

AMERADA HESS CORPORATION

732-750-6000
732-750-6105 (FAX)

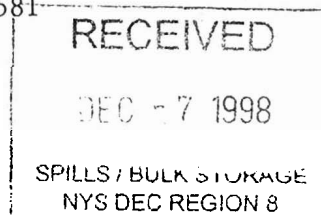
1 HESS PLAZA
WOODBIDGE, NJ 07095-0961

December 4, 1998

Mr. Pete Miller
Bureau of Spill Prevention and Response
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414

VIA CERTIFIED MAIL NO. Z 077 825 581

Re: Hess Station #32458
1314 Fairport Road
Fairport, New York
NYSDEC Spill #97-01135



Dear Mr. Miller:

Enclosed please find the UST Closure Report for the above referenced station. The station was closed on September 30, 1998, with the UST's subsequently being removed on October 1 and 2, 1998.

If you have any further questions please feel free to contact me at the letterhead address or directly at (732) 750-6555.

Sincerely,

A handwritten signature in dark ink, appearing to read "Peter Haid".

Peter Haid, Manager
Marketing Environmental Affairs

DAL

Enclosure

cc: Frank Sanclementi - (w/ Enclosure)
James Carpentier - (w/ Enclosure)
David Lee - (w/o Enclosure)

UST CLOSURE REPORT
AMERADA HESS CORPORATION

STATION NUMBER 32458
1314 FAIRPORT ROAD
FAIRPORT, NEW YORK
NYSDEC Spill # 97-01135

Provided By

HYDRO-ENVIRONMENTAL TECHNOLOGIES, INC.
3522 JAMES STREET, SUITE 205
SYRACUSE, NEW YORK
(315) 437-3484

November 13, 1998

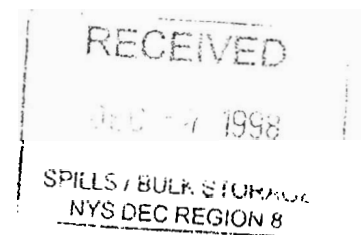


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1.0 INTRODUCTION

Hydro-Environmental Technologies, Inc. (HETI) observed closure activities associated with the removal of four underground storage tanks (USTs) and one waste-oil UST at the Amerada Hess Corporation (AHC) Station #32458 in Fairport, New York (Figure 1). This report documents the results of the soil screening and laboratory analysis associated with the removal of the USTs.

2.0 SITE DESCRIPTION

The site, a gasoline station, is located at 1314 Fairport Road in Fairport, New York as shown in Figure 2 and Photographs 1 - 3. The station is located in a commercially developed area.

AHC initiated closure of the station on September 30, 1998. Closure activities included removal of the dispensers, station canopy, four gasoline USTs, one waste-oil UST, as well as installation of plywood over the station windows and fencing removal by Interface Services, Inc. of Syracuse, New York.

3.0 SITE OBSERVATION

3.1 Western Gasoline USTs Removal

Three 6,000-gallon, steel USTs used for the storage of unleaded gasoline were removed from the western side of the station (Figure 2) on October 1, 1998. Each of the three tanks were observed to be intact upon removal with minor surface corrosion and pitting, but no holes observed from the interiors or on the exteriors as shown in Photographs 4 - 6. Each tank was vented and cleaned after removal from the tank pit by Interface Services, Inc. prior to being transported off-site (without being crushed) to Genesee Steel of Rochester, New York. Wash water was drummed on-site for later disposal. Historical UST information regarding the tanks is presented in Table 1.

A pit approximately 30 feet (north to south) by 35 feet (east to west) by 10 feet deep was excavated in order to remove the tanks as shown in Figure 3 and Photographs 7 & 8. Fill material in the tank pit consisted of brown, fine to medium sand. Soils exposed along the walls of the excavation consisted of medium to dark brown / black / green, fine sand, silt and clay for the first two feet. From approximately two feet to two-and-a-half feet, tan, medium to fine sands were observed. Brown to dark brown, fine to coarse sand and silt

with some clay was encountered at depths between two-and-a-half feet and six feet. From six feet to depth, gray to black clays were observed. Ground water was not encountered in the excavation. Black soil staining and a petroleum odor were observed primarily along the north, west, and south walls and floor of the excavation at depths ranging from two to ten feet. Photo-ionization detector (PID) readings of samples taken from the tank pit ranged from 0.2 parts per million (ppm) to 280 ppm. PID readings are summarized in Table 2. The tank pit was subsequently backfilled with the excavated sands and additional gravel brought from off-site.

3.2 Eastern Gasoline UST Removal

One 4,000-gallon, steel UST used for the storage of unleaded gasoline was removed from the east side of the station on October 1, 1998 (Figure 2). During excavation activities, an approximately one-and-a-half foot by two foot red fiberglass patch was observed on the top of the central portion of the tank surrounded by what appeared to be black carbon granules (Photograph 9). A HETI conversation with a local observer revealed that the patch was installed after the tank was lined with epoxy several years earlier. Both eyelets were snapped off during the first attempt to remove the tank. The eastern side of the UST was punctured while attempting to shift the tank's position. The UST was subsequently dragged out by the fill pipe. Minor surface corrosion and pitting were observed on the tank's exterior (Photograph 10). HETI observed minor product leakage (less than a pint) at the tank's southern bottom (Photograph 11). The product was contained with absorbent pads. HETI was not on-site to observe cleaning procedures performed on the UST. Interface personnel reported observing several holes in the tank while cleaning it.

A pit approximately 11 feet wide by 28 feet long by 8 feet deep was excavated to facilitate the removal of the UST (Photograph 12). Fill material used in the tank pit consisted of brown, fine to medium sand. Native soils consisted of primarily medium to fine sand, silt, and clay, generally fining downward. At a depth of approximately three-and-a-half feet along the south wall, an eight inch layer of asphalt, concrete, and gravel was encountered. Gray/black soil staining and a petroleum odor were observed during excavation activities at depths ranging from two to eight feet (Photograph 13). PID readings of samples taken from the eastern tank pit area ranged from 1.0 ppm to 340 ppm (Table 2). Ground water was not observed in the excavation. All excavated soils from the eastern tank pit area were re-used as fill material in the same location.

3.3 Waste-Oil Tank Removal

A buried 275-gallon steel tank (typically used in above-ground applications), oriented in a north-south direction, was removed from the southeast corner of the station on October 2, 1998 (Figure 3 and Photograph 14). The tank contained approximately 21 inches of liquid with approximately 3 inches of sludge in the bottom. No hydrocarbon saturated soils were encountered during hand excavation around the north, south, or east sides of the tank. Rocks and concrete debris were observed around the tank. Surface corrosion and pitting were observed on the eastern side of the tank's exterior (Photograph 15). Black stained soils emitting a petroleum odor were observed throughout excavation activities (Photograph 16). PID readings of soil samples taken adjacent to the tank ranged from 38 ppm to 220 ppm (Table 2). HETI was not on-site to observe the tank's removal. Interface personnel reported that the tank was intact upon removal. Excavated soils were re-used as fill material in the same location.

3.4 Dispenser Areas

On October 1, 1998, two grab soil samples were obtained at a depth of approximately one-and-a-half feet from the east (Photograph 17) and west dispenser areas (Figure 3). The east dispenser area yielded a PID reading of 0.4 ppm. The west dispenser area yielded a PID reading of 1.0 ppm. Tan to brown sand with no staining or odors was observed to depth.

After the canopy footings were removed, an additional composite soil sample was obtained at a depth of approximately two feet from each dispenser area. Black staining and a petroleum odor was observed at depth in both dispenser areas (Photograph 18). PID readings from the east and west dispenser area soil samples were 360 ppm and 260 ppm respectively (Table 2).

3.5 Soil Sampling Procedures

Composite soil samples were collected on September 30 and October 1, 1998 from each of the four walls and floor of both the eastern and western tank pit. A composite soil sample of the walls and floor of the waste-oil tank pit was collected on October 1, 1998. Laboratory analytical results are discussed in Section 4.0.

4.0 LABORATORY ANALYSIS OF SOIL SAMPLES

Laboratory results are summarized in Table 3 and the laboratory reports are provided as Appendix A. All soil samples were analyzed for semi-volatile organic compounds (SVOCs) and volatile organic compounds (VOCs) using USEPA Methods 8270 (STARS) TCLP and 8021 (STARS) TCLP respectively.

- Four of the five soil samples from the west tank pit area analyzed by EPA Method 8021 (STARS) TCLP were reported to have levels of VOCs above the Method Detection Limits (MDLs).
- The four soil samples (north wall, south wall, west wall, and floor) were reported to have VOC concentrations above the NYSDEC STARS Memo #1 (STARS) TCLP Extraction Guidance Values for all analytes above the method detection limits.
- The highest level of total VOCs was reported in the west tank pit, west wall - 5,725.7 ppb.
- Three of the five soil samples obtained from the east tank pit area analyzed by EPA Method 8021 (STARS) TCLP were reported to have levels of VOCs above the MDLs.
- The soil sample, east tank pit - west wall, was reported to have VOC concentrations above the NYSDEC STARS Memo #1 (STARS) TCLP Extraction Guidance Values for the analytes 1,2,4-Trimethylbenzene (6.6 ppb) and 1,3,5-Trimethylbenzene (5.3 ppb).
- The other two soil samples (east wall and floor) were reported to have VOC concentrations above the NYSDEC STARS Memo #1 (STARS) TCLP Extraction Guidance Values for all analytes above the method detection limits.
- The highest level of total VOCs reported from samples obtained from the east tank pit was the east wall - 10,561 ppb.
- The soil sample obtained from the waste-oil tank pit area analyzed by EPA Method 8021 (STARS) TCLP was reported to have levels of VOCs above the MDLs - 11.7 ppb. The analyte, 1,3,5-Trimethylbenzene, was reported to have a

concentration above the NYSDEC STARS Memo #1 (STARS) TCLP Extraction Guidance Values (5.8 ppb).

- The highest level of total VOCs reported in all three excavation locations was from the east wall of the east tank pit - 10,561 ppb.
- All five soil samples from the west tank pit area analyzed by EPA Method 8270 (STARS) TCLP were reported to have levels of SVOCs above the MDLs for the analyte, Naphthalene.
- Four of the five samples (north wall, south wall, west wall, and floor) were reported to have Naphthalene concentrations above the NYSDEC STARS Memo #1 (STARS) TCLP Extraction Guidance Values.
- The highest level of Naphthalene concentration was reported in the north wall - 457 ppb.
- Four of the five soil samples obtained from the east tank pit area analyzed by EPA Method 8270 (STARS) TCLP were reported to have levels of SVOCs above the MDLs for the analyte, Naphthalene.
- Two of the four samples (east wall and floor) were reported to have Naphthalene concentrations above the NYSDEC STARS Memo #1 (STARS) TCLP Extraction Guidance Values.
- The highest level of Naphthalene concentration was reported in the east wall - 555 ppb.
- The soil sample obtained from the waste-oil tank pit area analyzed EPA Method 8270 (STARS) TCLP was reported to have a Naphthalene concentration above the MDLs (4.1 ppb). The concentration level of Naphthalene was reported to be below the NYSDEC STARS Memo #1 (STARS) TCLP Extraction Guidance Values.
- The highest concentration level of the analyte, Naphthalene, reported in all three excavation locations was from the east wall of the east tank pit - 555 ppb.

