

3775

Mountain View

Oakland

Pasadena

San Ramon

00 JAN 17 AM 8:44
ENVIRONMENTAL
PROTECTION

January 9, 2001
864-40E

Mr. Sean McFadden
UNITED STATES POSTAL SERVICE
1675 7th Street, Room 219
Oakland, California 94615

**RE: GROUND WATER QUALITY
EVALUATION
OAKLAND VMF
OAKLAND, CALIFORNIA**

Dear Mr. McFadden:

This letter summarizes the results of our ground water quality evaluation performed at the Oakland Vehicle Maintenance Facility (VMF), located at 1675 7th Street in Oakland, California (Figure 1).

This work was performed in accordance with our agreement dated May 22, 2000. The scope of work included the collection of ground water samples from on-site monitoring well MW-4. The location of monitoring well MW-4 is shown on Figure 2.

GROUND WATER QUALITY EVALUATION

On November 1, 2000 and under the supervision of Principal Geologist Peter Langtry, Staff Engineer Ryan Gerber collected a ground water sample from monitoring well MW-4 using a Teflon bailer. Approximately 1 to 2 inches of hydrocarbon product were observed floating on top of the ground water. The floating product was black and appeared to be a degraded diesel. Laboratory analysis of the ground water was not performed because of the presence of free product in the sample.

RECOMMENDATIONS

We recommend quarterly ground water quality monitoring at the site, including sampling the other on-site monitoring wells to help evaluate the lateral extent of the free product. We also recommend that a copy of this report be sent to the Alameda County Environmental Health Department (ACEHD) for their review.

LIMITATIONS

This report was prepared for the use of United States Postal Service in evaluating ground water quality at the Oakland VMF at the time of this study. We make no warranty, expressed or implied, except that our services have been performed in accordance with environmental principles generally accepted at this time and location. The chemical and other data presented in this report can change over time and are applicable only to the time this study was performed. We are not responsible for the data presented by others.

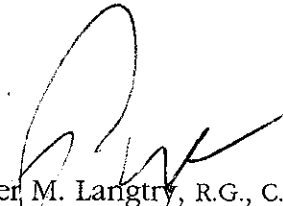
Thank you for choosing us to assist you. If you have any questions, please call and we will be glad to discuss them with you.

