

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510)567-6700

REMEDIAL ACTION COMPLETION CERTIFICATION

3/6/96

Ms. Erma DeLucchi
P.O. Box 11270
Oakland, CA 94611

UNDERGROUND STORAGE TANK (UST) CASE
Re: Automotive Auto Repair, 2425 Central Ave., Alameda, CA 94501
Site No. 4365

Dear Ms. DeLucchi,

This letter confirms the completion of site investigation and remedial action for the four underground storage tanks, one 10,000-gallon gasoline, one 6,000-gallon gasoline, and two 750-gallon waste oil tank, formerly located at the above described location. 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 storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e). If a change in land use is proposed, the owner must promptly notify this agency.

Please telephone Juliet Shin at (510) 567-6700 if you have any questions regarding this matter.

Sincerely,

Jun Makishima, Interim Director

c: Acting Chief, Hazardous Materials Division - files
Juliet Shin, ACDEH
Kevin Graves, RWQCB
Mike Harper, SWRCB

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 12/28/95

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy.
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Juliet Shin Title: Senior HMS

II. CASE INFORMATION

Site facility name: Automotive Auto Repair
Site facility address: 2425 Central Ave., Alameda, CA 94501
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 4365
URF filing date: 8/3/95 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Ms. Erma DeLucchi	P.O. Box 11270	(510)531-0197
Automotive Auto Repair	Oakland, CA 94611	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	10,000	gasoline	removed	10/15/87
2	6,000	"	"	"
3	750	waste oil	"	"
4	750	"	"	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown

Site characterization complete? YES

Date approved by oversight agency:

Monitoring Wells installed? YES Number: one

Proper screened interval? Uncertain. The March 18, 1988 report, prepared by Pavlak & Associates, states that the monitoring well was installed down to 25-feet bgs with 13 feet of screen. However, all of the Aqua Science groundwater monitoring reports state that the depth of the well is 18.9-feet bgs, and, according to Scott Ferriman, Aqua Science, the well screen

Leaking Underground Fuel Storage Tank Program

was recently visually observed above the water table by placing a strong light down the well. According to Mr. Robert Kitay, Aqua Science, it doesn't appear that the change in the depth of the well can be attributed to sedimentation. Mr. Kitay stated that if this degree of sedimentation occurred in this well, significant turbidity would have been noted in this well, and this has apparently not been the case with the site's well.

Highest GW depth below ground surface: 6.67' bgs Lowest depth: 9.72' bgs

Flow direction: Unknown Most sensitive current use: Unknown

Are drinking water wells affected? NO Aquifer name: Unknown

Is surface water affected? NO Nearest affected SW name: None

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</u> (include units)	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tanks	4 tanks	Eastern Alameda County Disposal Site as scrap	10/15/87(?)
Rinsate	1,100-gallons	H & H Ship Service Co. 220 China Basin San Francisco, CA	10/15/87

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	22,000	410	ND	ND
TPH (Diesel)	NA	ND	NA	
Benzene	1.5	NA	0.6	ND
Toluene	7.5	NA	2	2
Xylene	300	NA	2	2
Ethylbenzene	5.8	NA	ND	ND
MTBE	NA	NA	ND	
Motor Oil	5,600	NA	NA	
Oil & Grease	9,200	ND	NA	
Purgeable Halocarbons	ND	NA	NA	
Dissolved lead			ND	

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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? **NO**

Monitoring wells Decommissioned: **NO Will be decommissioned upon receipt of case closure.**

Number Decommissioned:

Number Retained:

List enforcement actions taken: **None**

List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Juliet Shin

Title: Senior HMS

Signature: *Juliet Shin*

Date: *2/1/96*

Reviewed by

Name: Eva Chu

Title: Hazardous Materials Specialist

Signature: *Eva Chu*

Date: *1/31/96*

Name: Dale Klettke

Title: Hazardous Materials Specialist

Signature: *Dale Klettke*

Date: *1/30/96*

VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response: *Approved*

RWQCB Staff Name: Kevin Graves

Title: San. Engineering Asso. Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

On October 15, 1987, four underground storage tanks (USTs), (one 10,000-gallon and one 6,000-gallon in one pit, and two 750-gallon in another pit), were removed from the above site. It appears that the first two USTs were used for storing gasoline and the smaller two USTs were used to store waste oil. Two soil samples were collected from the gasoline tank excavation at approximately 12-feet

