

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 4448 - 801 98th Avenue, Oakland, CA

July 11, 1996

Mr. Ronald Hothem
PAMCO
369 Broadway
San Francisco, CA 94133

Dear Mr. Hothem:

This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (2-15,000 gallon diesel tanks) removed from the above site on July 29, 1992. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, 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, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations. If changes in land use, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated, the owner must promptly notify this agency.

Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

Mee Ling Tung, Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Lori Casias, SWRCB (with attachment)
files (hothem9)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: May 9, 1996

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Eva Chu Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Former Gerber Products
Site facility address: 801 98th Ave, Oakland, CA 94603
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 4448
URF filing date: 6/25/87 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
PAMCO	369 Broadway	415/421-9099
Ronald Hothem	San Francisco, CA 94133	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	15,000	Diesel	Removed	7/29/92
2	15,000	Diesel	Removed	7/29/92

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 10/15/92
Monitoring Wells installed? Yes Number: 1
Proper screened interval? Yes, 12 to 22' bg
Highest GW depth below ground surface: 9.65' Lowest depth: 10.85'
Flow direction: Westerly, based of groundwater elevation data from several neighboring sites along 98th Ave.
Most sensitive current use: Commercial/light industry
Are drinking water wells affected? No Aquifer name: Unknown
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

COMMERCIAL CONNECTION
MAY 28 PM 3:03

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> (include units)	<u>Action (Treatment</u> <u>or Disposal w/destination)</u>	<u>Date</u>
Tank & Piping	2 USTs	Disposed by H & H, San Francisco	7/29/92
Soil	87 cy	Aerated and reused as fill material at nearby I-880/98th Ave construction project	Apr 1996

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	<u>Before</u>	<u>After</u>	<u>Before¹</u>	<u>After</u>
TPH (Gas)	NA		NA	
TPH (Diesel)	1,036	90	3,270	ND
Benzene	ND	ND	ND	ND
Toluene	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND
Xylenes	ND	ND	ND	ND

NOTE: 1 Grab groundwater sample from tank excavation.

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: **No, pending site closure**
 Number Decommissioned: 0 Number Retained: 1
 List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: *Eva Chu* Date: *5/10/96*

