readings
	INT	Sample No.					
5		B1-4.5	ASPHALT PAVING CLAY, DARK BROWN, WITH MEDIUM PLASTICITY, STIFF, MOIST.	CL		2/4/6/	47.00 PPM
10			SAND, DARK-BROWN, MEDIUM, ANGULAR, MEDIUM DENSE	SP		2/3/5	0.00 PPM
15							
20							
25							
30							

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NOTES

GROUNDWATER LEVEL AT 5 FEET BELOW GROUND SURFACE.

SOIL BORING BACKFILL WITH GROUT CEMENT.

DATE	JULY 1996
JOB NO.	E237-03
DWG NO.	E23703.3
DRAWN	V.A.C.
CHK'D	V.A.C.
APP'D	JOHN F. HICKS

EGC ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
CONSULTANTS IN APPLIED EARTH SCIENCE

SOIL BORING LOG
8707 SAN LEANDRO STREET
OAKLAND, CALIFORNIA
WILLIAM WALTON

FIGURE NO.	3
REV NO.	

SOIL BORING LOG

LOCATION: 8707 SAN LEANDRO STREET, OAKLAND

CLIENT: BILL WALTON

BORE HOLE: B-2

DATE DRILLED: JUNE 6, 1996 DRILLED BY: HEW DRILLING COMPANY

LOGGED BY: ADRIANA CONSTANTINESCU

Depth Below Surface	Samples Collected		SOIL DESCRIPTION Color, Grain size, Texture, Moisture, Consistency, Odor	Unified Soil Classification	Log	Penetration Collected Blows / 18'	PID Readings
	INT	Sample No.					
5		B2-4.5	ASPHALT PAVING				
5			CLAY, DARK BROWN, WITH MEDIUM PLASTICITY, STIFF, MOIST.	CL		3/3/5	12.00 PPM
10			CLAYEY SAND, BROWN, FINE, LOOSE, WET.	SP		1/2/4	0.00 PPM
15							
20							
25							
30							

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NOTES GROUNDWATER LEVEL AT 5 FEET BELOW GROUND SURFACE. SOIL BORING BACKFILL WITH GROUT CEMENT.	DATE	JULY 1996	ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC. <small>CONSULTANTS IN APPLIED EARTH SCIENCE</small>	FIGURE NO. 4
	JOB NO.	E237-03		
	DWG NO.	E23703.4		
	DRAWN	V.A.C.		
	CHK'D	V.A.C.		
APP'D	JOHN F. HICKS	SOIL BORING LOG 8707 SAN LEANDRO STREET OAKLAND, CALIFORNIA WILLIAM WALTON	REV NO.	

SOIL BORING LOG

LOCATION: 8707 SAN LEANDRO STREET, OAKLAND

CLIENT: BILL WALTON

BORE HOLE: B-3

DATE DRILLED: JUNE 6, 1996 DRILLED BY: HEW DRILLING COMPANY

LOGGED BY: ADRIANA CONSTANTINESCU

Depth Below Surface	Samples Collected		SOIL DESCRIPTION Color, Grain size, Texture, Moisture, Consistency, Odor	Unified Soil Classification	Log	Penetration Collected Blows / 18"	PID Readings
	INT	Sample No.					
5		B3-4.5	ASPHALT PAVING				
			SANDY CLAY. WITH MEDIUM PLASTICITY, STIF, MOIST.	CL		5/6/13	2.5 PPM
10			CLAYEY SAND, BROWN, FINE, LOOSE, WET.	SP		1/3/5	0.00 PPM
15							
20							
25							
30							

NOTES GROUNDWATER LEVEL AT 5 FEET BELOW GROUND SURFACE. SOIL BORING BACKFILL WITH GROUT CEMENT.	DATE	JULY 1996	ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC. CONSULTANTS IN APPLIED EARTH SCIENCE	SOIL BORING LOG 8707 SAN LEANDRO STREET OAKLAND, CALIFORNIA WILLIAM WALTON	FIGURE NO.	5
	JOB NO.	E237-03				
	DWG NO.	E23703.5				
	DRAWN	V.A.C.				
	CHK'D	V.A.C.				
APP'D	JOHN F. HICKS	REV NO.				

