

# AMERADA HESS CORPORATION RECEIVED

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

AUG 20 2001  
1 HESS PLAZA  
WOODBIDGE, NJ 07095-0961  
SPILLS / BULK STORAGE  
NYS DEC REGION 8

August 14, 2001

Mr. Peter 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 # 7000 1670 0012 2872 7495  
RETURN RECEIPT REQUESTED**

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

Dear Mr. Miller:

Enclosed please find the Hydrogeologic Status Report for the above referenced site. This report contains data obtained during the second quarter of 2001. The site remains on a quarterly groundwater sampling schedule.

Amerada Hess Corporation is currently negotiating an access agreement with 7-Eleven to install a groundwater monitoring well along the southwest edge of the adjacent property. The well will be scheduled for installation upon receipt of access. Your office will be notified two days prior to the commencement of work.

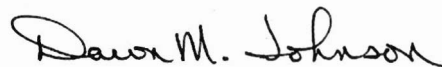
Monitoring well MW-2R was installed on April 9, 2001 to replace monitoring well MW-2, which was destroyed by the Town of Perinton during sewer line repair and maintenance. The geologist well log is included for your review as Appendix II. The soil analytical report is included as Appendix III.

A Remedial Action Plan (RAP) is being developed for Hess by EMS Environmental, Inc. A sparge well and an additional monitoring well, MW-8 were installed on August 9, 2001. These wells will be used to conduct remedial design field tests. The RAP is expected to be finalized during the third quarter of 2001.

As previously requested in a letter dated January 30, 2001, Hess awaits your written authorization to suspend quarterly sampling from wells MW-4 and MW-5.

Please contact me at the letterhead address, or directly at (732) 750-7068 with any questions or comments.

Sincerely,



Dawn M. Johnson  
Senior Hydrogeologist

Enclosure

cc: J. Smith, IT Corporation (w/o Enclosure)  
J. Slaughter – EMS (w/ Enc.)

July 13, 2001

RECEIVED

AUG 20 2001

SPILLS / BULK STORAGE

NYS DEC REGION 8

**QUARTERLY GROUNDWATER STATUS REPORT**

(2<sup>nd</sup> Reporting Period of 2000)

**Hess Station #32458**

1314 Fairport Road  
Fairport, New York  
NYSDEC Spill No. 97-01135

Prepared for: Dawn M. Johnson  
Senior Hydrogeologist  
Amerada Hess Corporation  
1 Hess Plaza  
Woodbridge, New Jersey 07095

Prepared by: IT Corporation  
367 American Oil Road  
Rensselaer, New York 12144

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Appendix III	Soil Analytical Data

## TABLES

**Table 1**  
**Well Survey and Monitoring Data**  
**Hess Station #32458**  
**Fairport, NY**  
**May 21, 2001**

Well Number	Casing Elevation	Depth of Well	Depth to Water	Water Elevation
MW-1	93.96	20.00	8.70	85.26
MW-2R	94.10	20.00	8.65	85.45
MW-3R	93.84	18.00	8.25	85.59
MW-4	92.86	20.00	7.20	85.66
MW-5	91.45	14.00	6.00	85.45
MW-6	93.51	17.00	8.50	85.01
MW-7	93.95	16.00	8.70	85.25

**Note:**

All measurements are reported in feet.

**Table 2**  
**Groundwater Analytical Results**  
**Hess Station #32458**  
**Fairport, NY**  
**May 21, 2001**

<b>Well Number</b>	<b>Benzene</b>	<b>Toluene</b>	<b>Ethylbenzene</b>	<b>Total Xylenes</b>	<b>MTBE</b>	<b>Naphthalene</b>
MW-1	7,100	450	3,000	8,800	90	610
MW-2R	21,000	17,000	4,300	22,200	4,100	810
MW-3R	4,600	34,000	3,500	17,000	3,600	760
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	220	56	990	3,060	44	370
MW-7	680	160	740	1,540	860	ND

**Notes:**

All concentrations are reported in micrograms per liter (ug/L);

ND - Not detected at method detection limit.

