HEALTH CARE SERVICES

AGENCY





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

June 16, 1997

Broadway Webster Medical Plaza c/o Mr. John Barnard 7677 Oakport Street, Suite 500 Oakland, California 94621

RE: STID # 3610 Broadway Webster Medical Plaza 3300 Webster Street, Oakland, California 94609

Dear Mr. Barnard:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks 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

c: Gordon Coleman, Chief, Environmental Protection Division

Kevin Graves, San Francisco Bay RWQCB

Lori Casias, SWRCB (with enclosure)

Dave Deaner, SWRCB, UST Cleanup Fund Program

Kimberly Brandt / Larry Lapuyade, LFR, 1900 Powell St., 12th Floor, Emeryville, CA 94608

Leroy Griffin, Oakland Fire Department

Susan Hugo (3 copies of letter only)

HEALTH CARE SERVICES







June 16, 1997

Broadway Webster Medical Plaza c/o Mr. John Barnard 7677 Oakport Street, Suite 500 Oakland, California 94621 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION (LOP) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

RE: Fuel Leak Site Case Closure - Broadway Webster Medical Plaza (STID # 3610)
3300 Webster Street, Oakland, California 94609

Dear Mr. Barnard:

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 Health Services, Local Oversight Program 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 exists at the site:

* Seven hundred parts per billion (ppb) Total Petroleum Hydrocarbon as Gasoline, 18 ppb benzene, 1 ppb toluene, 26 ppb ethylbenzene, 7 ppb xylene and 6 ppb MTBE remain in the groundwater beneath the former USTs under the sidewalk along Hawthorne Avenue.

If you have any questions, please contact me at (510) 567-6780. Thank you.

Sincerely,

Susan L. Hugo

Senior Hazardous Materials Specialist

Enclosures:

1. Case Closure Letter

Sucan X. Hugo

2. Case Closure Summary

cc: Gordon Coleman, Chief, Environmental Protection Division Leroy Griffin, Oakland Fire Department SH (3 copies of letter only)

HEALTH CARE SERVICES





DAVID J. KEARS, Agency Director

January 8, 1997

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

Broadway Webster Medical Plaza c/o Mr. John Barnard 7677 Oakport Street, Suite 500 Oakland, California 94621

RE: Case Closure - Broadway Webster Medical Plaza (STID# 3610)

3300 Webster Street, Oakland, California 94609

Dear Mr. Barnard:

This letter serves to clarify that the case closure for the subject site recommended by this agency to the Regional Water Quality Control Board (RWQCB) and approved by the RWQCB on 12/11/96 relates to the 100-gallon diesel underground storage tank (UST) removed on 9/1/87 and the two 500-gallon USTs reportedly removed in January 1974 from the site.

If you have any questions concerning this letter, please contact me at (510) 567-6780.

Sincerely,

Susan L. Hugo

Susan Z. Hugo

Senior Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health Kevin Graves, San Francisco Bay RWQCB Gordon Coleman, Acting Chief, Environmental Protection Division Kimberly Brandt, LFR, 1900 Powell Street, 12th Floor, Emeryville, CA 94608 SH / files January 8, 1997

Broadway Webster Medical Plaza c/o Mr. John Barnard 7677 Oakport Street, Suite 500 Oakland, California 94621

RE: Case Closure - Broadway Webster Medical Plaza (STID# 3610) 3300 Webster Street, Oakland, California 94609

Dear Mr. Barnard:

This letter serves to clarify that the case closure for the subject site recommended by this agency to the Regional Water Quality Control Board (RWQCB) and approved by the RWQCB on 12/11/96 relates to the 100-gallon diesel underground storage tank (UST) removed on 9/1/87 and the two 500-gallon USTs reportedly removed in January 1974 from the site.

If you have any questions concerning this letter, please contact me at (510) 567-6780.

Sincerely,

Susan L. Hugo Senior Hazardous Materials Specialist

Mee Ling Tung, Director, Environmental Health
 Kevin Graves, San Francisco Bay RWQCB
 Gordon Coleman, Acting Chief, Environmental Protection Division
 Kimberly Brandt, LFR, 1900 Powell Street, 12th Floor, Emeryville, CA 94608
 SH / files

HEALTH CARE SERVICES





DAVID J. KEARS, Agency Director

January 7, 1997

Broadway Webster Medical Plaza c/o Mr. John Barnard 7677 Oakport Street, Suite 500 Oakland, California 94621 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION (LOP) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

RE: Case Closure - Broadway Webster Medical Plaza (STID# 3610) 3300 Webster Street, Oakland, California 94609

Dear Mr. Barnard:

The Alameda County Department of Environmental Health, Environmental Protection Division has recently received concurrence from the Regional Water Quality Control Board regarding this office determination that no further action is required concerning the removal of a 100 gallon diesel underground storage tank at the above referenced site.

Please be advised that the four groundwater monitoring wells (LF-1, LF-2, LF-3 and LF-4) at the site must be properly decommissioned before our agency will issue the "Remedial Action Completion Certification" (closure letter) for the subject site. A report must be submitted documenting the abandonment of the monitoring wells. Additionally, you will need to notify this office 72 hours in advance of the well abandonment field activities.

If you have any questions concerning this letter, please contact me at (510) 567-6780.

