

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director

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

**REMEDIAL ACTION COMPLETION CERTIFICATION**

StID 215 - 527 23rd Ave, Oakland, CA

September 12, 1996

Mr. John Protopappas  
Madison Park  
1155 5th St, Suite 101  
Oakland, CA 94607

Mr. Andy Gottelli  
ELS Properties  
5 Thomas Mellon Cir, #109  
San Francisco, CA 94134

Dear Messrs. Protopappas and Gottelli:

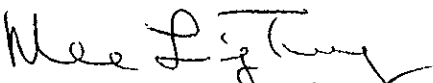
This letter confirms the completion of site investigation and remedial action for the three former underground storage tanks (1-2,000 gallon bunker fuel; 1-1,000 and 1-550 gallon gasoline tanks) removed from the above site in April 1990 and December 1992. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, 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, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations. If changes in land use, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated, the owner must promptly notify this agency.

Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

  
Mee Ling Tung, Director

cc: Chief, Division of Environmental Protection  
Kevin Graves, RWQCB  
Lori Casias, SWRCB (with attachment)  
files (els.3)

MAY 13 1996 KG

QUALITY CONTROL BOARD

CASE CLOSURE SUMMARY  
 Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: April 24, 1996

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy  
 City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700  
 Responsible staff person: Eva Chu Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Former Exchange Linen Service  
 Site facility address: 527 23rd Ave, Oakland, CA 94606  
 RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 215  
 URF filing date: 1/19/93 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
1. John Protopappas Madison Park	1155 5th Street, Suite 101 Oakland, CA 94607	
2. Andy Gottelli ELS Properties	5 Thomas Mellon Circle, Suite 109 San Francisco, CA 94134	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	2,000	Bunker Fuel	Closed in-place	April 1990
2	1,000	Gasoline	Removed	12/9/92
3	550	Gasoline	Removed	12/9/92

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Leaking UST  
 Site characterization complete? YES  
 Date approved by oversight agency: 1/17/96  
 Monitoring Wells installed? Yes Number: 3  
 Proper screened interval? Yes  
 Highest GW depth below ground surface: 6.22' Lowest depth: 8.02' in MW-2  
 Flow direction: Predominately to NE and NW  
 Most sensitive current use: Commercial  
 Are drinking water wells affected? No Aquifer name: Unknown  
 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  
 1131 Harbor Bay Pkwy  
 Alameda, CA 94502

RECEIVED  
 MAY 13 1996 3:03 PM

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 USTs 1 UST	Disposed by Schnitzer Steel, Oakland Closed in place	12/9/92 Apr 1990
Rinseate	425 gal	Refinery Services in Patterson	12/9/92

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)		
	Before <sup>1</sup>	After <sup>2</sup>	Before	After	
TPH (Gas)	4.5	230	760,000 <sup>4</sup>	1,600	1,000
TPH (Diesel)	<1 <sup>3</sup>		<700 <sup>4</sup>		<100
TPH-MO	<10		<350 <sup>4</sup>		
Benzene	<0.0025	0.25	230 <sup>4</sup>	22	3.0
Toluene	"	1.1	320 <sup>4</sup>	44	<0.5
Ethylbenzene	"	0.48	<150 <sup>4</sup>	13	5.5
Xylenes	"	3.1	260 <sup>4</sup>	54	7.7
Lead	16				

- NOTE:
- 1 soil sample from gasoline tank excavation
  - 2 soil sample from hand-augered boring just west of gasoline tank excavation at 10.5' bgs
  - 3 soil sample from bunker fuel tank area at 10' bgs
  - 4 "Grab" groundwater sample from boring west of gasoline excavation

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

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: **None, pending site closure**  
 Number Decommissioned: **0** Number Retained: **3**  
 List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature:  Date: **5/9/96**

**Reviewed by**

Name: **Dale Klettke** Title: **Haz Mat Specialist**

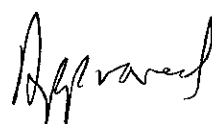
Signature:  Date: **4/24/96**

Name: **Thomas Peacock** Title: **Supervisor**

Signature:  Date: **5/9/96**

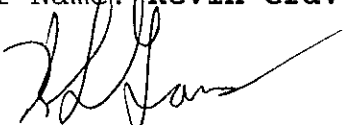
**VI. RWQCB NOTIFICATION**

Date Submitted to RB: **5/10/96**

RB Response: 

RWQCB Staff Name: **Kevin Graves**

Title: **AWRCE**

Signature:  Date: **5/23/96**

**VII. ADDITIONAL COMMENTS, DATA, ETC.**

A 2,000 gallon UST which previously stored bunker fuel, located under the sidewalk and adjacent to the ELS building, was closed in-place with cement slurry in April 1990. Two soil samples were collected at 10' bgs from each end of the UST using a hand auger. Laboratory analytical results did not identify BTEX or TPH as diesel, motor oil, and bunker C in the soil samples. (See Fig 1.)

