

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY,

DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES

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

September 08, 1999
StID # 4267

REMEDIAL ACTION COMPLETION CERTIFICATION

Mr. Odili Ojukwu
City of Oakland
250 Frank H. Ogawa Plaza, Ste. 5301
Oakland, CA 94612

RE: **Fire Station #25, located at 2795 Butters Drive, Oakland,
CA 94602**

Dear Mr. Ojukwu:

This letter confirms the completion of site investigations and remedial action for the one 550-gallon diesel fuel underground tank removed from 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 tank is greatly appreciated.

Based upon the available information and with provisions 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.

Please contact Juliet Shin at (510) 567-6763 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health

c: J. Shin, Hazardous Materials Division-files
Chuck Headlee, RWQCB
Mr. Dave Deaner, SWRCB Cleanup Fund
Mr. Leroy Griffin, City of Oakland OES, 505 14th St.,
Suite 702, Oakland CA 94612

Off-site beneficial use impacts (addresses/locations):

Report(s) on file? **YES** Where is report(s) filed? **Alameda County** and **Oakland Fire Dept**
1131 Harbor Bay Pkwy and **505 14th St, Ste 510**
Alameda, CA 94502 and **Oakland, CA 94612**

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>
Tank	One 550-gallon	H & H Ship Service Co. 220 China Basin Street San Francisco, CA 94107	03/23/88
Soil	~38 tons	Chemical Waste Management Kettleman Hills 35251 Old Skyline Kettleman City, CA 93239	04/29/88 & 05/20/88

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	NA		NA	
TPH (Diesel)	400	5.9	NA	
Benzene	NA		NA	
Toluene	NA		NA	
Ethylbenzene	NA		NA	
Xylenes	NA		NA	
MTBE	NA		NA	

NA = Not Analyzed

*ND
 CTH - 8/13/99
 per analytical results of 6/7/99*

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? **YES**

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **YES**

Does corrective action protect public health for current land use? **YES**

Site management requirements: **A site safety plan must be prepared for construction workers in the event excavation/trenching is proposed in the vicinity of residual soil and groundwater contamination. Should corrective action be reviewed if land use changes? NO**

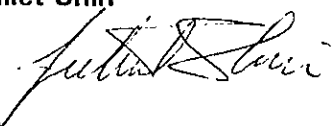
Monitoring wells Decommissioned: **Not Applicable**

List enforcement actions taken: **None**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Juliet Shin**

Title: **Haz Mat Specialist**


Signature: 

Date: **3/11/99**

Reviewed by

Name: **Eva Chu**

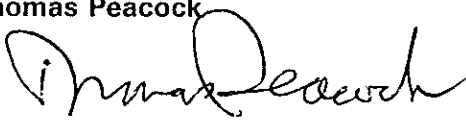
Title: **Haz Mat Specialist**

Signature: 

Date: **2/22/99**

Name: **Thomas Peacock**

Title: **Supervisor**

Signature: 

Date: **3-11-99**

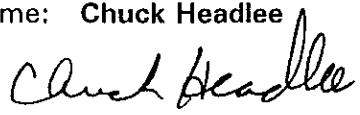
VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response:

RWQCB Staff Name: **Chuck Headlee**

Title: **EG**

Signature: 

Date: **4/9/99**

VII. ADDITIONAL COMMENTS, DATA, ETC.

On March 23, 1988, one 550-gallon diesel underground storage tank (UST) was removed and hauled off site by H & H Ship Services, San Francisco (Refer to attached copies of tank and soil manifests). According to the signed statements of Mr. Tim Murray, the resident engineer who oversaw the tank removal in 1988, one soil sample was collected from below the UST and analyzed for Total Petroleum Hydrocarbons as Diesel (TPHD). Analysis of the soil sample identified 400 ppm TPHD. Per Mr. Murray's statements, the UST pit was overexcavated and another soil sample was collected from the bottom of the excavation. This sample was also analyzed for TPHD and identified 240ppm TPHD. No groundwater was observed in the tank pit. The UST pit was further excavated and a two-point composite sample collected and analyzed for TPHD. Analysis of this sample identified 5.9ppm TPHD (Refer to attached sample analysis results).

According to the Areal and Engineering Geology of the Oakland East Quadrangle map for California, by

Dorothy H. Radbruch, USGS Map GQ-769, 1969; the site is underlain by the Joaquin Miller Formation which is composed of shale, sandstone, and minor conglomerate.

