

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

February 14, 1995

ALAMEDA COUNTY CC4580  
DEPT. OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIV.  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577

Mr. Scott P. Barde  
Owens Financial Group, Inc.  
2221 Olympic Boulevard  
Walnut Creek, CA 94595

RE: CLOSURE OF UNDERGROUND STORAGE TANK AT  
3623 Adeline Street, Emeryville, California 94608

Dear Mr. Barde:

Thank you for the submittal of the Tank Removal Activity Report documenting the results of the soil sampling analyses following the November 1, 1994 closure of an underground fuel storage tank at the referenced site. Following review of this report, this department is satisfied that the former 8000 gallon underground storage tank has been closed in full compliance with the requirements of Title 23, California Code of Regulations.

The referenced report documents that no apparent and/or significant release of fuel from the former tank has occurred at the site. Therefore, no further investigation or cleanup actions are required. Please be aware that further work may be required if conditions change or a water quality threat is discovered at the subject site.

Please contact me at (510) 567-6780 if you have any questions concerning this letter.

Sincerely,

A handwritten signature in cursive script that reads "Susan L. Hugo".

Susan L. Hugo  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Director, Environmental Health  
Edgar B. Howell, Chief, Environmental Protection Div.- files  
Kevin Graves, San Francisco Bay RWQCB  
Rhonda Reames-Kiper, Semco, 1741 Leslie Street  
San Mateo, California 94402



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**

February 13, 1997

Mr. Scott Barde  
Owens Mortgage Investment Fund  
2221 Olympic Blvd.  
Walnut Creek, California 94595

**RE: STID # 5305 - Owens Financial Group Property located at  
3623 Adeline Street, Emeryville, California 94608**

Dear Mr. Barde:

This letter confirms the completion of a 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 Section 2721 (e) of Title 23 of the California Code of Regulations.

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

Sincerely,

Mee Ling Tung, Director

Enclosure

c: Gordon Coleman, Acting Chief, Environmental Protection / SH / files  
Kevin Graves, RWQCB  
Lori Casias, SWRCB (with enclosure)  
Daniel Carroll, Kleinfelder, 7133 Koll Center Parkway, Suite 100, Pleasanton, CA 94566

CASE CLOSURE SUMMARY  
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: October 10, 1996

Agency Name: Alameda County-HazMat Address: 1131 Harbor Bay Parkway  
City/State/ Zip: Alameda, CA 94502 Phone: (510) 567-6700  
Responsible Staff Person: Susan L. Hugo Title: Senior Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Owens Financial Group Property  
Site Facility Address: 3623 Adeline Street, Emeryville, CA 94608  
RB LUSTIS Case No. : N/A Local Case No./ LOP Case No. 5305  
URF Filing Date: 10/19/95 SWEEPS No.: N/A

Responsible Parties: Addresses: Phone Numbers:  
Owens Mortgage Investment Fund 2221 Olympic Blvd. (510) 935-3840  
c/o Mr. Scott Barde Walnut Creek, CA 94595

Tank No: Size in gal Contents: Closed in-place or removed?: Date:  
1 2,500 Diesel/heating oil Removed 8/31/95

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Tank leaked; hole found at the bottom of the north end.  
Site characterization complete: YES  
Date approved by oversight agency: 11/95  
Monitoring wells installed ? YES Number: One (1)  
Proper screened interval ? YES ( 5 to 25 feet bgs )  
Highest GW depth below ground surface: 10.38 ft. Lowest depth: 11.23 ft  
Flow direction: Assumed to the west southwest based on regional groundwater flow direction  
Most sensitive current use: Commercial / Light Industrial  
Are drinking water wells affected ? NO Aquifer Name: NA  
Is surface water affected ? NO Nearest affected SW name: NA  
Off-site beneficial use impacts (address / location): Unknown  
Report (s) on file ? YES  
Where is report (s) filed ? Alameda County, 1131 Harbor Bay Parkway, Alameda, CA 94502

Treatment and Disposal of Affected Materials:

Materials	Amount (Include Units)	Action (Treatment / or Disposal w/ Destination)	Date
Tank	One 2500 gallon	Disposed at Erickson, Richmond, CA	8/31/95
Product/water	2500 gallons	Disposed at Evergreen, Newark, CA	8/18/95
Soil	54.34 tons	Remco, Richmond, CA	9/1/95

## Leaking Underground Fuel Storage Tank Program

### III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Contaminant	Soil (ppm)		Water (ppb)	
	*Before	**After	Before	****After
	TPH Diesel	440	21,000	{15,000}
TPH Gasoline	-	-	-	1,000
TPH Bunker Oil	-	(55)	*** nd	600
TPH Kerosene	-	-	*** nd	1,000
Benzene	0.011	0.081	[28]	nd
Toluene	0.023	0.80	[20]	0.2
Ethyl Benzene	0.016	(0.36)	[65]	0.6
Xylene	0.11	(1.30)	<20>	2.4
PAH's	-	-	-	nd

(Soil sample collected from boring EW-1 at 15' bgs, see Table 1)

\* Soil sampled collected at 9' bgs (north end) after the UST's removal on 8/31/95.

\*\* Confirmation soil samples collected at 7' to 9' bgs after limited overexcavation on 9/5/95.

\*\*\* Initial groundwater sample collected from well EW-1.

\*\*\*\* Groundwater sample collected from well EW-1 during the last sampling event (3/96).