Sincerely,

Susan L. Hugo

Susan Z. Hugo

Senior Hazardous Materials Specialist

Mee Ling Tung, Director, Environmental Health
 Kevin Graves, San Francisco Bay RWQCB
 Gordon Coleman, Acting Chief, Environmental Protection Division
 Kimberly Brandt, LFR, 1900 Powell Street, 12th Floor, Emeryville, CA 94608
 SH / files

January 7, 1997

Broadway Webster Medical Plaza c/o Mr. John Barnard 7677 Oakport Street, Suite 500 Oakland, California 94621

RE: Case Closure - Broadway Webster Medical Plaza (STID# 3610) 3300 Webster Street, Oakland, California 94609

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Susan L. Hugo Senior Hazardous Materials Specialist

Mee Ling Tung, Director, Environmental Health
 Kevin Graves, San Francisco Bay RWQCB
 Gordon Coleman, Acting Chief, Environmental Protection Division
 Kimberly Brandt, LFR, 1900 Powell Street, 12th Floor, Emeryville, CA 94608
 SH / files

CASY = OZ GY COMMAN WATER DEC 0 2 1996 KG CHIALITY CONTROL BOARD

CASE CLOSURE SUMMARY Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: November 19, 1996

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700

Responsible staff person: Susan Hugo Title: Sr Hazardous Materials Spec.

CASE INFORMATION II.

Site facility name: Broadway Medical Plaza

Site facility address: 3300 Webster Street, Oakland, CA 94609

Local Case No./LOP Case No.: 3610 RB LUSTIS Case No: N/A

URF filing date: 7/27/89 SWEEPS No: N/A

Responsible Parties:

Addresses:

Phone Numbers:

Broadway Webster Medical Plaza c/o John Barnard

7677 Oakport Street, Suite 500

Oakland, CA 94621

Tank No:	Size in gal.:	<u>Contents:</u>	<pre>Closed in-place or removed?:</pre>	<u>Date:</u>
1	100	Diesel	Removed	9/1/87

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown Site characterization complete? YES

Date approved by oversight agency: 3/30/89

Monitoring Wells installed? Yes Number: Proper screened interval? Yes, 25' to 34.5' bgs

Highest GW depth below ground surface: 19.78' Lowest depth: 21.93' in LF-2

Flow direction: South, southwest

Most sensitive current use: Medical center

Are drinking water wells affected? No Aquifer name: 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

Treatment and Disposal of Affected Material:

<u>Material</u>	Amount (include units)	Action (Treatment or Disposal w/destination)	<u>Date</u>
Tank	1 UST	Disposed as scrap at Levin Metals	9/2/87
Piping Rinsate	100 gallon	H & H, in San Francisco	9/1/87

Maximum Documented Contaminant	Contaminant Concentrate Soil (ppm) Before After	ions Before and Water (ppb) <u>Before Aft</u>	
TPH (Gas)	2,100	8,300 70	0
TPH (Diesel)	20	NA N	D
Benzene	1.5	ND	8
Toluene	1.3		1
Ethylbenzene	1.7		6
Xylenes	3.6		7
MTBE	NA		6
Oil & Grease Heavy metals Other Chlorober	2,200 nzene NA		D 1

NOTE: 1 soil sample collected from soil boring B-3, B-4, SB-11, or SB-15

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: 4
List enforcement actions taken: None
List enforcement actions rescinded: NA

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu

Title: Haz Mat Specialist

Signature: LUTA

Date: 11/26/96

Reviewed by

Name: Susan Hugo

Signature: Susu & Hugo

Name: Thomas Peacock

Signature: Mayor Seawork

VI. RWQCB NOTIFICATION

Date Submitted to RB: 11/27/96

RWQCB Staff NamA://Kevin Graves

Signature: /

Title: Sr. Haz Mat Specialist

Date: ///19/96

Title: Supervisor

Date: 11-25-96

RB Response: Approved

Title: AWRCE

Date: 12/11/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

The site was previously developed for a mixed residential and commercial use. An auto dealership with maintenance areas occupied part of the site from the 1940's until the construction of the present office building in 1974. A multi-level parking garage is located between the office spaces. (See Fig 1 and 2)

It is believed that two 500-gallon USTs were removed from the site in January 1974. These tanks may have been under the sidewalk of Hawthorne Avenue, immediately northwest of the present parking garage entrance. Its use/storage has not been documented, however, it was probably used for waste oil and gasoline. A third UST (100 gallon) for the storage of diesel fuel was removed in September 1987. This tank may have been located behind the parking garage, in an alley way. (See Fig 3). A soil sample was collected from below the 100-gallon UST after its removal. Up to 20 ppm TEH was identified.

In November 1988 seven borings (B-1 through B-7) were drilled to 15' to 20' bgs near the suspected locations of the former USTs. Petroleum hydrocarbons were identified in three of the borings (B-1, B-3, and B-4). Low levels of BTEX were identified in boring B-4. (See Fig 2 and Table 1)

A total of 11 borings (SB-7 through SB-16, and LF-4) were drilled between March and May 1989 to assess the lateral and vertical extent of soil and groundwater contamination. Four of the borings were converted into groundwater monitorings wells (LF-1 through LF-4). Elevated hydrocarbon

concentrations were identified in soil from borings SB-11/LF-2 and SB-15. Only well LF-2 contained detectable levels of TPH and benzene. (See Fig 4, 5, and 6, and Tables 1 and 2)

