

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

StID 5556 - 5901 Shattuck Avenue, Oakland, CA 94609

March 4, 1997

Mr. Anthony Di Francesco
P.O. Box 11047
Oakland, CA 94611

Mr. Jack La Claire
P.O. Box 1023
Ross, CA 94947

Dear Messrs. Di Francesco and La Claire:


This letter confirms the completion of site investigation and remedial action for the underground storage tank(s) formerly located at 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 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 our office if you have any questions regarding this matter.

Sincerely,


Mee Ling Tung, Director

enclosure

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Lori Casias, SWRCB (with attachment)
Cheryl Gordon, UST Cleanup Fund
Lou Lovotti, 4797 Telegraph Av, Oakland, CA 94609
files-ec (laclaire.5)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: February 21, 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: La Claire & Di Francesco
Site facility address: 5901 Shattuck Ave, Oakland 94609
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 5556
URF filing date: 2/5/96 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:
Jack La Claire & Anthony Di Francesco P.O. Box 1023 510/655-0391
Ross, CA 94947

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
?	??	??	??	??

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 1/31/96
Monitoring Wells installed? Yes Number: One MW, two VEWs
Proper screened interval? Yes, 10 to 25' bgs in MW-1
Highest GW depth below ground surface: 8.71' Lowest depth: 12.43'
Flow direction: Regional GW flows to SW.
Most sensitive current use: Residential
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): NA
Report(s) on file? YES Where is report(s) filed? Alameda County
1131 Harbor Bay Pkwy
Alameda, CA 94502

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	No information available regarding removal of USTs, soil characterization, or remedial action taken		

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before</u> ¹	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	230		11,000	310
TPH (Diesel)				
Benzene	ND		28	1.3
Toluene	0.25		64	0.39
Ethylbenzene	0.30		480	7.8
Xylenes	0.20		630	10

NOTE 1 From boring 2, at 12' depth, near suspected UST location

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: **None, pending site closure**
 Number Decommissioned: **0** Number Retained: **1 MW, 2 VEWS**
 List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature:  Date: 2/22/96

Reviewed by


Name: Dale Klettke Title: Haz Mat Specialist

Signature:  Date: 2/21/96


Name: Barney Chan Title: Haz Mat Specialist

Signature:  Date: 2/22/96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 2/23/96 RB Response: 

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature:  Date: 3/4/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