In December 9, 1992 two additional USTs (1-1,000, 1-500 gallon) which were believed to have stored gasoline were removed. The smaller UST had apparent through-holes on the bottom. A strong hydrocarbon odor was present and soil discoloration was evident in the excavation. Soil samples collected from native clay soil beneath the USTs, however, did not contain remarkable levels of TPH-G, TPH-D, or BTEX. The pit was backfilled using previously excavated material. (See Fig 2.)

Additional subsurface investigations were conducted on December 18, 1992 using hand-augered borings. Soil samples were collected from beneath the former fuel dispenser, from native soil at the west edge of the former excavation, and from the fill material within the former excavation pit. A "grab" groundwater sample was also collected from the boring along the west edge of the excavation. Low levels of TPH-G and BTEX were identified in all soil samples. The "grab" groundwater sample exhibited up to 760,000 ppb TPH-G, and 230, 320, ND, and 260 ppb BTEX, respectively. (See Fig 3, Table 1 and 2.)

Three groundwater monitoring wells, MW-1 through MW-3, were installed in July 1993. (See boring logs.) Soil from boring MW-2 (through the former tank pit) at 10.5' bgs contained low levels of TPH-G and BTEX. By February 1995 groundwater had been sampled for 6 consecutive quarters where well MW-2 continued to exhibit up to 950 ppb TPH-G and 4.8 ppb benzene. (See Fig 4, Tables 4 and 5.) Groundwater flow direction was determined to be predominately toward the NW and NE.

In September 1995 six Geoprobe borings were advanced to delineate the extent of groundwater contamination. "Grab" groundwater samples were collected from each boring. Borings GP-1 through GP-4 did not identify TPH-G or BTEX. However, groundwater from borings GP-5 and GP-6 exhibited up to 210 ppb TPH-G and 24 ppb benzene. It appeared groundwater contamination detected in GP-5 and GP-6 may not be the result of the fuel release at this site; rather, it may be from the former UST removed from 534 23rd Ave. (See Fig 4, Table 3.)

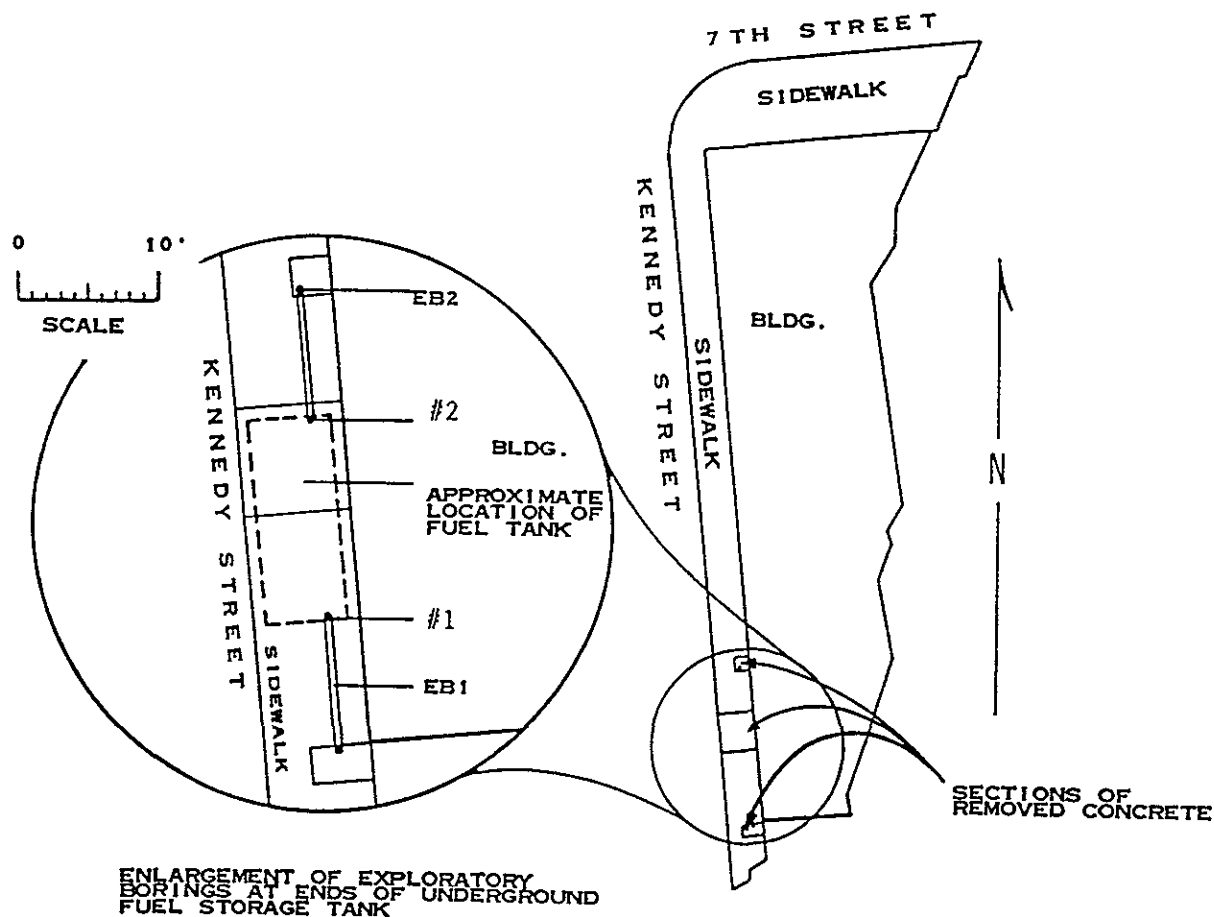
Subsurface investigations have demonstrated the fuel release from this site is limited to an area near the tank excavation. Petroleum hydrocarbons in groundwater should naturally bioattenuate. Shallow groundwater in this area is not a source of drinking water. Residual hydrocarbons in soil and groundwater should pose no significant risk to human health or the environment. Continued groundwater sampling is not warranted.