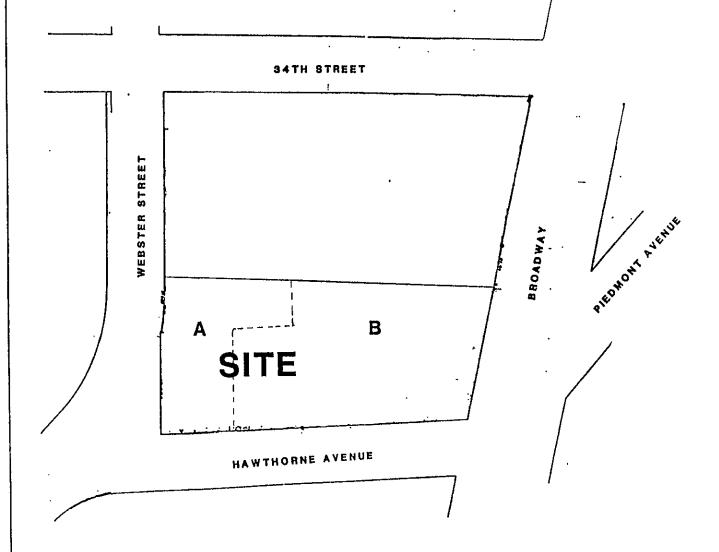
It appears soil contamination is limited to the vicinity of boring B-15. This is supported by soil samples collected from adjacent borings B-1, SB-14, SB-16, and LF-4, which did not contain detectable levels of petroleum hydrocarbons. In addition, utility lines in Hawthorne Avenue do not act as preferential pathways for the migration of contaminants based on the review of utility location maps.

Groundwater was sampled seven times, from March 1989 to November 1991, and one final time in October 1996. Well LF-2 continues to identify up to 700 ppb TPHg and 18 ppb benzene. Chlorobenzene has also been identified in well LF-2, but the levels (15 ppb) are below California MCLs for Drinking Water. The areal extent of groundwater contamination is also very limited because contaminants have not been detected in the cross-gradient well LF-3 and the downgradient well LF-4. (See Fig 7, Table 3 and 4).

Residual soil and groundwater contamination is located under the sidewalk of Hawthorne Avenue at ~7' to 15' bgs and ~21' bgs, respectively. There is no risk to human health or the environment. Continued monitoring is not warranted.

In summary, case closure is recommended because:

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



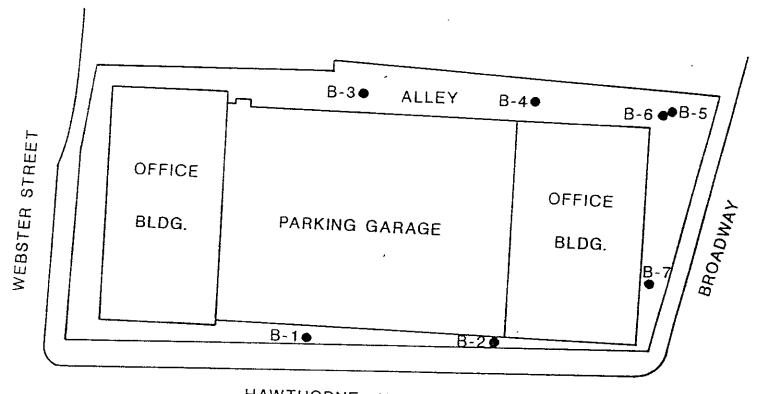


- A Portion of subject site which was used primarily for residential purposes.
- **B** Portion of subject site which was used primarily for auto dealership and auto service.

United States Testing Company

SITE MAP

Job No 306-1 Date 9-88 FIGURE

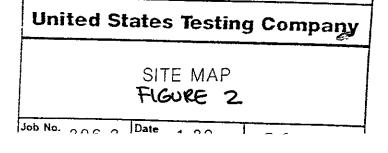


HAWTHORNE AVENUE

SCALE: 1.8" = 100'

• = BORING LOCATIONS





Broadway Webster Medical Plaza 3300 Webster Street Oakland, California

Webster Street Hospital (3300 Webster St.) Building Parking Garage ← 100 Gallon Diesel Tank Broadway