{Grab water sample collected from boring B-1, see Table 2}

[Grab water sample collected from boring B-6, see Table 2]

<Grab water sample collected from boring B-5, see Table 2>

#### Comments (Depths of Remediation, etc.)

A 2,500 gallon underground storage tank (UST) was removed on August 31, 1995 from the subject site. Prior to the UST's removal, a Preliminary Site Assessment was performed in July 1994. It was reported that the former UST stored heating fuel (kerosene or diesel) and was installed sometime between 1906 and 1912. Soil samples collected following the UST's removal indicated the presence of petroleum hydrocarbon contamination [see table listed above - soil (ppm) before cleanup]. Due to physical constraint, ( former tank was inside the building) limited overexcavation was performed around the tank pit. Verification soil samples showed higher concentration of petroleum hydrocarbons in the soil as shown in the above table [ soil (ppm) after clean up]. Approximately 54 tons of soil was excavated and disposed at Remco for recycling.

Soil and groundwater investigation was conducted on November 1995. One soil boring (EW-1) was advanced to a depth of 15 feet bgs within ten feet downgradient of the former UST. EW-1 was proposed as a monitoring well but separate phase was found during the drilling. Further site investigation was conducted on December 1995. Boring EW-1 was redrilled from 18 feet to 25

## Leaking Underground Fuel Storage Tank Program

feet bgs. and converted to a 6" extraction well. In addition, six soil borings (B-1 to B-6) were advanced ( see Figure 2) to define the limits of the contamination. Soil samples were collected from the borings at five feet interval and found non detect to low levels of petroleum hydrocarbon contamination (see Table 1). The grab water samples collected from the borings B-1, B-3, B-5, and B-6) and the monitoring well (EW-1) indicated the presence of dissolved petroleum hydrocarbon at concentrations listed in Table 2. Groundwater did not accumulate in boring B-2.

Monitoring well EW-1 was resampled in March 1996 and found 1000 ppb TPH gasoline, 2800 ppb TPH diesel, 600 ppb TPH bunker oil, 1000 ppb TPH kerosene, 7.2 ppb toluene, 0.6 ppb ethyl benzene and ppb xylenes. Benzene and PAH's were not detected in the groundwater sample during this second round of sampling. In addition, free product was not detected in the well.

### 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 health and safety plan must be submitted to this agency (ACDEH) for review and approval prior to any excavation or trenching work which could potentially expose future construction workers or the public to residual contamination left in place. A notice must be placed on the deed regarding the presence of residual contamination at the site.

Should corrective action be reviewed if land use changes ?    YES

Monitoring wells Decommissioned : No, waiting for RWQCB signoff

Number Decommissioned:    None                      Number Retained:    One (1)

List enforcement actions taken:    NA

List enforcement actions rescinded:    NA

### V. LOCAL AGENCY REPRESENTATIVE DATA

Name:    Susan L. Hugo

Title: Senior Hazardous Materials Specialist

Signature: *Susan L. Hugo*

Date: 11/13/96

Leaking Underground Fuel Storage Tank Program

Reviewed by

Name: Eva Chu

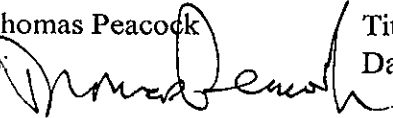
Title: Hazardous Materials Specialist

Signature: 

Date: 11/15/96

Name: Thomas Peacock

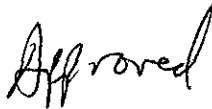
Title: Manager, LOP Program

Signature: 

Date: 11-14-96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 11/15/96

RB Response: 

RWQCB Staff Name: Kevin Graves

Title: Water Resources Control Engineer

Signature: 

Date: 12-18-96

VII. ADDITIONAL COMMENTS, DATA, ETC.

The rationale for recommending case closure for the subject site are as follows:

- 1) Aggressive source removal has occurred at the site. The leaking tank was removed in August 1995. Limited overexcavation was conducted around the former tank area inside the building in September 1995. Monitoring well EW-1 was installed within 10 feet of the former UST in the inferred downgradient direction. This well did not contain separate phase petroleum product during development, and product was not present during the 12/95 and 3/96 sampling events. The residual soil contamination (21,000 ppm TPH diesel) collected from the bottom of the excavation at 9 feet bgs. can not be excavated due to physical constraints ( limited heavy equipment that can enter the building). It appears that the hot spot was from the spillage of some product in the pipings during removal of the UST. The source area and ongoing sources have been removed to the extent feasible.
- 2) The site has been adequately characterized. The residual soil contamination appeared to be limited in the former tank area ( see Figure 3). No soil samples (collected from the 6 borings) were found to contain petroleum hydrocarbons above 100 ppm and only 2 of the 15 soil samples contained benzene at 8.5 ppb and 27 ppb.

