

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 426 - 1345-75 Grand Ave, Piedmont, CA 94610

June 14, 1995

Mr. Patrick Ellwood
Grand Ave Development
1345 Grand Ave
Piedmont, CA 94610

Dear Mr. Ellwood:

This letter confirms the completion of site investigation and remedial action for the eight former underground storage tanks (six gasoline tanks and two waste oil tanks) removed from the above site in May 30 and June 5, 1986.

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

Very truly yours,

Rafat A. Shahid, Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Mike Harper, SWRCB (with attachment)
files (kraft5)

JUN 02 1995 RG

QUALITY CONTROL BOARD

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: May 22, 1995

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: **Kraft Automotive Service**
 Site facility address: **1345 Grand Ave, Piedmont, CA 94610**
 RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **426**
 URF filing date: **SWEEPS No: N/A**

Responsible Parties: Addresses: Phone Numbers:

Pat Ellwood **1345 Grand Ave**
Grand Ave Development **Piedmont, CA 94610**

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
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3 gasoline, 1 Waste Oil UST removed from 1375 Grand Ave on May 30, 1986

3 gasoline/diesel, 1 Waste Oil UST removed from 1345 Grand Ave on 6/5/86

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**
 Site characterization complete? **YES**
 Date approved by oversight agency: **3/27/95**
 Monitoring Wells installed? **No** Number:
 Proper screened interval? **NA**
 Highest GW depth below ground surface: **NA** Lowest depth:
 Flow direction: **Estimated SE**
 Most sensitive current use: **Residential**
 Are drinking water wells affected? **No** Aquifer name:
 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

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank	8 USTs	Unknown	5/30 and 6/5/86
Piping			
Free Product			
Soil			
Groundwater			
Barrels			

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	ND	ND	14,000	ND
TPH (Diesel)		5		ND
Benzene	NA	ND	580	.5
Toluene	NA	ND	350	ND
Ethylbenzene	NA	10	NA	ND
Xylenes	NA	49	260	ND
Oil & Grease	3,000	ND	NA	NA
Heavy metals				
Other	Cl-HC	ND		ND
	Total Organic Carbon	220		
	Dissolved Oxygen			800

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: **None**

Should corrective action be reviewed if land use changes? **YES**
 Monitoring wells Decommissioned: **NA**
 Number Decommissioned: Number Retained:
 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: 5/31/95

Reviewed by

Name: Juliet Shin Title: Sr. Haz Mat Specialist

Signature: *Juliet Shin* Date: 5/22/95

Name: Madhulla Logan Title: Haz Mat Specialist

Signature: *Madhulla Logan* Date: 5/31/95

VI. RWQCB NOTIFICATION

Date Submitted to RB: 6/1/95

RB Response: *Approved*

RWQCB Staff Name: Kevin Graves

Title: AWRCE

Signature: *Kevin Graves*

Date: 6/1/95

VII. ADDITIONAL COMMENTS, DATA, ETC.

There is no closure report available for the removal of 4 USTs (3 gasoline, 1 W.O.) from 1375 Grand Ave, and 4 USTs (3 gasoline, 1 W.O.) from 1345 Grand Ave, except for analytical results of soil and "grab" groundwater samples collected in May - June 1986.

1345 Grand Avenue

Up to 3,000 ppm TOG was detected in a soil sample collected from the waste oil pit, at 7.5' depth. It appears the pit was overexcavated to 8' depth where a soil sample collected did not detect TOG. No analytical results are available for TPH-G, TPH-D, Cl-HC, semi-volatile compounds, or metals.

TPH-G and TPH-D were not detected in soil samples collected at 6.5' depth from the fuel tank pit. A "grab" groundwater sample collected did not detect TPH-G or BTX. There are no analytical results available for any other hydrocarbon constituents.

1375 Grand Avenue

A "grab" groundwater sample collected from the eastern-most fuel tank pit detected 14 ppm TPH-G, .58, .35, and .26 ppm BTX, respectively. Soil samples collected at 8 and 13' depth did not detect TPH-G.

TOG, the only constituent sought, was not detected from a soil sample collected from the waste oil tank pit.