Very truly yours,

LOWNEY ASSOCIATES



Ryan M. Gerber
Staff Environmental Engineer



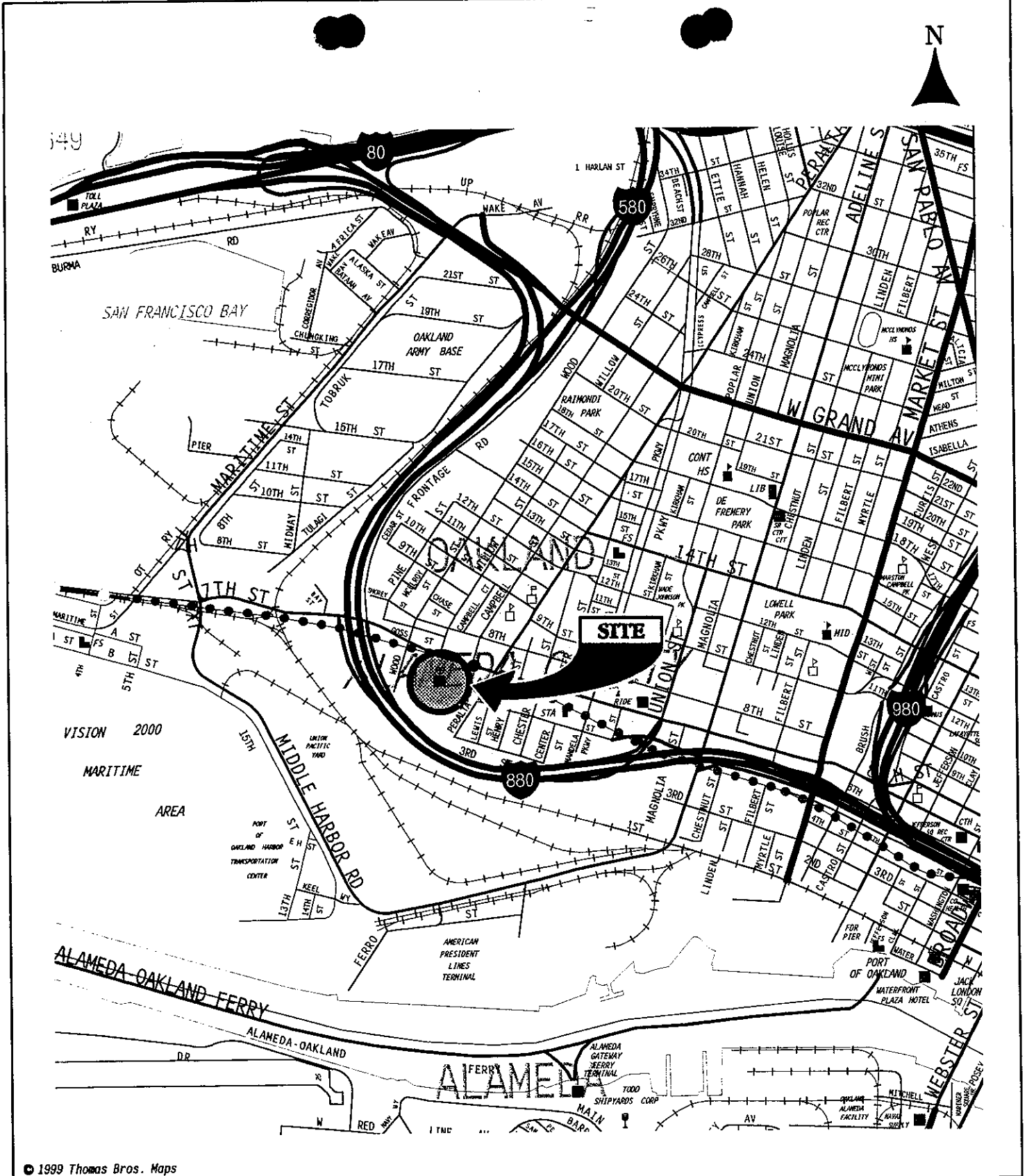
Peter M. Langtry, R.G., C.H.G.
Principal Environmental Geologist

PML:RMG

Copies: Addressee (2)
Alameda County Environmental Health Department (1)
Attn: Mr. Barney Chan