Reviewed by

Name: **Barney Chan** Title: **Haz Mat Specialist**

Signature: *Barney Chan* Date: *5/9/96*

Name: **Thomas Peacock** Title: **Supervisor**

Signature: *Thomas Peacock* Date: *5/9/96*

VI. RWQCB NOTIFICATION

Date Submitted to RB: *5/10/96* RB Response: *Approved*

RWQCB Staff Name: **Kevin Graves** Title: **AWRCE**

Signature: *Kevin Graves* Date: *5/23/96*

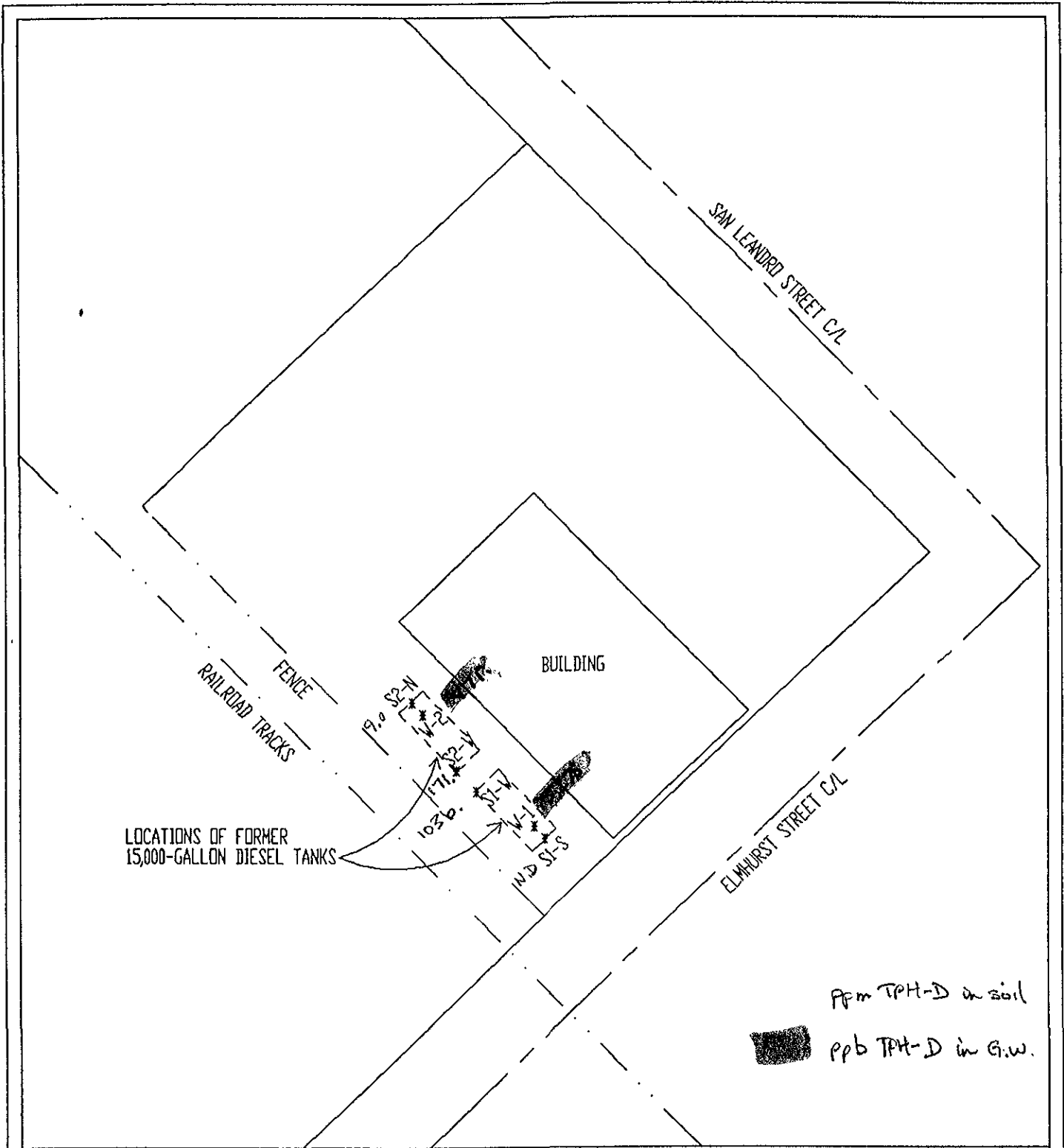
VII. ADDITIONAL COMMENTS, DATA, ETC.

Two 15K gallon USTs which formerly contained diesel fuel were removed on July 29, 1992. The tanks were covered with mostly intact tar-wrapping. Holes were noted in the piping. Soil samples collected from native soil at 10' depth exhibited up to 1,036 ppm TPH-D, but no BTEX. A "grab" groundwater sample contained 3,270 ppb TPH-D, but no BTEX. (See Fig 1)


Overexcavation in August and September 1992 removed additional hydrocarbon-impacted soil from the bottom and the west sidewall of the pit. Verification soil samples did not identify TPH-D or BTEX from the sidewall. Up to 90 ppm TPH-D was identified from the pit bottom at 10' bgs. (See Table 1.) A total of approximately 87 cy of diesel impacted soil was removed to a vacant lot across the street for treatment/aeration. The soil was combined with gasoline impacted soil (~700+ cy) from another site for remediation. In April 1996 the 800 cy aerated soil was sampled and analytical results did not indicate elevated levels of TPH-G, TPH-D, BTEX, or Cl-HCs. The soil was used as fill material for a construction project at I-880 and 98th Ave, Oakland.