Recent Investigations conducted February 23, 1995

Three temporary wells, TW 1, 2, and 3, were advanced in the estimated downgradient direction (based on a report by Hallenbeck Associated, Soil Investigation for Office Building Complex, October 11, 1985) from the former waste oil tank pit at 1345 Grand Ave (approximately 15' away), and from the former gasoline tank pits at 1345 and 1375 Grand Ave (approximately 40' away).

Soil collected from the borings TW-2 and TW-3, downgradient from the fuel pits, did not exhibit detectable levels of TPH-G or BTEX. Soil collected, but not analyzed, from TW-3 at 3 to 5' depth exhibited moderate hydrocarbon odors. However, odors were not present beyond 5' depth, as verified by soil collected at 6.5' depth, which did not contain TPH-G or BTEX.

Soil collected from boring TW-1, downgradient from the waste oil pit, detected low to non-detectable levels of TPH-G, TPH-D, BTEX, and chlorinated hydrocarbons. Metal concentrations (Cd, Cr, Pb, Ni, Zn) did not exceed 10X the STLC and appears to be normal background levels.

Groundwater was encountered at approximately 9' depth in borings TW-2 and TW-3. Water was not encountered in boring TW-1. "Grab" groundwater samples did not detect hydrocarbon constituents sought, except for 0.5 ppb benzene in TW-3. Semi-volatile compounds were not analyzed. When this became apparent, the holding time had already been exceeded.

There appears to be low levels of residual hydrocarbons in soil (5 ppb TEH, 49ppb xylenes and 10 ppb ethylbenzene) and groundwater (.5 ppb benzene). However, the levels are not significant to be of risk to human health or the environment. Permanent monitoring wells are not warranted at this time.

Table 1.
Analytical Results - Soil Samples

<u>Soil Sample</u> <u>Boring & Depth</u>	<u>TVH¹</u> <u>(mg/kg)</u>	<u>Benzene</u> <u>(ug/kg)</u>	<u>Toluene</u> <u>(ug/kg)</u>	<u>Ethyl- benzene</u> <u>(ug/kg)</u>	<u>Total</u> <u>Xylenes</u> <u>(ug/kg)</u>	<u>TEH²</u> <u>(ug/kg)</u>	<u>VOC³</u> <u>(ug/kg)</u>	<u>Cd</u> <u>(mg/kg)</u>	<u>Cr</u> <u>(mg/kg)</u>	<u>Pb</u> <u>(mg/kg)</u>	<u>Ni</u> <u>(mg/kg)</u>	<u>Zn</u> <u>(mg/kg)</u>	<u>TO</u> <u>(mg/kg)</u>
TW1 @ 2'	<1	<5	<5	10	49	5*	ND	<0.25	27	7.9	31	34	N
TW2 @ 7.5'	<1	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	N
TW3 @ 6.5'	<1	<5	<5	<5	<5	NA	NA	NA	NA	NA	NA	NA	22

¹ Total volatile hydrocarbons

² Total extractable hydrocarbons

³ Volatile organic compounds (other than BTEX)

⁴ Total organic carbon

* Diesel range quantitation. Sample chromatogram does not resemble diesel standard.

Oil range components contributed to diesel range quantitation. Kerosene range not reported due to overlap of hydrocarbon ranges.

NA = Not analyzed

ND = None detected

Table 2.
Analytical Results - Groundwater Samples

<u>Groundwater Sample Boring</u>	<u>TVH¹ (ug/l)</u>	<u>Benzene (ug/l)</u>	<u>Toluene (ug/l)</u>	<u>Ethyl- benzene (ug/l)</u>	<u>Total Xylenes (ug/l)</u>	<u>TEH² (ug/l)</u>	<u>VOC³ (ug/l)</u>	<u>Cd (ug/l)</u>	<u>Cr (ug/l)</u>	<u>Pb (ug/l)</u>	<u>Ni (ug/l)</u>	<u>Zn (ug/l)</u>	<u>DO⁴ (mg/l)</u>
TW 2	<50	<5	<5	<5	<5	<50	ND	<5	<10	<3	<20	32	NA
TW 3	<50	0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	0.8