MAP REF: THOMAS BROS.  
ALAMEDA COUNTY  
P. 11 E-1

LEGEND: EB = EXPLORATORY BORING

0 50'

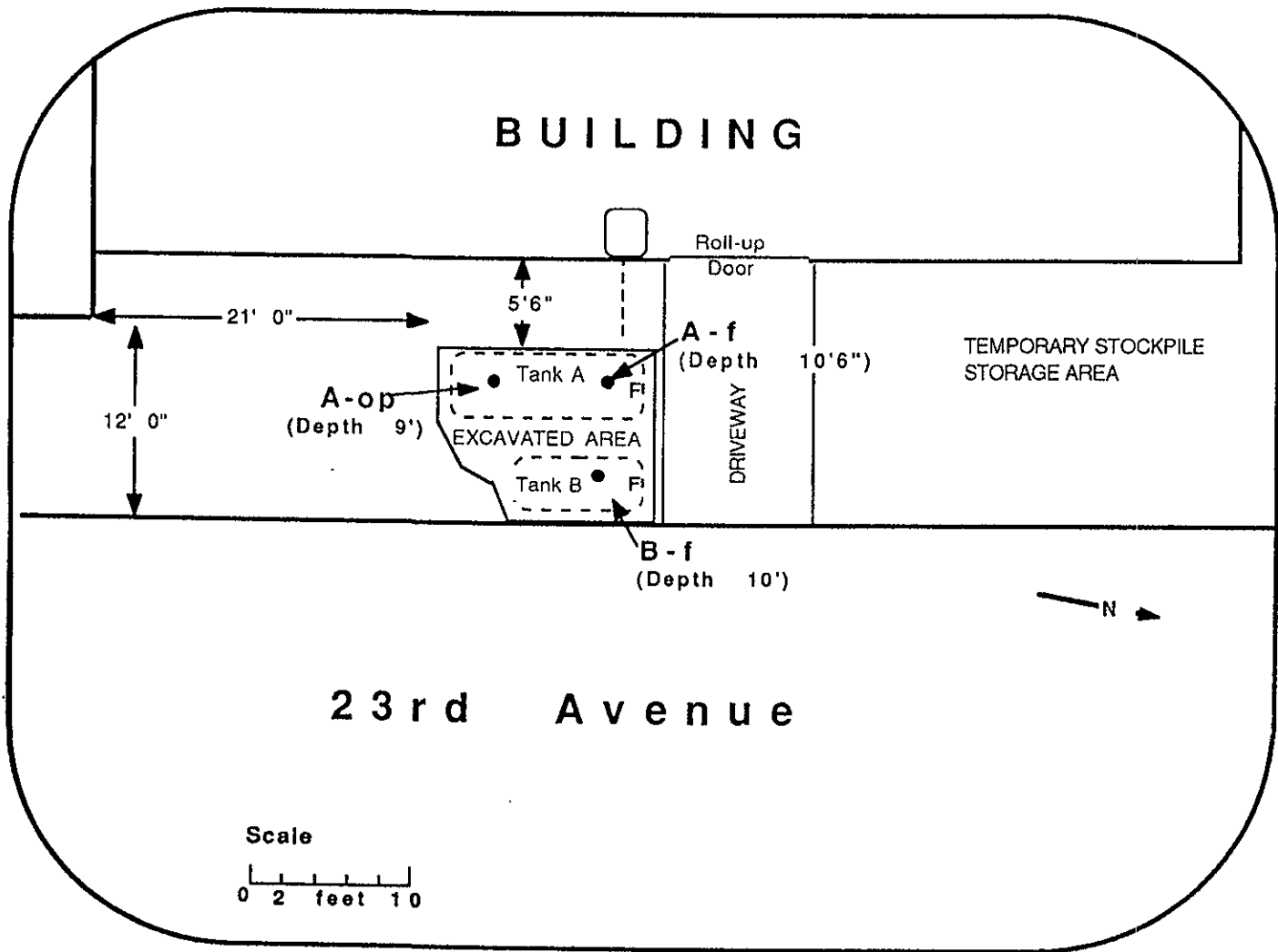
SCALE: 