A6.3

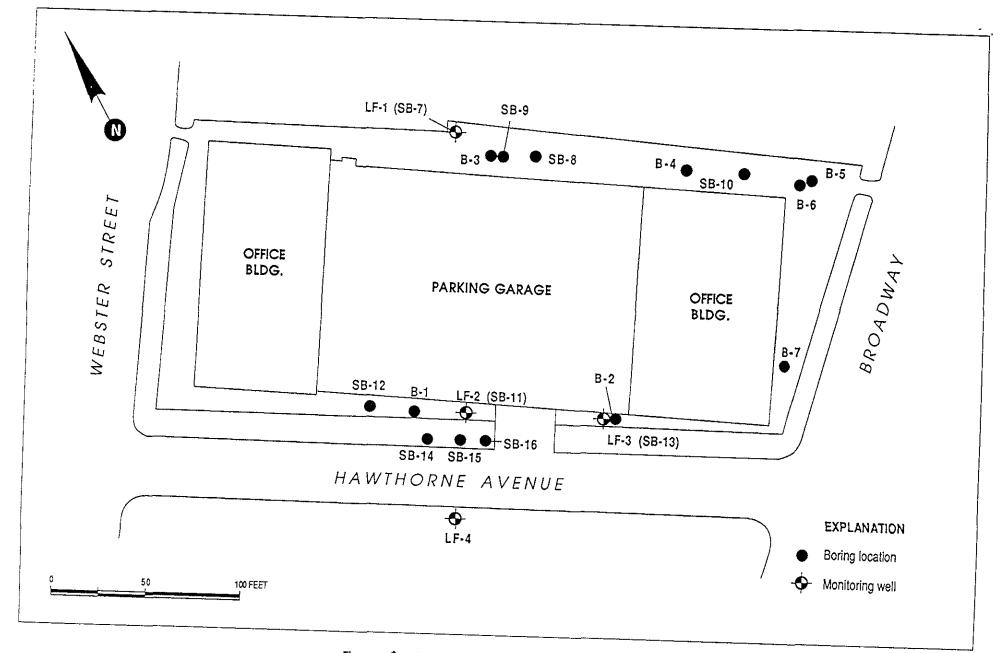


Figure 4: BASE MAP AND BORING LOCATIONS

LEVINE • FRICKE

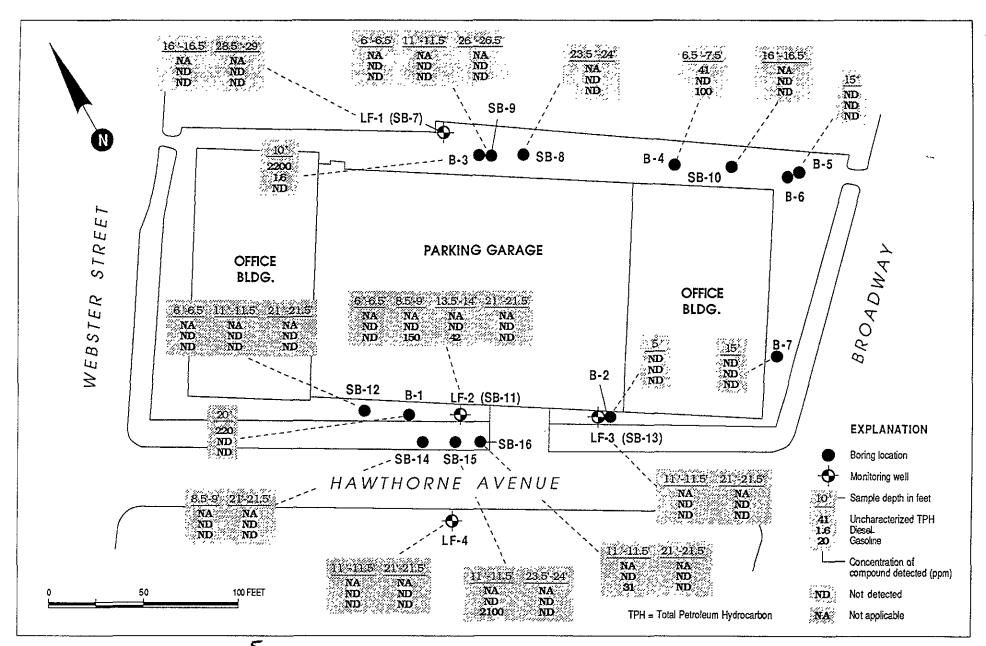


Figure 2: TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATIONS DETECTED IN SOILS

LEVINE • FRICKE
CONSULTING ENGINEERS AND HYDROGEOLOGISTS

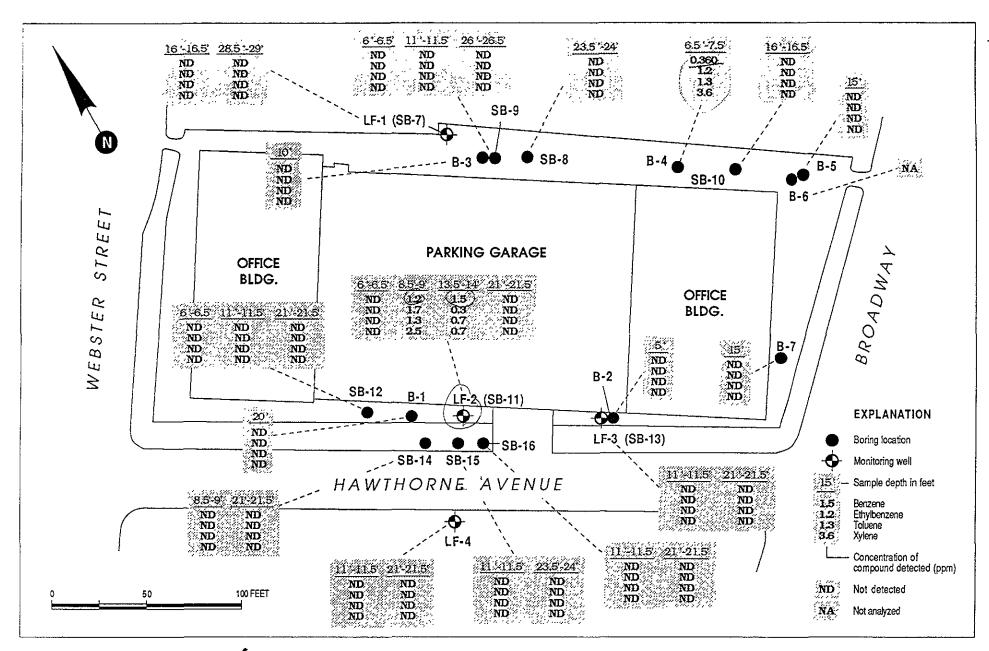


Figure 6: BENZENE, ETHYLBENZENE, TOLUENE AND XYLENE CONCENTRATIONS DETECTED IN SOILS

LEVINE • FRICKE CONSULTING ENGINEERS AND HYDROGEOLOGISTS

Figure : GROUNDWATER ELEVATIONS, SEPTEMBER 18, 1996

TABLE 1

SOIL ANALYSES SUMMARY
(Concentrations expressed in ppm)