¹ Total volatile hydrocarbons

² Total extractable hydrocarbons

³ Volatile organic compounds (other than BTEX)

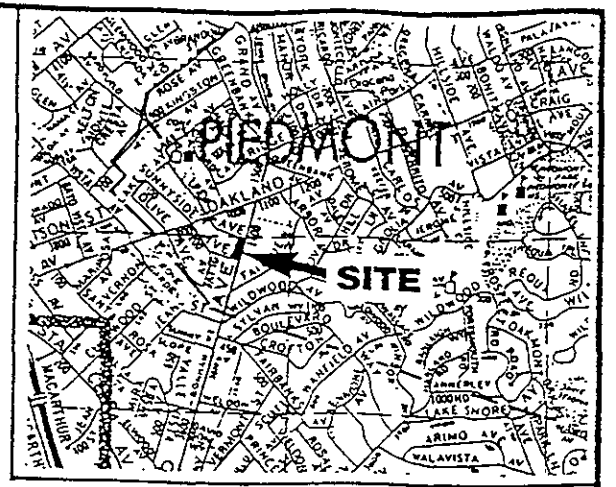
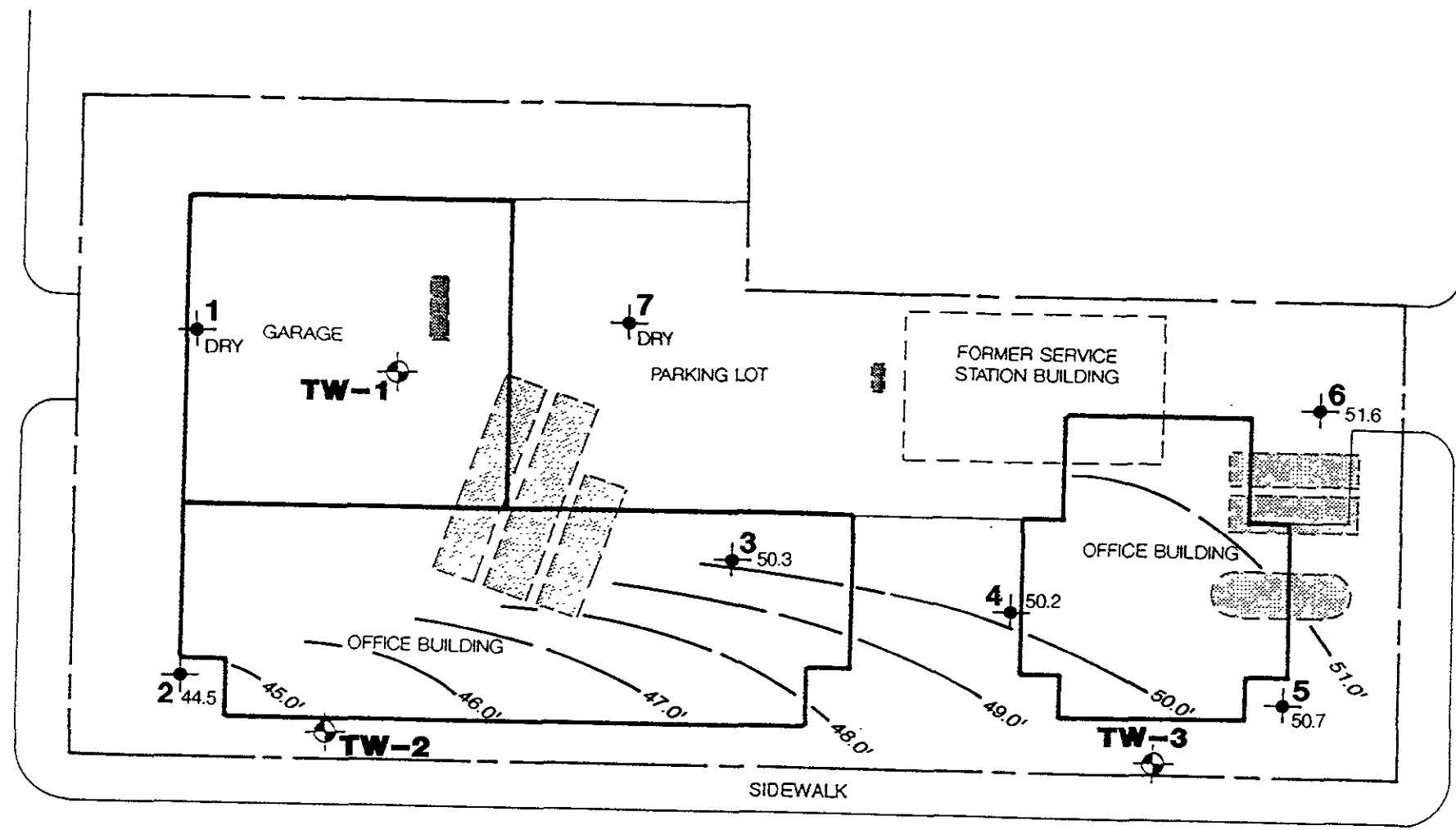
⁴ Dissolved oxygen