5.0 SOIL & SCRAP MATERIAL UTILIZATION

All soils excavated to facilitate tank removals were re-used on-site as fill material. Scrap steel was transported to Genesee Steel of Rochester, New York.

6.0 SUMMARY

1. Three, 6,000-gallon and one 4,000-gallon, steel USTs used for the storage of unleaded gasoline and one 275-gallon buried steel AST used for the storage of waste-oil were removed from the site. The three 6,000-gallon gasoline USTs removed from the west side of the station were observed to be intact upon removal with minor surface corrosion. The 4,000-gallon gasoline UST removed from the east side of the station was punctured upon removal. HETI observed product leakage from the south end of the tank after removal. Interface personnel reported observing holes from the interior during tank cleaning procedures. HETI was not on-site during removal of the buried 275-gallon waste-oil AST. Interface personnel reported the tank to be intact upon removal. The tanks were transported to Genesee Steel of Rochester, New York.
2. The product piping was blown out with compressed air, capped, and left in-place.
3. Soils encountered at the site generally fined downward with coarse to fine sand and silt with trace gravel from depths of grade to approximately six feet. From six to eight feet, soils were mainly medium to fine sand and silt with some clay. At depths below eight feet, clay was predominately observed. Soil staining and petroleum odors were observed in all excavations. Ground water was not encountered in any excavation.
4. The east tank pit, west tank pit, and waste-oil tank pit areas were reported to contain VOC analyte concentrations above the MDLs. All three excavation locations also contained VOC analyte concentrations above the NYSDEC STARS Memo #1 (STARS) TCLP Extraction Guidance Values.
5. The east tank pit, west tank pit, and waste-oil tank pit areas were reported to contain Naphthalene concentrations above the MDLs. The east tank pit and west tank pit were reported to have analyte concentrations of Naphthalene

above the NYSDEC STARS Memo #1 (STARS) TCLP Extraction Guidance Values.

6. The highest level of total VOCs reported in all three excavation locations was from the east wall of the east tank pit - 10,561 ppb.
7. The highest SVOC concentration level of the analyte, Naphthalene, reported in all three excavation locations was from the east wall of the east tank pit - 555 ppb.
8. All soils excavated to facilitate tank removals were re-used on-site as fill material. Scrap steel was transported to Genesee Steel of Rochester, New York.

7.0 LIMITATIONS

This report was prepared for the exclusive use of Amerada Hess Corporation. The conclusions provided by Hydro-Environmental Technologies, Inc. in this report are based solely on the information reported in this document. Future investigative site information which was not available to Hydro-Environmental Technologies, Inc. at the time of this assessment may result in a modification of the conclusions stated above. This report has been prepared in accordance with generally accepted hydrogeologic practices. No other warranty, expressed or implied, is made.

TABLES

TABLE 1

TABLE 2

AMERADA HESS CORPORATION
STATION #32458
1314 FAIRPORT ROAD
FAIRPORT, NEW YORK

TABLE 1
UNDERGROUND STORAGE TANK (UST) INFORMATION
PBS NUMBER 8-302295

TANK #	PRODUCT	CAPACITY (Gallons)	CONSTRUCTION	INSTALLATION DATE	REMOVAL DATE	REMOVAL CONDITION
001	Unleaded Gasoline	6,000	Steel/Carbon Steel	January, 1973	October 1, 1998	Intact
002	Unleaded Gasoline	6,000	Steel/Carbon Steel	January, 1973	October 1, 1998	Intact
003	Unleaded Gasoline	6,000	Steel/Carbon Steel	January, 1973	October 1, 1998	Intact
004	Unleaded Gasoline	4,000	Steel/Carbon Steel	January, 1956	October 1, 1998	Punctured, Holes Observed
005*	Waste Oil	275	Steel/Carbon Steel	Unknown	October 2, 1998	Intact

* = Tank is not registered with the NYSDEC

AMERADA HESS CORPORATION
STATION #32458, 1314 FAIRPORT ROAD
FAIRPORT, NEW YORK

TABLE 2
PHOTO-IONIZATION DETECTOR (PID) READINGS
SEPTEMBER 30, 1998 - OCTOBER 1, 1998

WESTERN GASOLINE USTs PIT

Date	READING LOCATION	SAMPLE TYPE	APPROXIMATE DEPTH (Ft)	PID READING (ppm*)
9-30-98	Southwest Corner - Soil Pile	Composite	0-8	112
	Southwest Corner - Soil Pile	Grab	Unknown	0.4
	Southwest Corner - Soil Pile	Grab	Unknown	0.6
	Southwest Corner - Soil Pile	Grab	Unknown	7.0
	Southwest Corner - Soil Pile	Grab	Unknown	50
	Southwest End	Composite	6-8	98
	South Wall - West End	Composite	4-10	174
	Fill Port @ South End - East Tank	Grab	2	170
	Northeast Corner	Grab	4	0.2
	Northeast Corner	Composite	0-2	0.4
	Northeast Corner	Composite	2-4	0.6
	Northeast Corner	Composite	4-6	0.8
	North Wall - Western Half	2 Composites	2	2.0/4.8
	North End - West Tank	Composite	0-2	32
	North End - West Tank	Composite	2-4	270
	North End - West Tank	Grab	4	280
	Northwest Corner	Grab	8	190
	Northwest End	Grab	10	100
	East Wall	Composite	0-2	0.2
	West Wall	Composite	0-2	0.6
	West Wall	Composite	2-4	5.4
	West Wall	Composite	4-6	11
	West Wall	Composite	6-8	60
	West Wall	Composite	8-10	90
10-1-98	North Wall	Composite	0-4	250
	North Wall	Composite	4-8	220
	East Wall	Composite	0-8	5.0
	South Wall	Composite	0-8	118

* = PID readings in parts per million (ppm) of volatile organic compounds (VOCs)

TABLE 2 (Continued)
PHOTO-IONIZATION DETECTOR (PID) READINGS
SEPTEMBER 30, 1998 - OCTOBER 1, 1998

EASTERN GASOLINE UST PIT

Date	READING LOCATION	SAMPLE TYPE	APPROXIMATE DEPTH (Ft)	PID READING (ppm*)
9-30-98	East Wall - Southern Half	Grab	2.5	200
	East Wall - Southern Half	Composite	3	1.0
	East Wall - Southern Half	Grab	5	104
	East Wall - Southern Half	Grab	7	96
	West Wall - Southern Half	Grab	5	5.0
	West Wall - Southern Half	Grab	6	17
	West Wall - Southern Half	Grab	6.5	40
	@ Fill Pipe - Southern End of Tank	Grab	2	70
10-1-98	West Wall	Composite	0-8	110
	West Wall	Grab	8	14
	Floor	Grab	8	190
	Floor	Grab	8	340
	North Wall	Composite	0-4	5.4
	North Wall	Composite	4-6	7.0
	South Wall	Composite	0-4	75
	South Wall	Composite	4-6	300
	East Wall	Composite	0-4	260
	East Wall	Composite	4-7	280

WASTE-OIL TANK PIT

Date	READING LOCATION	SAMPLE TYPE	APPROXIMATE DEPTH (Ft)	PID READING (ppm*)
10-1-98	East Side Tank	Grab	2	90
	North End Tank	Grab	3.5	38
	South End Tank	Grab	3	100
	East Side Tank Bottom	Grab	5	220

DISPENSER AREAS

Date	READING LOCATION	SAMPLE TYPE	APPROXIMATE DEPTH (Ft)	PID READING (ppm*)
10-1-98	West Dispenser Area	Grab	1.5	0.4
	West Dispenser Area	Composite	2	260
	East Dispenser Area	Grab	1.5	1.0
	East Dispenser Area	Composite	2	360

* = PID readings in parts per million (ppm) of volatile organic compounds (VOCs)

AMERADA HESS CORPORATION
STATION #32458, 1314 FAIRPORT ROAD
FAIRPORT, NEW YORK

TABLE 3
SOIL SAMPLING RESULTS EPA METHODS 8021 (STARS) TCLP AND 8270 (STARS) TCLP

SAMPLE DATE	SAMPLE NUMBER	LAB SAMPLE NUMBER	SAMPLE LOCATION	[VOCs] EPA METHOD 8021 (STARS) TCLP (ppb)	[SVOCs] EPA METHOD 8270 (STARS) TCLP (ppb)
9-30-98	1	E40266-1	West Tank Pit - West Wall Composite	5,725.7	409
10-1-98	2	E40266-2	West Tank Pit - Floor Composite	728.6	18.7
	3	E40266-3	West Tank Pit - North Wall Composite	3,229.3	457
	4	E40266-4	West Tank Pit - East Wall Composite	ND	2.6
	5	E40266-5	West Tank Pit - South Wall Composite	540.5	44.1
	6	E40266-6	East Tank Pit - West Wall Composite	21.6	8.4
	7	E40266-7	East Tank Pit - Floor Grab	1,142.3	30.0
	8	E40266-8	East Tank Pit - North Wall Composite	ND	5.3
	9	E40266-9	East Tank Pit - South Wall Composite	ND	ND
	10	E40266-10	East Tank Pit - East Wall Composite	10,561	555
	11	E40266-11	Waste-Oil Tank Pit - Walls & Floor Composite	11.7	4.1

EPA Method 8021 (STARS) TCLP for Volatile Organic Compounds (VOCs)

EPA Method 8270 (STARS) TCLP for Semi Volatile Organic Compounds (SVOCs)

Concentrations measured in $\mu\text{g/l}$ = ppb

ND = None Detected, detection limits noted in laboratory reports.