This office is recommending that this site be closed for the following reasons:

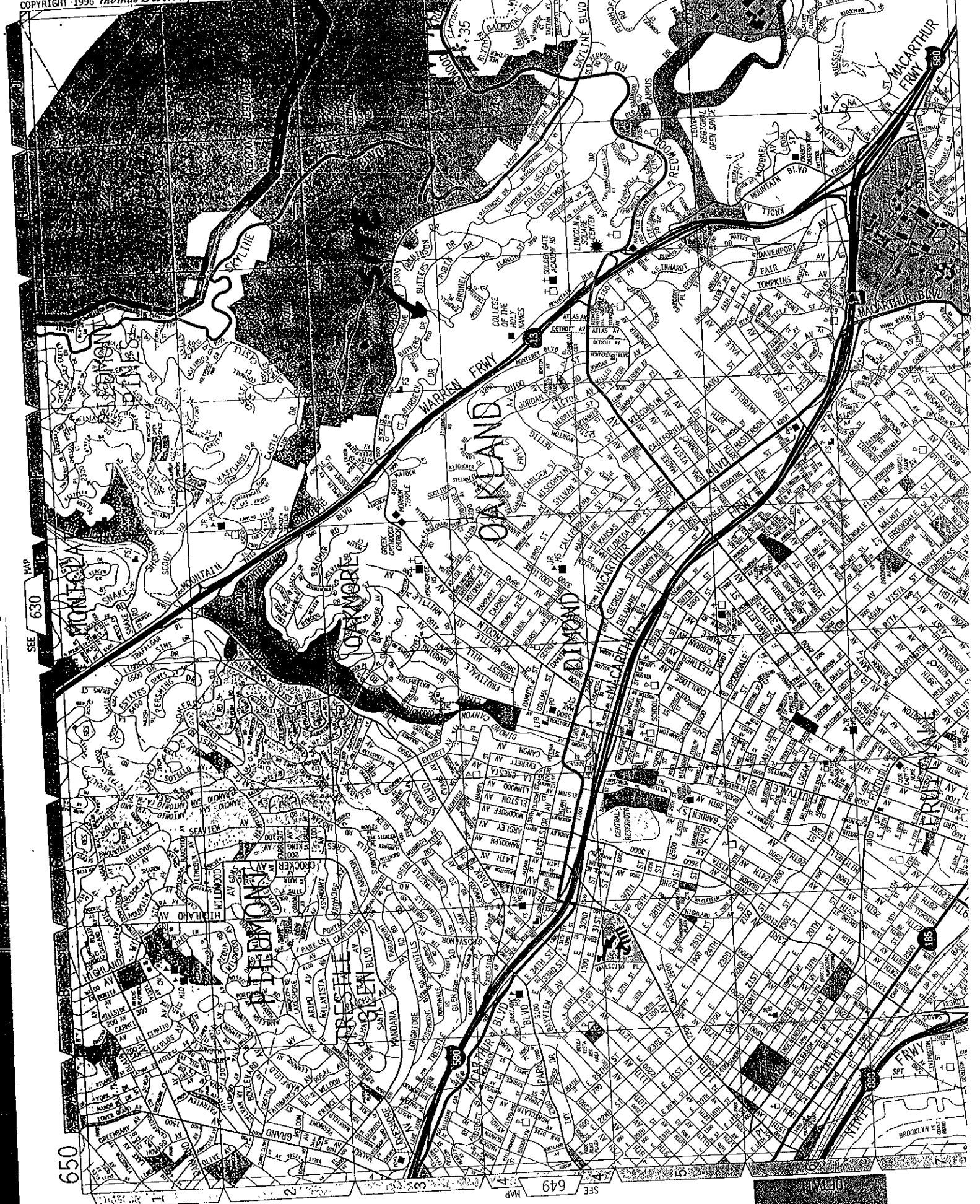
- The initial concentrations of TPHD identified in the soil sample below the former diesel UST were fairly low.
- Up to 38 tons of TPHD-contaminated soil was excavated from the UST pit and disposed of off site.
- No groundwater was encountered in the UST pit.
- TPHD consists of fairly heavy hydrocarbons that are not very mobile or volatile.
- According to researched databases, there are no wells within 2,000 feet of the site and no surface water within 5,000 feet of the site.