Leaking Underground Fuel Storage Tank Program

Reviewed by

Name: Eva Chu

Title: Hazardous Materials Specialist

Signature: 

Date: 11/15/96

Name: Thomas Peacock

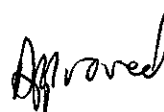
Title: Manager, LOP Program

Signature: 

Date: 11-14-96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 11/15/96

RB Response: 

RWQCB Staff Name: Kevin Graves

Title: Water Resources Control Engineer

Signature: 

Date: 1/13/97

VII. ADDITIONAL COMMENTS, DATA, ETC

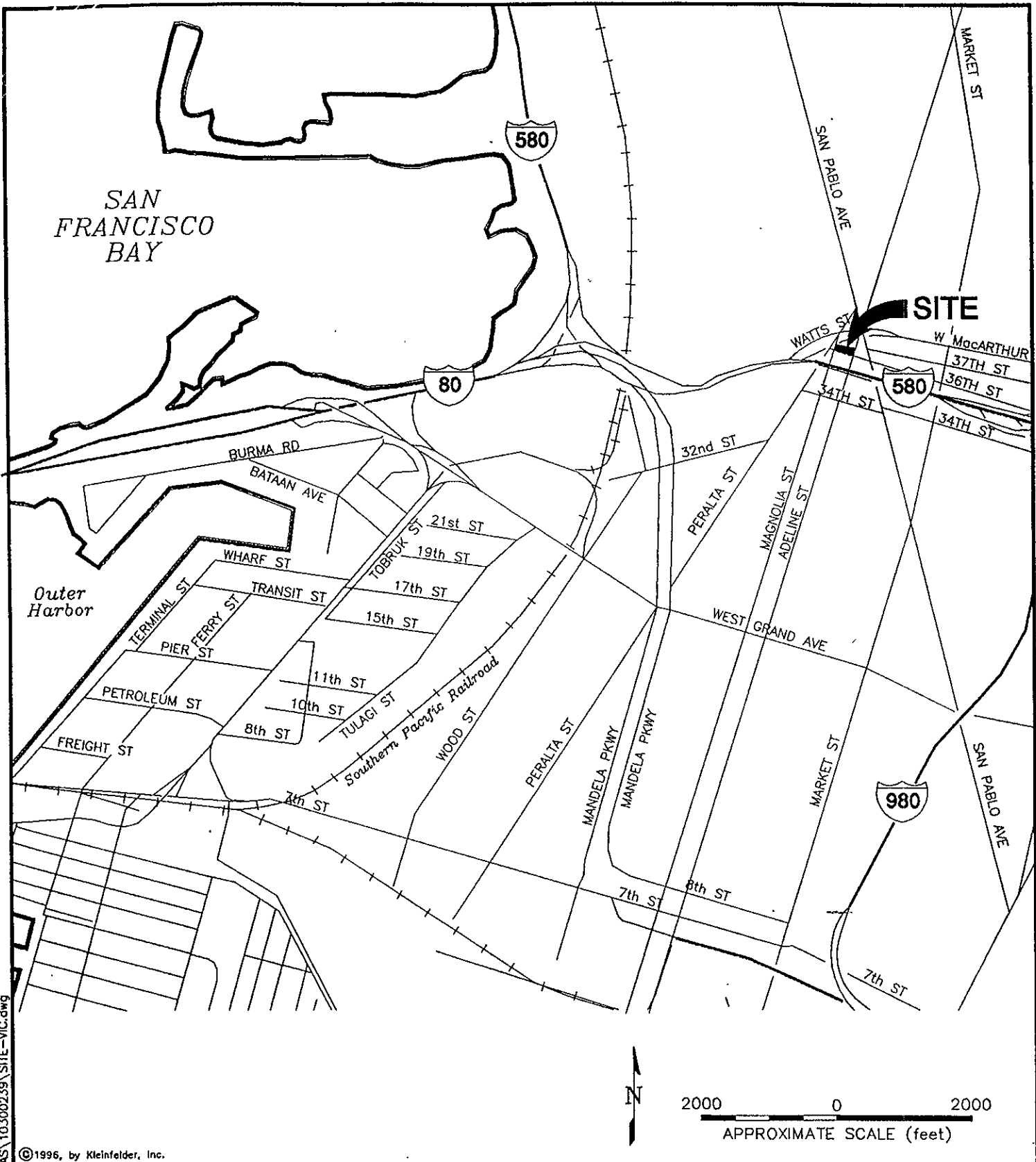
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- 2) The site has been adequately characterized. The residual soil contamination appeared to be limited in the former tank area ( see Figure 3). No soil samples (collected from the 6 borings) were found to contain petroleum hydrocarbons above 100 ppm and only 2 of the 15 soil samples contained benzene at 8.5 ppb and 27 ppb.

## Leaking Underground Fuel Storage Tank Program

- 3) The dissolved petroleum hydrocarbon plume appears to be stable based on the following criteria: the age of the tank (over 50 years based on Sanborn Fire Insurance Maps of 1906 and 1912); the type of soil in the area (stiff clay to bay mud); the petroleum hydrocarbon release from the former UST occurred decades ago and the low levels of dissolved petroleum hydrocarbons detected during the two rounds of groundwater sampling.
- 4) Benzene (28 ppb) was detected in the grab water sample collected from boring B-6 drilled along the sidewalk on 36 th Street. However, monitoring well EW-1 found no benzene and PAH's during the last sampling event.
- 5) The site does not appear to present a significant risk to human health and the environment. Potential pathways of exposure to the residual soil contamination related to ingestion, dermal contact or inhalation of vapors are not possible because the predominant soil contamination was identified between 7' to 9' bgs in the former tank area which was backfilled with clean fill and will be covered / paved with concrete slab.