- #1 SOIL SAMPLE FROM EB1 AT 10.25'  
ANALYSIS FOR TOTAL PETROLEUM  
HYDROCARBONS (TPH) AS BUNKER  
FUEL AND BENZENE, TOLUENE,  
XYLENES, AND ETHYLBENZENE (BTXE)  
AT NET PACIFIC LABORATORY
- #2 SOIL SAMPLE FROM EB2 AT 10.25'  
ANALYSIS FOR TPH AS BUNKER FUEL  
AND BTXE AT NET PACIFIC  
LABORATORY

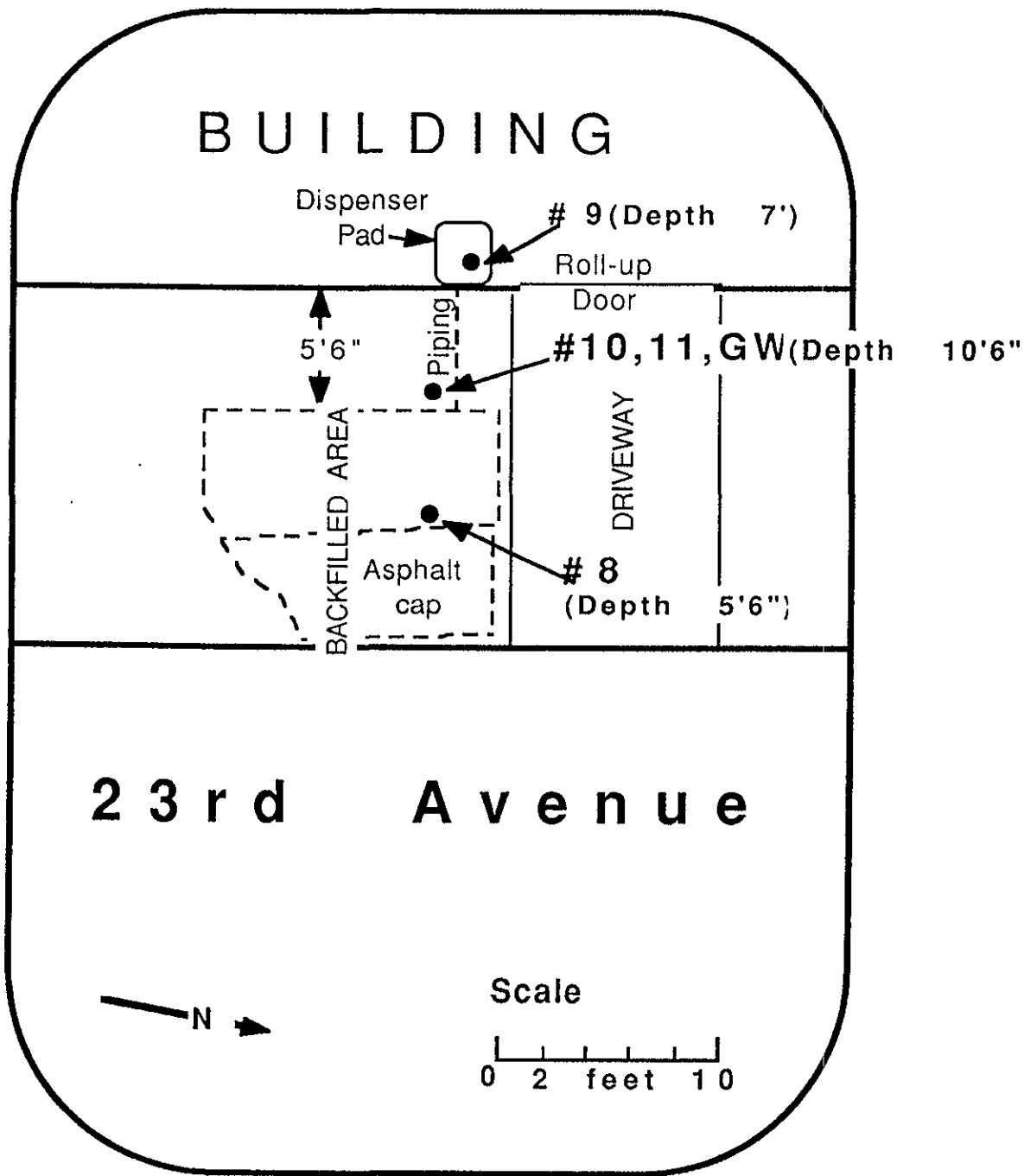
ENLARGEMENT OF EXPLORATORY  
BORINGS AT ENDS OF UNDERGROUND  
FUEL STORAGE TANK

SAMPLING PERFORMED BY CHONG LEE  
DIAGRAM PREPARED BY BRENT ADAMS



**SAMPLE LOCATIONS 12-9-92**  
**527 23rd Avenue, Oakland**

Figure 2



**SAMPLE LOCATIONS 12-18-92**  
**527 23rd Avenue, Oakland**

Figure 23





Parking

Exchange Studios

East 7th Street

● GP-2  
G:<50  
B:<0.5

⊕ MW-3

Sidewalk

⊕ MW-1

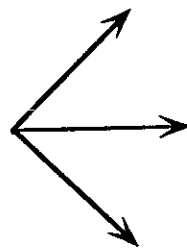
⊕ MW-2

● GP-4  
G:<50  
B:<0.5

● GP-3  
G:<50  
B:<0.5

● GP-1  