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SOIL BORING LOG

LOCATION: 8707 SAN LEANDRO STREET, OAKLAND

CLIENT: BILL WALTON

BORE HOLE: B-4

DATE DRILLED: JUNE 6, 1996 DRILLED BY: HEW DRILLING COMPANY

LOGGED BY: ADRIANA CONSTANTINESCU

Depth Below Surface	Samples Collected		SOIL DESCRIPTION Color, Grain size, Texture, Moisture, Consistency, Odor	Unified Soil Classification	Log	Penetration Collected Blows / 18"	PID Readings
	INT	Sample No.					
5	X	B4-4.5	ASPHALT PAVING				
5	X		CLAY, DARK BROWN, WITH MEDIUM PLASTICITY. STIFF, MOIST.	CL		3/3/5	0.00 PPM
10	X		SAND, DARK-BROWN, MEDIUM, ANGULAR, MEDIUM DENSE	SP		1/2/4/	0.00 PPM
15							
20							
25							
30							

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NOTES GROUNDWATER LEVEL AT 5 FEET BELOW GROUND SURFACE. SOIL BORING BACKFILL WITH GROUT CEMENT.	DATE	JULY 1996	ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC. CONSULTANTS IN APPLIED EARTH SCIENCE	FIGURE NO. 6
	JOB NO.	E237-03		
	DWG NO.	E23703.6		
	DRAWN	V.A.C.		
	CHK'D	V.A.C.		
APP'D	JOHN F. HICKS	SOIL BORING LOG 8707 SAN LEANDRO STREET OAKLAND, CALIFORNIA WILLIAM WALTON	REV NO.	

SOIL BORING LOG

LOCATION: 8707 SAN LEANDRO STREET, OAKLAND

CLIENT: BILL WALTON

BORE HOLE: B-5

DATE DRILLED: JUNE 6, 1996 DRILLED BY: HEW DRILLING COMPANY

LOGGED BY: ADRIANA CONSTANTINESCU

Depth Below Surface	Samples Collected		SOIL DESCRIPTION Color, Grain size, Texture, Moisture, Consistency, Odor	Unified Soil Classification	Log	Penetration Collected Blows / 18'	PID Readings
	INT	Sample No.					
5	X	B5-4.5	ASPHALT PAVING				
5	X	B5-4.5	SANDY CLAY. WITH MEDIUM PLASTICITY, STIF, MOIST.	CL		3/4/7	0.00 PPM
10	X		CLAYEY SAND, BROWN, FINE, LOOSE, WET.	SP		2/3/4	0.00 PPM
15							
20							
25							
30							

NOTES

GROUNDWATER LEVEL AT 5 FEET BELOW GROUND SURFACE.

SOIL BORING BACKFILL WITH GROUT CEMENT.

DATE	JULY 1996
JOB NO	E237-03
DWG NO.	E23703.7
DRAWN	V.A.C.
CHK'D	V.A.C.
APP'D	JOHN F. HICKS



ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC.
CONSULTANTS IN APPLIED EARTH SCIENCE

SOIL BORING LOG
8707 SAN LEANDRO STREET
OAKLAND, CALIFORNIA
WILLIAM WALTON

FIGURE NO.

7

REV NO

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SOIL BORING LOG

LOCATION: 8707 SAN LEANDRO STREET, OAKLAND

CLIENT: BILL WALTON

BORE HOLE: MW-1

DATE DRILLED: JUNE 6, 1996 DRILLED BY: HEW DRILLING COMPANY

LOGGED BY: ADRIANA CONSTANTINESCU

Depth Below Surface	Samples Collected		SOIL DESCRIPTION Color, Grain size, Texture, Moisture, Consistency, Odor	Unified Soil Classification	Log	Penetration Collected Blows / 18'	PID Readings
	INT	Sample No.					
5		S-4.5	ASPHALT PAVING				
5			SANDY CLAY, WITH MEDIUM PLASTICITY, STIF, MOIST.	CL		3/4/7	76.00 PPM
10			CLAYEY SAND, BROWN, FINE, LOOSE, WET.	SP		2/3/4	0.00 PPM
15			CLAY, GRAY; WITH MEDIUM PLASTICITY, FIRM, WET.			1/3/3	0.00 PPM
20							
25							
30							

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NOTES	DATE	JULY 1996	ENVIRONMENTAL GEOTECHNICAL CONSULTANTS, INC. <small>CONSULTANTS IN APPLIED EARTH SCIENCE</small>	FIGURE NO. 8
	JOB NO.	E237-03		
	DWG NO.	E23703.8		
	DRAWN	V.A.C.		
	CHK'D	V.A.C.		
APP'D	JOHN F. HICKS	SOIL BORING LOG 8707 SAN LEANDRO STREET OAKLAND, CALIFORNIA WILLIAM WALTON	REV NO.	