Attachments: Figure 1. Vicinity Map
Figure 2. Site Plan

OK, 864-40E Oakland VMF Well



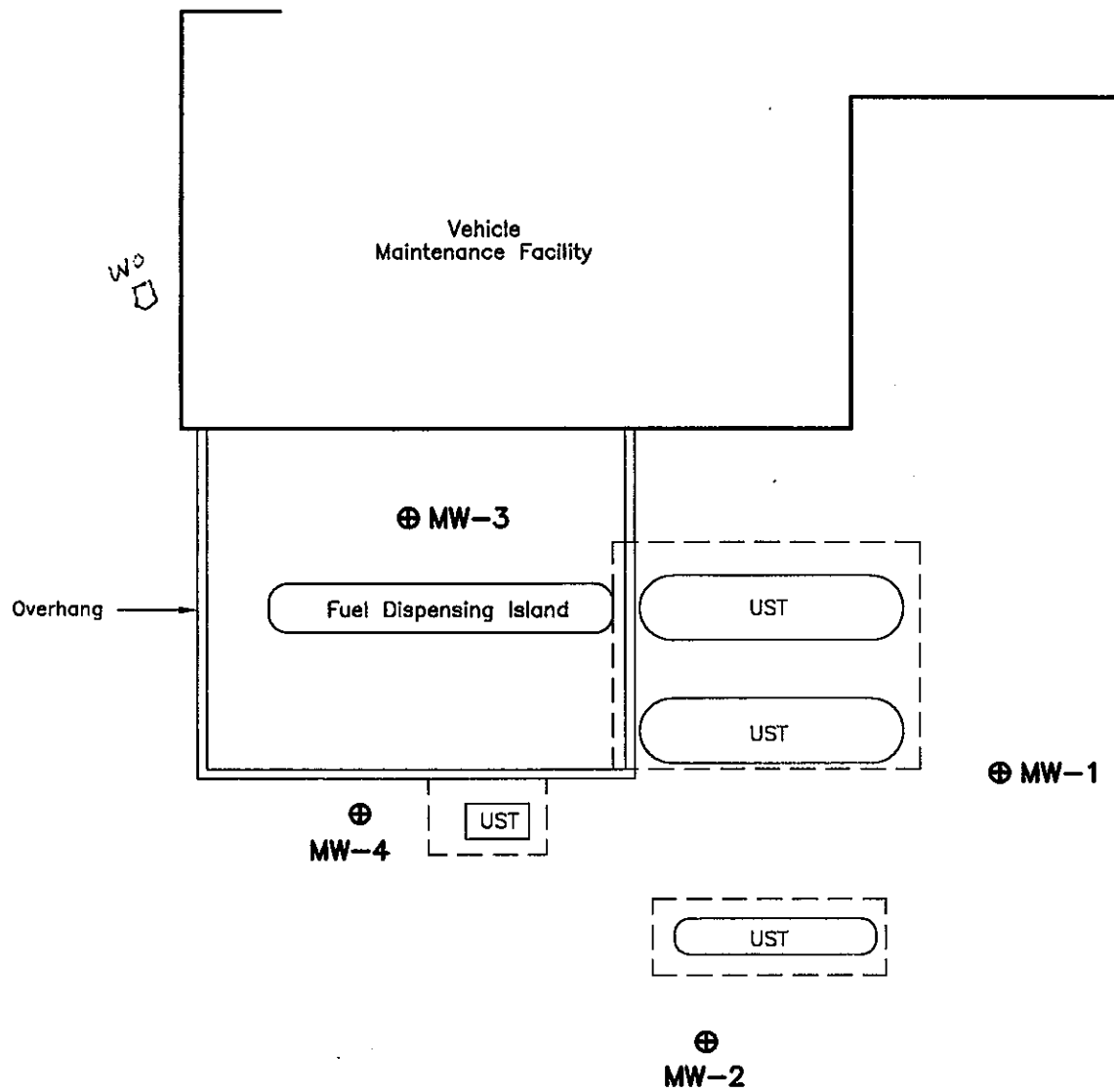
© 1999 Thomas Bros. Maps

1/01'23

VICINITY MAP
 OAKLAND VMF
 Oakland, California

LOWNEY ASSOCIATES
 Environmental/Geotechnical/Engineering Services

FIGURE 1
 864-40E



LEGEND

⊕ - Approximate location of monitoring well



Base by Geo/Resource Consultants Inc., dated 2/24/94.

1/01*EB

SITE PLAN
OAKLAND VMF
 Oakland, California

LOWNEY ASSOCIATES
 Environmental/Geotechnical/Engineering Services

FIGURE 2
 864-40E




COMMERCIAL

7TH STREET

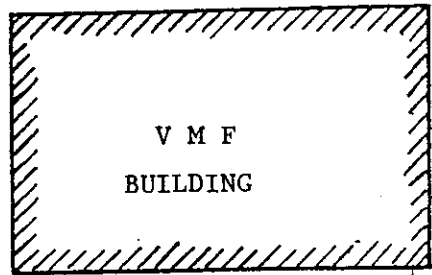
- removed 11-8-91 { 1. 5,000 GAL GASOLINE TANK
- 2A. 10,000 GAL DIESEL TANK
- 2B. 10,000 GAL DIESEL TANK
- 3. 550 GALLON WASTE OIL TANK
- removed 6-23-92 { 4. 8,000 GALLON DIESEL NO. 2 FUEL OIL TANK

4 FT
LI

FIRE HYDRANT 

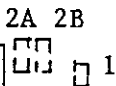
EMPLOYEE PARKING LOT

WOOD STREET



V M F
BUILDING

FIRE EXTINGUISHER



FUEL ISLANDS

3

STORM DRAIN

MAIN POST OFFICE BUILDING

TRUCK PARKING

PROPERTY LINE

SOUTHERN PACIFIC RAILROAD

VICINITY AND FACILITY STORAGE MAP

NTS *

*no scale

OAKLAND MAIN POST OFFICE
1675 7TH STREET
OAKLAND, CALIFORNIA

**Table 2. Summary of Analytical Results of Groundwater Samples
United States Postal Service - GMF/VMF
1675 7th Street
Oakland, California**