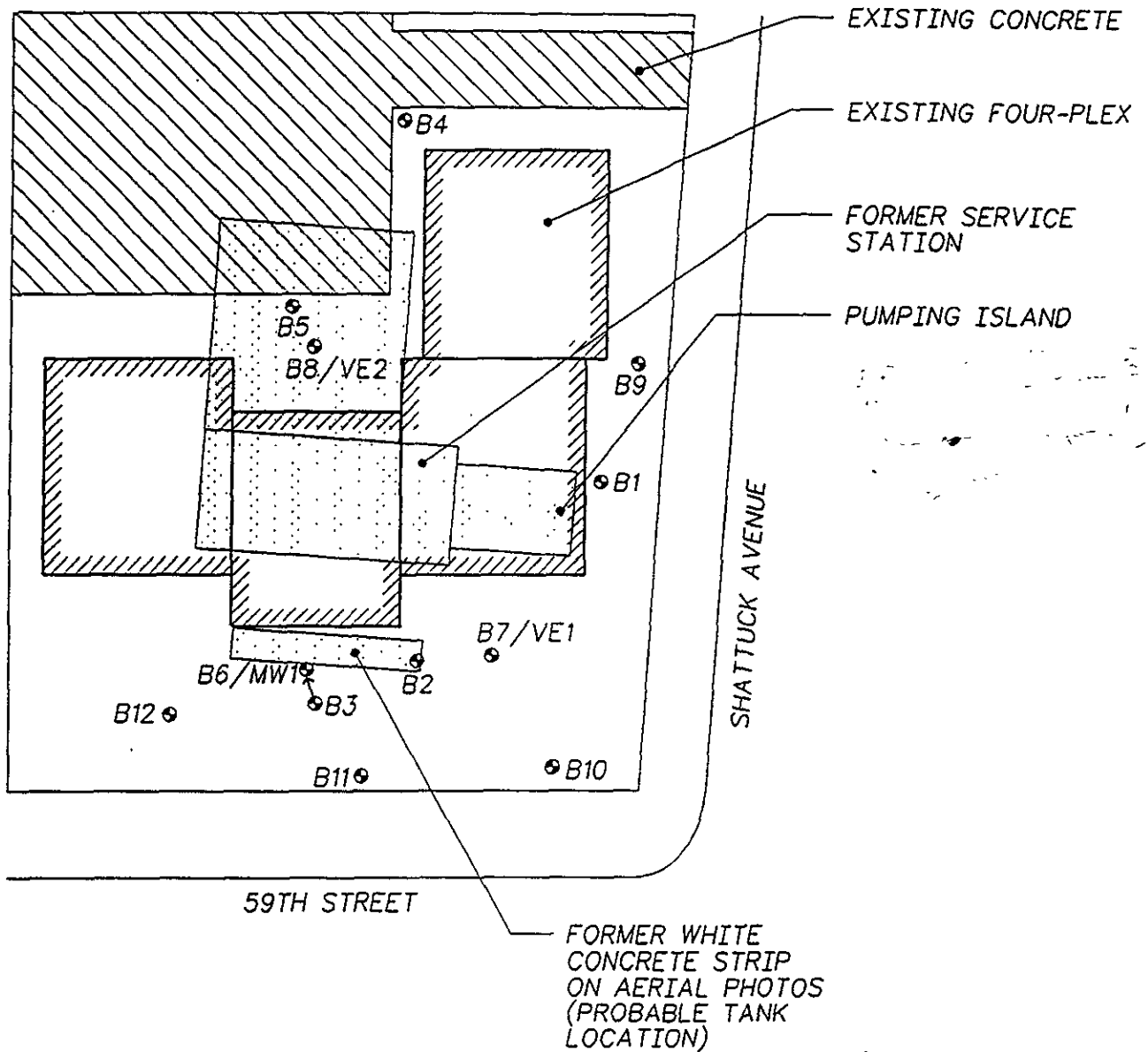
The site was a service station from 1934 through 1968 and currently contains a residential fourplex. There is no documentation of the removal of the former underground storage tanks. A phase 2 assessment was conducted in November through December 1993. Five soil borings (B-1 thru B-5) were drilled to depths of approximately 16'. Petroleum hydrocarbons (230 ppm TPH-G and ND benzene, and trace TEX) were detected from boring B-2 at 12.5' depth. This boring is located in the suspected area of the former USTs. Soil at 16' bgs did not detect TPH-G, TPH-D, or BTEX. (See Fig 1, Table 1)

In March 1995 seven soil borings (B6/MW1, B&/VE1, B8/VE2, B9, B10, B11, and B12) were advanced to delineate the vertical and lateral extent of soil and groundwater contamination. Boring B6 was subsequently converted into monitoring well MW1, and borings B7 and B8 were converted into soil vapor test wells VE1 and VE2. Soil samples revealed trace levels of petroleum hydrocarbons in only one boring (B6/MW1) at a depth of 11.5'. Air samples from vapor wells VE1 and VE2 did not detect TPH-G or BTEX. It appears low levels of soil contamination is limited to the vicinity of the former USTs. (See Fig 1, Table 1)

Monitoring well MW1 is in the vicinity of the former USTs. Initial groundwater analysis in March 1994 exhibited up to 11,000 ppb TPH-G and 28, 22, 370, and 630 ppb BTEX, respectively. In January 1996 groundwater was collected from MW1, VE1 and VE2. Up to 310 ppb TPH-G, and 1.3, 0.39, 7.8, and 10 ppb BTEX, respectively, were detected in well MW1. TPH-G and BTEX

were not found in vapor wells VE1 and VE2. It appears hydrocarbons in groundwater has bioattenuated. Per Mr. Ravi Arulanantham, Staff Toxicologist for the SF-RWQCB, current contaminant levels are not a threat to human health or the environment. Continued monitoring is not warranted. (See Fig 1, Table 2 and 3)

