AMERADA HESS CORPORATION

908-750-6000
908-750-6105 (FAX)

1 HESS PLAZA
WOODBRIDGE, NJ 07095-0961

August 29, 1997

Mr. Carl Hettenbaugh
Bureau of Spill Prevention and Response
New York State DEC
6274 East Avon-Lima Road
Avon, New York 14414

VIA CERTIFIED MAIL NO. P 424 305 549

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

Dear Mr. Hettenbaugh:

In accordance with the Stipulation Agreement issued for the above referenced site, this Investigation Plan is provided for your review.

Soil contamination was determined to exist near the two gasoline tank locations when preconstruction borings were performed. The analytical results from these borings are enclosed. The underground storage tank system upgrade is scheduled to begin on September 29, 1997. Soil from the two tank areas will be excavated in order to remove the existing tanks. Groundwater dewatering will be necessary in order to install the new tanks. It is anticipated that the majority of contamination will be removed by construction excavation and dewatering activities. Closure samples will be obtained from the tank, product line and dispenser excavation areas.

Following review of the tank closure report, further investigation plans will be proposed.

Please contact me at the letterhead address or directly at (908) 750-7068 if you have any questions.

Sincerely,

Dawn M. Johnson

Dawn M. Johnson
Hydrogeologist

DMJ:aw
Enclosure

ACCUTEST.

04/25/97

Technical Report for

Hydro Environmental Tech.

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

Accutest Job Number: E20305

Report to:

Amerada Hess
One Hess Plaza
Woodbridge, NJ 07095

ATTN: Dawn Johnson

Total number of pages in report: 12

Vincent J. Pugliese
President

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

Results relate only to the items tested.

ACCUTEST.

Sample Summary

Hydro Environmental Tech.

Date: 04/25/97
Job No: E20305

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

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
E20305-1	04/07/97	14:15 MNG	04/09/97	SO	Soil	SOIL BORING 1 - COMPOSITE 1
E20305-2	04/07/97	14:10 MNG	04/09/97	SO	Soil	SOIL BORING 1 - COMPOSITE 2
E20305-3	04/07/97	13:55 MNG	04/09/97	SO	Soil	SOIL BORING 1 - GRAB 1
E20305-4	04/07/97	15:40 MNG	04/09/97	SO	Soil	SOIL BORING 2 - COMPOSITE 3
E20305-5	04/07/97	15:42 MNG	04/09/97	SO	Soil	SOIL BORING 2 - COMPOSITE 4
E20305-6	04/07/97	15:35 MNG	04/09/97	SO	Soil	SOIL BORING 2 - GRAB 2

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 1 - COMPOSITE 1		
Lab Sample ID:	E20305-1	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
		Percent Solids:	78.6
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	53.7	32	mg/kg	1	04/14/97	MKR	EPA 418.1 M
Solids, Percent	78.6		%	1	04/11/97	LMM	EPA 160.3 M

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 1 - COMPOSITE 2		
Lab Sample ID:	E20305-2	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
		Percent Solids:	80.5
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<0.50	D004	5.0	0.50	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Barium	<1.0	D005	100	1.0	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Cadmium	<0.0050	D006	1.0	0.0050	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Chromium	0.010	D007	5.0	0.010	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Lead	<0.50	D008	5.0	0.50	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Mercury	<0.00020	D009	0.20	0.00020	mg/l	1	04/15/97	04/15/97	SJL	SW846 7470A
Selenium	<0.50	D010	1.0	0.50	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Silver	<0.010	D011	5.0	0.010	mg/l	1	04/17/97	04/21/97	MMC	SW846 6010A

RDL = Reported Detection Limit
MCL = Maximum Contamination Level

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 1 - COMPOSITE 2		
Lab Sample ID:	E20305-2	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
		Percent Solids:	80.5
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed	By	Method
Cyanide Reactivity	<1.9	1.9	mg/kg	1	04/12/97	MET	SW846 CHAP7
Ignitability (Flashpoint)	>200		Deg. F	1	04/16/97	LMM	SW846 CHAP7
Moisture, Percent	19.5		%	1	04/11/97	LMM	EPA 160.3 M
Sulfide Reactivity	<50	50	mg/kg	1	04/11/97	KY	SW846 CHAP7
pH	7.8		su	1	04/11/97	MC	SW846 9045