CAD FILE: D:\-KA\_PROJ\PLEAS\10300239\SITE-VIC.dwg

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**SITE LOCATION MAP**

DATE  
**FIGURE**  
**1**

OWENS FINANCIAL  
3623 ADELINE STREET  
EMERYVILLE, CALIFORNIA

DRAFTED BY: L. Sue      DATE: 1-10-96  
CHECKED BY: A. Gibbs      DATE: 1-24-96

PROJECT NO. 10-300239-001

**LEGEND**

- FENCE
  - ☒ SUPPORT BEAM
  - UNDERGROUND STORAGE TANK  
EXCAVATION
  - ⊕ MONITORING WELL  
(approximate)
  - SOIL BORING  
(approximate)
  - ↙ ASSUMED GROUNDWATER  
GRADIENT
- mg/Kg MILLIGRAMS PER KILOGRAM  
 mg/L MILLIGRAMS PER LITER  
 NT NOT TESTED  
 ND NOT DETECTED

B-4	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	1.1
10 ft	ND
15 ft	1.9
GROUNDWATER (mg/L)	
ND	

B-2	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	NT
10 ft	NT
15 ft	ND
GROUNDWATER (mg/L)	
NO SAMPLE	

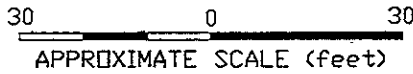
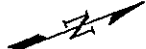
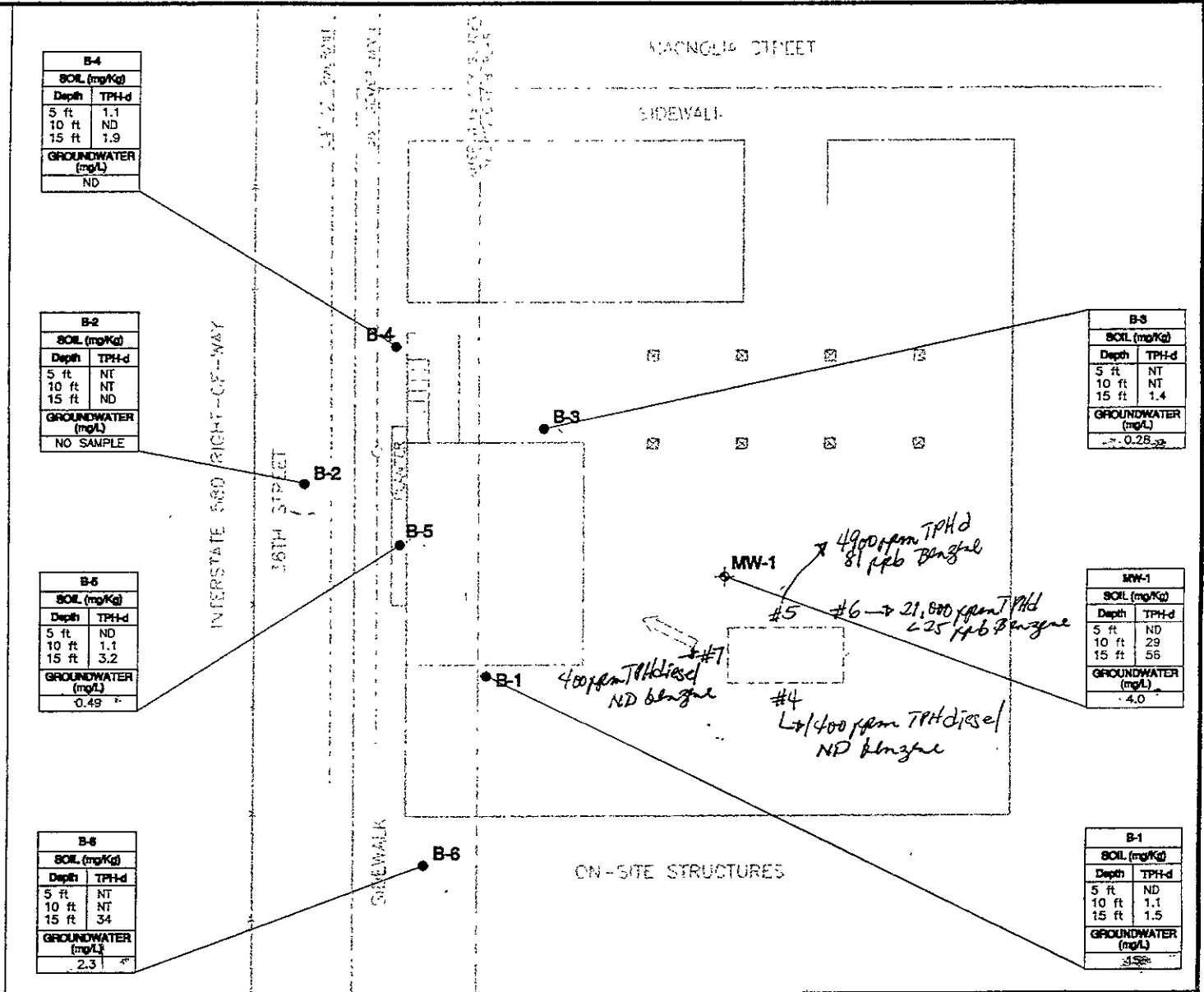
B-5	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	ND
10 ft	1.1
15 ft	3.2
GROUNDWATER (mg/L)	
0.49	

B-6	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	NT
10 ft	NT
15 ft	34
GROUNDWATER (mg/L)	
2.31	

B-3	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	NT
10 ft	NT
15 ft	1.4
GROUNDWATER (mg/L)	
0.28	