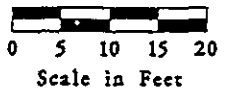
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KEY:

B2 ⊙ = BORING LOCATION

B3 ⊙ = ANGLE BORING



WALLACE • KUHL & ASSOCIATES, INC.
GEOTECHNICAL ENGINEERING
GEOLOGIC & ENVIRONMENTAL SERVICES

SITE PLAN
SHATTUCK AVENUE
Oakland, California

WKA NO: 2563.03
DATE: 3/94
PLATE NO: 1

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR SOIL BORING SAMPLES
 Reported in mg/kg

SAMPLE DATA			EPA 8020 Modified Total Petroleum Hydrocarbons		EPA Method 8015 Purgeable Aromatics			
Sample Designation	Sample Date	Depth Beneath Ground Surface	Gasoline	Diesel/ Motor Oil	Benzene	Toluene	Ethylbenzene	Xylenes
B1-2I	12/27/93	11	<0.5	<10	<0.005	<0.005	<0.005	<0.005
B1-3I	12/27/93	15.5	<0.5	<10	<0.005	<0.005	<0.005	<0.005
B2-2I	12/27/93	12.5	230	<10	<0.05	0.25	0.30	0.20
B2-3I	12/27/93	16	<0.5	<10	<0.005	<0.005	<0.005	<0.005
B3-2I	12/27/93	8.5	<0.5	<10	<0.005	<0.005	<0.005	<0.005
B3-3I	12/27/93	12	<0.5	<10	<0.005	<0.005	<0.005	<0.005
B3-4I	12/27/93	15.5	<0.5	<10	<0.005	<0.005	0.0057	0.0077
B4-2I	12/27/93	10.5	<0.5	<10	<0.005	<0.005	<0.005	<0.005
B4-3I	12/27/93	15.5	<0.5	<10	<0.005	<0.005	<0.005	<0.005
B5-2I	12/27/93	10	<0.5	<10	<0.005	<0.005	<0.005	<0.005
B5-3I	12/27/93	15	<0.5	<10	<0.005	<0.005	<0.005	<0.005
B6/MW1-1I	3/1/94	6.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B6/MW1-2I	3/1/94	11.5	13*	na	<0.005	0.01	0.0052	0.0085
B6/MW1-3I	3/1/94	16.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B6/MW1-4I	3/1/94	21.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B6/MW1-5I	3/1/94	26.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B7/VE1-2I	3/1/94	11.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B7/VE1-3I	3/1/94	14.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B8/VE2-2I	3/1/94	14.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B9-3I	3/2/94	14	<0.5	na	<0.005	<0.005	<0.005	<0.005
B10-2I	3/2/94	14.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B11-1I	3/2/94	8.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B11-2I	3/2/94	14.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B12-1I	3/2/94	8.5	<0.5	na	<0.005	<0.005	<0.005	<0.005
B12-2I	3/2/94	14.4	<0.5	na	<0.005	<0.005	<0.005	<0.005

Notes: na = Not analyzed
 * Product not typical gasoline

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR GROUND WATER AND AIR SAMPLES
 Reported in $\mu\text{g/L}$

SAMPLE DATA			EPA 8015 Modified Total Petroleum Hydrocarbons	EPA Method 602 Purgeable Aromatics			
Sample Designation	Sample Date	Depth to Ground Water Beneath Ground Surface	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes
MW-1	3/9/94	12.04	11000	28	22	370	630
MW-1A	3/24/94	12.43	11000	82	64	480	570
MW-1B	3/24/94	12.43	8300	19	14	200	330
V1	4/18/94	—	< 5.0	< 0.05	< 0.05	< 0.05	< 0.05
V2	4/18/94	—	< 5.0	< 0.05	< 0.05	< 0.05	< 0.05