Boring							Total Petrol	eum Hydrocarbons
Depth Interval	Laboratory Analysis	Lab	Benzene	Toluene	Ethylbenzene	Xylene	Concentration	Characterization
(feet)			_		·			Ł
======= 3-1	=======================================	=======						*************
20	8020 GCFID	TL	ND	ND	ND	ND	220	NO ID (Method 41
B-2								
5	8020 GCF1D	TL.	ND	ND	ND	ND	ND	
B-3								
10	8020	TL	ND	ND	ИÐ	ND	1.6	diesel
	GCFID						2,200	NO ID (Method 41
B-4								
5.5 - 7.5	8020	TL	0.36	1.2	1.3	3.6	100	gas
	GCFID						41	diesel
B-5								
15	8020 GCFID	ΤL	ND	ND	ND	ND	ND	
B-6	NO SAMPLE AN	ALYZED						
в-7								
15	8020 GCFID	TL	ND	ND	NO	ND	ND	
LF-1 (SB-7))							
16 - 16 1/2	8015/8020	B&C	ND	ND	ND	ND	ND	
28 1/2 - 29	8015/8020	B&C	ND	ND	ND	ND	ND	
se-8								
23 1/2 - 20	8015/8020	в&С	ND	ND	ND	ND	ND	
88-9								
5 - 6 1/2	8015/8020	B&C	ND	ND	ND	ND	ND	
11 - 11 1/3	2 8015/8020 2 8015/8020	B&C B&C	ND ND	ИD ИD	ND ND	ND ND	ND ND	***

SB-10

Cont. TABLE 1

SOIL ANALYSES SUMMARY (Concentrations expressed in ppm)

Boring							Total Petroleum Hydrocarbons		
	aboratory								
Interval A	nalysis	Lab	Benzene	Toluene	Ethylbenzene	Xylene	Concentration	Characterization	
(feet)									
16 - 16 1/2 8		8&C		ND	ND	ND	ND	4=2======== ===========================	
10 - 10 172 0	015/0020	bac	110	140	110	,,,	NO.		
SB-11 (LF-2)									
6 - 6 1/2 8	015/8020	B&C	ND	ND	ND	ND	ND		
8 1/2 - 9 8	015/8020	в&С	1.2	1.7	1.3	2.5	150	gas	
13 1/2 - 14 8	015/8020	B&C	1.5	0.3	0.7	0.7	42	gas	
21 - 21 1/2 8	015/8020	B&C	ND	ND	ND	ND	ND		
SB-12									
	015/8020	в&с	ND	ND	ND	ND	ND		
11 - 11 1/2 8	015/8020	B&C	ND	ND	ND	ND	ND		
21 - 21 1/2 8	015/8020	B&C	ND	ND	ND	ND	ND		
SB-13 (LF-3)									
•	015/8020	в&С	ND	ND	ND	ND	ND		
SB-14									
8 1/2 - 9 8	015/8020	B&C	ND	ND	ND	ND	ND		
21 - 21 1/2 8		B&C	ND	ND	ND	ND	ND		
21 21 1/2 0	013/0020	ouc	No	RO	NO		ND		
SB-15									
11 - 11 1/2 8	015/8020	B&C	ND	ND	ND	ND	2100	gas	
23 1/2 - 24 8	015/8020	B&C	ND	ND	ND	ND	ND		
SB-16									
11 - 11 1/2 8	015/8020	8&C	ND	ND	ND	ND	31	gas	
21 - 21 1/2 8		8&C	ND	ND	₩D	ND	ND	-	
LF-4		-							
11 - 11 1/2 8	01578020	8&C	ND	ND	ND	ND	ND		
21 - 21 1/2 8		8&C	ND	ND	ND	ND	ND		
•	•						VV ===================================		

Notes: ND - Not Detected

BC - Brown and Caldwell Laboratories

TL - The Twining Laboratories, Inc.

LF 1233/1233gw1.wks

26-Jun-89

TABLE 2

GROUND-WATER SUMMARY

(Concentrations expressed in ppm)

_==>>455

		01-						Total Petrol	eum Hydrocarbons
Well	Laboratory Analysis	Sample Date	Lab	Benzene	Toluene	Ethylbenzene	Xylene	Concentration	Characterization
LF-1	8020 8015	Mar 89 Mar 89	BC BC	ND NA	ND NA	ON AN	ND NA	NA ND	
LF-2	8020 8015	Mar 89 Mar 89	BC BC	0.87 NA	ND NA	ND NA	ND NA	NA 8.3	GAS
	8020 8015	May 89 May 89	BC BC	0.017 NA	Д И Ам	ND NA	0.027 NA	NA 5.5	
LF-3	8020	Mar 89	BC	ND	ND	ND	ND	NA	
LF-4	8015 8020	Mar 89 May 89	BC BC	NA ND	NA ND	NA ND	NA ND	ND NA	
2, 4	8015	May 89	ВС	NA	NA	NA	NA	ND	

Notes: NA - Not Analyzed.

