

July 30, 1993

LF 1547.93-01

**SEMI-ANNUAL GROUND-WATER MONITORING REPORT FOR THE  
PERIOD FROM JANUARY 1 THROUGH JUNE 30, 1993  
KAISER MOSSWOOD BUILDING  
3505 BROADWAY, OAKLAND, CALIFORNIA**

**1.0 INTRODUCTION**

This report presents the results of ground-water monitoring by Levine·Fricke from January 1 through June 30, 1993 ("the reporting period"), on behalf of Kaiser Foundation Health Plan, Inc. ("Kaiser"), at the Kaiser Mosswood Building, 3505 Broadway, Oakland, California ("the Site"; Figure 1).

Ground water has been monitored at the Site in response to the detection of petroleum hydrocarbons in soil and ground-water samples previously collected in the vicinity of two former underground storage tanks (USTs) at the site. The monitoring has been conducted in accordance with a Levine·Fricke work plan submitted to the Department of Environmental Health at the Alameda County Health Care Services Agency (ACHCS) in January 1992 (Levine·Fricke 1992a) and as amended in the Quarterly Ground-Water Monitoring Report (Levine·Fricke, 1993). The source of the petroleum hydrocarbons detected in soil and ground water has been traced to a release from the fuel UST system formerly located at the Site.

In June 1992, the two fuel USTs, a waste oil UST, and associated piping were removed from the Site. Because of access difficulties and the analytical results of soil samples collected along the piping trenches, piping located in the building was abandoned in place. This work was performed in accordance with a Levine·Fricke work plan submitted to the Department of Environmental Health at the ACHCS, in December 1991 (Levine·Fricke 1991). During the UST removal project, soil in the vicinity of the UST system was also excavated to approximately 15 feet below ground surface (bgs) and removed from the Site, and well LF-5 was abandoned. Well LF-5R was replaced in August 1992 (Levine·Fricke 1992b).

Work performed by Levine·Fricke personnel during the reporting period included the following:

- measuring depth to ground water in four on-site ground-water monitoring wells (LF-2, LF-3, LF-4, and LF-5R)

