

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



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**

January 13, 1997

Attn: John Prall  
Port of Oakland  
530 Water St.  
Oakland CA 94607

**RE: UNDERGROUND STORAGE TANK (UST) CASE**  
**Port of Oakland (Marine Terminals), 5190 -7th St., Oakland CA 94607**  
**SITE NO. 3783**

Dear Mr Prall:

This letter confirms the completion of site investigation and remedial action for the former 5,000-gallon diesel underground storage tank removed from the above-described location on February 13, 1990. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks 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 Title 23, Section 2721(e) of the California Code of Regulations.

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

Sincerely,

Mee Ling Tung, Director

**Attachment-1 (Case Closure Summary)**

c: Chief, Division of Environmental Protection  
Kevin Graves, RWQCB  
Lori Casias, SWRCB (w/attachment)  
Cheryl Gordon, UST Cleanup Fund  
ALL-File

**CASE CLOSURE SUMMARY**  
**Leaking Underground Fuel Storage Tank Program**  
**Page 1 of 3**

01-1197

**I. AGENCY INFORMATION**

Agency name: **Alameda County-HazMat**  
Date/City/State/Zip: **Alameda, CA 94502**  
Responsible staff person: **Amy Leech**

Date: **October 31, 1996**  
Address: **1131 Harbor Bay Pkwy**  
Phone: **(510) 567-6700**  
Title: **Hazardous Materials Spec.**

**II. CASE INFORMATION**

Site facility name: **Port of Oakland (Marine Terminals)**  
Site facility address: **5190 - 7th Street, Oakland CA 94607**  
RB LUSTIS Case No: **N/A**                      Local Case No./LOP Case No.: **3783**  
URF filing date: **02/19/90**                      SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Address:</u>	<u>Phone Numbers:</u>
Attn: John Prall Port of Oakland	530 Water St. Oakland CA 94607	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	5,000	diesel	removed	02/13/90

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and type of release: **Unknown**

Site characterization complete? **Yes**

Monitoring Wells installed? **No**                      Number: **n/a**

Proper screened interval? **n/a**

Highest GW depth below ground surface:      Lowest depth:

Flow direction: **Unknown**

Most sensitive current use: **Commercial/Industrial**

Are drinking water wells affected? **No**                      Aquifer name: **N/A**

Is surface water affected? **No**      Nearest affected SW name: **N/A**

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**

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION (cont'd)**

**Treatment and Disposal of Affected Material:**

<u>Material</u>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>or Disposal w/destination)</u>	<u>Date</u>
USTs	1-5,000 gallon	H&H Ship, San Francisco CA	02/13/90
Piping	25 c.y./200 lbs.	H&H Ship, San Francisco CA	02/13/90
Soil	45 c.y. 20 c.y.	Redwood Landfill, Novato CA Forward Sanitary, Stockton CA	
Groundwater & Product	400 gallons	H&H Ship, San Francisco CA	02/13/90

**Maximum Documented Contaminant Concentrations - - Before and After Cleanup**

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before</u> <sup>1</sup>	<u>After</u> <sup>2</sup>	<u>Before</u> <sup>3</sup>	<u>After</u>
TPH (Diesel)	150	150	ND	n/a
Benzene	ND	ND	"	"
Toluene	ND	ND	"	"
Ethylbenzene	ND	ND	"	"
Xylene	ND	ND	"	"

ND=non-detect

NT=not tested

n/a= not applicable

1 Soil sample results from the dispenser area after tank removal activities in 02/90.

2 Soil sample collected from the dispenser area.

3 Groundwater sample collected from the UST pit after overexcavation..

**Comments (Depth of Remediation, etc.):** See "Additional Comments" section.

**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: **n/a**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **n/a**

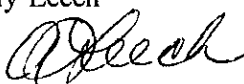
Number Decommissioned: **n/a**      Number Retained: **n/a**

List enforcement actions taken: **n/a**

List enforcement actions rescinded: **n/a**

**V. LOCAL AGENCY REPRESENTATIVE DATA**

Name: Amy Leech

Signature: 

Title: Hazardous Materials Specialist

Date: 12/4/96

Reviewed by


Name: Jennifer Eberle

Signature: 

Title: Hazardous Materials Specialist

Date: 11-4-96

Name: Thomas Peacock

Signature: 

Title: Supervising, Hazardous Materials Spec.

