

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

June 6, 1997
STID 2041

Attn: Lynne Glassman
All Mercedes Dismantlers
1225-7th Street
Oakland, CA 94607

REMEDIAL ACTION COMPLETION CERTIFICATION

RE: All Mercedes Dismantlers, 1225-7th St., Oakland CA 94607

Dear Mr. Glassman,

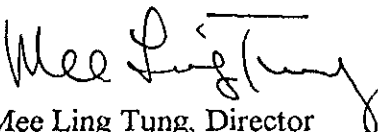
This letter confirms the completion of site investigation and remedial action for the one 10,000-gallon gasoline underground storage tank (UST) formerly located at the above referenced site. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks is 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, Division 3, Chapter 16, 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

c: Kevin Graves, RWQCB
Lori Casias, SWRCB

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 5/15/97

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pky**
City/State/Zip: **Alameda CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Jennifer Eberle** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **All Mercedes Dismantlers**
Site facility address: **1225-7th St., Oakland CA 94607**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **2041**
ULR filing date: **12/18/92** SWEEPS No: **N/A**

Responsible Parties: Addresses: Phone Numbers:
Mr. Lynne Glassman, All Mercedes Dismantlers, 1225-7th St., Oakland CA 94607 (510-763-8602)

<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	10/22/92

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown
Site characterization complete? YES
Monitoring Wells installed? NO Number:
Proper screened interval? N/A
Highest GW depth below ground surface: n/a
Lowest GW depth: n/a
Flow direction: presumed SW, towards estuary
Most sensitive current use at present: auto dismantler
Are drinking water wells affected? NO Aquifer name:
Is surface water affected? Probably not Nearest SW name: SF Bay Inner Harbor is approx 2,800' SW of the site
Off-site beneficial use impacts (addresses/locations): n/a
Report(s) on file? YES Where is report(s) filed?
Alameda County, Environmental Health, 1131 Harbor Bay Pky, Alameda CA 94502-6577

Leaking Underground Fuel Storage Tank Program

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tank	10,000 gal	disposed to Erickson Manifest #92289061	10/22/92
Soil	48.71 tons	disposed to Gibson Environmental For recycling	8/26/93

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	160*	ND***		
Benzene	0.220**	ND***	no water samples	
Toluene	0.630**	ND***		
Ethylbenzene	0.750**	ND***		
Xylenes	3.10**	ND***		
Total lead	6.0**	NA		

* soil samples collected from tank pit on 7/23/93; see Table 2

** soil samples collected from tank pit on 10/22/92; see Table 1

*** soil samples collected from tank pit on 8/27/93; see Table 3

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 Decommissioned: n/a

List enforcement actions taken: none

List enforcement actions rescinded: none

Leaking Underground Fuel Storage Tank Program

V. ADDITIONAL COMMENTS, DATA, ETC.

On 10/22/92, one 10,000-gallon gasoline UST was removed from the open yard near Magnolia Street. Alameda County staff (Don Hwang) was present. The UST was tar-coated; no obvious holes were noted. Soil staining and hydrocarbon odor were noted on east side of UST pit. The UST pit was excavated to 11'bgs. Three soil samples were collected from below the UST at 13'bgs: east end, west end, and middle (AMD-1 to AMD-3). Note that the UST pit was not excavated down to 13'bgs; these samples were simply collected from this depth by use of backhoe. A "poorly sorted yellow sand" was encountered from approximately 2'bgs to 13'bgs. Groundwater was NOT encountered in the UST pit. Results indicated ND TPHg and ND BTEX in the middle and west end samples, while the east end (AMD-1) sample contained 98 ppm TPHg, 0.220 benzene, 0.630 ppm toluene, 0.750 ppm ethylbenzene, and 3.100 ppm xylenes. Total lead ranged from 5.6 to 6.0 ppm. Stockpiled soil samples were also collected. Results indicated ND to 710 ppm TPHg, ND to 0.210 ppm benzene, and 6.0 to 110 ppm total lead. **See Figures 1 and 2, and Table 1.**

On 7/23/93, 6 soil samples were collected from the UST pit from approximately one foot below the floor of the UST pit (AMD-1A to AMD-6A). This work was performed in order to define the extent of the contamination previously encountered during tank removal. Results indicated ND to 160 ppm TPHg, ND to 0.086 ppm benzene, and ND to low concentrations of TEX. **See Figure 3 and Table 2.** The results indicated clean soils in the middle area of the UST pit, and contaminated soils in the east end of the UST pit.