NA not analyzed






ND none detected

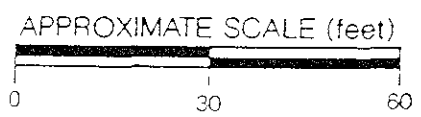
SUNNYSIDE AVENUE

LINDA AVENUE



VICINITY MAP

-  TEST BORING BY SCI
-  TEST BORING BY HALLENBECK AND STATIC
-  GROUNDWATER ELEVATION CONTOUR (FEET MSL)
-  FORMER UNDERGROUND GASOLINE TANK
-  FORMER UNDERGROUND WASTE OIL TANK



GROUNDWATER ELEVATION CONTOURS
AUGUST 1985

Subsurface Consultants

1345-1375 GRAND AVENUE - PIEDMONT CA
JOB NUMBER 740 003
DATE 3/2/95
APPROVED

PLATE
2

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: April 5, 1995

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: Kraft Automotive Service
Site facility address: 1345 Grand Ave, Piedmont, CA 94610
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 426
URF filing date: SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Pat Ellwood Grand Ave Development	1345 Grand Ave Piedmont, CA 94610	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
23	6,000-gallon	gasoline, 1 Waste Oil UST	removed	from 1375 Grand Ave on May 30, 1986
3	gasoline,	2 Waste Oil UST	removed	from 1345 Grand Ave on June 5, 1986

↑ 1 drum?

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
Site characterization complete? YES
Date approved by oversight agency: 3/27/95
Monitoring Wells installed? No Number:
Proper screened interval? NA
Highest GW depth below ground surface: NA Lowest depth:
Flow direction: Estimated SE
Most sensitive current use: Residential
Are drinking water wells affected? No Aquifer name:
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

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank	8 USTs	Unknown	5/30 and 6/5/86
Piping			
Free Product			
Soil			
Groundwater			
Barrels			

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	ND	ND	14,000	ND
TPH (Diesel)		5		ND
Benzene	NA	ND	580	ND
Toluene	NA	ND	350	ND
Ethylbenzene	NA	10	NA	ND
Xylenes	NA	49	260	ND
Oil & Grease	3,000	ND	NA	NA
Heavy metals				
Other	Cl-HC	ND		ND
	Total Organic Carbon	220		
	Dissolved Oxygen			800

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: **None**

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

Monitoring wells Decommissioned: **NA**

Number Decommissioned: Number Retained:

List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

collected from the waste oil tank pit.

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There appears to be low levels of residual hydrocarbons in soil and groundwater. However, the levels are not significant to be of risk to human health or the environment. Permanent monitoring wells are not warranted at this time.

Mention the concentrations

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature: Date:

Reviewed by

Name: Juliet Shin Title: Sr. Haz Mat Specialist

Signature: *Juliet Shin* Date: 4/21/95

Name: Madhulla Logan Title: Haz Mat Specialist

Signature: *Madhulla Logan* Date:

VI. RWQCB NOTIFICATION

Date Submitted to RB: RB Response:

RWQCB Staff Name: Kevin Graves Title: AWRCE

Signature: Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

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