FIGURES

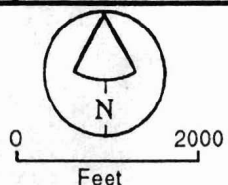
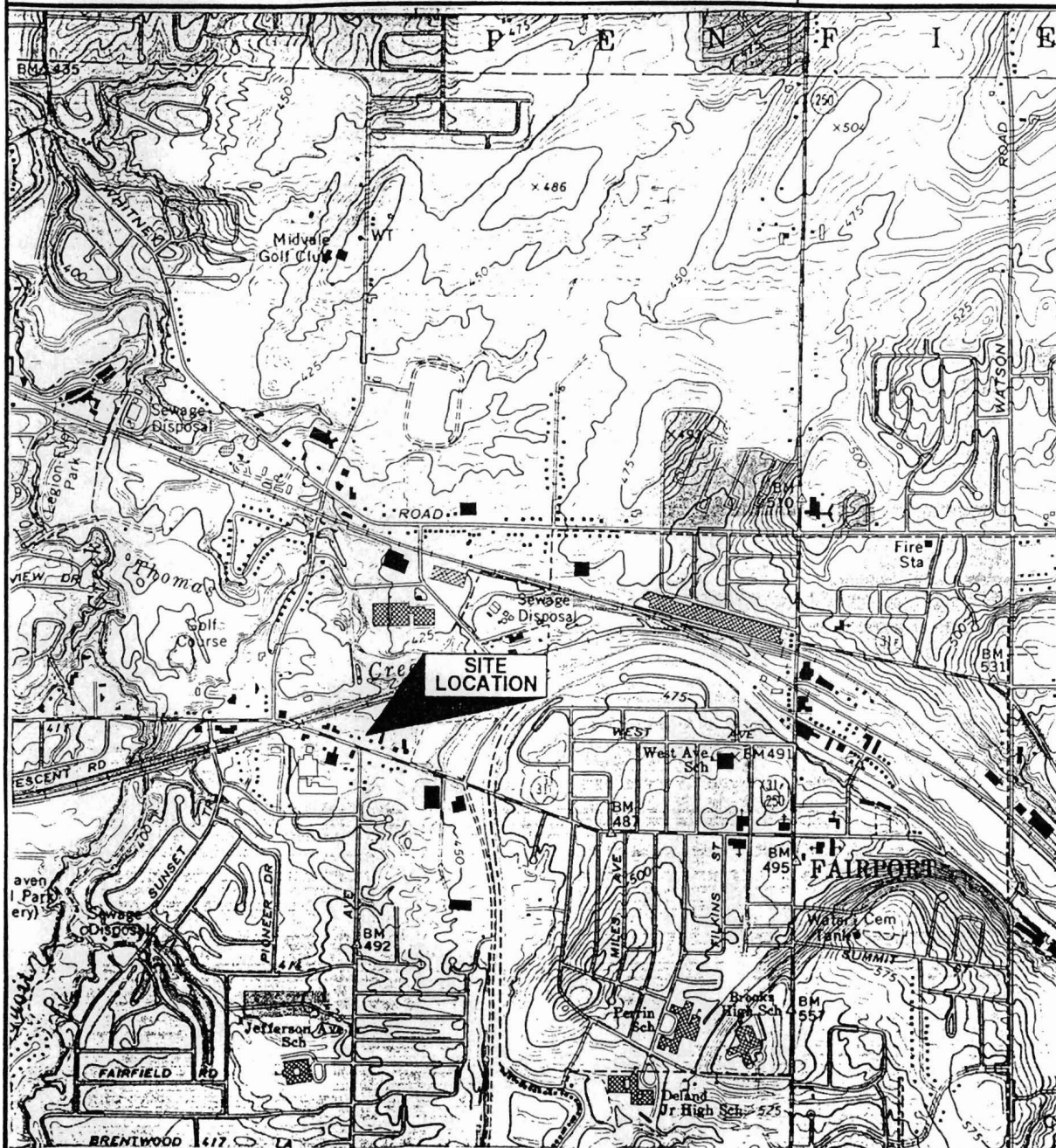


Amerada Hess Corporation
Station Number 32458
1314 Fairport Road
Fairport, New York

FIGURE 1

HYDRO-
ENVIRONMENTAL
TECHNOLOGIES, INC.
3522 James Street
Syracuse, New York

SITE LOCATION



SOURCE: USGS Topographic Map
7.5-Minute Series,
Fairport, NY.
1971, Photorevised 1978.

Date: 10/19/98

Drafted By: GAW

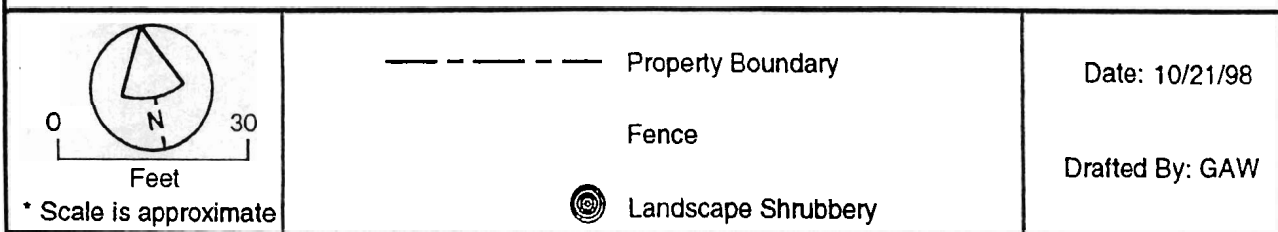
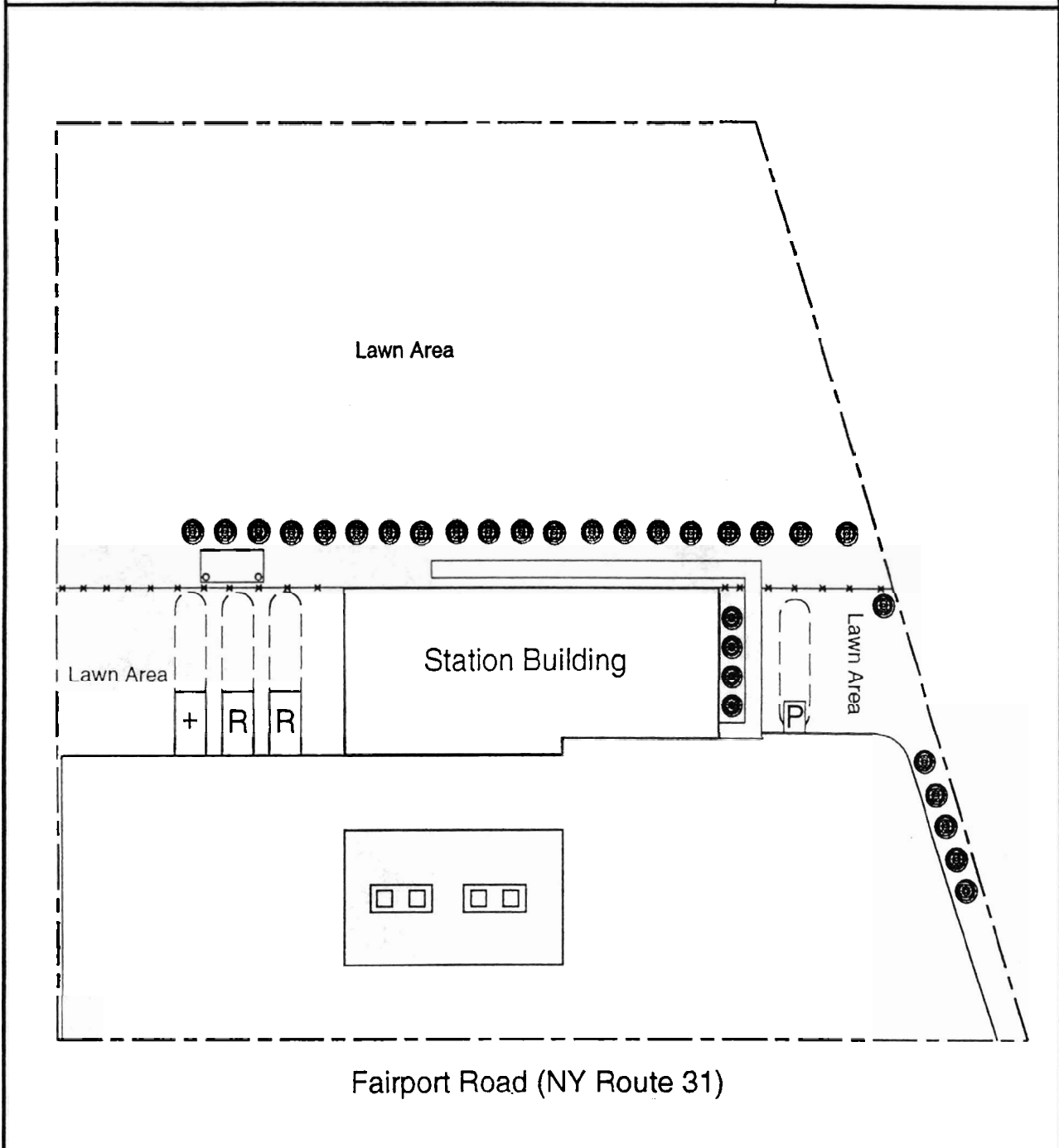
Amerada Hess Corporation
Station #32458
1314 Fairport Road
Fairport, New York

FIGURE 2

HYDRO-
ENVIRONMENTAL
TECHNOLOGIES, INC.