On 8/27/93, additional soils were excavated from the UST pit. Excavation reportedly began in the center of the UST pit, and continued towards the east end. Soils were excavated to approximately two feet below an area of stained soils in the east end, to a total depth of 14'bgs. The walls were also excavated approximately two feet to the north, south, and east; no staining was observed. A total of 48.71 tons of soil was excavated from the pit. The soil was reportedly offhauled to Gibson Environmental in Bakersfield.

On 8/27/93, three confirmatory soil samples were collected in the UST pit at 14'bgs (AMD-4B, AMD-5B, and AMD-6B). Results indicated ND TPHg and ND BTEX. Groundwater was apparently not encountered in the excavation. **See Figure 4 and Table 3.**

This overexcavation served to remediate contaminated soils down to non-detectable levels. The low concentrations of contaminants found in the UST pit precluded the need for a groundwater investigation.

To summarize, the reasons that this case should be closed are as follows:

- * The sources have been removed (one 10,000-gallon UST and 48.71 tons of contaminated soil);
- * The site has been adequately characterized; and
- * Since soils were remediated to ND levels, there is likely no risk to human health or the environment.

Leaking Underground Fuel Storage Tank Program

VI. LOCAL AGENCY REPRESENTATIVE DATA

Name: Jennifer Eberle Title: Hazardous Materials Specialist
Signature: *J Eberle* Date: 5-29-97

Reviewed by:

Name: Amy Leech Title: Hazardous Materials Specialist
Signature: *A Leech* Date: 5-29-97

Name: Tom Peacock Title: Manager of LOP
Signature: *Tom Peacock* Date: 6-3-97

VII. RWQCB NOTIFICATION

Date Submitted to RWQCB: RWQCB Response: *Approved*
RWQCB Staff Name: Kevin Graves Date: 6/5/97
Associate Water Resources Control Engineer
Kevin Graves