G:<50  
B:<0.5

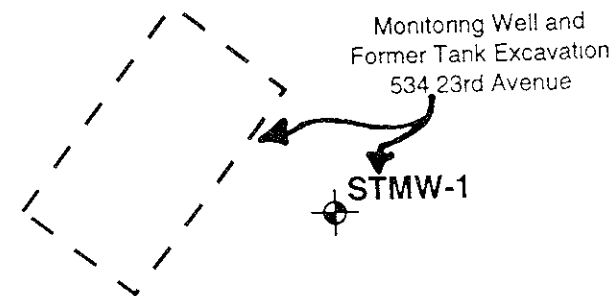
23rd Avenue



● GP-6  
G:210  
B:24

● GP-5  
G:<50  
B:3.0

Sidewalk



**LEGEND**



Approximate Former Underground Storage Tank Excavation



MW-3 Groundwater Monitoring Well



GP-6 Geoprobe™ Sample Point

G: Concentration of TPHG\*

B: Concentration of Benzene\*



Historic Groundwater Flow Directions

(\*Concentrations in Parts per Billion)

Base: August 3, 1993 Survey Map,  
James W. Rasp, P.E.



**Earth Systems Consultants**  
Northern California

Exchange Linen Service  
527 23rd Avenue  
Oakland, California

**SITE PLAN**

Date: 12/12/95  
File No. NJL-4084-04

Figure No. 6





TABLE 2

Sample Log 5595  
5595-1

Sample: 237-GW

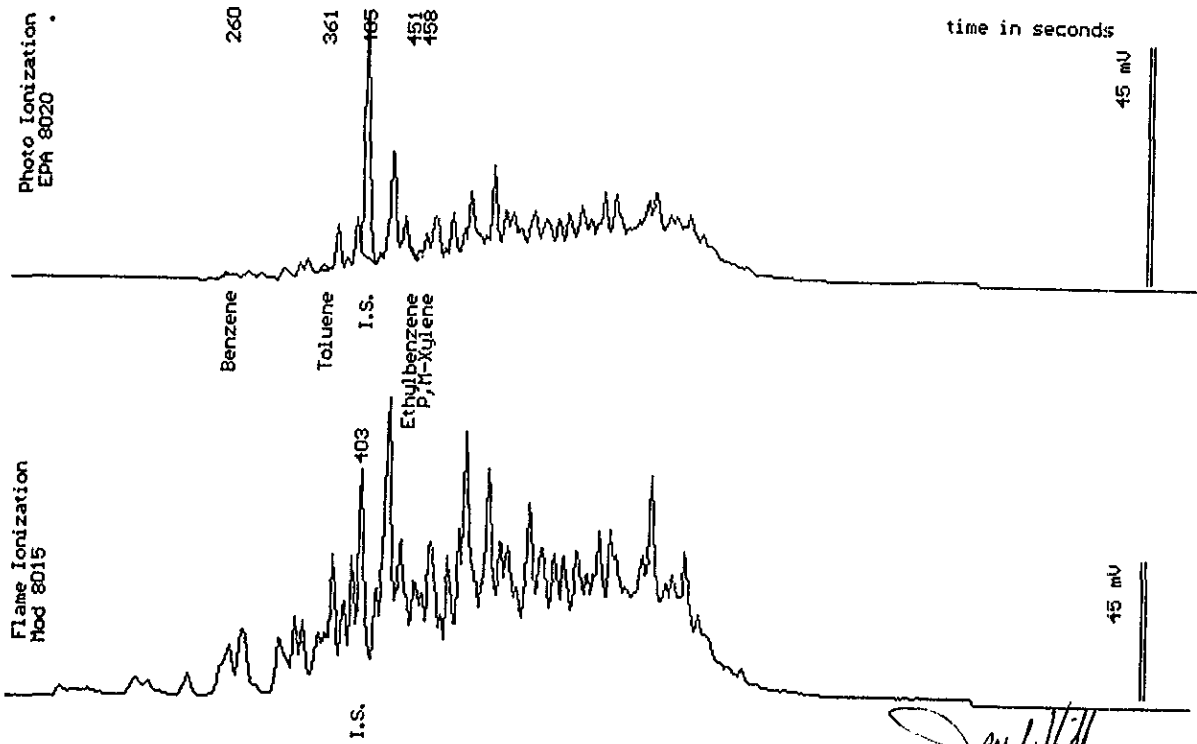
From : Project # 237 (Exchange Linen Service)  
Sampled : 12/21/92  
Dilution : 1:500  
Matrix : Water