SEE 630 MAP

650

649 SEE MAP

MAP



MAP



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Andes Construction
2208 Damuth Street
Oakland, CA 94602
Attn: Dan Mayoros

Date Sampled: 03/23/88
Date Received: 03/23/88
Date Reported: 04/14/88
Project: Firestation 25

TOTAL PETROLEUM HYDROCARBONS

<u>Sample Number</u>	<u>Sample Description</u> Soil,	<u>Detection Limit</u> ppm	<u>High Boiling Point Hydrocarbons</u> ppm
8031700	Firehouse #25	1	400

Method of Analysis: EPA 3550/8015

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



SEQUOIA Analytical Laboratory

2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Andes Construction
2208 Damuth Street
Oakland, CA 94602
Attn: Dan Mayoros

Date Sampled: 04/29/88
Date Received: 04/29/88
Date Reported: 05/03/88

Project: Fire Station #25,
Oakland

TOTAL PETROLEUM HYDROCARBONS

<u>Sample Number</u>	<u>Sample Description</u> Soil,	<u>Detection Limit</u> ppm	<u>High Boiling Point Hydrocarbons</u> ppm
8042164	#1	1	240

Method of Analysis: EPA 3550/8015

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Arthur G. Burton
Laboratory Director



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2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Andes Construction
2208 Damuth Street
Oakland, CA 94602
Attn: Dan Mayorga

Date Sampled: 05/19/88
Date Received: 05/20/88
Date Analyzed: 06/15/88
Date Reported: 06/23/88

Project: Fire Station #25

TOTAL PETROLEUM HYDROCARBONS

<u>Sample Number</u>	<u>Sample Description</u> Soil	<u>Detection Limit</u> ppm	<u>High Boiling Point Hydrocarbons</u> ppm
8051692	#1 & #2 Composite	1.0	5.9

Method of Analysis: EPA 3550/8015

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



Curtis & Tompkins, Ltd.

Page 1 of 1

Aromatic Volatile Organics
EPA 8020 Analyte List

Client: Subsurface Consultants	Analysis Method: EPA 8260A	
Project#: 272.037.21.3	Prep Method: EPA 5030	
Location: City Of Oakland		
Field ID: C-P-2.1	Sampled: 06/07/99	
Lab ID: 139777-002	Received: 06/07/99	
Matrix: Soil	Extracted: 06/08/99	
Batch#: 48500	Analyzed: 06/08/99	
Units: ug/Kg		
Diln Fac: 0.9804		
Analyte	Result	Reporting Limit
MTBE	ND	20
Benzene	ND	4.9
Toluene	ND	4.9
Chlorobenzene	ND	4.9
Ethylbenzene	ND	4.9
m,p-Xylenes	ND	4.9
o-Xylene	ND	4.9
1,3-Dichlorobenzene	ND	4.9
1,4-Dichlorobenzene	ND	4.9
1,2-Dichlorobenzene	ND	4.9
Surrogate	%Recovery	Recovery Limits
1,2-Dichloroethane-d4	97	80-129
Toluene-d8	99	88-111
Bromofluorobenzene	107	76-128

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA1010101016817411314171815** Manifest Document No.

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address **STATION # 25
 2795 Butters Oakland CA.**

A. State Manifest Document Number **87434785**
 B. State Generator's ID

4. Generator's Phone **(415) 444-3327**

C. State Transporter's ID **902401**

5. Transporter 1 Company Name **H&H SHIP SERVICE CO. CA1010101014172111168**

D. Transporter's Phone **415-543-4835**

7. Transporter 2 Company Name

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

9. Designated Facility Name and Site Address **H&H SHIP SERVICE CO.
 220 CHINA BASIN ST.
 SAN FRANCISCO CA. 94107 CA1010101417111168**

G. State Facility's ID
138-10011-1781
 H. Facility's Phone
415-543-4835

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
a. 1	1	550 GAL	517
b.			N/A
c.			
d.			

a. **Empty Diesel tank waste
 Combustible liquid NA 1270**

J. Additional Descriptions for Materials Listed Above
**Empty underground Diesel, waste,
 Hazardous. Storage tank with less
 than 1-gallon Residual Liquid**

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

15. Special Handling Instructions and Additional Information
Gloves, Dry Ice

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 **Andres Egus** Signature **[Signature]** Month Day Year **10/31/88**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name **EDWARD G. MILANO** Signature **[Signature]** Month Day Year **10/31/88**

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 **Cleveland Valera** Signature **[Signature]** Month Day Year **10/31/88**

IN CASE OF AN EMERGENCY USE ONLY - CALL THE NATIONAL HAZARDOUS WASTE HELPLINE 1-800-424-9303 WITHIN CALIFORNIA CALL 1-800-875-7350