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below ground surface (bgs) (samples #1 and #2) and the waste oil tank excavation at approximately 8-feet bgs (samples #3 and #4) (refer to attached figure). Samples #1 and #2 were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg) and benzene, toluene, and total xylenes (BTX). Samples #3 and #4 were analyzed for TPH as motor oil (TPHmo), Oil & Grease, and 8010 and 8020 constituents, which include BTX and some chlorinated hydrocarbons. Analysis of Sample #2 identified 22,000 parts per million (ppm) TPHg, 1.5 ppm benzene, 7.5 ppm toluene, and 300 ppm total xylenes. Analysis of Sample #3 identified 9,200 ppm Oil & Grease, 5,600 ppm TPHmo, 5.8 ppm ethylbenzene, and 6.5 ppm total xylenes.

It appears that deeper sidewall soil samples were collected with a slant boring to determine the extent of the contamination. Confirmatory soil samples collected from the gas tank excavation, samples #1 through #6 and samples #8 & #9, were analyzed for TPHg only, and up to 410 ppm was identified in sample #2. Confirmatory soil samples collected from the waste oil tank excavation, samples #7 and #12, were analyzed for Oil & Grease, TPH as diesel, and 8010 and 8020 constituents. Only 2.6 and 2.5 parts per billion (ppb) of methylene chloride was identified in these samples. There is no documentation available for the fate of the excavated soil.

On February 8, 1988, one well, MW-1, was drilled in the middle of the former gasoline tank pit (refer to attached figure). The well was drilled down to 25-feet bgs, and groundwater was encountered at 14.5-feet bgs. According to the March 18, 1988 well installation report by Pavlak, no evidence of soil contamination was revealed during drilling.

Well MW-1 has been monitored on a quarterly basis from March 13, 1995 to December 4, 1995. Groundwater samples were analyzed for TPHg, BTEX, dissolved lead, and MTBE. Only low levels of benzene, toluene, and xylenes were identified during this sampling period (0.6 ppb benzene, 2 ppb toluene, and 2 ppb total xylenes).

Based on the fact that most of the contaminated soil appears to have been excavated from the site and groundwater sample results are showing levels below drinking water standards, it appears that this site is ready for closure.



was compared with responses generated by analysis of analytical grade standards for purposes of qualitative and quantitative interpretation.

Results of analyses are summarized in Tables 1-3. Attached is the sample custody document. Please feel welcome to contact us should you have questions regarding procedures or results.

Submitted by:

Approved by:

maureen Porter / for
Kim L. Hansard
Project Chemist

William G. Rotz
William G. Rotz
Project Manager

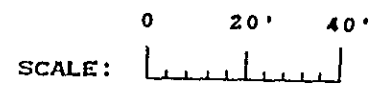
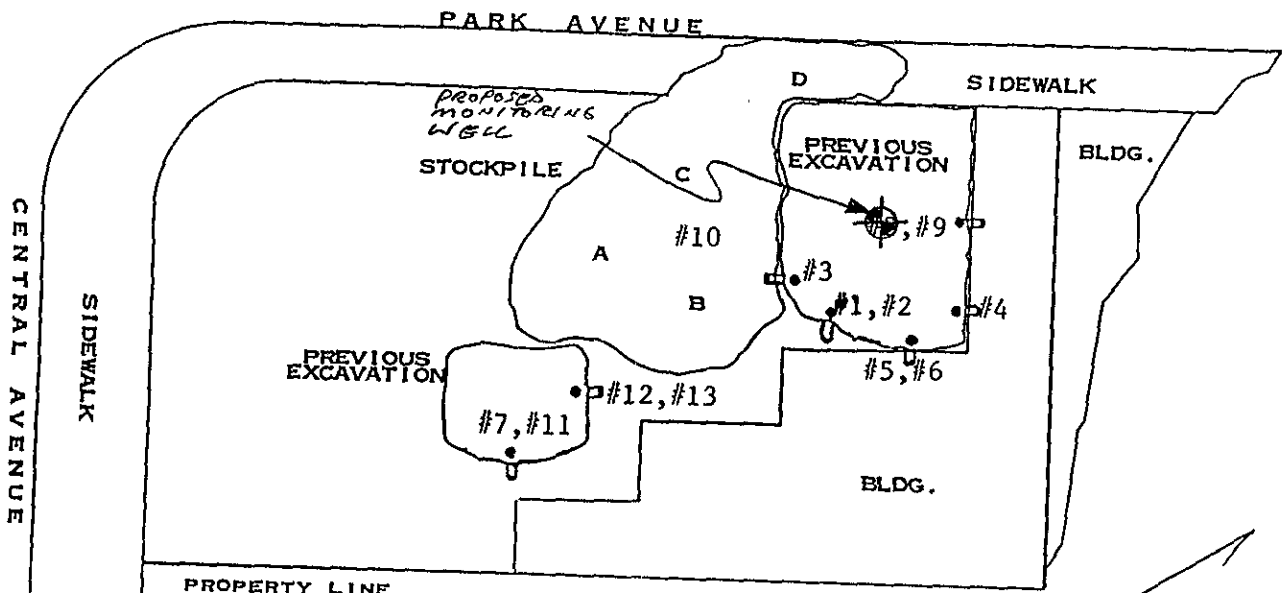
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Enc: Sample Custody Document