3522 James Street
Syracuse, New York

SITE PLAN



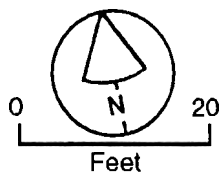
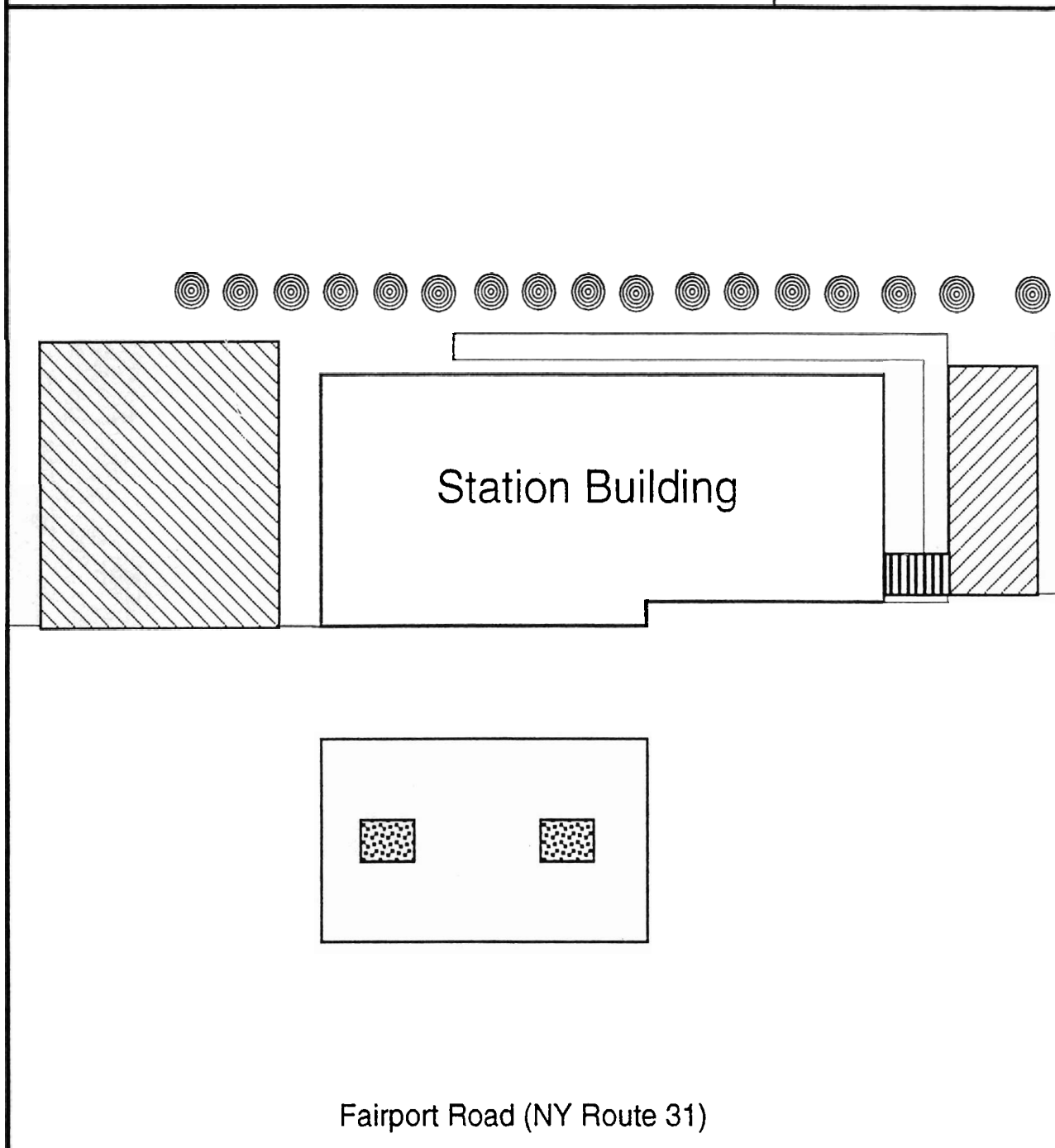
Amerada Hess Corporation
Station #32458
1314 Fairport Road
Fairport, New York

FIGURE 3

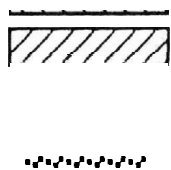
HYDRO-
ENVIRONMENTAL
TECHNOLOGIES, INC.

3522 James Street
Syracuse, New York

EXCAVATION LOCATIONS



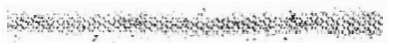
* Scale is approximate



Western Gasoline USTs Pit
Eastern Gasoline UST Pit
Waste Oil Tank Pit
Dispenser Area Excavations

Date: 10/21/98
Compiled By: GAW
Drafted By: GAW

APPENDIX A



Technical Report for

Hydro Environmental Tech.

Hess #32458, 1314 Fairport Rd., Fairport, NY

32458

Accutest Job Number: E40266

Report to:

Hydro Environmental Tech.
3522 James Street
Syracuse, NY 13206

ATTN: Sherry Temple

Total number of pages in report: 41

Vincent J. Pugliese
President

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, KS, MA, MD, NC, PA, RI, SC, VA

Results relate only to the items tested.

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.



Sample Summary

Hydro Environmental Tech.

Date: 10/26/98

Job No: E40266

Hess #32458, 1314 Fairport Rd., Fairport, NY
Project No: 32458

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
E40266-1	09/30/98	16:00 GAW	10/03/98	SO Soil	WEST TANK PIT-WEST WALL COMPOSITE
E40266-2	10/01/98	08:45 GAW	10/03/98	SO Soil	WEST TANK PIT-FLOOR COMPOSITE
E40266-3	10/01/98	10:00 GAW	10/03/98	SO Soil	WEST TANK PIT-NORTH WALL COMPOSITE
E40266-4	10/01/98	11:10 GAW	10/03/98	SO Soil	WEST TANK PIT-EAST WALL COMPOSITE
E40266-5	10/01/98	11:30 GAW	10/03/98	SO Soil	WEST TANK PIT-SOUTH WALL COMPOSITE
E40266-6	10/01/98	09:45 GAW	10/03/98	SO Soil	EAST TANK PIT-WEST WALL COMPOSITE
E40266-7	10/01/98	13:30 GAW	10/03/98	SO Soil	EAST TANK PIT-FLOOR GRAB
E40266-8	10/01/98	13:50 GAW	10/03/98	SO Soil	EAST TANK PIT-NORTH WALL COMPOSITE
E40266-9	10/01/98	14:15 GAW	10/03/98	SO Soil	EAST TANK PIT-SOUTH WALL COMPOSITE
E40266-10	10/01/98	15:25 GAW	10/03/98	SO Soil	EAST TANK PIT-EAST WALL COMPOSITE
E40266-11	10/01/98	07:15 GAW	10/03/98	SO Soil	FUEL OIL TANK PIT- WALLS & FLOOR COMPOSITE
E40266-12	10/01/98	07:00 GAW	10/03/98	SO Oil	TANK CONTENTS



Report of Analysis

Client Sample ID:	WEST TANK PIT-WEST WALL COMPOSITE		
Lab Sample ID:	E40266-1	Date Sampled:	09/30/98
Matrix:	SO - Soil	Date Received:	10/03/98
Method:	SW846 8021B	Percent Solids:	n/a
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20664.D	50	10/19/98	WG	10/06/98	GP5704	GNP715
Run #2							

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	25	ug/l	
104-51-8	n-Butylbenzene	ND	25	ug/l	
135-98-8	sec-Butylbenzene	33.2	25	ug/l	
98-06-6	tert-Butylbenzene	ND	25	ug/l	
100-41-4	Ethylbenzene	452	25	ug/l	
98-82-8	Isopropylbenzene	75.5	25	ug/l	
99-87-6	p-Isopropyltoluene	ND	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	ug/l	
91-20-3	Naphthalene	322	25	ug/l	
103-65-1	n-Propylbenzene	178	25	ug/l	
108-88-3	Toluene	438	25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1170	25	ug/l	
108-67-8	1,3,5-Trimethylbenzene	347	25	ug/l	
1330-20-7	Xylenes (total)	2710	25	ug/l	
95-47-6	o-Xylene	714	25	ug/l	
	m,p-Xylene	1990	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	99%		75-125%
462-06-6	Fluorobenzene	105%		75-125%

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID: WEST TANK PIT-FLOOR COMPOSITE

Lab Sample ID: E40266-2

Date Sampled: 10/01/98

Matrix: SO - Soil

Date Received: 10/03/98

Method: SW846 8021B

Percent Solids: n/a

Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20667.D	10	10/19/98	WG	10/06/98	GP5704	GNP715
Run #2							

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	25.2	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	ug/l	
91-20-3	Naphthalene	43.1	5.0	ug/l	
103-65-1	n-Propylbenzene	8.9	5.0	ug/l	
108-88-3	Toluene	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	205	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	90.4	5.0	ug/l	
1330-20-7	Xylenes (total)	356	5.0	ug/l	
95-47-6	o-Xylene	118	5.0	ug/l	
	m,p-Xylene	238	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	100%		75-125%
462-06-6	Fluorobenzene	104%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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Client Sample ID: WEST TANK PIT-FLOOR COMPOSITE

Lab Sample ID: E40266-2

Date Sampled: 10/01/98

Matrix: SO - Soil

Date Received: 10/03/98

Method: SW846 8270C

Percent Solids: n/a

Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21725.D	1	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2							

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
91-20-3	Naphthalene	18.7	5.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		35-114%
321-60-8	2-Fluorobiphenyl	80%		43-116%
1718-51-0	Terphenyl-d14	95%		33-141%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: WEST TANK PIT-NORTH WALL COMPOSITE

Lab Sample ID: E40266-3

Date Sampled: 10/01/98

Matrix: SO - Soil

Date Received: 10/03/98

Method: SW846 8021B

Percent Solids: n/a

Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20668.D	50	10/20/98	WG	10/06/98	GP5704	GNP715
Run #2							

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	25	ug/l	
104-51-8	n-Butylbenzene	ND	25	ug/l	
135-98-8	sec-Butylbenzene	ND	25	ug/l	
98-06-6	tert-Butylbenzene	ND	25	ug/l	
100-41-4	Ethylbenzene	101	25	ug/l	
98-82-8	Isopropylbenzene	25.1	25	ug/l	
99-87-6	p-Isopropyltoluene	ND	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	ug/l	
91-20-3	Naphthalene	341	25	ug/l	
103-65-1	n-Propylbenzene	67.2	25	ug/l	
108-88-3	Toluene	73.0	25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1080	25	ug/l	
108-67-8	1,3,5-Trimethylbenzene	322	25	ug/l	
1330-20-7	Xylenes (total)	1220	25	ug/l	
95-47-6	o-Xylene	398	25	ug/l	
	m,p-Xylene	825	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	99%		75-125%
462-06-6	Fluorobenzene	104%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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Client Sample ID: WEST TANK PIT-NORTH WALL COMPOSITE
Lab Sample ID: E40266-3 Date Sampled: 10/01/98
Matrix: SO - Soil Date Received: 10/03/98
Method: SW846 8270C Percent Solids: n/a
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21726.D	5	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2							

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	25	ug/l	
120-12-7	Anthracene	ND	25	ug/l	
56-55-3	Benzo(a)anthracene	ND	25	ug/l	
50-32-8	Benzo(a)pyrene	ND	25	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	25	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	25	ug/l	
218-01-9	Chrysene	ND	25	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	25	ug/l	
206-44-0	Fluoranthene	ND	25	ug/l	
86-73-7	Fluorene	ND	25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	25	ug/l	
91-20-3	Naphthalene	457	25	ug/l	
85-01-8	Phenanthrene	ND	25	ug/l	
129-00-0	Pyrene	ND	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		35-114%
321-60-8	2-Fluorobiphenyl	82%		43-116%
1718-51-0	Terphenyl-d14	95%		33-141%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID: WEST TANK PIT-EAST WALL COMPOSITE

Lab Sample ID: E40266-4

Date Sampled: 10/01/98

Matrix: SO - Soil

Date Received: 10/03/98

Method: SW846 8021B

Percent Solids: n/a

Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20670.D	5	10/20/98	WG	10/07/98	GP5704	GNP715
Run #2							