An existing groundwater monitoring well was located immediately west-northwest of the former UST excavation. Groundwater was sampled for four consecutive quarters (from 4/93 to 1/94) and only identified trace levels of TPH-D (up to 130 ppb). (See Fig 2, Table 2, and well log.) The fuel release from the former USTs has not significantly impacted groundwater quality beneath the site. Continued groundwater sampling/monitoring is not warranted.

hothem7

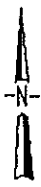


LOCATIONS OF FORMER
15,000-GALLON DIESEL TANKS

Ppm TPH-D in soil
 Ppb TPH-D in G.W.

LEGEND

- W-1
* NAME AND LOCATION
OF WATER SAMPLE
- SI-S
* NAME AND LOCATION
OF SOIL SAMPLE
- NOT TO SCALE



TANK PROTECT ENGINEERING

SITE PLAN

PACIFIC AMERICAN
MANAGEMENT COMPANY
9401 SAN LEANDRO STREET
OAKLAND, CA 94603

DATE	6/9/92
FIGURE	1
FILE #	236A
DRAWN BY	MCT
CHECKED BY	JVH

FIG 1

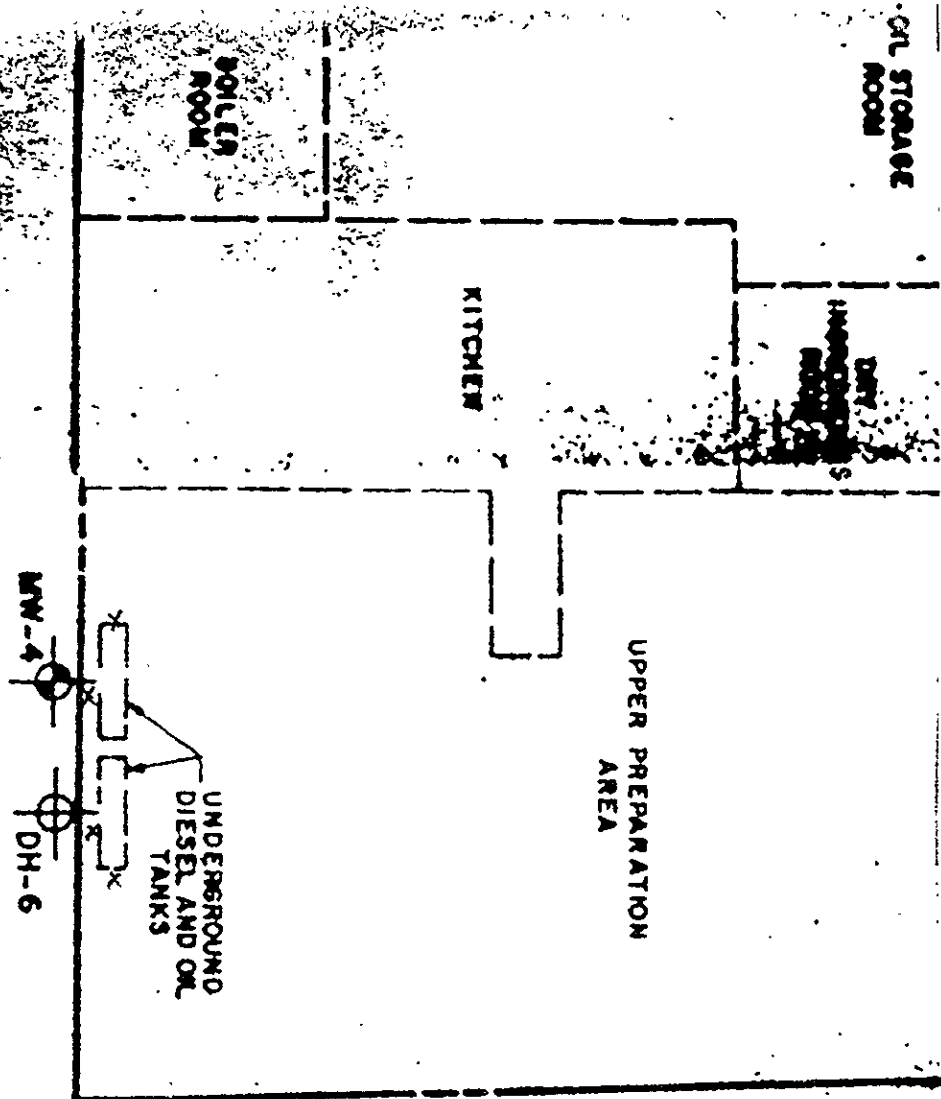
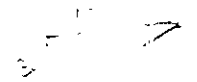