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
BROADWAY MEDICAL PLAZA
OAKLAND, CALIFORNIA

All results expressed in parts per million (ppm)

Well	Laboratory	Date		<u>. </u>			Total	-	TPH as	
No.	Analysis	Sampled	Lab	Benzene	Toluene	Ethylbenzene	Xylenes	Chlorobenzene	gasoline	
LF-1	8020	Mar 89	вс	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	NA	
22 -	8015	Mar 89	BC	NA	NA	NA	NA	NA	<1	
	8020	Oct 89	BC	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	NA	
	8015	Oct 89	BC	NA	NA	NA	NA	NA	<1	
	8020	Jan 90	BC	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	NA	
	8015	Jan 90	BC	NA	NA	NA	NA	NA	0.068 }	0.095 D
	8020	Apr 90	BC	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	NA	
	8015	Apr 90	ВC	NA	NA	NA	NA	NA	< 0.050	
	8020	Oct 90	BC	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	NA	
	8015	Oct 90	BC	NA	NA	NA	NA	NA	0.080€	
LF-2	8020	Mar 89	вс	0.87	< 0.050	< 0.050	< 0.050	< 0.050	NA	
2	8015	Mar 89	BC	NA	NA	NA	NA	NA	8.3 [©]	
	8020	May 89	BC	0.017	< 0.0003	< 0.0003	0.027	< 0.0003	NA	
	8015	May 89	BC	NA	NA	NA	NA	NA	5.5	
	8020	Oct 89	BC	0.020	< 0.0005	0.023	< 0.0005	0.0095	NA	
	8015	Oct 89	BC	NA	NA	NA	NA	NA	<1	
	8020	Oct 89	BC	0.016	< 0.0005	0.023	< 0.0005	0.010	NA	
	8015	Oct 89	BC	NA	NA	NA	NA	NA	<1	
	8020	Jan 90	BC	0.034	< 0.0003	0.039	0.0092	NA	NA	
	8015	Jan 90	BC	NA	NA	NA	NA	NA	2.0/	
	8020	Apr 90	BC	0.022	0.015	0.036	0.003	0.010	NA	
	8015	Apr 90	BC	NA	NA	NA	NA	NA	3.2	0.63D
	8020	Oct 90	BC	0.010	< 0.0005	0.020	0.002	0.008	NA	
	8015	Oct 90	BC	NA	NA	NA	NA	NA	0.690	
	8020	Jun 91	BC	0.024	< 0.005	0.031	0.013	0.015	NA	1/27
	8015	Jun 91	BC	NA	NA	NA	NA	NA	1.1	0.420
	8020	Nov 91	BC	0.014	< 0.005	0.032	0.0045	0.011	NA	_
	8015	Nov 91	BC	NA	NA	NA	NA	NA	0.710 :	0.07D

HISTORICAL GROUNDWATER ANALYTICAL RESULTS BROADWAY MEDICAL PLAZA OAKLAND, CALIFORNIA

All results expressed in parts per million (ppm)

TPH as		Total					Date	Laboratory	Well
gasoline	Chlorobenzene	Xylenes	Ethylbenzene	Toluene	Benzene	Lab	Sampled	Analysis	No.
NA	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	BC	Mar 89	8020	LF-3
<1	NA	NA	NA	NA	NA	BC	Mar 89	8015	
NA	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	BC	Oct 89	8020	
<1	NA	NA	NA	NA	NA	BC	Oct 89	8015	
NA	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	BC	Jan 90	8020	
< 0.050	NA	NA	NA	NA	NA	BC	Jan 90	8015	
NA	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	BC	Арг 90	8020	
< 0.050	NA	NA	NA	NA	NA	BC	Apr 90	8015	
NA	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	BC	Oct 90	8020	
< 0.050	NA	NA	NA	NA	NA	BC	Oct 90	8015	
NA	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	BC	May 89	8020	LF-4
<1	NA	NA	NA	NA	NA	BC	May 89	8015	
NA	< 0.002	0.0016	< 0.002	< 0.002	< 0.002	BC	Oct 89	8020	
<1	NA	NA	NA	NA	NA	BC	Oct 89	8015	
NA	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	BC	Jan 90	8020	
0.058	NA	NA	NA	NA	NA	BC	Jan 90	8015	
NA	< 0.0005	0.0006	< 0.0005	< 0.0005	< 0.0005	BC	Apr 90	8020	
< 0.050	NA	NA	NA	NA	NA	BC	Apr 90	8015	
NA	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	BC	Oct 90	8020	
< 0.050	NA	NA	NA	NA	NA	BC	Oct 90	8015	
NA	< 0.0003	0.0005	< 0.0003	0.0035	< 0.0003	BC	Jan 90	8020	LF-4FB
NA	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	BC	Apr 90	8020	
NA	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	BC	Oct 90	8020	

Data entered by KAB 8-Oct-96 QA/QC by SS

Notes:

BC - BC Analytical Laboratory, Emeryville, California

NA - Not applicable for the referenced methodology

TPH - Total Petroleum Hydrocarbons

TABLE 4CURRENT GROUNDWATER ANALYTICAL RESULTS
BROADWAY MEDICAL PLAZA
OAKLAND, CALIFORNIA

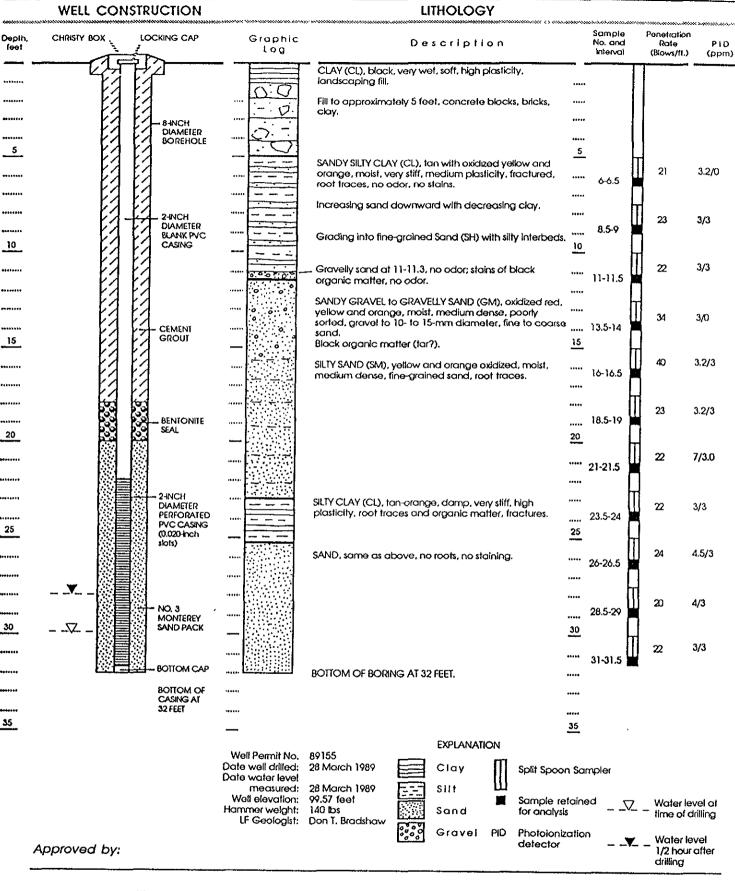
All results expressed in parts per million (ppm)

Well	Laboratory	Date		•			Total	<u></u>	Total Petrole	um Hydro	carbons
No.	Analysis	Sampled	Lab	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Gasoline	Diesel	Motor Oil
LF-1	8020	Sep/Oct 96	AEN	< 0.0005	< 0.0005	< 0.0005	< 0.002	< 0.0005	< 0.0005	< 0.0005	NA
	8015	Sep/Oct 96	AEN	NA	NA	NA	NA	NA	0.18	< 0.05	<0.2
LF-2	8020	Sep/Oct 96	AEN	0.0075	< 0.0005	0.02	0.006	0.006	NA	NA	NA
	8015	Sep/Oct 96	AEN	NA	_NA	NA	NA	NA	0.7	< 0.05	<0.2
duplicate	8020	Sep/Oct 96	AEN	(0.018	0.001	0.026	0.007	0.006	NA	NA	NA
duplicate	8015	Sep/Oct 96	AEN	NA	NA	NA	NA	-NA	0.73	< 0.05	Annual Contract of the Contrac
LF-3	8020	Sep/Oct 96	AEN	< 0.0005	< 0.0005	< 0.0005	< 0.002	< 0.005	NA	NA	NA NA
	8015	Sep/Oct 96	AEN	NA	NA	NA	NA	NA	< 0.05	< 0.05	<0.2
LF-4	8020	Sep/Oct 96	AEN	< 0.0005	< 0.0005	< 0.0005	< 0.002	< 0.0005	NA	NA	NA
	8015	Sep/Oct 96	AEN	NA	NA	NA	NA	NA	< 0.05	< 0.05	<0.2

Notes:

AEN - American Environmental Network, Pleasant Hill, California

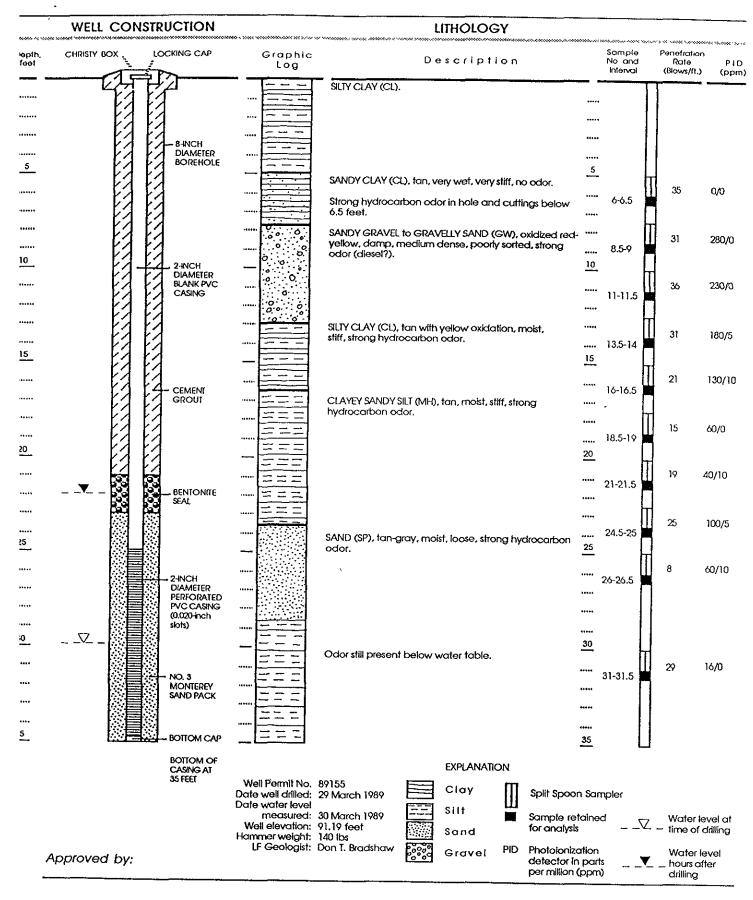
NA - Not Applicable for the referenced methodology



: WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF-1 (SB-7)

Project No. 1597

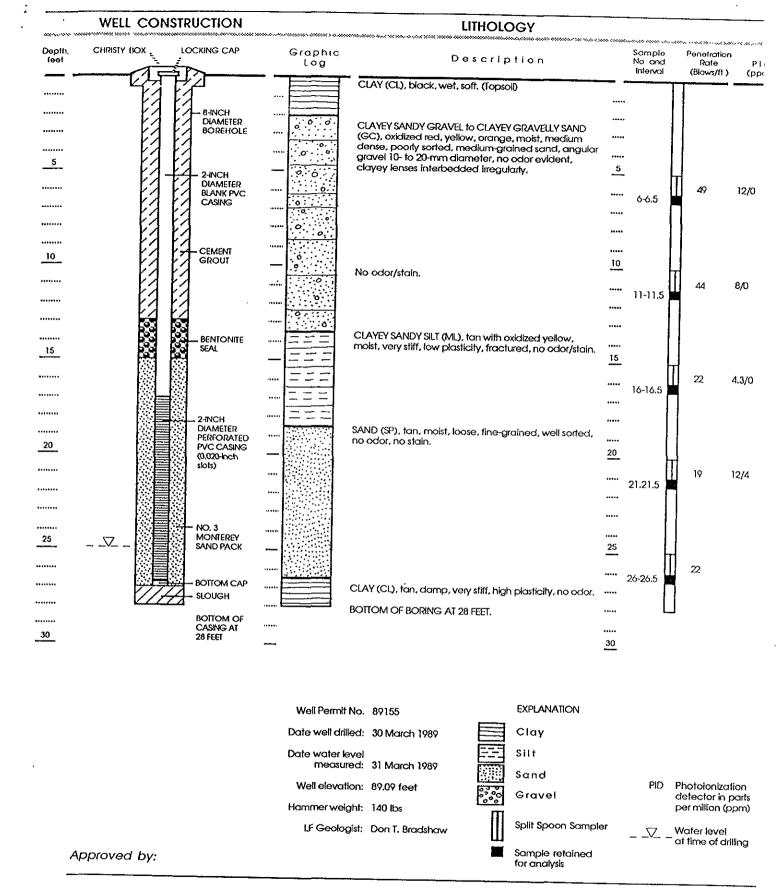
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: WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF-2 (SB-11)

Project No. 1597

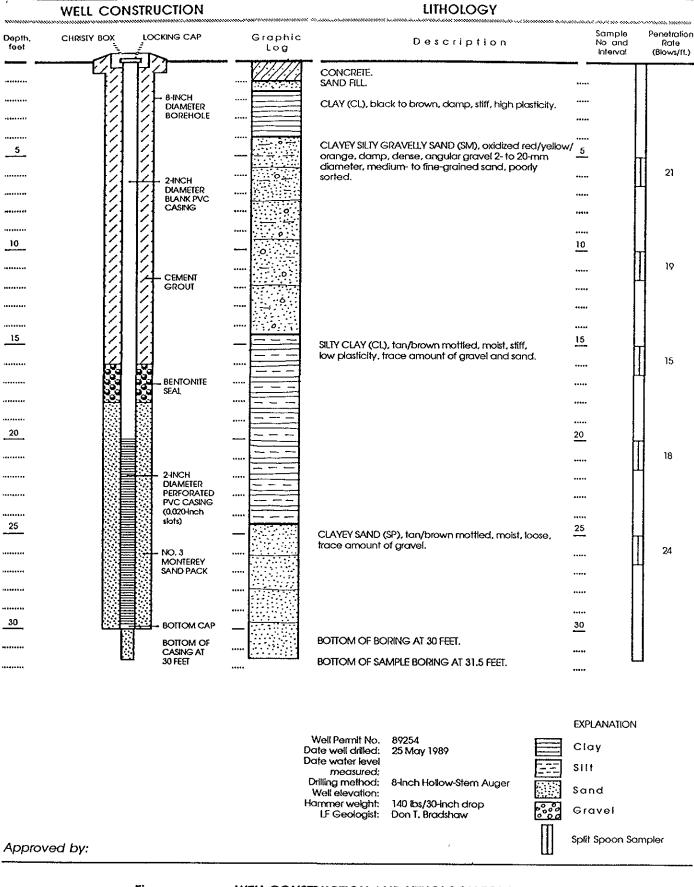
LEVINE-FRICKE CONSULTING ENGINEERS AND HYDROGEOLOGISTS



: WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF-3 (SB-13)

Project No. 1597

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: WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF-4

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