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	2.5	ug/l	
104-51-8	n-Butylbenzene	ND	2.5	ug/l	
135-98-8	sec-Butylbenzene	ND	2.5	ug/l	
98-06-6	tert-Butylbenzene	ND	2.5	ug/l	
100-41-4	Ethylbenzene	ND	2.5	ug/l	
98-82-8	Isopropylbenzene	ND	2.5	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	ug/l	
91-20-3	Naphthalene	ND	2.5	ug/l	
103-65-1	n-Propylbenzene	ND	2.5	ug/l	
108-88-3	Toluene	ND	2.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	ug/l	
1330-20-7	Xylenes (total)	ND	2.5	ug/l	
95-47-6	o-Xylene	ND	2.5	ug/l	
	m,p-Xylene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	102%		75-125%
462-06-6	Fluorobenzene	104%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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Client Sample ID: WEST TANK PIT-EAST WALL COMPOSITE
Lab Sample ID: E40266-4 Date Sampled: 10/01/98
Matrix: SO - Soil Date Received: 10/03/98
Method: SW846 8270C Percent Solids: n/a
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21727.D	1	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2							

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
91-20-3	Naphthalene	2.6	5.0	ug/l	J
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		35-114%
321-60-8	2-Fluorobiphenyl	93%		43-116%
1718-51-0	Terphenyl-d14	108%		33-141%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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Client Sample ID: WEST TANK PIT-SOUTH WALL COMPOSITE
Lab Sample ID: E40266-5 Date Sampled: 10/01/98
Matrix: SO - Soil Date Received: 10/03/98
Method: SW846 8021B Percent Solids: n/a
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20671.D	20	10/20/98	WG	10/07/98	GP5704	GNP715
Run #2							

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	10	ug/l	
104-51-8	n-Butylbenzene	ND	10	ug/l	
135-98-8	sec-Butylbenzene	12.0	10	ug/l	
98-06-6	tert-Butylbenzene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
98-82-8	Isopropylbenzene	ND	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	ug/l	
91-20-3	Naphthalene	85.9	10	ug/l	
103-65-1	n-Propylbenzene	14.4	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
95-63-6	1,2,4-Trimethylbenzene	294	10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	110	10	ug/l	
1330-20-7	Xylenes (total)	24.2	10	ug/l	
95-47-6	o-Xylene	ND	10	ug/l	
	m,p-Xylene	24.2	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	102%		75-125%
462-06-6	Fluorobenzene	103%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Report of Analysis

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Client Sample ID: WEST TANK PIT-SOUTH WALL COMPOSITE
Lab Sample ID: E40266-5 Date Sampled: 10/01/98
Matrix: SO - Soil Date Received: 10/03/98
Method: SW846 8270C Percent Solids: n/a
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21728.D	1	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2							

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
91-20-3	Naphthalene	44.1	5.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		35-114%
321-60-8	2-Fluorobiphenyl	88%		43-116%
1718-51-0	Terphenyl-d14	111%		33-141%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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Client Sample ID: EAST TANK PIT-WEST WALL COMPOSITE
Lab Sample ID: E40266-6 Date Sampled: 10/01/98
Matrix: SO - Soil Date Received: 10/03/98
Method: SW846 8021B Percent Solids: n/a
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20672.D	5	10/20/98	WG	10/07/98	GP5704	GNP715
Run #2							

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	2.5	ug/l	
104-51-8	n-Butylbenzene	ND	2.5	ug/l	
135-98-8	sec-Butylbenzene	ND	2.5	ug/l	
98-06-6	tert-Butylbenzene	ND	2.5	ug/l	
100-41-4	Ethylbenzene	ND	2.5	ug/l	
98-82-8	Isopropylbenzene	ND	2.5	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	ug/l	
91-20-3	Naphthalene	3.7	2.5	ug/l	
103-65-1	n-Propylbenzene	ND	2.5	ug/l	
108-88-3	Toluene	ND	2.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	6.6	2.5	ug/l	
108-67-8	1,3,5-Trimethylbenzene	5.3	2.5	ug/l	
1330-20-7	Xylenes (total)	6.0	2.5	ug/l	
95-47-6	o-Xylene	2.5	2.5	ug/l	
	m,p-Xylene	3.5	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	98%		75-125%
462-06-6	Fluorobenzene	104%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	EAST TANK PIT-WEST WALL COMPOSITE		
Lab Sample ID:	E40266-6	Date Sampled:	10/01/98
Matrix:	SO - Soil	Date Received:	10/03/98
Method:	SW846 8270C	Percent Solids:	n/a
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21729.D	1	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2							

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
91-20-3	Naphthalene	8.4	5.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		35-114%
321-60-8	2-Fluorobiphenyl	96%		43-116%
1718-51-0	Terphenyl-d14	108%		33-141%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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Client Sample ID:	EAST TANK PIT-FLOOR GRAB	Date Sampled:	10/01/98
Lab Sample ID:	E40266-7	Date Received:	10/03/98
Matrix:	SO - Soil	Percent Solids:	n/a
Method:	SW846 8021B		
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	NP20673.D	20	10/20/98	WG	10/07/98	GP5704	GNP715

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	10	ug/l	
104-51-8	n-Butylbenzene	ND	10	ug/l	
135-98-8	sec-Butylbenzene	ND	10	ug/l	
98-06-6	tert-Butylbenzene	ND	10	ug/l	
100-41-4	Ethylbenzene	70.4	10	ug/l	
98-82-8	Isopropylbenzene	10.9	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	ug/l	
91-20-3	Naphthalene	39.3	10	ug/l	
103-65-1	n-Propylbenzene	31.8	10	ug/l	
108-88-3	Toluene	264	10	ug/l	
95-63-6	1,2,4-Trimethylbenzene	235	10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	69.9	10	ug/l	
1330-20-7	Xylenes (total)	421	10	ug/l	
95-47-6	o-Xylene	129	10	ug/l	
	m,p-Xylene	292	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	98%		75-125%
462-06-6	Fluorobenzene	104%		75-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Report of Analysis

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Client Sample ID: EAST TANK PIT-FLOOR GRAB

Lab Sample ID: E40266-7

Date Sampled: 10/01/98

Matrix: SO - Soil

Date Received: 10/03/98

Method: SW846 8270C

Percent Solids: n/a

Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21730.D	1	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2							

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
91-20-3	Naphthalene	30.0	5.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		35-114%
321-60-8	2-Fluorobiphenyl	91%		43-116%
1718-51-0	Terphenyl-d14	114%		33-141%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: EAST TANK PIT-NORTH WALL COMPOSITE	
Lab Sample ID: E40266-8	Date Sampled: 10/01/98
Matrix: SO - Soil	Date Received: 10/03/98
Method: SW846 8021B	Percent Solids: n/a
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20674.D	5	10/20/98	WG	10/07/98	GP5704	GNP715
Run #2							

VOA STARS List,TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	2.5	ug/l	
104-51-8	n-Butylbenzene	ND	2.5	ug/l	
135-98-8	sec-Butylbenzene	ND	2.5	ug/l	
98-06-6	tert-Butylbenzene	ND	2.5	ug/l	
100-41-4	Ethylbenzene	ND	2.5	ug/l	
98-82-8	Isopropylbenzene	ND	2.5	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	ug/l	
91-20-3	Naphthalene	ND	2.5	ug/l	
103-65-1	n-Propylbenzene	ND	2.5	ug/l	
108-88-3	Toluene	ND	2.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	ug/l	
1330-20-7	Xylenes (total)	ND	2.5	ug/l	
95-47-6	o-Xylene	ND	2.5	ug/l	
	m,p-Xylene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	97 %		75-125 %
462-06-6	Fluorobenzene	104 %		75-125 %

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: EAST TANK PIT-NORTH WALL COMPOSITE							
Lab Sample ID: E40266-8		Date Sampled: 10/01/98					
Matrix: SO - Soil		Date Received: 10/03/98					
Method: SW846 8270C		Percent Solids: n/a					
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY							

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21736.D	1	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2							

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
91-20-3	Naphthalene	5.3	5.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		35-114%
321-60-8	2-Fluorobiphenyl	98%		43-116%
1718-51-0	Terphenyl-d14	113%		33-141%

ND = Not detected
 RDL = Reported Detection Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Report of Analysis

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Client Sample ID: EAST TANK PIT-SOUTH WALL COMPOSITE
Lab Sample ID: E40266-9 Date Sampled: 10/01/98
Matrix: SO - Soil Date Received: 10/03/98
Method: SW846 8021B Percent Solids: n/a
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20675.D	5	10/20/98	WG	10/07/98	GP5704	GNP715
Run #2							

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	2.5	ug/l	
104-51-8	n-Butylbenzene	ND	2.5	ug/l	
135-98-8	sec-Butylbenzene	ND	2.5	ug/l	
98-06-6	tert-Butylbenzene	ND	2.5	ug/l	
100-41-4	Ethylbenzene	ND	2.5	ug/l	
98-82-8	Isopropylbenzene	ND	2.5	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	ug/l	
91-20-3	Naphthalene	ND	2.5	ug/l	
103-65-1	n-Propylbenzene	ND	2.5	ug/l	
108-88-3	Toluene	ND	2.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	ug/l	
1330-20-7	Xylenes (total)	ND	2.5	ug/l	
95-47-6	o-Xylene	ND	2.5	ug/l	
	m,p-Xylene	ND	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	99%		75-125%
462-06-6	Fluorobenzene	104%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Report of Analysis

Page 1 of 1

Client Sample ID: EAST TANK PIT-SOUTH WALL COMPOSITE
Lab Sample ID: E40266-9 Date Sampled: 10/01/98
Matrix: SO - Soil Date Received: 10/03/98
Method: SW846 8270C Percent Solids: n/a
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21732.D	1	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2							

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		35-114%
321-60-8	2-Fluorobiphenyl	90%		43-116%
1718-51-0	Terphenyl-d14	109%		33-141%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**ACCUTEST.****Report of Analysis**

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Client Sample ID: EAST TANK PIT-EAST WALL COMPOSITE**Lab Sample ID:** E40266-10**Date Sampled:** 10/01/98**Matrix:** SO - Soil**Date Received:** 10/03/98**Method:** SW846 8021B**Percent Solids:** n/a**Project:** Hess #32458, 1314 Fairport Rd., Fairport, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20677.D	100	10/20/98	WG	10/07/98	GP5704	GNP715
Run #2							

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	50	ug/l	
104-51-8	n-Butylbenzene	ND	50	ug/l	
135-98-8	sec-Butylbenzene	ND	50	ug/l	
98-06-6	tert-Butylbenzene	ND	50	ug/l	
100-41-4	Ethylbenzene	676	50	ug/l	
98-82-8	Isopropylbenzene	117	50	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	ug/l	
91-20-3	Naphthalene	723	50	ug/l	
103-65-1	n-Propylbenzene	358	50	ug/l	
108-88-3	Toluene	597	50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2960	50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	830	50	ug/l	
1330-20-7	Xylenes (total)	4300	50	ug/l	
95-47-6	o-Xylene	1270	50	ug/l	
	m,p-Xylene	3030	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	98%		75-125%
462-06-6	Fluorobenzene	103%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Report of Analysis