FIG 2

6 13 slide hammer core



98th

AVENUE



SUMMARY OF CHEMICAL TEST DATA - SOIL - sampled 8/25/92
 Units are in mg/kg (ppm)

TABLE 1
 BTEX and TPH-D

<u>Sample Designation</u>	<u>C o n s t i t u e n t s</u>				<u>TPH-D</u>
	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>	
<u>Excavation</u>					
Southwest Wall at 7.5'	ND	ND	ND	ND	10
West Wall at 8.5'	ND	ND	ND	ND	230
Northwest Wall at 8.5'	ND	ND	ND	ND	ND
Bottom, South Center	ND	ND	ND	ND	90
Bottom, North Center	ND	ND	ND	ND	ND
<u>Stockpile Composite Samples</u>					
North End	ND	ND	ND	ND	7700
North One-quarter point	ND	ND	ND	ND	25
South One-quarter point	ND	ND	ND	ND	2
South End	ND	ND	ND	ND	320

ND - None Detected



1414 Stanislaus Street
Fremont, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

Cont. Table 1

BSK-Pleasanton
Pacific American

Date Sampled : 09/21/92
Time Sampled : 0900
Date Received : 09/23/92
Date of Analysis : 09/25/92
Report Issue Date: 09/29/92

Case Number : Ch922517
Lab ID Number : 2517
Project Number : P92202.3
Sample Description: W Wall Center 8.5' @ Top
Sample Type: SOLID

Analyses for Total Petroleum Hydrocarbons as Diesel [TPH(D)]
by Method DHS GC/FID

Results Reported in Milligrams per Kilogram (mg/Kg)

Analyte	Results	DLR
TPH(D)	ND	1

Sample DLR = DLR x DLR Multiplier, DLR Multiplier = 1

DLR: Detection Limit for the Purpose of Reporting.
Exceptional sample conditions or matrix interferences may result in higher detection limits.

ND: None Detected

- * - This sample contains lower molecular weight hydrocarbons.
- ** - This sample contains higher molecular weight hydrocarbons.
- ***-This sample contains both higher and lower molecular weight hydrocarbons.

Cynthia Piggan, QA/QC Supervisor

Jeffrey Creager, Organics Manager

TABLE 2

FOURTH QUARTERLY MONITORING RESULTS - MW-4

C O N S T I T U E N T S						
Sample Date	Sample Location	Benzene (0.3)*	Toluene (0.3)*	Ethylbenzene (0.3)*	Xylenes (0.3)*	TPH as Diesel (50)*
01/10/94	MW-4	ND	0.6	ND	0.3	ND
10/13/93	MW-4	ND	ND	ND	ND	130†
07/12/93	MW-4	ND	ND	ND	ND	ND
04/09/93	MW-4	ND	ND	ND	ND	51

* - Detection Limit

ND - None Detected

† - This value includes hydrocarbons of higher molecular weight than diesel, see Chemical Test Data Sheet.

The Chemical Test Data Sheet is attached to this report, as is the Chain-Of-Custody document.

This report presents the analytical results of the fourth and final scheduled groundwater monitoring of this well, as described in PAMCO's letter of March 22, 1993 to Mr. Alex Eskandari of BSK & Associates.

REPORT DISTRIBUTION

A copy of this report should be forwarded to the Alameda County Department of Environmental Health (ACDEH) for their review. An extra copy of the report has been provided for this purpose. The ACDEH may in turn forward a copy of the report to the Regional Water Quality Control Board.

Alameda County Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Attention: Eva Chew

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