Notes: MW-1 analyzed after expiration date
 MW-1A sample collected before purging
 MW-1B sample collected after purging
 Vapor reported in molar parts per million (ppm)

Sample: MM-1

From : 5901-5907 Shattuck (Proj. # 2563.04)

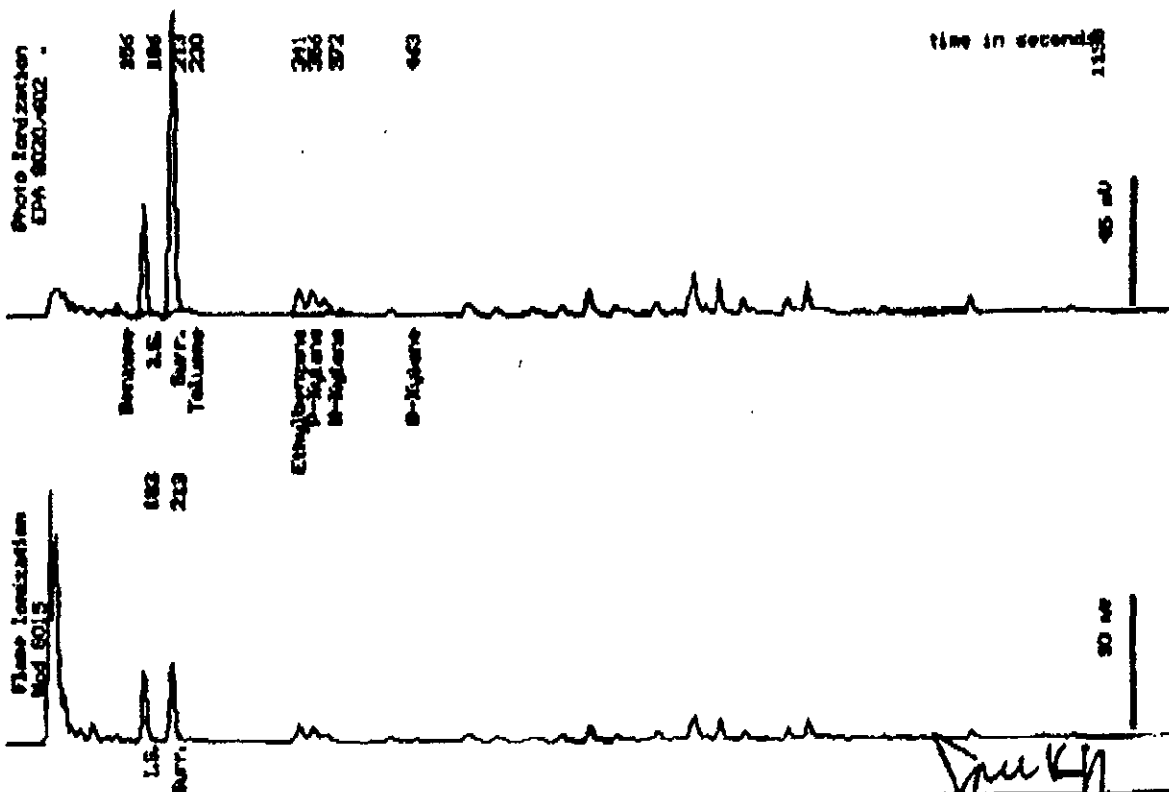
Sampled : 01/19/96

Dilution : 1:1

QC Batch : 4141X

Matrix : Water

Parameter	(MRL) $\mu\text{g/L}$	Measured Value $\mu\text{g/L}$
Benzene	(.30)	1.3
Toluene	(.30)	.39
Ethylbenzene	(.30)	7.8
Total Xylenes	(.50)	10
TPH as Gasoline	(50)	310
Surrogate Recovery		102 %



Date Analyzed: 01-23-96
 Column : 0.52mm ID X 50m DBMIX (J&W Scientific)

Joe Kilf
 Senior Chemist