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Client Sample ID: EAST TANK PIT-EAST WALL COMPOSITE

Lab Sample ID: E40266-10

Date Sampled: 10/01/98

Matrix: SO - Soil

Date Received: 10/03/98

Method: SW846 8270C

Percent Solids: n/a

Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21733.D	1	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2	H21741.D	5	10/15/98	JYZ	10/09/98	OP4323	EH1756

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
91-20-3	Naphthalene	555 ^a	25	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%	79%	35-114%
321-60-8	2-Fluorobiphenyl	91%	87%	43-116%
1718-51-0	Terphenyl-d14	107%	95%	33-141%

(a) Result is from Run# 2

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Report of Analysis

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Client Sample ID: FUEL OIL TANK PIT- WALLS & FLOOR COMPOSITE
Lab Sample ID: E40266-11 Date Sampled: 10/01/98
Matrix: SO - Soil Date Received: 10/03/98
Method: SW846 8021B Percent Solids: n/a
Project: Hess #32458, 1314 Fairport Rd., Fairport, NY

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP20676.D	5	10/20/98	WG	10/07/98	GP5704	GNP715
Run #2							

VOA STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	ND	2.5	ug/l	
104-51-8	n-Butylbenzene	ND	2.5	ug/l	
135-98-8	sec-Butylbenzene	ND	2.5	ug/l	
98-06-6	tert-Butylbenzene	ND	2.5	ug/l	
100-41-4	Ethylbenzene	ND	2.5	ug/l	
98-82-8	Isopropylbenzene	ND	2.5	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.5	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	ug/l	
91-20-3	Naphthalene	ND	2.5	ug/l	
103-65-1	n-Propylbenzene	ND	2.5	ug/l	
108-88-3	Toluene	ND	2.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	3.4	2.5	ug/l	
108-67-8	1,3,5-Trimethylbenzene	5.8	2.5	ug/l	
1330-20-7	Xylenes (total)	2.5	2.5	ug/l	
95-47-6	o-Xylene	ND	2.5	ug/l	
	m,p-Xylene	2.5	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	98%		75-125%
462-06-6	Fluorobenzene	104%		75-125%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**ACCUTEST.****Report of Analysis**

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Client Sample ID:	FUEL OIL TANK PIT- WALLS & FLOOR COMPOSITE		
Lab Sample ID:	E40266-11	Date Sampled:	10/01/98
Matrix:	SO - Soil	Date Received:	10/03/98
Method:	SW846 8270C	Percent Solids:	n/a
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H21734.D	1	10/15/98	JYZ	10/09/98	OP4323	EH1756
Run #2							

BN STARS List, TCLP Leachate

CAS No.	Compound	Result	RDL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
91-20-3	Naphthalene	4.1	5.0	ug/l	J
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		35-114%
321-60-8	2-Fluorobiphenyl	92%		43-116%
1718-51-0	Terphenyl-d14	109%		33-141%

ND = Not detected

RDL = Reported Detection Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



CHAIN OF CUSTODY

FRESH PONDS CORPORATE VILLAGE, BUILDING B
2235 ROUTE 130, DAYTON, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

ACCUTEST JOB #:

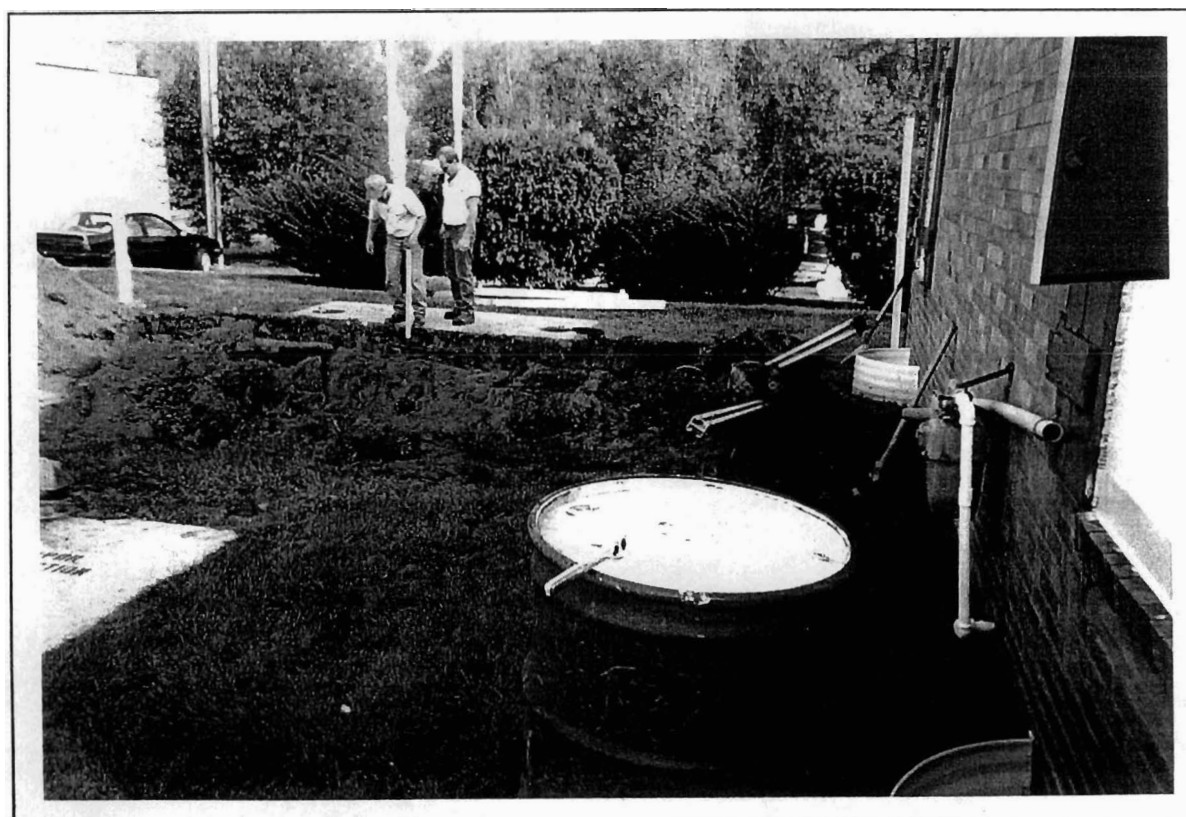
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APPENDIX B

