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

November 21, 1994

STID 4394

REMEDIAL ACTION COMPLETION CERTIFICATE

Lorraine Berg
Barbara Paxton
5079 Seaview Avenue
Castro Valley, CA 94546

RE: ABC AUTO REPAIR, 15960 EAST 14TH STREET, SAN LEANDRO

Dear Ms. Berg and Paxton:

This letter confirms the completion of site investigation and remedial action for the two approximate 250 gallon underground storage tanks at the referenced location.

Based on 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 storage 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 Scott Seery at (510) 567-6783 if you have any questions regarding this matter.

Sincerely,

Rafat A. Shahid
Director of Environmental Services

cc: Edgar B. Howell, Chief, Environmental Protection Division
Kevin Graves, RWQCB
Mike Harper, SWRCB

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION **Date: September 16, 1994**

Agency name: **Alameda County-HazMat** Address: **80 Swan Wy., Rm 200**
City/State/Zip: **Oakland** Phone: **(510) 271-4320**
Responsible staff person: Scott Seery Title: **Sr. Haz. Materials Spec.**

II. CASE INFORMATION

Site facility name: ABC Auto Repair
Site facility address: 15960 East 14th Street, San Leandro, 94578
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: 4394
URF filing date: 3/31/92 SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Lorraine Berg and Barbara Paxton	5079 Seaview Ave Castro Valley, CA 94546	UNK

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	250 gal	gasoline	removed	3/31/92
2	" "	"	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: tank leak (holes in both USTs))

Site characterization complete? YES

Date approved by oversight agency:

Monitoring Wells installed? YES Number: one

Proper screened interval? YES

Highest GW depth below ground surface: 7.2' Lowest depth: 8.19'

Flow direction: assumed NW (from data acquired from nearby sites)

Most sensitive current use: commercial

Are drinking water wells affected? NO Aquifer name: NA

Is surface water affected? NO Nearest affected SW name: NA

Off-site beneficial use impacts (addresses/locations): none

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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:

Material	Amount (include units)	Action (Treatment of Disposal w/destination)	Date
Tank	2 x 250 gal	Erickson, Inc., Richmond	3/31/92
Piping	NA		
Free Product	220 gal (rinsate)	PRC Refinery Services, Patterson	3/31/92
Soil	126 yds^3	aeration/transport to BFI, Livermore	9/9/92

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)
Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After
TPH (Gas)	1100	ND	10	0.087
TPH (Diesel)	NA		NA	
Benzene	9.9	ND	ND	ND
Toluene	5.8	"	0.10	"
Xylene	82	0.032	ND	"
Ethylbenzene	7.8	0.013	"	"
Oil & Grease	NA		NA	
Heavy metals (Pb)	9.6	NA	ND	NA

Comments (Depth of Remediation, etc.):

Two (2) approximate 250 gallon USTs removed 3/31/92. Both USTs appeared to be former pressure vessels or maritime channel marker buoys. Both exhibited holes in a range of sizes. One sample was collected from below each tank initially. Soil was obviously stained, and old product odor evident. After receipt of the initial sample results (up to 1100 ppm TPH-G), the pit was subsequently overexcavated to the approximate dimensions of 15.5 x 16.5 x 8.5 feet (LxWxD). Apparent GW had collected in the pit bottom. A "grab" water sample was collected (SEE: "Before" water sample results, above.) Most of the obviously-contaminated material had been removed, revealing tan colored native sediments. Samples from the four pit sidewalls were collected for analyses from a depth of approximately 7-8 feet BG (SEE: "After" soil sample results, above.)

The hole was subsequently deepened to approximately 10.5 feet BG when it was discovered that, upon an attempt to collect bottom samples after initial overexcavation, gasoline odors remained. As the pit deepened, more apparent GW welled into the pit from below. Vertical excavation continued until reaching a tan colored native material seemingly void of HC odor. No bottom sample was collected. A total of 126 yds^3 of soil was excavated.

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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: NA

Should corrective action be reviewed if land use changes? YES

Monitoring wells Decommisioned: NO (pending site closure)

Number Decommisioned: NA Number Retained: one

List enforcement actions taken: none

List enforcement actions rescinded: none

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Scott Seery Title: Sr Haz Mat Specialist
Signature: Date: 10-3-94

Reviewed by
Name: Jennifer Eberle Title: Haz Mat Specialist
Signature: Date: 10-3-94

Name: Barney Chan Title: Haz Mat Specialist
Signature: Date: 10/3/94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 10-3-94 RB Response: Approved
RWQCB Staff Name: Kevin Graves Title: San. Engineering Asso. Date: 11-27-94

VII. ADDITIONAL COMMENTS, DATA, ETC.

Two (2) approximately 250 gallon USTs removed 3/31/92. Both appeared to be pressure vessels or maritime channel marker buoys. Both USTs exhibited holes up to 6cm across. Soil samples were collected both immediately following UST closure and following overexcavation [SEE: *Comments (Depth of Remediation, etc.)* section, above, for details of excavation activities].

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Following a 6 month period of on-site aeration of the approximate 126yds^3 of HC-impacted material excavated from the UST pit, it was transported to BFI landfill in Livermore for disposal.

A single boring was emplaced within 10 feet of the former tank pit in the presumed downgradient (NW) direction. Flow direction information was derived from substantial data acquired during GW investigations at two proximal sites (16035 and 15803 E. 14th St.). Both sites indicate a prevalent flow of NW to NE. This boring was converted to a GW monitoring well.

Soil collected during boring advancement at the 9 foot depth, the only soil sample collected as a result of shallow GW conditions, revealed only 59 ppm TPH-G, and no benzene or toluene. Only minor concentrations of ethylbenzene (0.12 ppm) and xylene isomers (0.26 ppm) were noted.

The well was sampled for 5 quarters, 3/93 through 3/94. Up to 130 ppb TPH-G was detected during the course of this project; the last sample, collected 3/24/94, revealed only 87 ppb TPH-G. No aromatics were detected at all for the duration of this GW investigation.

TABLE 1

SUMMARY OF ANALYTICAL TEST RESULTS - SOIL
(Results reported in parts per million, mg/kg) (1)

Sample ID	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
Excavation						
#1 South (soil)	1,100	1.2	5.8	7.8	82	9.6
#2 North (soil)	5.8	9.9	ND	0.06	0.24	3.5
2E-1 (soil)	ND	ND	ND	ND	ND	---
2N-2 (soil)	ND	ND	ND	ND	ND	---
2W-3 (soil)	ND	ND	ND	0.0074	0.020	---
2S-4 (soil)	ND	ND	ND	0.013	0.032	---
Exploratory Boring						
MW-1 (9.0')	59	ND	ND	0.12	0.26	

Notes:

(1) ND - non-detect
--- - not tested for

TABLE 2

SUMMARY OF ANALYTICAL TEST RESULTS - GROUND WATER
(Results reported in parts per billion, ug/l) (1)

Well/Date	TPH Gasoline	Benzene	Toluene	Xylenes	Ethyl-benzene	Lead
Excavation						
4/14/92 (grab) 4/15/92 (grab)	10,000	ND	100	ND	ND	ND
Monitoring Well						
MW-1						
3/19/93	81	ND	ND	ND	ND	
6/28/93	86	ND	ND	ND	ND	
9/29/93	130	ND	ND	ND	ND	
12/28/93	110	ND	ND	ND	ND	
3/24/94	87	ND	ND	ND	ND	

Notes:

(1) ND - non-detect; N/A - not applicable