Date: 12-4-96


**VI. RWQCB NOTIFICATION**

Date Submitted to RB:

RWQCB Staff Name: Kevin Graves, P.E.

Title: Assoc. Water Resources Control Engineer

RB Response: 

Signature: 

Date: 1/6/97

**VII. ADDITIONAL COMMENTS**

One 5,000-gallon diesel UST was removed from Port of Oakland property located at 5190 - 7th Street in Oakland CA. This tank was reportedly installed by the Port in 1968 and not used since 1977. (See attachment 1 for site and tank location.)

The tank appeared to be in good condition with no holes or corrosion; however, staining and odor were observed and up to 9.9 and 150 ppm TPH-D was detected in the tank pit and product line trench near the dispenser island, respectively. BTEX was non-detect in both samples.

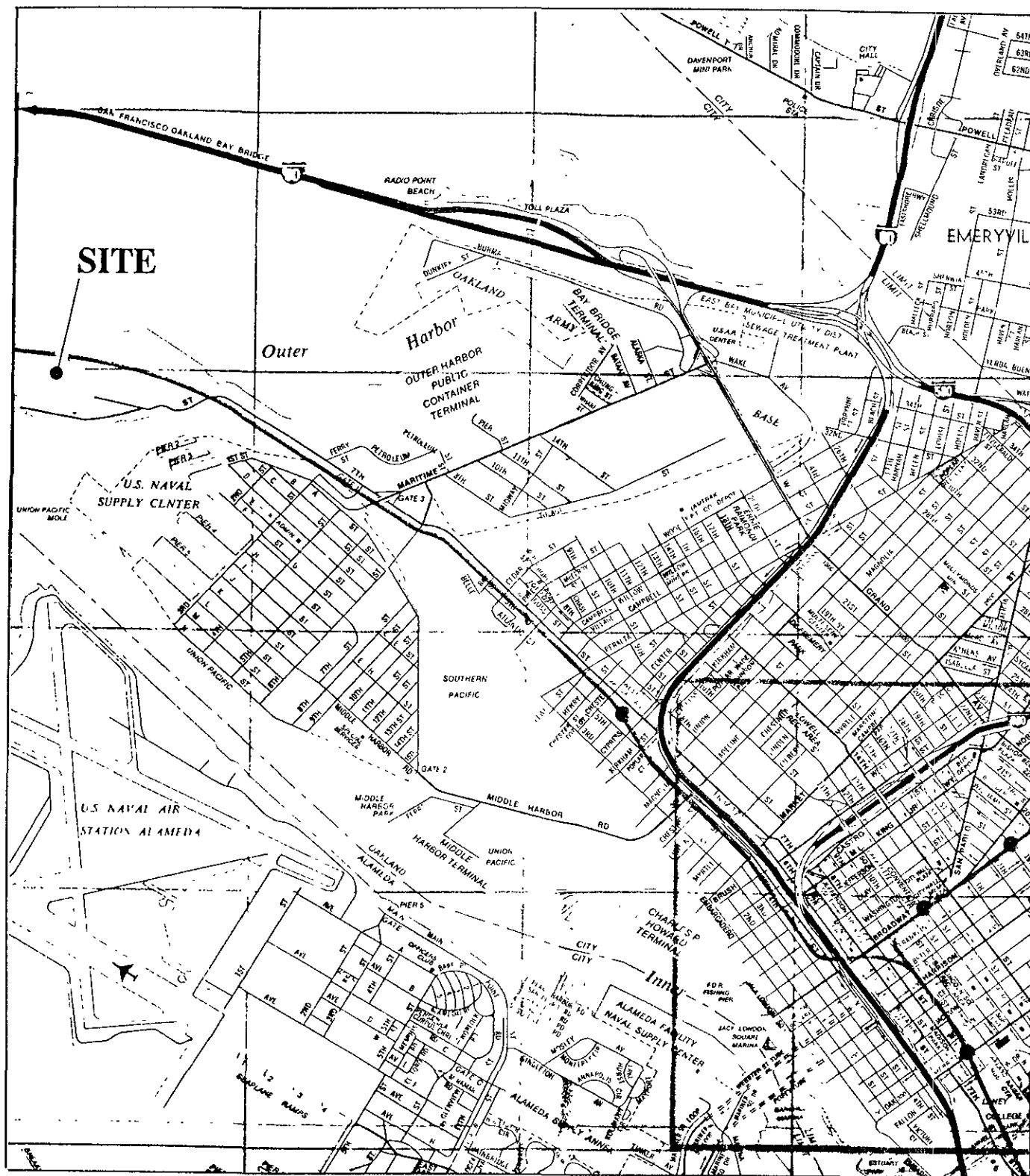
Approximately 65 c.y. of soil was excavated and removed from the tank pit and pipe trench/dispenser area. Stockpiled soil results identified up to 1,500 ppm TPH-D and non-detect for BTEX. After overexcavation of apparent contaminated soils, confirmatory soil samples identified up to 56 ppm TPH-D and non-detect BTEX in the southeast wall of the tank pit. Excavation in the vicinity of the former dispenser island where 150 ppm TPH-D was originally detected, was limited due to physical constraints. (See attachment 2 for sample locations and results.)