QC Batch : 6085f

Parameter	(MDL) ug/L	Measured Value ug/L
Benzene	(150)	230
Toluene	(150)	320
Ethylbenzene	(150)	<150
Total Xylenes	(250)	260
TPH as Gasoline	(25000)	760000

\* Product is not typical gasoline.

760 ppm mg/l



Date Analyzed: 12-21-92  
Column : 0.53mm ID X 30m DB5 (J&M Scientific)

Joel Kiff  
Senior Chemist

**TABLE #3**  
**SUMMARY OF GEOPROBE™ ANALYTICAL DATA**

Sample Number	Sample Date	TPHG (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)
GP-1	09/26/95	<50	<0.5	<0.5	<0.5	<0.5
GP-2	09/26/95	<50	<0.5	<0.5	<0.5	<0.5
GP-3	09/26/95	<50	<0.5	<0.5	<0.5	<0.5
GP-4	09/26/95	<50	<0.5	<0.5	<0.5	<0.5
GP-5	09/26/95	<50	3.0	1.2	2.2	<0.5
GP-6	09/26/95	210	24	1.7	7.8	1.2

Notes for Table 1

µg/L    micrograms per Liter, or parts per billion  
TPHG    Total petroleum hydrocarbons as gasoline  
<0.5    Not detected at or below laboratory detection limit of 0.5 µg/L

**TABLE 4**  
**SUMMARY OF GROUNDWATER MONITORING DATA**

Well Number	Monitoring Date	TOC Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPHG (µg/L)	TPHD (µg/L)
MW-1	07/15/93	99.57	7.42	92.15	<0.5	<0.5	<0.5	<0.5	<50	<100
	11/02/93		7.80	91.77	<0.5	<0.5	<0.5	<0.5	<50	NR
	02/01/94		7.41	92.16	<0.5	<0.5	<0.5	<0.5	<50	NR
	05/31/94		7.40	92.17	<0.5	<0.5	<0.5	<0.5	<50	NR
	10/14/94		7.02	92.55	<0.5	<0.5	<0.5	<0.5	<50	NR
	01/31/95		6.10	93.47	<0.5	<0.5	<0.5	<0.5	<50	NR
	05/11/95		6.81	92.75	<0.5	<0.5	<0.5	<0.5	<50	NR
	07/27/95		6.78	92.79	<0.5	<0.5	<0.5	<0.5	<50	NR
MW-2	07/15/93	99.70	7.71	91.99	11	12	4.5	12	1,200	<100
	11/02/93		8.02	91.68	22	44	13	54	1,600	NR
	02/01/94		7.57	92.13	13	5.0	5.8	19	780	NR
	05/31/94		7.78	91.92	4.6	8.0	4.4	9.2	650	NR
	10/14/94		7.35	92.35	1.7	2.8	1.6	4.0	260	NR
	01/31/95		6.22	93.48	4.8	<0.5	2.2	4.1	950	NR
	05/11/95		6.86	92.84	3.1	6.0	1.8	6.5	750	NR
	07/27/95		6.96	92.74	4.0	6.0	2.6	6.5	750	NR
MW-3	07/15/93	101.28	9.23	92.05	<0.5	<0.5	<0.5	3.0	190	<100
	11/02/93		9.60	91.68	<0.5	0.5	2.6	6.0	170	NR
	02/01/94		9.20	92.08	<0.5	0.6	1.0	1.4	92	NR
	05/31/94		9.02	92.26	<0.5	<0.5	<0.5	1.0	<50	NR
	10/14/94		8.70	92.58	<0.5	0.7	1.0	1.9	130	NR
	01/31/95		7.35	93.93	<0.5	0.6	<0.5	<0.5	<50	NR
	05/11/95		8.52	92.76	<0.5	<0.5	<0.5	<0.5	<50	NR
	07/27/95		8.43	92.85	<0.5	<0.5	0.6	0.7	93	NR