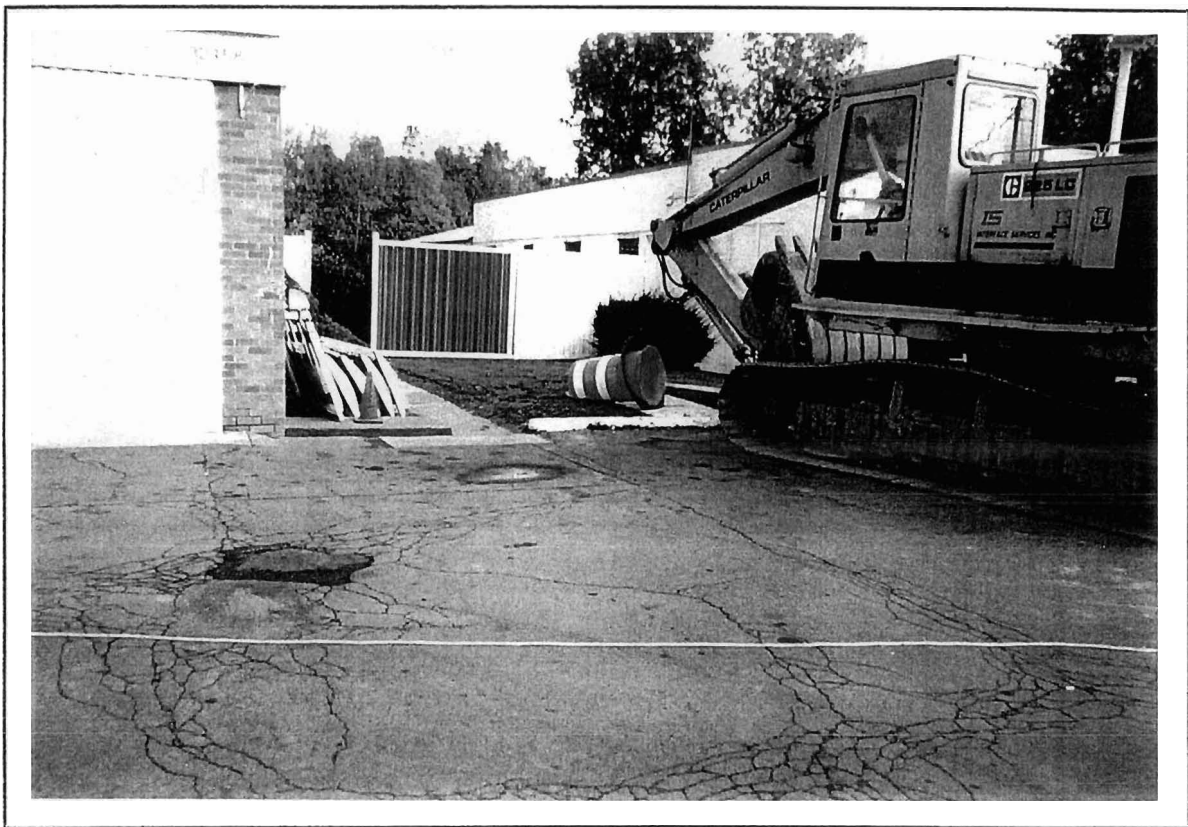




Photograph 1: View to the west of AHC station #32458



Photograph 2: View to the north of the west side of AHC station #32458



Photograph 3: View to the northeast of the east side of AHC station #32458



Photograph 4: Western-most 6,000-gallon UST removed from west side of station



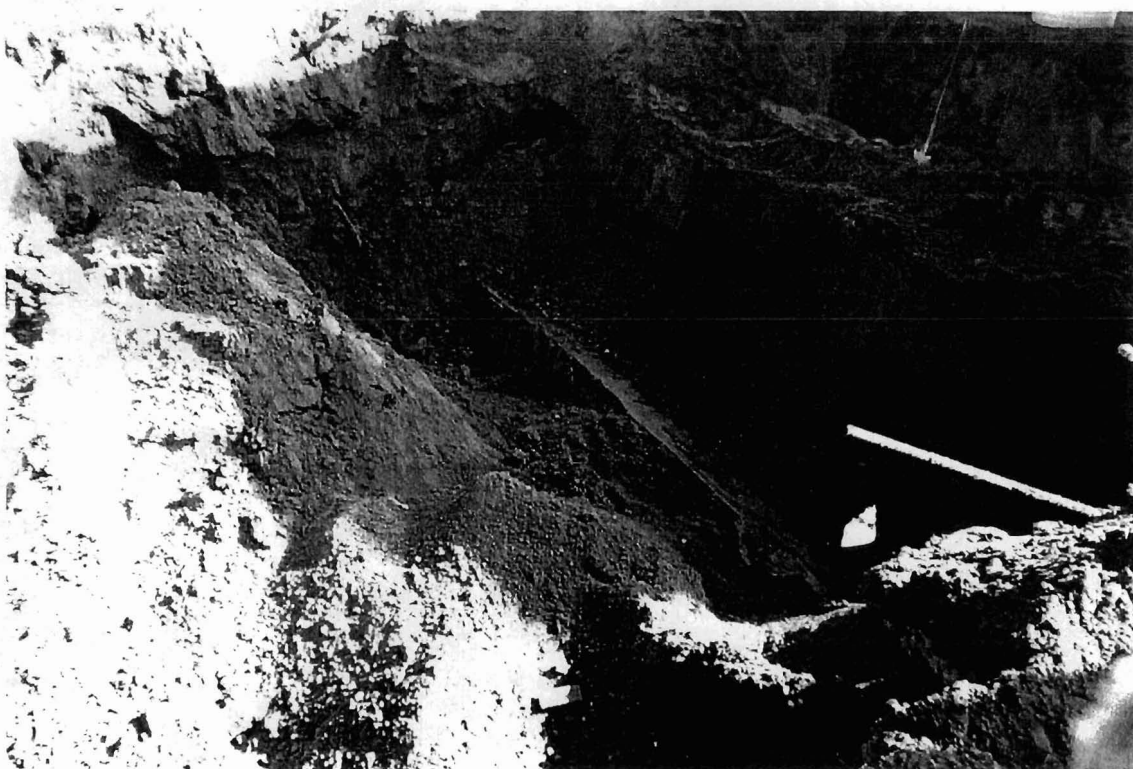
Photograph 5: Central 6,000-gallon UST removed from the west side of the station



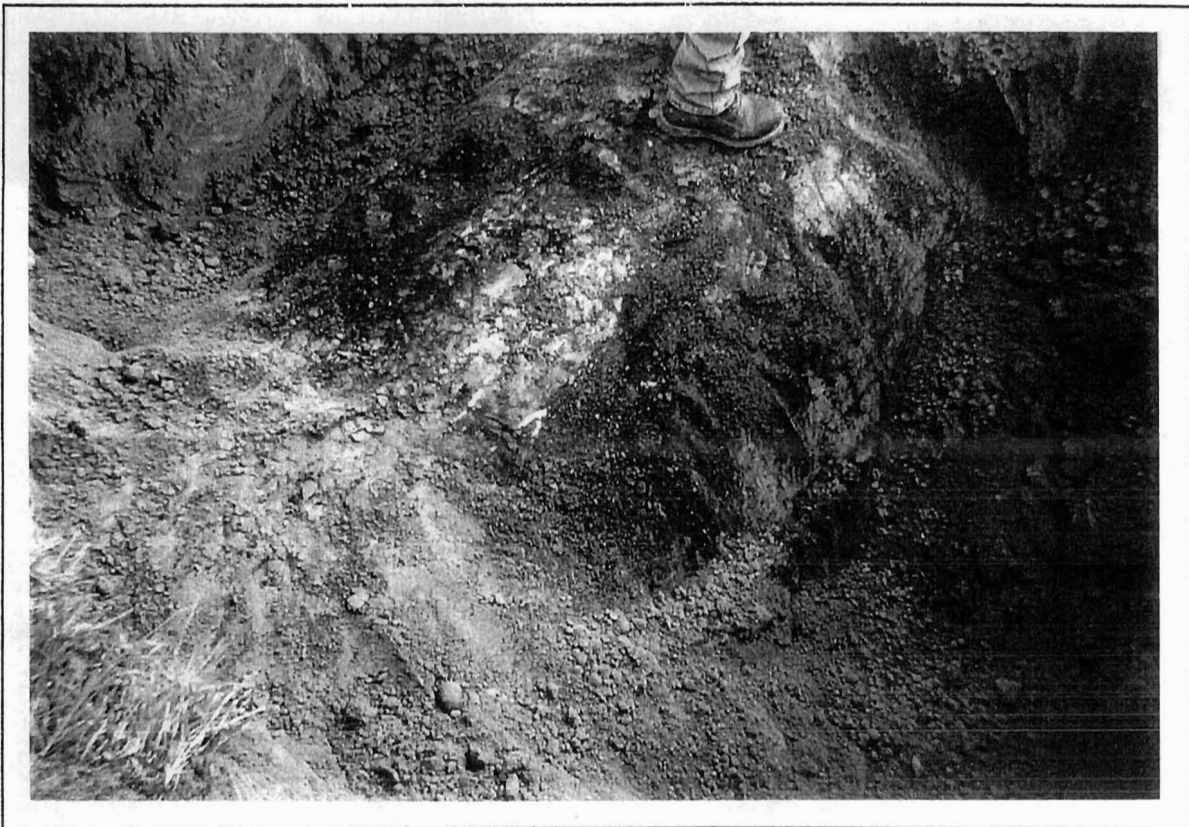
Photograph 6: Eastern-most 6,000-gallon UST removed from the west side of the station



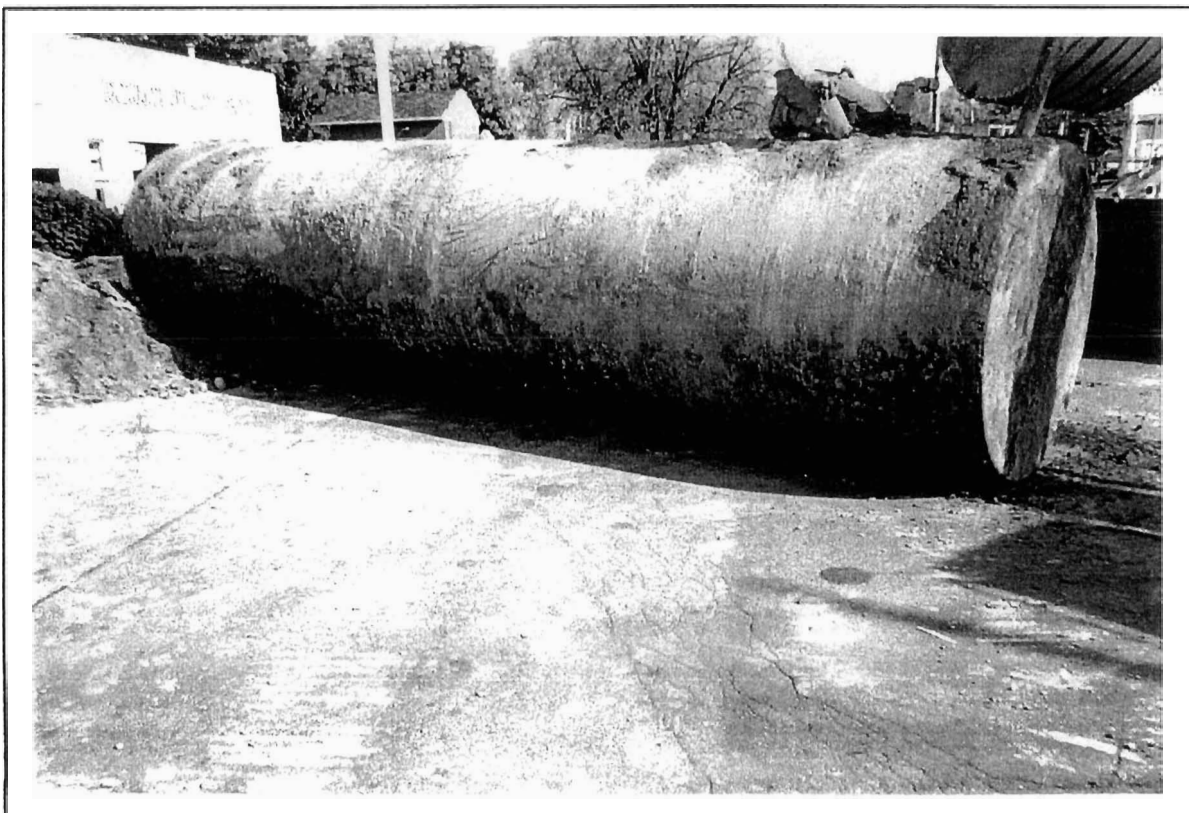
Photograph 7: View to the southeast of the western tank pit (east and south walls)



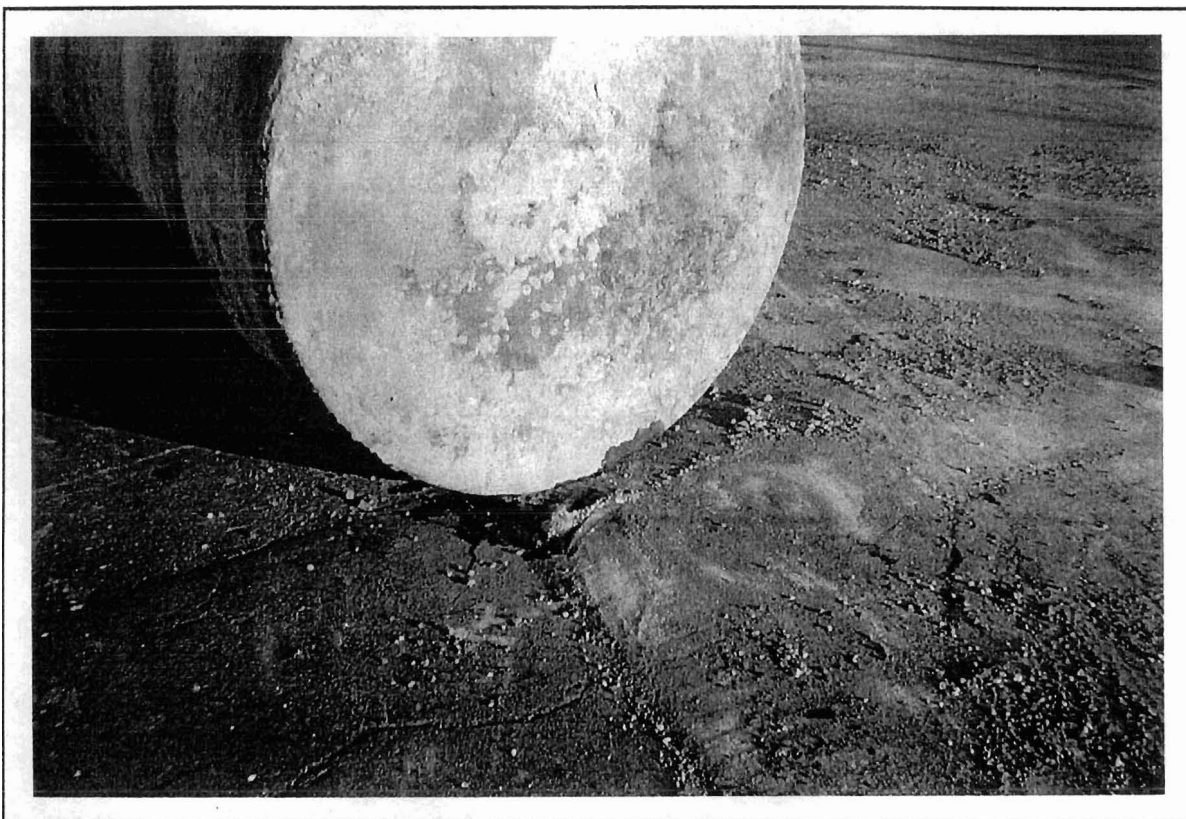
Photograph 8: View to the southwest of the western tank pit (south wall and floor)