Figure 1

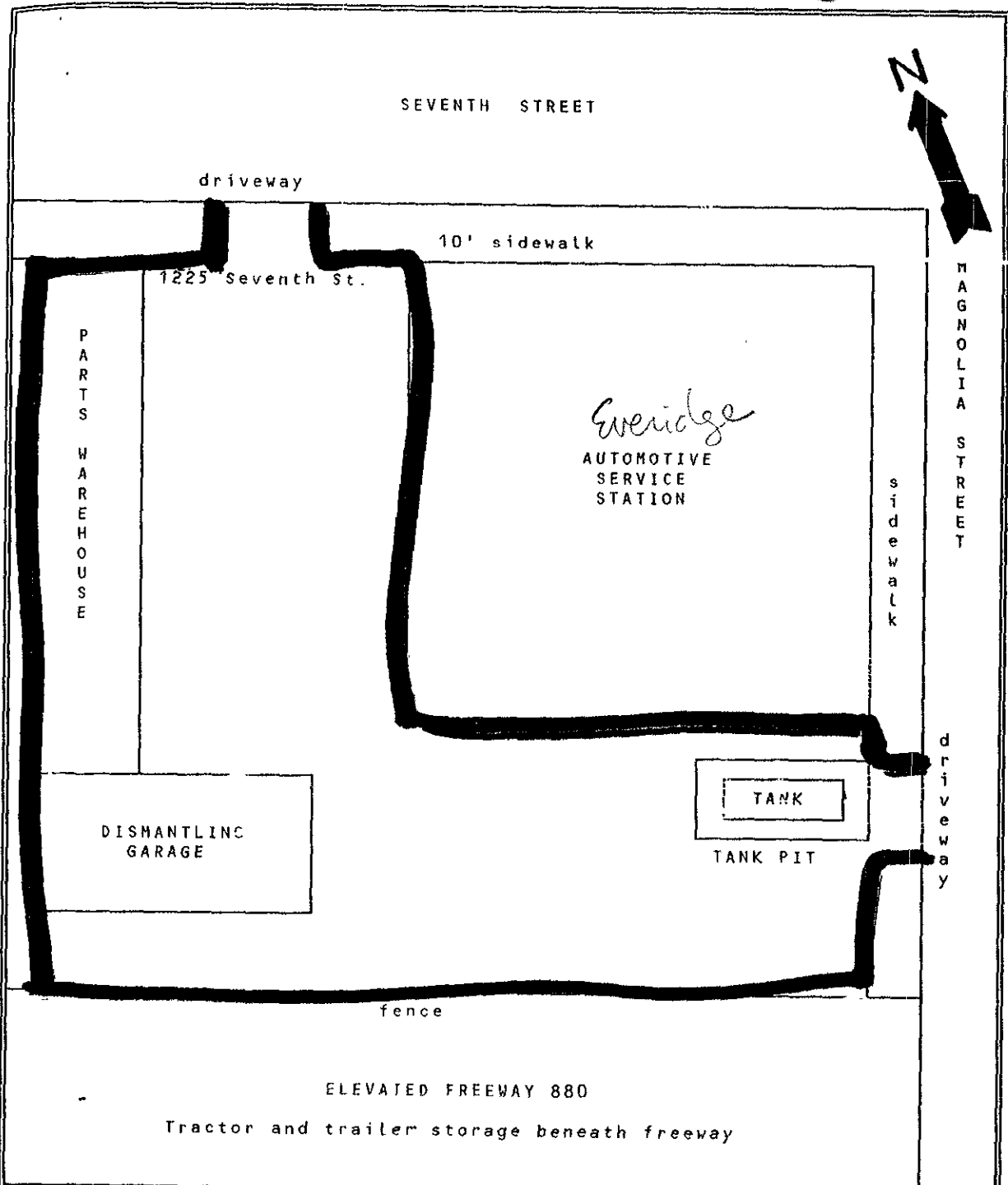



FIGURE 2 : SITE CHARACTERIZATION MAP		November 22, 1992	
ALL MERCEDES DISMANTLERS INC.		APPLIED ENVIRONMENTAL SOLUTIONS INC.	
SCALE: 1 INCH = 30 FEET		Working towards a pollution free environment.	
Mark L. Wuest Staff Geologist			

Figure 2
Tank Removal - samples at 13'