Notes for Table 2

Data provided by SES

- µg/L      micrograms per Liter, or parts per billion
- TPHD     Total petroleum hydrocarbons as diesel
- TPHG     Total petroleum hydrocarbons as gasoline
- <0.5     Not detected at or below laboratory detection limit of 0.5 µg/L
- TOC      Top of casing
- ft        Feet
- gal       Gallons

cont. Table 3 4  
Analytical Results Summary

ELS Properties - 527 23rd Avenue  
Oakland, CA

January 24, 1996

Analyte/unit	Reporting Limit	Sample # MW 1	Sample # MW 2	Sample # MW 3
TPH-G (mg/l)	0.05	N.D.	1.0	0.05
Benzene (μ/l)	0.5	N.D.	3.0	N.D.
Toluene (μ/l)	0.5	N.D.	N.D.	N.D.
Ethylbenzene (μ/l)	0.5	N.D.	5.5	N.D.
Xylenes (μ/l)	0.5	N.D.	7.7	0.6

Notes:

N.D. = Not detected at or below the laboratory reporting limits

mg/l = milligrams per liter

μ/l = micrograms per liter

TPH-G = Total Petroleum Hydrocarbons as Gasoline

TABLE 3  
SUMMARY OF SOIL ANALYTICAL DATA

Sample Number	Sample Date	Sample Depth (ft)	TPHG (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Total Xylenes (mg/kg)
MW1-1	6/29/93	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW2-1	6/29/93	4 1/2	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW2-2	6/29/93	10 1/2	12.82	0.0871	0.4300	0.7587	1.403
MW2-3	6/29/93	14	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW3-1	6/30/93	5	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
MW3-2	6/30/93	10	<0.05	<0.0005	<0.0005	<0.0005	<0.0005

Notes for Table 3

mg/kg milligrams per kilogram, or parts per million  
TPHD Total petroleum hydrocarbons as diesel  
TPHG Total petroleum hydrocarbons as gasoline  
<0.0005 Not detected at or below laboratory detection limit of 0.0005 mg/kg

# Log of Exploratory Boring

DATE DRILLED: June 29, 1993      BORING NO.: MW-1  
 BORING DIAMETER: 8 inches      DEPTH TO GROUNDWATER: 8 ft  
 PROJECT NUMBER: NJL-4084-01      LOGGED BY: N. Nack  
 PROJECT NAME: Exchange Linen Service

Blows Per Foot	Sample Number	Depth (ft)	U.S.C.S. Soil Group	SOIL DESCRIPTION	OVM (ppm)	Water Level
		0		4 inches concrete (sidewalk)		
		1		CLAY, black, ≈ 20 % silt, trace sand, highly plastic, stiff, moist		
		2	CH			
		3				
		4				
17	1-1	5	CH/CL	SILTY CLAY, dark olive brown, 20-30% silt, 10-15% fine sand, trace coarse sand, highly plastic, medium stiff, moist	0	
		6				
		7				
		8				▽ 7/9/93 ▽
		9				
6		10	GC	CLAYEY GRAVEL, brown, 20-30% fines, ≈20% coarse sand, gravel is subangular 1/2", loose, wet	0	
		11				
8		12	SC	CLAYEY SAND, brown, ≈20% silt, medium dense, very moist	0	
		13				
		14	CL	SANDY CLAY, brown, 30-40% medium sand, 10-20% silt, moderate plasticity, stiff, moist		
		15				
9		16	SC	CLAYEY SAND, light brown, 40-50% clay, medium dense, saturated	0.3	
		17	CH	SANDY CLAY, light olive brown, ≈30% sand, medium stiff, moist		
11		18		Bottom of boring: 17 1/2 feet Groundwater encountered at 8 1/2 feet		
		19				
		20				



Earth Systems Environmental

Reviewed by R.G./C.E.G. *[Signature]*

Figure No. A2



# Log of Exploratory Boring

DATE DRILLED: <u>June 29, 1993</u>	BORING NO.: <u>MW-2</u>
BORING DIAMETER: <u>8 inches</u>	DEPTH TO GROUNDWATER: <u>8 ft</u>
PROJECT NUMBER: <u>NJL-4084-01</u>	LOGGED BY: <u>N. Nack</u>
PROJECT NAME: <u>Exchange Linen Service</u>	