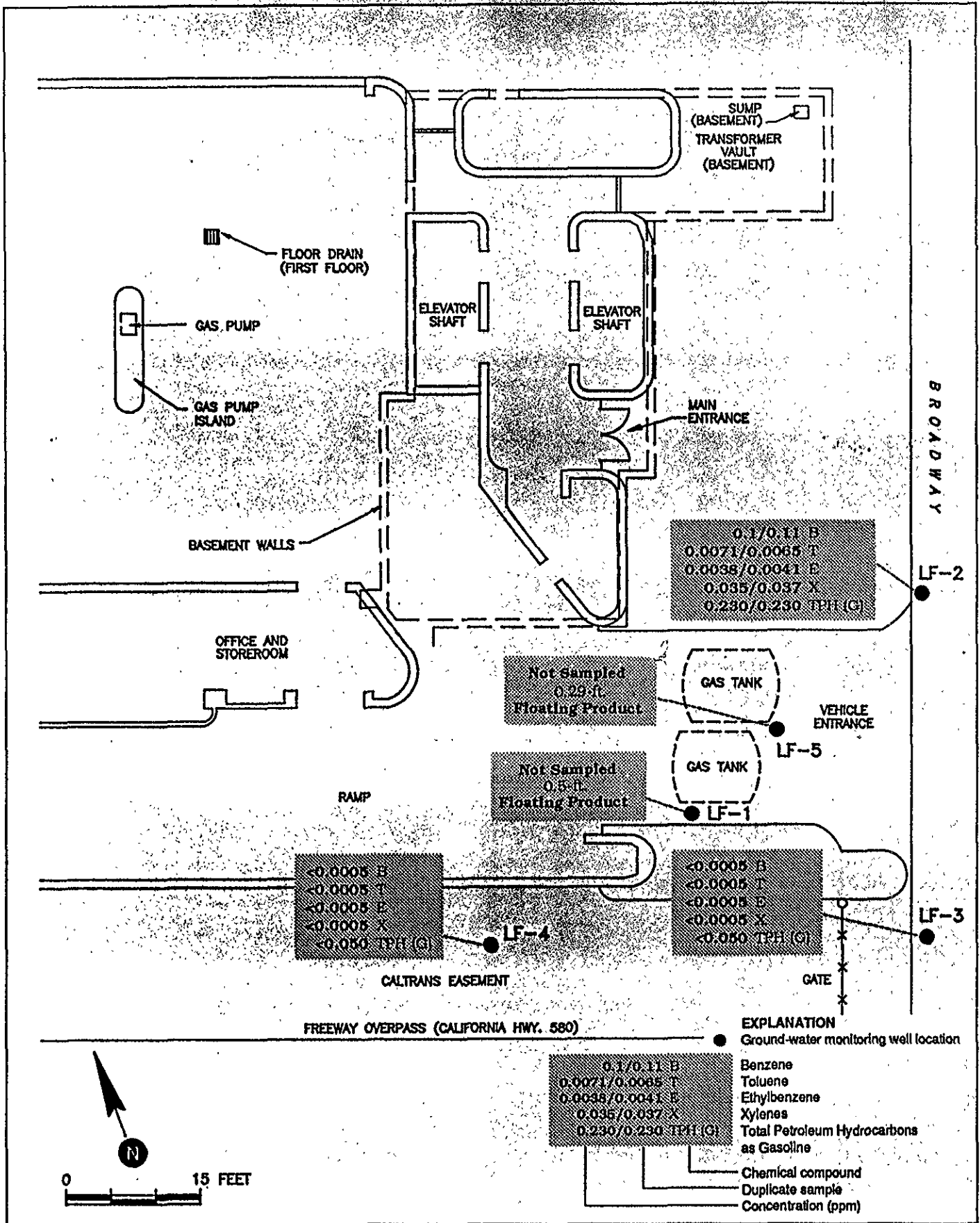
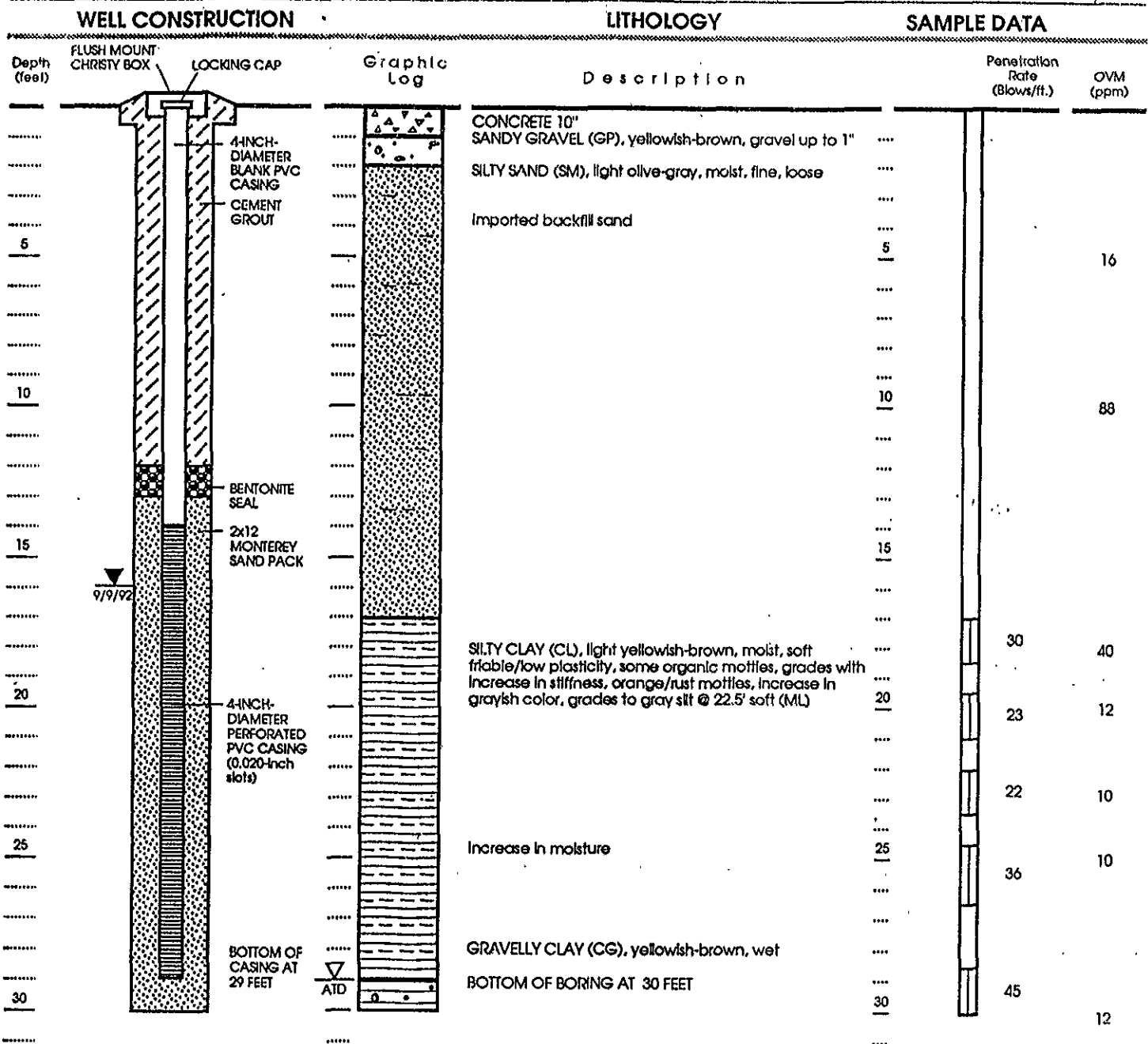