MW-1	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	ND
10 ft	29
15 ft	56
GROUNDWATER (mg/L)	
4.0	

B-1	
SOIL (mg/Kg)	
Depth	TPH-d
5 ft	ND
10 ft	1.1
15 ft	1.5
GROUNDWATER (mg/L)	
1.5	



**KLEINFELDER**

**TOTAL PETROLEUM HYDROCARBONS AS DIESEL (TPH-D) IN SOIL AND GROUNDWATER**

OWENS FINANCIAL  
 3623 ADELIN STREET  
 EMERYVILLE, CALIFORNIA

PLATE  
**FIGURE**  
**3**

DRAFTED BY: L. Sue DATE: 1-10-96

CHECKED BY: A. Gibbs DATE: 1-29-96

PROJECT NO. 10-300739-001



Project Evens Financial		Boring No.  MW-1
Number 10-300239-001		
Total Depth 20.0 feet	Sheet 1 of 1	

## LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) <input checked="" type="checkbox"/> PID <input type="checkbox"/> FID	USCS	Description	Remarks	Well Construction
1		MODIFIED CAL.					CONCRETE		
2						CH	CLAY - dark brown, moist, soft, high plasticity, trace very fine sand, with silt; ESTIMATE 99% fines, <5% sand		
3									
4									
5	MW1-5		8	100		SM	SILTY SAND <sub>s</sub> - greenish gray, moist, medium dense, very fine grained, well graded; estimate 45% fines, 55% sand		
6	MW1-6		34	100			increasing sand content with depth; estimate 30% fines, 70% sand		
7									
8						CL	CLAY - greenish gray with dark green banding, moist, very stiff, low plasticity		
9	MW1-9		20	100					
10	MW1-9.5								
11									
12									
13									
14									
15	MW1-15		23	100			interbedded fine sand at 14.5 ft. 11-14-95		
16								Boring completed to 16 ft. on 11-14-95; boring redrilled on 12-6-95 to 25 ft.	
17									
18							plasticity increases to medium; trace angular, pea-sized gravel		
19									
20									
21									
22									
23									
24									
25									
26								Boring completed to 25 ft. as 6 in. $\emptyset$ well; no Christy box; left for completion as vaulted extraction well.	
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									

Designated Purpose(s) of Log  
Site Characterization

Logged by R. Conery/T. Davis	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	

Note: Logs are to be used only for designated purpose(s).  
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### LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) <input checked="" type="checkbox"/> PID <input type="checkbox"/> FD	USCS	Description	Remarks	Well Construction
1		GEOPROBE	NA		NA		CONCRETE		
2						CL	SILTY CLAY - brown, moist, soft, low plasticity, trace sand; estimate > 95% fines, >5% sand		
3									
4	B1-5			100					
5			CL		CLAY - bluish gray, stiff, low plasticity; estimate >95% fines, >5% sand				
6									
7									
8									
9	B1-10			100					
10			CL		CLAY - bluish brown, stiff, medium soft, low plasticity, trace sand; estimate >95% fines, >5% sand				
11									
12									
13									
14	B1-15			100				slight odor	
15			CL		CLAY - bluish gray, soft, medium plasticity; estimate 100% fines 12-8-95 $\nabla$				
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									

Designated Purpose(s) of Log  
Site Characterization

Logged by S.T. Davis	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	

Note: Logs are to be used only for designated purpose(s).



Project Owens Financial		Boring No.  B-2
Number 10-300239-001		
Total Depth 20.0 feet	Sheet 1 of 1	

## LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/foot	Recovery (%)	OVA (ppm)		USCS	Description	Remarks	Well Construction
					<input checked="" type="checkbox"/> PID	<input type="checkbox"/> FD				
1	B2-15	GEOPROBE	NA	100	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CL	ASPHALT and roadbase		
2								CLAY - bluish gray to 13 ft.		
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20				NFWE						
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										

Designated Purpose(s) of Log
Site Characterization

Note: Logs are to be used only for designated purpose(s).  
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Logged by R. Conery	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	

### LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm)		USCS	Description	Remarks	Well Construction		
					<input checked="" type="checkbox"/> PD	<input type="checkbox"/> FD						
1	B3-15	GEOPROBE	NA	100	NA							
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14					ML						SILTY CLAY - brown, moist, stiff, gravelly seams; estimate >95% fines, <5% sand, <5% gravel	
15					SC						CLAYEY SAND with GRAVEL - bluish gray, moist, stiff; estimate 35% fines, 55% sand, 10% gravel	
16												
17												
18												
19												
20												
21												
22												
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28												
29												
30												
31												
32												
33												
34												
35												
36												

Designated Purpose(s) of Log

Site Characterization

Note: Logs are to be used only for designated purpose(s).