Well Name	Sample Date	Total Petroleum Hydrocarbons as		Benzene µg/l	Toluene µg/l	Ethyl- Benzene µg/l	Xylenes µg/l
		Gasoline µg/l	Diesel µg/l				
MW-4	9/93	< 50	580	< 0.5	< 0.5	<0.5	< 0.5
	1/26/94	< 50	850	0.7	<0.5	<0.5	< 0.5
	1/26/94	< 50	450	0.8	<0.5	<0.5	< 0.5
	3/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	6/94	< 50	250	1.6	< 0.5	<0.5	< 0.5
	6/94	< 50	260	1.7	< 0.5	<0.5	< 0.5
	2/22/95	140 ***	1,100 *	1.4	< 0.5	<0.5	< 0.5
	2/22/95 (Dup)	130 ***	1,000 *	1.1	< 0.5	<0.5	< 0.5
	6/6/95	1,400 ****	19,000	<0.5	< 0.5	0.5	< 0.5
	6/6/95 (Dup)	24,000****	23,000	<0.5	< 0.5	<0.5	< 0.5
	8/16/95	1,200	3,400	1.2	< 0.5	0.9	< 0.5
	8/16/95 (Dup)	2,000	3,000	1.2	< 0.5	1.0	0.8
	11/14/95	730****	4,200	< 0.5	< 0.5	< 0.5	< 0.5
	11/14/95 (Dup)	950	7,400	< 0.5	< 0.5	< 0.5	< 0.5
	5/16/96	< 50	2,000	< 0.5	< 0.5	<0.5	< 1.0
	5/16/96 (Dup)	< 50	2,000	< 0.5	< 0.5	<0.5	< 1.0
11/15/96	330	8,100	0.78	< 0.5	0.76	< 1.0	
11/15/96 (Dup)	600	13,000	0.74	< 0.5	0.94	< 1.0	
MW-5	9/93	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	1/26/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	3/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	6/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
Well Abandoned - January 1995							

Notes:

- µg/l Micograms per liter (equivalent to parts per billion)
- <1.0 Not detected at indicated reporting limit
- * The laboratory interpreted the result as a heavier hydrocarbon than diesel
- ** A non-standard diesel pattern was observed
- *** A non-standard gasoline pattern was observed
- **** The laboratory interpreted the result as a heavier hydrocarbon than gasoline
- Dup Duplicate sample
- NA Not analyzed

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United States Postal Service - GMF/VMF
1675 7th Street
Oakland, California**

Well Name	Sample Date	Total Petroleum Hydrocarbons as		Benzene µg/l	Toluene µg/l	Ethyl- Benzene µg/l	Xylenes µg/l
		Gasoline µg/l	Diesel µg/l				
MW-1	9/93	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	9/93 (Dup)	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	1/26/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	3/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	6/94	< 50	73	< 0.5	< 0.5	<0.5	< 0.5
	2/22/95	< 50	600 *	< 0.5	< 0.5	<0.5	< 0.5
	6/6/95	< 50	900 *	< 0.5	< 0.5	<0.5	< 0.5
	8/16/95	< 50	810 *	< 0.5	< 0.5	<0.5	< 0.5
	11/14/95	< 50	590	< 0.5	< 0.5	<0.5	< 0.5
	5/16/96	NA	900	NA	NA	NA	NA
	11/15/96	NA	330	NA	NA	NA	NA
MW-2	9/93	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	1/26/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	3/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	6/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	2/22/95	< 50	280 *	< 0.5	< 0.5	<0.5	< 0.5
	6/6/95	< 50	570 *	< 0.5	< 0.5	<0.5	< 0.5
	8/16/95	< 50	150 *	< 0.5	< 0.5	<0.5	< 0.5
	11/14/95	< 50	<50	< 0.5	< 0.5	<0.5	< 0.5
	5/16/96	NA	320	NA	NA	NA	NA
	11/15/96	NA	< 50	NA	NA	NA	NA
MW-3	9/93	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	1/26/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	3/94	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	3/94 (Dup)	< 50	< 50	< 0.5	< 0.5	<0.5	< 0.5
	6/94	Insufficient water - No sample collected					
	2/22/95	50	350 *	< 0.5	< 0.5	<0.5	< 0.5
	6/6/95	< 50	380 **	< 0.5	< 0.5	<0.5	< 0.5
	8/16/95	< 50	440	< 0.5	< 0.5	<0.5	< 0.5
	11/14/95	< 50	200	0.8	< 0.5	<0.5	< 0.5
	5/16/96	NA	1,100	NA	NA	NA	NA
11/15/96	NA	470	NA	NA	NA	NA	