TABLE 1. ANALYTICAL RESULTS FOR TWO SOIL SAMPLES IDENTIFIED AS "87302C1" RECEIVED OCTOBER 29, 1987 - OIL & GREASE AND EXTRACTABLE PETROLEUM HYDROCARBONS

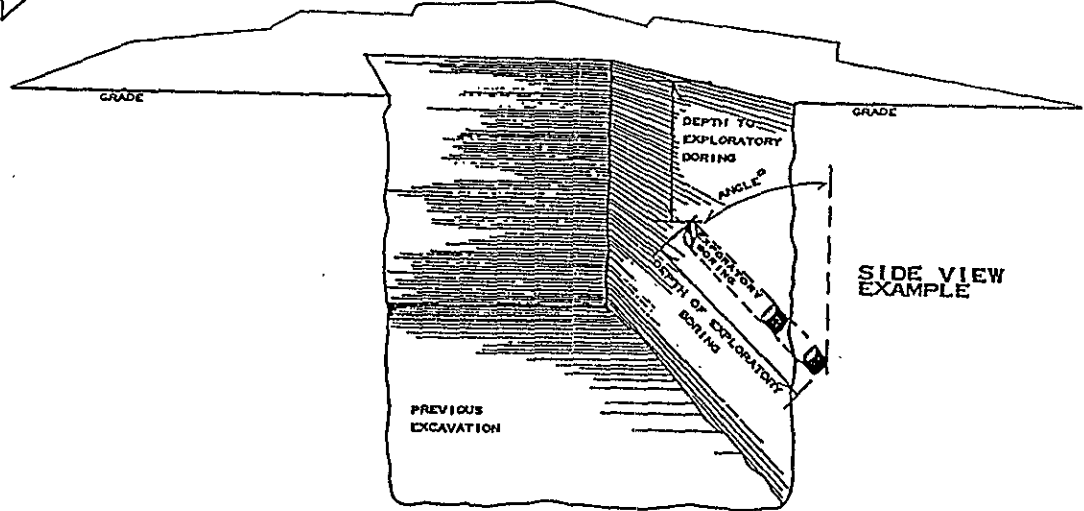
		Results (mg/Kg) ^a	
ANATEC Lab No.	Sample I.D.	Oil & Grease	Extractable Petroleum Hydrocarbons, as Diesel Fuel
1503-7	#7	<20	<10
1503-12	#12	<20	<10

^amg/Kg--Data are expressed as milligrams analyte per kilogram sample, as-received basis.



MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P.11 D-5

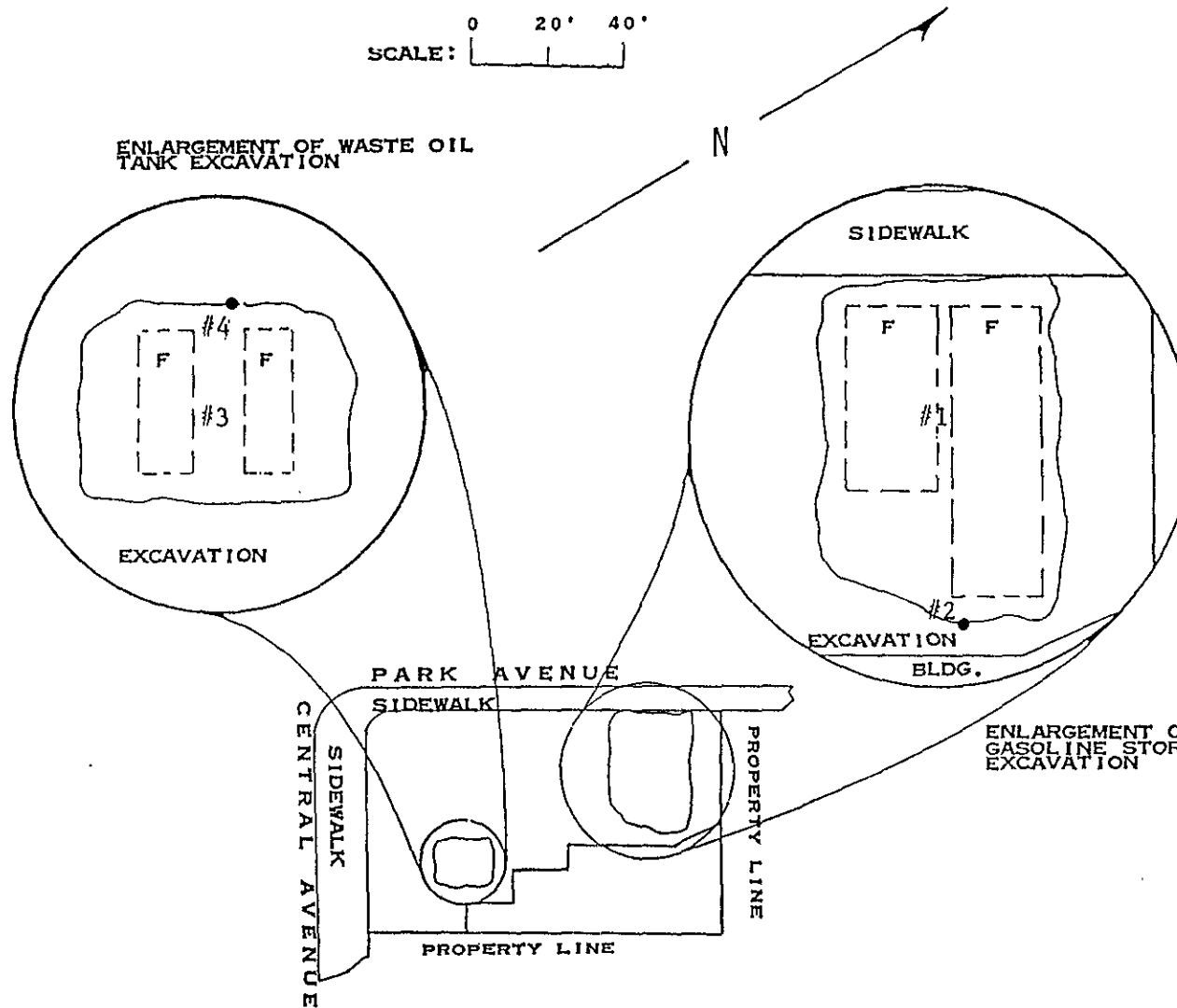
SAMPLING PERFORMED BY STEPHEN CARTER
DIAGRAM PREPARED BY BRENT ADAMS



MAP REF: THOMAS BROS.
ALAMEDA COUNTY
P.11 D-5

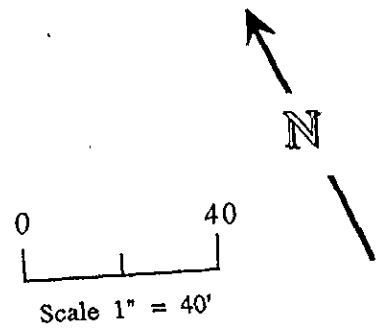
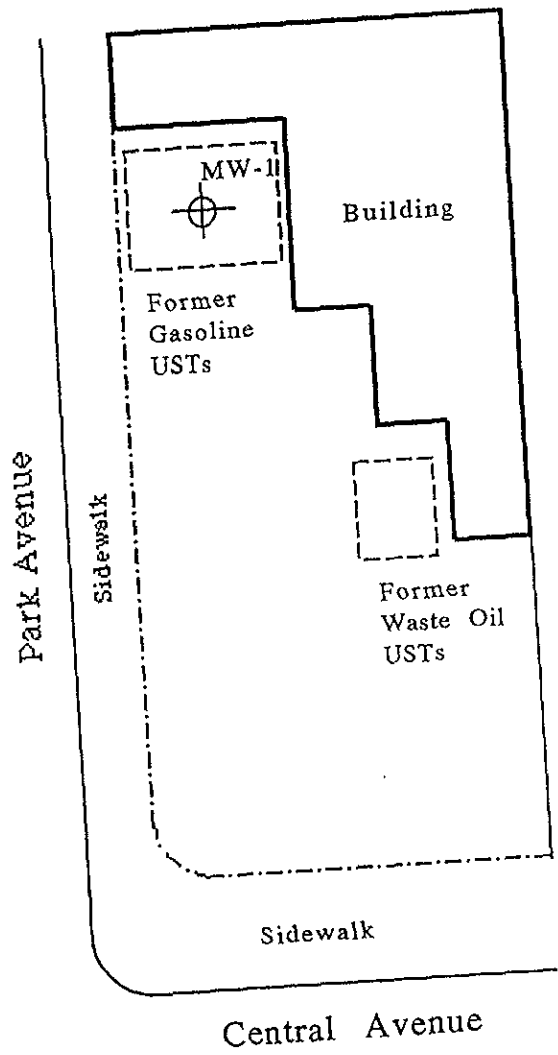
LEGEND: F = FILL END

SCALE: 0 20' 40'



- #1 SOIL FROM 12.5' ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS (TPH) AS GASOLINE AND BENZENE, TOLUENE AND XYLENES (BTX) AT ANATEC LABORATORY ANATEC LAB NO.
- #2 SOIL FROM WALL AT 12' ANALYSIS FOR TPH AS GASOLINE AND BTX AT ANATEC LABORATORY ANATEC LAB NO.
- #3 SOIL FROM 8' ANALYSIS FOR TPH-HIGH BOILING FRACTION (HBF) AND TOTAL OIL AND GREASE (TOG), EPA 8010, EPA 8020 ANATEC LAB NO.
- #4 SOIL FROM WALL AT 8' ANALYSIS FOR TPH-HBF, TOG, EPA 8010 AND EPA 8020 ANATEC LAB NO.

SAMPLING PERFORMED BY STEPHEN CARTER
DIAGRAM PREPARED BY BRENT ADAMS



Monitoring Well
Location Map

DELLUCHI PROPERTY
2425 CENTRAL AVENUE
ALAMEDA, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 2

TABLE ONE
Summary of Chemical Analysis of GROUNDWATER Samples
 All Results are in parts per billion

Date of Sampling	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE	Dissolved Lead
MW-1							
03-13-95	<50	0.6	2	<0.5	2	---	<40
06-02-95	<50	<0.5	<0.5	<0.5	2	---	<40
09-14-95	<50	<0.5	1	<0.5	2	---	---
12-04-95	<50	<0.5	2	<0.5	2	<50	---
EPA METHOD	5030/ 8015	8020	8020	8020	8020	8020	6010

4.0 CONCLUSIONS AND RECOMMENDATIONS

Only trace toluene and total xylenes were detected in the groundwater samples collected from monitoring well MW-1 this quarter. No TPH-G, benzene or ethylbenzene were detected. Since monitoring well MW-1 has been sampled for four consecutive quarters and only trace hydrocarbons, well below the California Department of Toxic Substances Control (DTSC) maximum contaminant levels (MCLs) for drinking water, have been detected in groundwater samples collected during this period, ASE feels that this site is suitable for site closure. Please consider this report a formal request for site closure.

5.0 REPORT LIMITATIONS

The results of this assessment represent conditions at the time of the groundwater sampling, at the specific locations at which the samples were collected, and for the specific parameters analyzed for by the laboratory.

It does not fully characterize the site for contamination resulting from unknown sources, or for parameters not analyzed for by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CSDHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.