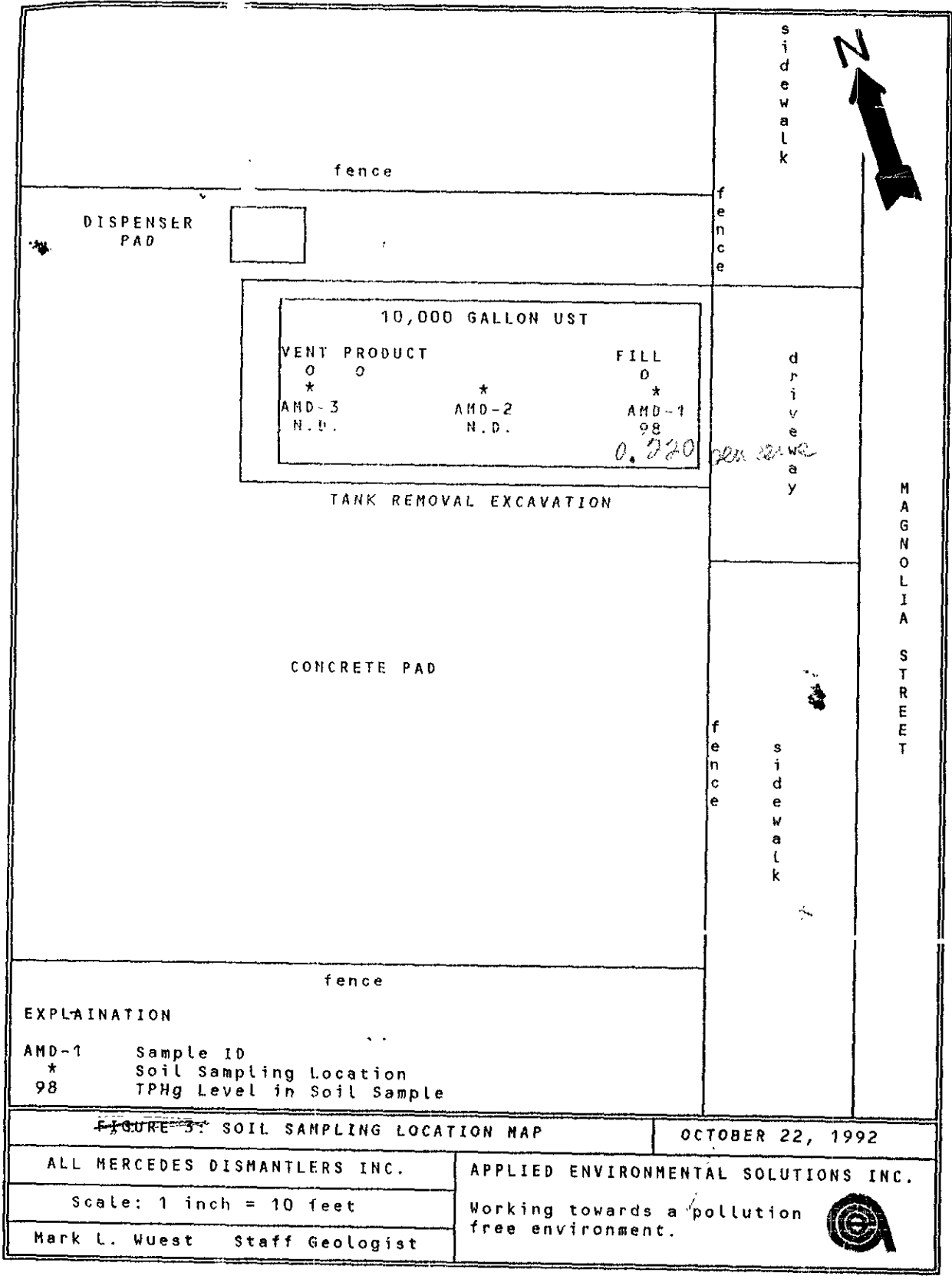


FIGURE 3: SOIL SAMPLING LOCATION MAP

OCTOBER 22, 1992

ALL MERCEDES DISMANTLERS INC.

APPLIED ENVIRONMENTAL SOLUTIONS INC.