Figure 4: CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS (TPH), BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES (BTEX) IN GROUND WATER (MARCH 1991)



EXPLANATION

-  Clay
-  Silt
-  Sand
-  Gravel



Spill-Spoon Sampler



Water level at time of drilling

Well Permit No.: 92411  
 Date well drilled: August 27, 1992  
 Well elevation (relative): 98.68  
 Sampling method: 5' Core Spill Spoon  
 Hammer weight: 140 lbs.  
 LF Geologist: Ron Golubow

OVM Organic vapor meter reading  
 in parts per million (ppm)

Approved by: *[Signature]* R.G. 5300

Figure A-1: WELL CONSTRUCTION AND LITHOLOGY FOR WELL LF5-R

Case print or type. Form designed for use on elite (12-pitch typewriter).

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C A D 9 8 0 6 7 6 8 0 3	Manifest Document No. 0 0 0 0 0 3	2. Page 1 of 1	Information in the shaded areas is not required by Federal law	
3. Generator's Name and Site Address KAISER FOUNDATION HEALTH PLAN 1950 Franklin Street, Oakland, CA. 94612			A. State Manifest Document Number 9 2 5 0 9 8 2 5			
4. Generator's Phone (510) 987-4050			B. State Generator's ID			
5. Transporter 1 Company Name H & H Ship Service Company		6. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8	C. State Transporter's ID 300925		D. Transporter's Phone (415) 543-4835	
7. Transporter 2 Company Name		8. US EPA ID Number	E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA 94107		10. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8	G. State Facility's ID		H. Facility's Phone (415) 543-4835	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste Number	
a. RESIDUE MOTOR OIL TANK NON-RCRA HAZARDOUS WASTE SOLID		0 0 1 T P	0 0 5 5 0	P	State: 512 EPA/Other:	
b.					State: EPA/Other:	
c.					State: EPA/Other:	
d.					State: EPA/Other:	
J. Additional Descriptions for Materials Listed Above EMPTY 550 gallon tank last containing motor oil. Tank inerted with dry ice for transport. PROFILE #A18			K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information JOB #10694 24 Hr. Emergency Contact: H & H # (415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR			JOB SITE: KAISER FOUNDATION H.P. 3505 Broadway Street Oakland, California			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name: JON. FERRARO		Signature: [Signature]		Month Day Year: 0 5 1 9 9 0		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: FRED EDWARD MCGAN JR.		Signature: [Signature]		Month Day Year: 0 5 1 9 9 2		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name:		Signature:		Month Day Year:		
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name: [Signature]		Signature: [Signature]		Month Day Year: 0 5 1 9 9 2		

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9002. WITHIN CALIFORNIA, CALL 1-800-533-7000

DO NOT WRITE BELOW THIS LINE.

Please print or type. Form designed for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA1D191810161716184013** Manifest Document No. **010101014** 2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
**KAISER FOUNDATION HEALTH PLAN**  
**1950 Franklin Street, Oakland, CA. 94612**  
4. Generator's Phone (510) 987-4050

A. State Manifest Document Number **91508413**

5. Transporter 1 Company Name  
**H & H Ship Service Company** 6. US EPA ID Number  
**CA1D1010141717111618**

B. State Generator's ID  
C. State Transporter's ID **300933**  
D. Transporter's Phone **(415) 543-4835**

7. Transporter 2 Company Name  
8. US EPA ID Number

E. State Transporter's ID  
F. Transporter's Phone

9. Designated Facility Name and Site Address  
**H & H Ship Service Company**  
**220 China Basin Street**  
**San Francisco, CA 94107** 10. US EPA ID Number  
**CA1D1010141717111618**

G. State Facility's ID  
**CA1D1010141717111618**  
H. Facility's Phone  
**(415) 543-4835**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste Number
	No.	Type			
a. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID	0,02	T,P	0,60000	P	State 512 EPA/Other
b. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID	0,01	T,P	0,40000	P	State 512 EPA/Other
c. RELATED PIECE(S)					State 513 EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above  
**EMPTY 6,000 gallon and 4,000 gallon tanks last containing gasoline. Tanks inerted with dry ice for transport. PROFILE #A1861.**

K. Handling Codes for Wastes Listed Above  
a. **01** b. **01**  
c. **01** d.

15. Special Handling Instructions and Additional Information  
**JOB #10788**  
**24 Hr. Emergency Contact: H & H # (415) 543-4835**  
**APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR**  
**JOB SITE: KAISER FOUNDATION H. P.**  
**3505 Broadway**  
**Oakland, California**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: *[Signature]* Signature: *[Signature]* Month: 05 Day: 10 Year: 81912

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name: **NORVAN L. BERG** Signature: *[Signature]* Month: 06 Day: 10 Year: 81912

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name: Signature: Month: Day: Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
Printed/Typed Name: *[Signature]* Signature: *[Signature]* Month: 06 Day: 08 Year: 81912

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550