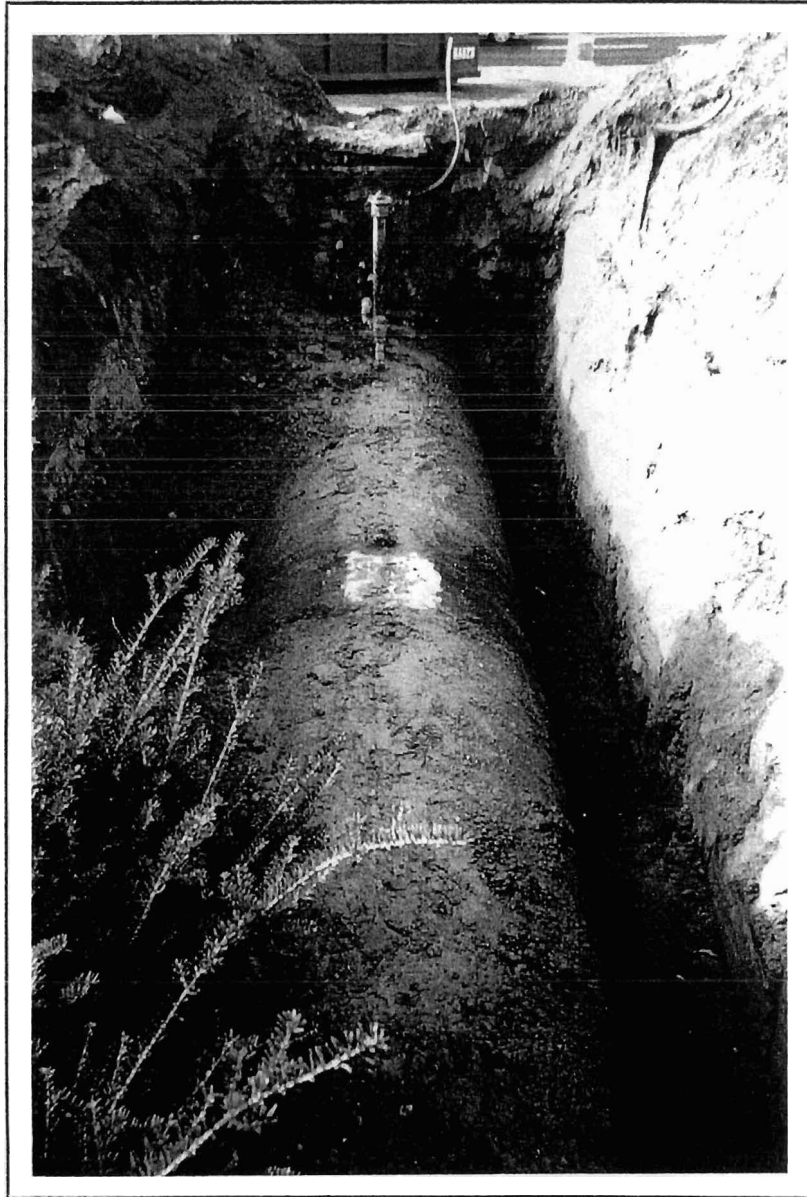
Photograph 9: Fiberglass patch on 4,000-gallon UST



Photograph 10: 4,000-gallon UST removed from the eastern side of the station



Photograph 11: Leak on southern end of 4,000-gallon UST



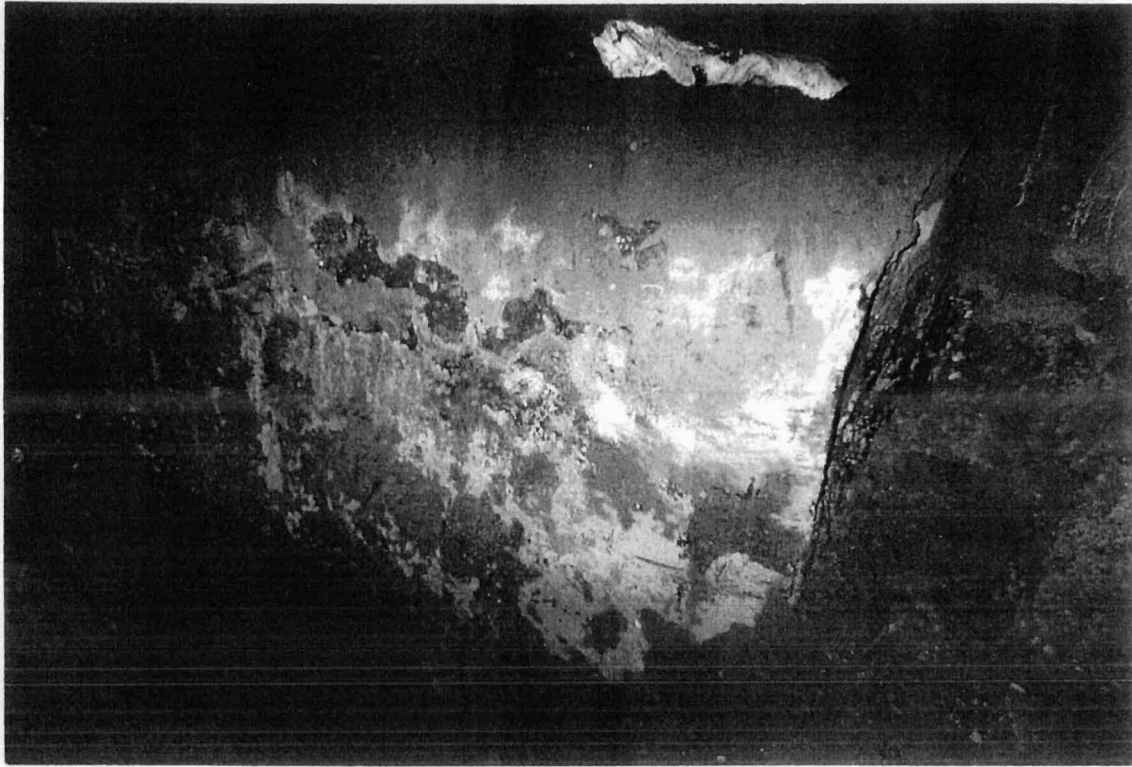
Photograph 12: View to the south of the eastern tank pit prior to tank removal



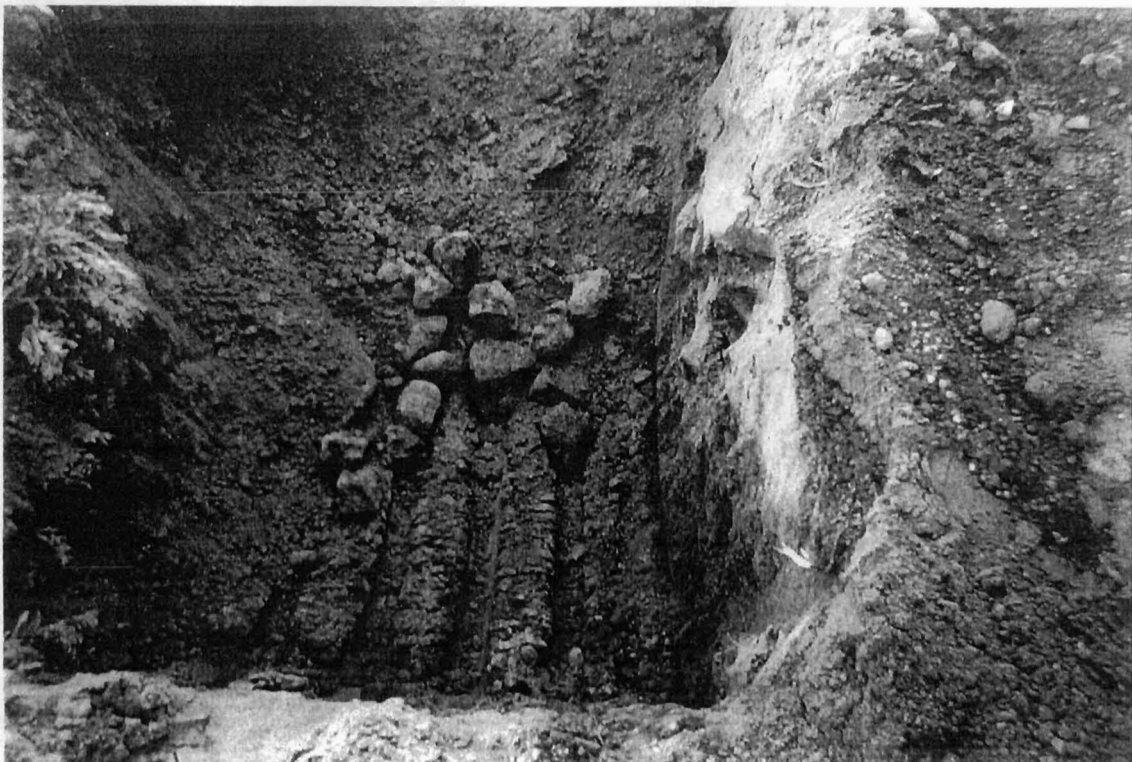
Photograph 13: Central east wall at 5-8 foot depth of eastern tank pit



Photograph 14: 275-gallon waste-oil tank on east side of station



Photograph 15: Close-up view of the eastern side of the 275-gallon waste-oil tank



Photograph 16: View to the north of black stained soils encountered at two foot depth during waste-oil tank excavation