Blows Per Foot	Sample Number	Depth (ft)	U.S.C.S. Soil Group	SOIL DESCRIPTION	OVM (ppm)	Water Level
		0		4 inches concrete (sidewalk)		
		1		FILL, clay, mottled very dark gray and greenish gray, ≈30% silt, ≈10% fine sand, moderate to high plasticity, soft, moist		
		2				
		3	CL			
		4				
5	2-1	5			13	
		6				
		7				
		8				
		9				
25	2-2	10	CH/CL	SANDY CLAY, dark olive brown, ≈20% fine sand, 5 - >10% subangular gravel ≤1", stiff, moist, porous with free water in pore spaces	29	▼ 7/9/93
		11				
		12	CL	SILTY CLAY, yellowish brown, 20-30% silt, soft, very moist		
		13				
		14				
11		15			1	
		16	CL	SANDY CLAY, light olive brown, ≈20% fine sand, 15-20% silt, medium stiff, moist		
		17				
		18				
		19	SP	SAND, brown, ≈20% medium subrounded gravel ≤1", dense, saturated		
14		20	CH	CLAY, gray, trace coarse sand, highly plastic, stiff, moist	0	



**Earth Systems Environmental**

Reviewed by R.G./C.E.G. *[Signature]*

Figure No. A3

# Log of Exploratory Boring

DATE DRILLED: June 29, 1993 BORING NO.: MW-2  
 BORING DIAMETER: 8 inches DEPTH TO GROUNDWATER: \_\_\_\_\_  
 PROJECT NUMBER: NJL-4084-01 LOGGED BY: N. Nack  
 PROJECT NAME: Exchange Linen Service

Blows Per Foot	Sample Number	Depth (ft)	U.S.C.S. Soil Group	SOIL DESCRIPTION	OVM (ppm)	Water Level	
14		20	SP CH	CLAY, gray, trace coarse sand, highly plastic, stiff, moist			
		21		Bottom of boring: 20 1/2 feet Groundwater encountered: 8 feet			
		22					
		23					
		24					
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					
		33					
		34					
		35					
		36					
		37					
		38					
		39					
40							



Earth Systems Environmental

Reviewed by R.G./C.E.G. *[Signature]* Figure No. A4

# Log of Exploratory Boring

DATE DRILLED: June 30, 1993

BORING NO.: MW-3



BORING DIAMETER: 8 inches

DEPTH TO GROUNDWATER: 8 ft

PROJECT NUMBER: NJL-4084-01

LOGGED BY: N. Nack

PROJECT NAME: Exchange Linen Service

Blows Per Foot	Sample Number	Depth (ft)	U.S.C.S. Soil Group	SOIL DESCRIPTION	OVM (ppm)	Water Level
		0		4 inches concrete (foundation)		
		1	CH	CLAY, black, ≈ 20 % silt, trace sand, highly plastic, stiff, moist  -brick piece ≈ 2 ft		
		2				
		3				
		4				
24	3-1	5				
		6	CH	SANDY CLAY, dark olive brown, 10-20% silt, ≈5% fine sand, moist, high plasticity, pore spaces, Iron staining, medium stiff	0	 7/9/93
		7				
		8				
		9	CL	SILTY CLAY, light brown, 15-20% silt, 10-15% sand, 10-15 % subrounded gravel ≤ 1 1/2", moderate plasticity, porous, soft, moist, free water in pore space		
		10				
19	3-2	11	GC	CLAYEY GRAVEL, black to gray, 10-20% clay, 15-20% sand, gravel subangular, ≤2", porous, dense, moist, free water in pore spaces		
		12				
		13				
		14	CL	SILTY CLAY, light brown, 30-40% silt, 5-10% fine sand, medium stiff, very moist		
		15				
13		16	SC	CLAYEY SAND, light brown, ≈15% clay, medium dense, very moist  -increasing clay	0	
		17				
11		18				
		19	CL	SANDY CLAY, light grayish brown, 20-30% silt, ≈20% fine sand, moderately plastic, medium stiff, saturated		
		20				
					3	



Earth Systems Environmental


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Figure No. A5

# Log of Exploratory Boring

DATE DRILLED: June 30, 1993 BORING NO.: MW-3  
 BORING DIAMETER: 8 inches DEPTH TO GROUNDWATER: \_\_\_\_\_  
 PROJECT NUMBER: NJL-4084-01 LOGGED BY: N. Nack  
 PROJECT NAME: Exchange Linen Service

Blows Per Foot	Sample Number	Depth (ft)	U.S.C.S. Soil Group	SOIL DESCRIPTION	OVM (ppm)	Water Level
		20	CL	SANDY CLAY, as above	3	
		21				
		22		Bottom of boring: 21 1/2 feet Groundwater encountered: 8 1/2 feet		
		23				
		24				
		25				
		26				
		27				
		28				
		29				
		30				
		31				
		32				
		33				
		34				
		35				
		36				
		37				
		38				
		39				
		40				



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Figure No. A6