- Total petroleum hydrocarbons as gasoline (TPH-G) using EPA Method 8015 Modified;
- Total petroleum hydrocarbon as diesel (TPH-D) using EPA Method 8015 Modified;
- Benzene, toluene, ethylbenzene, total xylenes (BTEX) and methylteritary buthylether (MTBE) were measured using EPA Method 8020.

Copies of the COCs are included along with the analytical results in appendix A. Results of the four quarterly groundwater sampling event laboratory analysis tests are summarized in Table 1.

TABLE 1

QUARTERLY GROUNDWATER SAMPLING LABORATORY RESULTS SUMMARY
Monitoring Well MW-1
Former Walton Distribution Facility
8707 San Leandro Street, Oakland, California

SAMPLING DATE	TPH-G	TPH-D	B	T	E	X	Pb	MTBE
06-10-96	2,000	750	210	ND	52	150	ND	ND
12-23-96	380	380	38	ND	5.6	2.9	-	ND
04-02-97	210	120	ND	ND	ND	ND	-	ND
06-30-97	190	ND	15	ND	ND	ND	-	ND

All compounds were reported in parts per billion (ppb= $\mu\text{g}/\text{kg}$ =micrograms per kilograms)

TPH-G Total Petroleum Hydrocarbons as Gasoline
 TPH-D Total Petroleum Hydrocarbon as Diesel
 B,T,E,X, Benzene, Toluene, Ethylbenzene, Total Xylenes
 MTBE Methyl Teritary Buthyl Ether
 Pb Total Lead

LOP - RECORD CHANGE REQUEST FORM

printed:
01/05/99

Mark Out What Needs Changing and Hand to LOP Data Entry
(Name/Address changes go to Annual Programs Data Entry)

CL
Insp: DH

AGENCY # : 10000 SOURCE OF FUNDS: F SUBSTANCE: 8006619
 StID : 5571 LOC:
 SITE NAME: W & R Walton DATE REPORTED : 03/19/96
 ADDRESS : 8707 San Leandro St DATE CONFIRMED:
 CITY/ZIP : Oakland 94621 MULTIPLE RPs : N

SITE STATUS

 CASE TYPE: S CONTRACT STATUS: 3 PRIOR CODE:1C3 EMERGENCY RESP:
 RP SEARCH: S DATE COMPLETED: 03/19/96
 PRELIMINARY ASMNT: C DATE UNDERWAY: 12/27/95 DATE COMPLETED: 12/27/95
 REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED:
 REMEDIAL ACTION: DATE UNDERWAY: DATE COMPLETED:
 POST REMED ACT MON:U DATE UNDERWAY: 06/10/96 DATE COMPLETED: 6/30/97

 ENFORCEMENT ACTION TYPE: 1 DATE ENFORCEMENT ACTION TAKEN: 03/19/96
 LUFT FIELD MANUAL CONSID: 2HSCA
 CASE CLOSED: DATE CASE CLOSED: 2/23/99
 DATE EXCAVATION STARTED : NA REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

 RP#1-CONTACT NAME: Mr. Bill Walton
 COMPANY NAME: Walton Distribution Services
 ADDRESS: 8707 San Leandro Street
 CITY/STATE: Oakland CA 94621

INSPECTOR VERIFICATION:

NAME _____ SIGNATURE _____ DATE _____

DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANMPGMS _____	LOP _____	DATE _____	LOP _____	DATE _____



LABORATORY QA/QC REPORT

Client: Enviropro, Inc.
Project Name: Standard Brands
Method: EPA 8015M (Gasoline)
Sample ID: Matrix Spike
Concentration: 0.5 mg/L

AA ID No.: 24953
Project No.: 10542
AA Project No.: MB101403
Date Analyzed: 06/23/94
Date Reported: 07/18/94

Compounds	Result (mg/L)	Spike Recovery (%)	Dup. Result (mg/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept. Rec. Range (%)
Gasoline Range Organics	0.49	98.0	0.48	96.0	2.1	51 - 149



George Havalias
Laboratory Director