Scale: 1 inch = 10 feet

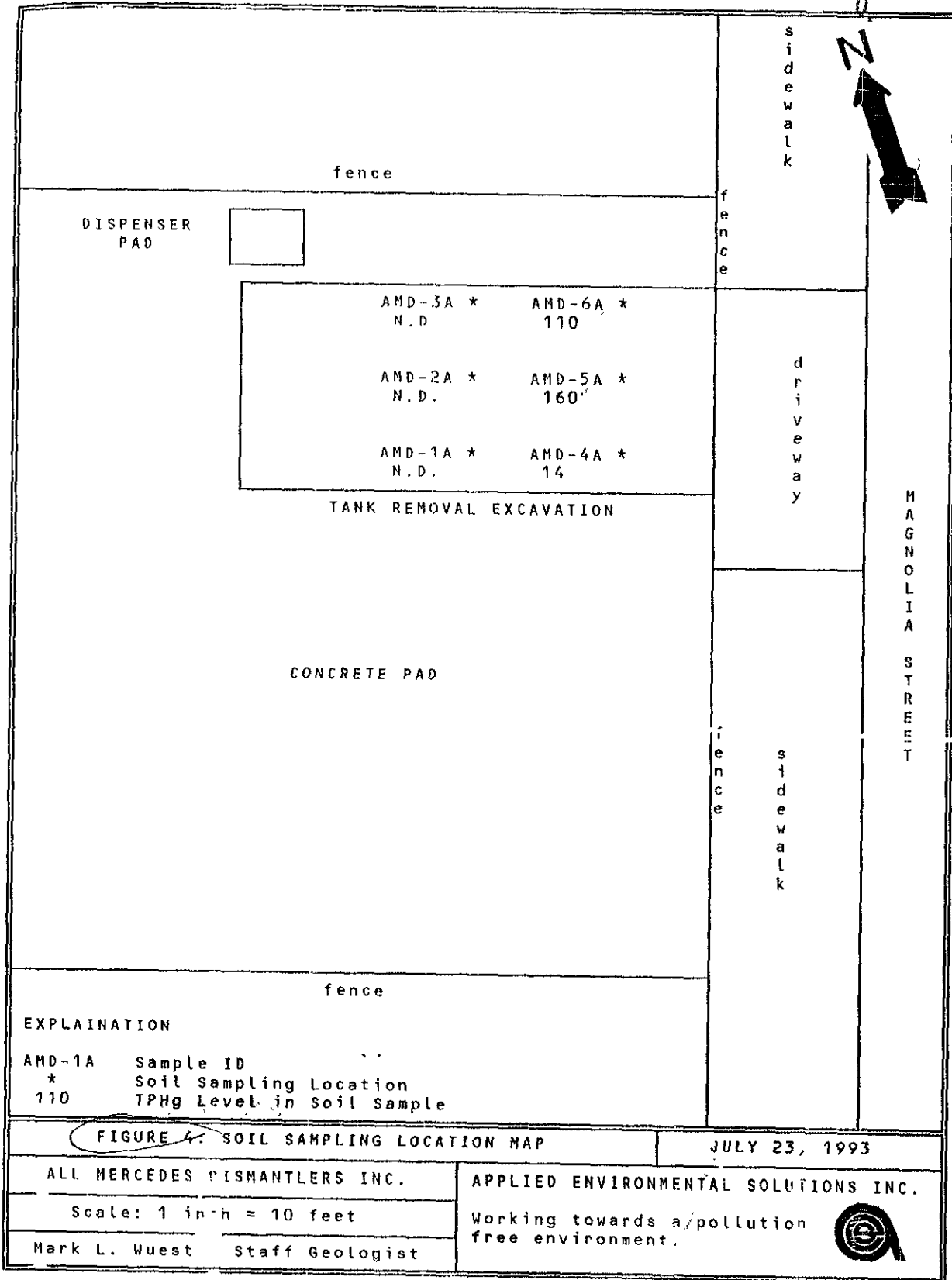
Working towards a pollution free environment.

Mark L. Wuest Staff Geologist



Figure 3

samples at 12' / 1' below floor of pit
see p. 4



Ovarex

10-22-92

Table 1

Sample I.D. Number	TPHg (ppm)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)	Total Lead (ppm)
AMD-1 <i>fill</i>	98	220	630	750	3100 1300	6.0
AMD-2	N.D.	N.D.	N.D.	N.D.	N.D.	N.A.
AMD-3	N.D.	N.D.	N.D.	N.D.	N.D.	5.6
SP-1	N.D.	N.D.	N.D.	N.D.	N.D.	110
SP-2	13	5.3	13	16	80	47
SP-3	710	210	950	1500	6900	6.0
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0	0.5
METHOD OF ANALYSIS	5030/ 8015	8020	8020	8020	8020	7420
N.D. = Not Detected N.A. = Not Analyzed ppm = parts per million (mg/l or mg/kg equivalent) ppb = parts per billion (ug/l or ug/kg equivalent)						

Table 1: Analytical Results (TPHg, BTEX and Lead)

FINDINGS AND RECOMMENDATIONS

Findings

The results and findings of our underground storage tank removal program may be summarized as follows:

- o The material encountered in the tank pit was a well sorted light brown sand apparently used as backfill during the initial tank installation.
- o The native soils encountered along the walls of the pit were: a brown clayey silt from one foot bsg to two feet bsg; and a poorly sorted yellow sand from two feet bsg to 13 feet bsg.
- o Product staining and odor were observed in excavation pit floor at the fill end of the tank.