Although a sheen was reportedly observed on groundwater in the tank pit after tank removal activities, a groundwater sample collected after overexcavation of contaminated soil was non-detect for both TPH-D and BTEX. All excavated soil was disposed of off site, and the excavations were back-filled with clean gravel.

No further investigations are recommended for this site.

# REGIONAL LOCATION

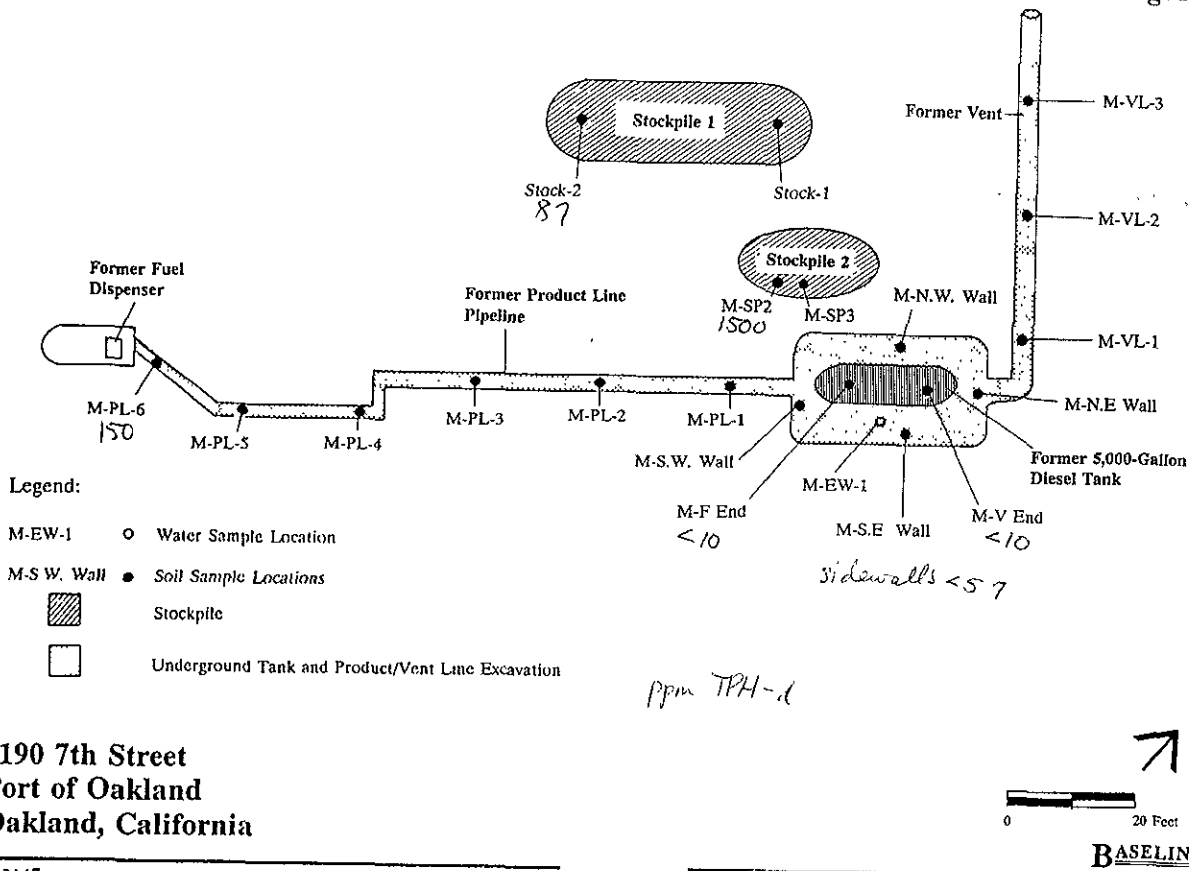
## Figure 1



5190 7th Street  
Port of Oakland  
Oakland, California



2



5190 7th Street  
Port of Oakland  
Oakland, California

SQ.134 17

BASELINE

TABLE 1  
SUMMARY OF ANALYTICAL RESULTS, SOILS AND GROUNDWATER  
5190 7th Street, Oakland, California  
(mg/kg except where noted)

Sample ID No.	Sample Collection Date	Depth (feet)	Diesel <sup>1</sup>	Benzene <sup>2</sup>	Toluene <sup>2</sup>	Total Xylenes <sup>2</sup>	Ethylbenzene <sup>2</sup>	Sulfides <sup>3</sup>	Static Acute Bioassay <sup>4</sup> (LC <sub>50</sub> )
<b>Tank Excavation</b>									
M-V End	02/13/90	10.0	4.8	ND	ND	ND	ND	--	--
M-F End	02/13/90	10.0	9.9	ND	ND	ND	ND	--	--
<b>Vent Line Excavation</b>									
M-VL-1	02/13/90	2.0	15	ND	ND	ND	ND	--	--
M-VL-2	02/13/90	2.0	17	ND	ND	ND	ND	--	--
M-VL-3	02/13/90	2.0	17	ND	ND	ND	ND	--	--
<b>Product Line Excavation</b>									
M-PL-1	02/13/90	5.0	5.6	ND	ND	ND	ND	--	--
M-PL-2	02/13/90	4.5	16	ND	ND	ND	ND	--	--
M-PL-3	02/13/90	3.5	15	ND	ND	ND	ND	--	--
M-PL-4	02/13/90	2.5	33	ND	ND	ND	ND	--	--
M-PL-5	02/13/90	2.0	57	ND	ND	ND	ND	--	--
M-PL-6	02/14/90	2.0	150	ND	ND	ND	ND	--	--