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 1 - COMPOSITE 2		
Lab Sample ID:	E20305-2	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
Method:	SW846 8080	**Percent Solids:**	80.5
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF12262.D	1	04/11/97	AH	04/09/97	OP2037	GEF1117
Run #2							

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	22	ug/kg	
11104-28-2	Aroclor 1221	ND	7.9	ug/kg	
11141-16-5	Aroclor 1232	ND	17	ug/kg	
53469-21-9	Aroclor 1242	ND	12	ug/kg	
12672-29-6	Aroclor 1248	ND	9.1	ug/kg	
11097-69-1	Aroclor 1254	ND	14	ug/kg	
11096-82-5	Aroclor 1260	ND	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		30-150%
2051-24-3	Decachlorobiphenyl	112%		30-150%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates that analyte is found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 1 - GRAB 1		
Lab Sample ID:	E20305-3	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
Method:	SW846 8010/8020	**Percent Solids:**	80.8
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13932.D	100	04/21/97	NBP	n/a	n/a	GJK588
Run #2							

Purgeable Aromatics

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	236	25	ug/kg	
100-41-4	Ethylbenzene	1610	25	ug/kg	
108-88-3	Toluene	80.0	25	ug/kg	
1330-20-7	Xylenes (total)	5280	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	104%		35-140%
462-06-6	Fluorobenzene	99%		42-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates that analyte is found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 2 - COMPOSITE 3		
Lab Sample ID:	E20305-4	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
		Percent Solids:	80.2
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed	By	Method
Petroleum Hydrocarbons	72.2	31	mg/kg	1	04/14/97	MKR	EPA 418.1 M
Solids, Percent	80.2		%	1	04/11/97	LMM	EPA 160.3 M

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 2 - COMPOSITE 4		
Lab Sample ID:	E20305-5	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
Method:	SW846 8080	**Percent Solids:**	79.0
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF12263.D	1	04/11/97	AH	04/09/97	OP2037	GEF1117
Run #2							

PCB List

CAS No.	Compound	Result	RDL	Units	Q
12674-11-2	Aroclor 1016	ND	22	ug/kg	
11104-28-2	Aroclor 1221	ND	8.0	ug/kg	
11141-16-5	Aroclor 1232	ND	18	ug/kg	
53469-21-9	Aroclor 1242	ND	12	ug/kg	
12672-29-6	Aroclor 1248	ND	9.3	ug/kg	
11097-69-1	Aroclor 1254	ND	14	ug/kg	
11096-82-5	Aroclor 1260	ND	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		30-150%
2051-24-3	Decachlorobiphenyl	88%		30-150%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates that analyte is found in associated method blank
N = Indicates presumptive evidence of a compound

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 2 - COMPOSITE 4		
Lab Sample ID:	E20305-5	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
		Percent Solids:	79.0
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

Metals Analysis, TCLP Leachate

Analyte	Result	HW#	MCL	RDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	<0.50	D004	5.0	0.50	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Barium	<1.0	D005	100	1.0	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Cadmium	<0.0050	D006	1.0	0.0050	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Chromium	0.013	D007	5.0	0.010	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Lead	<0.50	D008	5.0	0.50	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Mercury	0.00048	D009	0.20	0.00020	mg/l	1	04/15/97	04/15/97	SJL	SW846 7470A
Selenium	<0.50	D010	1.0	0.50	mg/l	1	04/17/97	04/17/97	NS	SW846 6010A
Silver	<0.010	D011	5.0	0.010	mg/l	1	04/17/97	04/21/97	MMC	SW846 6010A

RDL = Reported Detection Limit
MCL = Maximum Contamination Level

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 2 - COMPOSITE 4		
Lab Sample ID:	E20305-5	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
		Percent Solids:	79.0
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

General Chemistry

Analyte	Result	RDL	Units	DF	Analyzed	By	Method
Cyanide Reactivity	<1.9	1.9	mg/kg	1	04/12/97	MET	SW846 CHAP7
Ignitability (Flashpoint)	>200		Deg. F	1	04/16/97	LMM	SW846 CHAP7
Moisture, Percent	21		%	1	04/11/97	LMM	EPA 160.3 M
Sulfide Reactivity	<50	50	mg/kg	1	04/11/97	KY	SW846 CHAP7
pH	7.7		su	1	04/11/97	MC	SW846 9045

RDL = Reported Detection Limit

ACCUTEST.