Table 2

See Fig. 4

7-23-93

Sample I.D. Number	TPHg (ppm)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
AMD-1A	N.D.	N.D.	N.D.	N.D.	N.D.
AMD-2A	N.D.	N.D.	N.D.	N.D.	N.D.
AMD-3A	N.D.	N.D.	N.D.	N.D.	N.D.
AMD-4A	14	5.1	6.3	6.8	22
AMD-5A	160	86	100	130	320
AMD-6A	110	36	42	44	210
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/ 8015	8020	8020	8020	8020
N.D. = Not Detected ppm = parts per million (mg/l or mg/kg equivalent) ppb = parts per billion (ug/l or ug/kg equivalent)					

Table 2: Analytical Results, July 23, 1993, (TPHg, and BTEX)

EXCAVATION OF CONTAMINATED SOILS

On August 27, 1993, AES began excavating petroleum hydrocarbon contaminated from the bottom of the tank pit. The excavation was guided by using: the results of the July 23, 1993, soil samples, readings from a hydrocarbon surveyor (Gastech Model 1314) and visual observation of soil staining.

Prior to the excavation the pit was approximately 32 feet long by 15 feet wide, with the base of the pit at a depth of eleven feet below surface grade (bsg). The native soils encountered along the walls of the pit were: a brown clayey silt from one foot bsg to two feet bsg; and a poorly sorted yellow sand from two feet bsg to 14 feet bsg.

Excavation began at the center of the pit at the locations of samples AMD-1A, AMD-2A and AMD-3A, which were non-detect for petroleum hydrocarbons. Excavation continued towards the west end of the pit, where contamination had been detected. Gray-green staining was observed from approximately eleven feet bsg to approximately twelve feet bsg at the western end of the pit. This stained area was excavated from the pit. The excavation continued two feet below the end of the staining to a total depth of 14 feet bsg. The walls of the pit were excavated approximately two feet to the north, south and west to check for staining, none was observed. The final dimensions of the pit were approximately 34 feet long by 19 feet wide with the bottom of the pit at a depth of 14 feet bsg.

east
eastern

8-27-93

Table 3

Sample I.D. Number	TPHg (ppm)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
AMD-4B	N.D.	N.D.	N.D.	N.D.	N.D.
AMD-5B	N.D.	N.D.	N.D.	N.D.	N.D.
AMD-6B	N.D.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/ 8015	8020	8020	8020	8020
N.D. = Not Detected ppm = parts per million (mg/l or mg/kg equivalent) ppb = parts per billion (ug/l or ug/kg equivalent)					

Table 3: Analytical Results, August 27, 1993, (TPHg, and BTEX)

BACKFILLING AND COMPACTION

Once post-excavation soil samples confirmed that the petroleum hydrocarbon contaminated soils had been removed, the site was backfilled and compacted. The site was then resurfaced to grade with a concrete pad.

FINDINGS AND RECOMMENDATIONS

Findings

The results and findings of our petroleum hydrocarbon contaminated soil excavation program may be summarized as follows:

- o Prior to the excavation the pit was approximately 32 feet long by 15 feet wide, with the base of the pit at a depth of eleven feet below surface grade (bsg).
- o The native soils encountered along the walls of the pit were: a brown clayey silt from one foot bsg to two feet bsg; and a poorly sorted yellow sand from two feet bsg to 13 feet bsg.

or 14 (printed p. 3 + 6)

Sampled
at 14' bgs

Figure 7
8-27-93