Logged by  
R. Conery

Date  
12-6-95

Drafted by  
L. Sue

Date  
1-12-96

Reviewed by  
A. Gibbs

Date  
1-24-96

Plate

### LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	<input checked="" type="checkbox"/> PID <input type="checkbox"/> FID	OVA (ppm)	USCS	Description	Remarks	Well Construction
1	B4-5	GEOPROBE	NA	100			fill	CONCRETE		
2							fill	FILL - SILTY CLAY - brown, moist, soft, with fine sand		
3							CL	CLAY - bluish gray, moist, soft to medium stiff, medium plasticity, black speckling, trace gravel; estimate >95% fines, <5% sand, <5% gravel		
4	B4-10	GEOPROBE	NA	100			ML	SILT - yellowish brown, with rust red mottling, moist, stiff, very low plasticity, trace very fine sand, trace gravel; estimate >95% fines, <5% sand, <5% gravel		
5										
6										
7	B4-15	GEOPROBE	NA	100				at 9 ft., color changes to bluish gray; interbedded gravels		
8										
9										
10								at 12 ft., color change to brown		
11								at 13 ft., increasing plasticity, increasing softness, increasing moisture		
12										
13										
14										
15										
16									12-6-85	
17										
18										
19										
20										
21										
22										
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28										
29										
30										
31										
32										
33										
34										
35										
36										

Designated Purpose(s) of Log  
Site Characterization

Logged by R. Conery	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	

Note: Logs are to be used only for designated purpose(s).



Project Owens Financial		Boring No. B-5
Number 10-300239-001		
Total Depth 20.0 feet	Sheet 1 of 1	

LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) <input checked="" type="checkbox"/> PID <input type="checkbox"/> FID	USCS	Description	Remarks	Well Construction
1	B5-5	GEOPROBE	NA	100		fill	CLAY with SILT and SAND - moist, soft, organic particles (planter fill)		A
2						CL	SILTY CLAY - brown, with black speckling, moist, soft, medium plasticity, cemented nodules; estimate >95% fines, <5% sand		
7							at 7 ft., intrbedded angular gravel, approximately 6-in. thick		
9	B5-10			100					
13	B5-15			100		SC	SAND - blue gray, wet, soft, fine grained, with trace angular gravel; estimate 25% fines, 75% sand, <5% gravel to 0.25 in.		
14									
15							12-6-95		
16									
17									
18									
19									
20									
21									
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34									
35									
36									

Designated Purpose(s) of Log  
Site Characterization

Logged by R. Conery	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	

Note: Logs are to be used only for designated purpose(s).





Project Owens Financial		Boring No.  B-6
Number 10-300239-001		
Total Depth 20.0 feet	Sheet 1 of 1	

## LOG OF BORING

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	<input checked="" type="checkbox"/> PID <input type="checkbox"/> FID	OVA (ppm)	USCS	Description	Remarks	Well Construction	
1		GEOPROBE	NA					CONCRETE			
2								fill			BASE FILL
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14	B6-15										
15			100			CH	CLAY with SILT - bluish gray, moist, soft, medium to high plasticity, rust red streaks, black specks, trace very fine sand, trace gravel; estimate >95% fines, <5% sand, <5% gravel				
16											
17											
18											
19											
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31											
32											
33											
34											
35											
36											

Designated Purpose(s) of Log  
Site Characterization

Note: Logs are to be used only for designated purpose(s).  
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Logged by R. Conery	Date 12-6-95	Plate
Drafted by L. Sue	Date 1-12-96	
Reviewed by A. Gibbs	Date 1-24-96	



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

JOB NO: 95-424  
CLIENT: SEMCO  
PROJECT NAME: 95-4366  
OWENS FINANCIAL

DATE SAMPLED: 08-31-95  
DATE EXTRACTED: 09-01-95  
DATE ANALYZED: 09-01-95

BTXE RANGE ORGANICS BY  
EPA METHOD 8020/5030 AND 8015 M  
DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

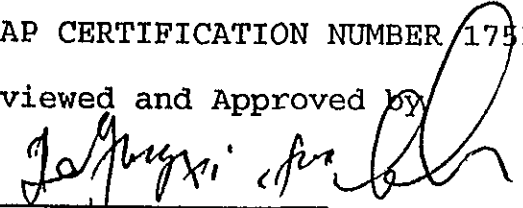
Sample No.	Client ID	Analyte	Result	
95-424-01	North End @ 9'	Benzene	11	ug/Kg
		Toluene	23	ug/Kg
		Ethylbenzene	16	ug/Kg
		Xylenes	110	ug/Kg
		Diesel	440	mg/Kg
95-424-03	South End @ 9'	Benzene	ND	
		Toluene	ND	
		Ethylbenzene	ND	
		Xylenes	ND	
		Diesel	ND	

Quality Control Quality Assurance Summary: Soil

Analyte	Method	Reporting		Blank	MS/MSD		
		limit			Recovery	RPD	
Benzene	8020	5 ug/Kg	5	ND	AVG	97%	10
Toluene	8020	5 ug/Kg	5	ND			
Ethylbenzene	8020	5 ug/Kg	5	ND			
Xylenes	8020	10 ug/Kg	10	ND			
Diesel	8015 M	1 mg/Kg	1	ND	AVG	82%	5