<b>Verification (Tank Excavation) Samples</b>									
M-S W. Wall	02/13/90	10.0	10	ND	ND	ND	ND	--	--
M-N.E. Wall	02/13/90	10.0	12	ND	ND	ND	ND	--	--
M-N.W. Wall	02/13/90	10.0	18	ND	ND	ND	ND	--	--
M-S.E. Wall	02/13/90	10.0	56	ND	ND	ND	ND	--	--
<b>Stockpiles</b>									
Stock-1	02/09/90	1.5	9.0	ND	ND	ND	ND	--	--
Stock-2	02/09/90	1.5	87	ND	ND	ND	ND	--	--
M-SP-2	02/14/90	1.5	1,500	ND	ND	0.0095	ND	--	--
M-SP-3	03/16/90	1.5	--	--	--	--	--	ND	>1,000 mg/L <sup>5</sup>
<b>Groundwater (mg/L)</b>									
M-EW-1	03/14/90	--	ND	ND	ND	ND	ND	--	--

<sup>1</sup> Analyzed by modified EPA Method 8015

<sup>2</sup> Analyzed by EPA Method 8020.

<sup>3</sup> Analyzed by EPA Method 9030

<sup>4</sup> Analyzed in accordance with *Guidelines for Performing Static Acute Bioassays in Municipal and Industrial Wastes, 1979, SWRCB and DFG, and Title 22, 566696(4)*.

<sup>5</sup> LC<sub>50</sub>, which means lethal concentration for 50 percent of the tested species (fathead minnows), is a measure of acute toxicity. The test species are exposed to different concentrations of a compound in the water over a 96-hour observation period. At the end of the period, the concentration that corresponds to 50 percent mortality is taken as the LC<sub>50</sub>. Under CCR Title 22, a compound concentration that has a LC<sub>50</sub> below 500 mg/L would be considered toxic and hazardous.

Notes: ND = compound not identified at a concentration above the laboratory detection limit.

Department of Environmental Health

JAN 08 1997