Report of Analysis

Client Sample ID:	SOIL BORING 2 - GRAB 2		
Lab Sample ID:	E20305-6	**Date Sampled:**	04/07/97
Matrix:	SO - Soil	**Date Received:**	04/09/97
Method:	SW846 8010/8020	**Percent Solids:**	78.0
Project:	Hess #32458, 1314 Fairport Rd., Fairport, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JK13933.D	1000	04/21/97	NBP	n/a	n/a	GJK588
Run #2							

Purgeable Aromatics

CAS No.	Compound	Result	RDL	Units	Q
71-43-2	Benzene	573	260	ug/kg	
100-41-4	Ethylbenzene	5950	260	ug/kg	
108-88-3	Toluene	1460	260	ug/kg	
1330-20-7	Xylenes (total)	20600	260	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		35-140%
462-06-6	Fluorobenzene	90%		42-125%

ND = Not detected
RDL = Reported Detection Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates that analyte is found in associated method blank
N = Indicates presumptive evidence of a compound

80

CHAIN OF CUSTODY

ACCUTEST
FRESH PONDS CORPORATE VILLAGE, BUILDING B
2235 ROUTE 130, DAYTON, NJ 08810
908-329-0200 FAX: 908-329-3499/3480

ACCUTEST JOB #:

ACCUTEST QUOTE #:

CLIENT INFORMATION

MARK GRAVES
NAME
HYDROENVIRONMENTAL TECH. INC
ADDRESS
Suite 205, 3522 JAMES ST.
CITY, STATE, ZIP
SYRACUSE N.Y. 13206
SEND REPORT TO:
PHONE # 315-437-3484

FACILITY INFORMATION

HESS - FAIRPORT, N.Y.
PROJECT NAME
(RT 31) 1314 FAIRPORT Rd.
LOCATION
STATION # 32458
PROJECT NO.
FAX # 315-437-3161

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	TPH	FLASH (IGNITABILITY)	Rx(CN-,S-)	PCB (8080)	TCLP - RCRA METALS	BTEX (8020)	% MOISTURE	pH	VOCs 624 + MTBE			LAB USE ONL.
EHOOS-1	SOIL BORING 1 - COMPOSITE1	4/7/97	1415	MNG	SO	1					X	X												3C
-2	" " 1 " 2		1410		SO	1					X		X	X	X	X		X	X					2P
-3	" " 1 ~~GRAB~~ " 1		1355		SO	1					X						X							1401
-4	SOIL BORING 2 - COMPOSITE3		1540		SO	1					X	X												3C
-5	" " 2 - COMPOSITE4		1542		SO	1					X		X	X	X	X		X	X					2P
-6	" " 2 - GRAB 2		1535		SO	1					X						X							1401
	~~BORING #1~~ NOT COLLECTED																			X				
	BORING #2																			X				

DATA TURNAROUND INFORMATION

- ☐ 21 DAYS STANDARD
- ☐ 14 DAYS *RUSH*
- ☐ 7 DAYS *EMERGENCY*
- ☒ OTHER HESS STD

APPROVED BY:

21 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☐ NJ REDUCED
- ☐ NJ Full
- ☐ FULL CLP
- ☐ DISK DELIVERABLE
- ☐ OTHER (SPECIFY)
- ☐ COMMERCIAL "A"
- ☐ COMMERCIAL "B"
- ☐ STATE FORMS

COMM A

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Mark Graves	4/8/97 1330	1.	2.	4-9-970930	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ____ C
5.		5.			