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by

  
John Murphy  
Laboratory Director



**North State Environmental**  
 Chemical Waste Disposal · Trucking · Consulting

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

JOB NO: 95-428  
 CLIENT: SEMCO  
 PROJECT NAME: 95-4366

DATE SAMPLED: 09-05-95  
 DATE EXTRACTED: 09-05-95  
 DATE ANALYZED: 09-05-95

OWENS FINANCIAL

BTXE RANGE ORGANICS BY  
 EPA METHOD 8020/5030 AND 8015 M  
 DIESEL RANGE HYDROCARBONS BY EPA METHOD 8015 M

Sample No.	Client ID	Analyte	Result
95-428-01	#4 EAST S.W. 7'	Benzene	ND<10 ug/Kg
		Toluene	21 ug/Kg
		Ethylbenzene	ND<10 ug/Kg
		Xylenes	62 ug/Kg
		Diesel	1400 mg/Kg
95-428-02	#5 WEST S.W. 7'	Benzene	81 ug/Kg
		Toluene	800 ug/Kg
		Ethylbenzene	170 ug/Kg
		Xylenes	1700 ug/Kg
		Diesel	4900 mg/Kg
95-428-03	#6 N.W.CENTER 9'	Benzene	ND<25 ug/Kg
		Toluene	180 ug/Kg
		Ethylbenzene	190 ug/Kg
		Xylenes	1700 ug/Kg
		Diesel	21000 mg/Kg
95-428-04	#7 Bottom Center 9'	Benzene	ND
		Toluene	10 ug/Kg
		Ethylbenzene	ND
		Xylenes	25 ug/Kg
		Diesel	400 mg/Kg

Quality Control Quality Assurance Summary: Soil

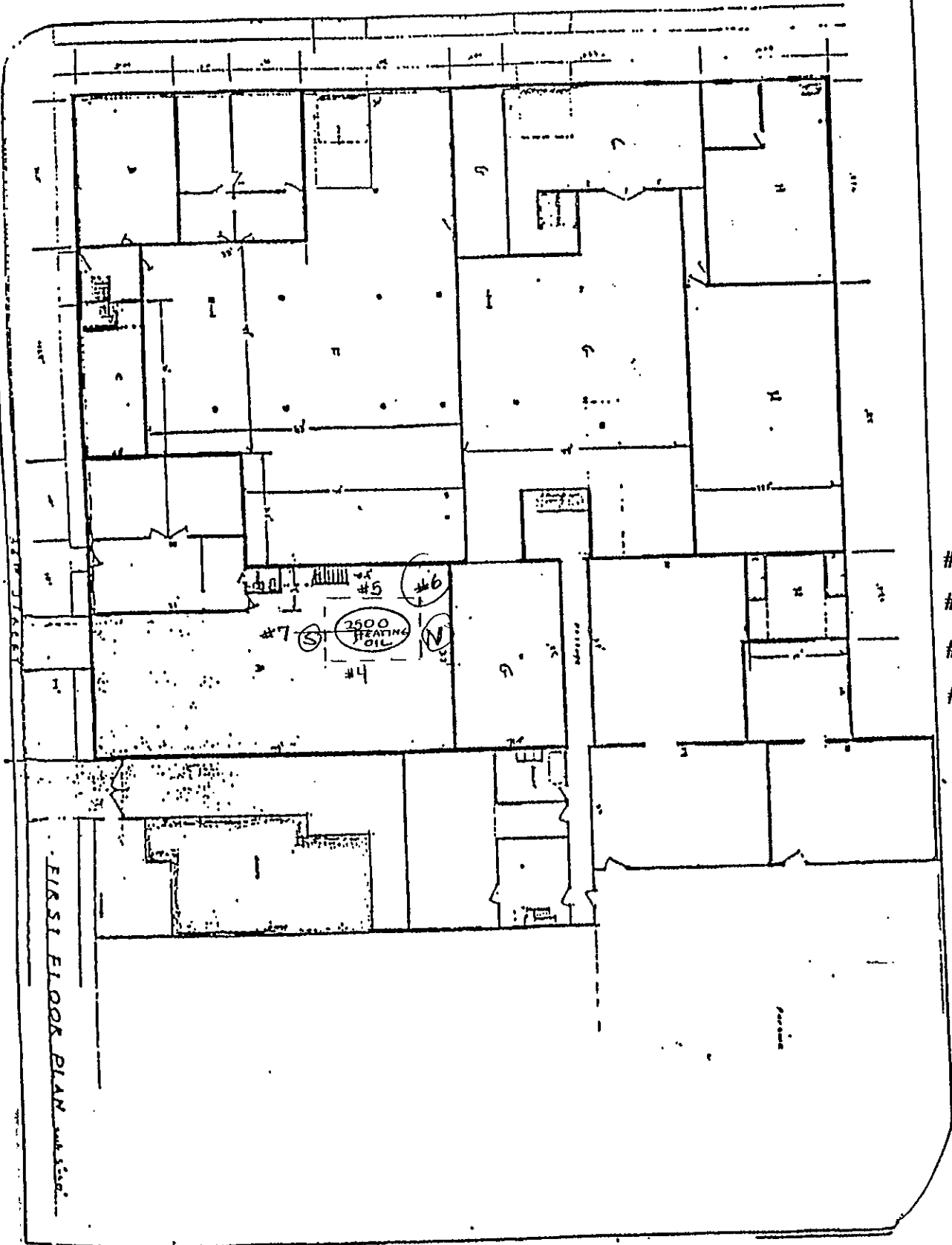
Analyte	Method	Reporting limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	5 ug/Kg	ND	AVG 93%	7
Toluene	8020	5 ug/Kg	ND		
Ethylbenzene	8020	5 ug/Kg	ND		
Xylenes	8020	10 ug/Kg	ND		
Diesel	8015 M	1 mg/Kg	ND	AVG 90%	5

ELAP CERTIFICATION NUMBER 1753

Reviewed and Approved by

  
 John Murphy

MAGNOLIA STREET



- #4-EAST SID @ 7'
- #5-WEST SID @ 7'
- #6-N.W. COR @ 9'
- #7-BOTTOM C @ 9'

N = North end @ 9'  
 S = South end @ 9'

FIRST STREET

ADELINE STREET

SEMCO  
 3623 ADELINE S  
 EMERYVILLE

TABLE 1  
SUMMARY OF SOIL ANALYTICAL RESULTS  
3623 Adeline Street/1168 36th Street, Emeryville, California

Boring No.	Sample Depth (ft bgs)	Sample Date	Petroleum Hydrocarbons (8015M)		Volatile Organics (8020)				Metals (3050)					RCI
			TPH-d (mg/kg)	TPH-o (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl- benzene (µg/kg)	Total Xylenes (µg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Zinc (mg/kg)	
EW-1	5.0	11/14/95	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-
	9.5	11/14/95	29	ND	ND	ND	ND	ND	-	-	-	-	-	-
	15.0	11/14/95	56 <sup>a</sup>	55	27	400	360	1300	-	-	-	-	-	-
B-1	5.0	12/6/95	ND	16	ND	ND	ND	ND	-	-	-	-	-	-
	10.0	12/6/95	1.1 <sup>b</sup>	ND	ND	ND	ND	ND	-	-	-	-	-	-
	15.0	12/6/95	1.5 <sup>c</sup>	ND	8.5	22	36	91	-	-	-	-	-	-
B-2	15.0	12/6/95	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-
B-3	15.0	12/6/95	1.4 <sup>d</sup>	ND	ND	ND	ND	ND	-	-	-	-	-	-
B-4	5.0	12/6/95	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-
	10.0	12/6/95	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-
	15.0	12/6/95	1.9	ND	ND	ND	ND	ND	-	-	-	-	-	-
B-5	5.0	12/6/95	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-
	10.0	12/6/95	1.1	ND	ND	ND	ND	ND	-	-	-	-	-	-
	15.0	12/6/95	3.2	ND	ND	ND	ND	ND	-	-	-	-	-	-
B-6	15.0	12/6/95	34 <sup>e</sup>	ND	ND	30	49	88	-	-	-	-	-	-
Drums	-	3/8/96	-	-	-	-	-	-	ND	36	10	45	8	ND

EXPLANATION

- ft bgs feet below ground surface.  
mg/kg milligrams per kilogram - parts per million.  
µg/kg micrograms per kilogram - parts per billion.  
- not tested.  
ND target analytes were not detected at or above the laboratory method reporting limit. See laboratory report for detection limits by analyte.  
TPH total petroleum hydrocarbons quantified as noted below.  
d = quantified as diesel  
o = quantified as bunker oil k = quantified as kerosene  
RCI reactivity, corrosivity, ignitability

NOTES

- a The sample appears to be a mixture of components which are both lighter and heavier than diesel. The hydrocarbon pattern representing the heavier fraction exhibits characteristics which are peculiar to fuel oil.  
b The result for the diesel range hydrocarbons is an unknown hydrocarbon consisting of a single peak.  
c The positive result appears to be a lighter hydrocarbon than diesel.  
d Laboratory reported the positive result as having an atypical pattern for diesel analysis.

**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
 3623 Adeline Street/1168 36th Street, Emeryville, California

Boring No.	Sample Date	Petroleum Hydrocarbons EPA 8015M				Volatile Organics EPA 8020				PAH's ( $\mu$ g/L)
		TPH-g (mg/L)	TPH-d (mg/L)	TPH-o (mg/L)	TPH-k (mg/L)	Benzene ( $\mu$ g/L)	Toluene ( $\mu$ g/L)	Ethylbenzene ( $\mu$ g/L)	Total Xylenes ( $\mu$ g/L)	
EW-1	12/21/95	--	4.0	ND	ND	0.7	9.2	0.8	3.8	--
	3/8/96	1.0 <sup>g</sup>	2.8	0.6 <sup>g</sup>	1.0 <sup>g</sup>	ND	7.2	0.6	2.4	ND
B-1	12/6/95	--	15 <sup>a</sup>	ND	--	13	ND	28	ND	--
B-3	12/6/95	--	0.28 <sup>a</sup>	ND	--	ND	ND	ND	1.5	--
B-4	12/6/95	--	ND	ND	--	ND	ND	ND	ND	--
B-5	12/6/95	--	0.49 <sup>a</sup>	ND	--	0.9	0.6	4.8	20 <sup>g</sup>	--
B-6	12/6/95	--	2.3 <sup>a</sup>	ND	--	28 <sup>g</sup>	20 <sup>g</sup>	65 <sup>g</sup>	11 <sup>g</sup>	--

**EXPLANATION**

ft bgs feet below ground surface.  
 mg/L milligrams per liter ~ parts per million.  
 $\mu$ g/L micrograms per liter ~ parts per billion.  
 -- not tested.  
 ND target analytes were not detected at or above the laboratory .  
 method reporting limit. See laboratory report for detection limits by analyte.  
 TPH total petroleum hydrocarbons quantified as noted below.  
 d = quantified as diesel          g = quantified as gasoline  
 o = quantified as bunker oil oil      k = quantified as kerosene  
 PAH's polynuclear aromatic hydrocarbons

**NOTES**

The above samples (excluding EW-1) are grab samples and were not sampled from monitoring wells .  
 No groundwater was recoverable from B-2.  
 The positive result appears to be a lighter hydrocarbon than diesel.

97 JAN -2 PM 2:14  
 ENVIRONMENTAL PROTECTION