**Table 3**  
**Historical Dissolved BTEX Concentrations**  
**Hess Station #32458**  
**Fairport, NY**

Date	MW-1	MW-2	MW-2R	MW-3R	MW-4	MW-5	MW-6	MW-7
11/18/98	32,722	1,188.2	NI	NI	ND	1.5	NI	NI
11/17/99	30,620	1,738	NI	NI	ND	ND	NI	NI
02/22/00	25,486.8	1,176.9	NI	NI	0.99	ND	NI	NI
05/23/00	22,340	4,870	NI	87,700	ND	ND	14,040	536
08/29/00	20,780	521	NI	62,300	ND	ND	16,110	1,581
11/20/00	21,770	558	NI	28,400	ND	ND	12,880	2,424
02/19/01	24,760	WD	NI	65,600	ND	1.6	11,983	260.3
05/21/01	19,350	WD	64,500	59,100	ND	ND	4,326	3,120

**Notes:**

All concentrations are reported in micrograms per liter (ug/L);

NI - Well not installed as of sampling date;

ND - Not detected at method detection limit;

WD - Well destroyed during sewer line repairs and maintenance.

**Table 4**  
**Historical Dissolved MTBE Concentrations**  
**Hess Statation #32458**  
**Fairport, New York**

Date	MW-1	MW-2	MW-2R	MW-3R	MW-4	MW-5	MW-6	MW-7
11/18/98	<100	ND	NI	NI	ND	ND	NI	NI
11/17/99	<200	ND	NI	NI	ND	ND	NI	NI
02/22/00	ND	ND	NI	NI	ND	ND	NI	NI
05/23/00	150.0	410.0	NI	4,700	ND	ND	230	20
08/29/00	ND	10.0	NI	3,300	ND	ND	210	67
11/20/00	130	ND	NI	2,000	ND	ND	130	85
02/19/01	180	WD	NI	4,100	ND	1.6	150	61
05/21/01	90	WD	4,100	3,600	ND	ND	44	860

**Notes:**

All concentrations are reported in micrograms per liter (ug/L);

NI - Well not installed as of sampling date;

< - Not detected, method detection limit greater than NYSDEC Guidance Value;

WD - Well destroyed during sewer line repairs and maintenance.

ND - Not detected at method detection limit.



**Table 5**  
**Historical Dissolved Naphthalene Concentrations**  
**Hess Station #32458**  
**Fairport, NY**

Date	MW-1	MW-2	MW-2R	MW-3R	MW-4	MW-5	MW-6	MW-7
11/18/98	5.1	88.6	NI	NI	ND	ND	NI	NI
11/17/99	ND	23.3	NI	NI	ND	ND	NI	NI
02/22/00	467	58.4	NI	NI	ND	ND	NI	NI
05/23/00	660	330	NI	570	ND	ND	920	69
08/29/00	710	39	NI	1,800	ND	ND	1,000	210
11/20/00	610	ND	NI	540	ND	ND	1,100	170
02/19/01	670	WD	NI	660	ND	ND	870	29
05/21/01	610	WD	810	760	ND	ND	370	ND

**Notes:**

All concentrations are reported in micrograms per liter (ug/L);

NI - Well not installed as of sampling date;

ND - Not detected at method detection limit;

WD - Well destroyed during sewer line repairs and maintenance.

**Table 6**  
**Historical Depth to Groundwater Measurements**  
**Hess Station #32458**  
**Fairport, NY**

Date	MW-1	MW-2	MW-2R	MW-3R	MW-4	MW-5	MW-6	MW-7
11/18/98	NG	NG	NI	NI	NG	NG	NI	NI
11/17/99	11.50	10.60	NI	NI	9.76	8.45	NI	NI
02/22/00	10.35	9.33	NI	NI	7.00	6.87	NI	NI
05/23/00	7.26	7.69	NI	6.66	5.63	3.68	6.64	5.93
08/29/00	10.31	8.35	NI	9.93	8.66	7.52	10.17	10.50
11/20/00	10.68	9.55	NI	10.01	9.10	7.49	10.58	10.80
02/19/01	8.10	WD	NI	7.34	6.25	4.36	7.56	7.85
05/21/01	8.70	WD	8.65	8.25	7.20	6.00	8.50	8.70

**Notes:**

All measurements are reported in feet;

NG - Not gauged due to sampler error;

NI - Well not installed as of the sampling date;

WD - Well destroyed during sewer line repairs and maintenance.

Table 7  
Summary of Soil Analytical Data  
Hess Station #32458  
Fairport, New York  
April 17, 2001

Volatile Parameters (8021 STARS)	TAGM Soil Cleanup Objectives	MW-2R
Benzene	60	<b>4,290</b>
n-Butylbenzene	18,000	<5900
sec-Butylbenzene	25,000	10,400
tert-Butylbenzene	11,000	<590
Ethylbenzene	5,500	<b>50,400</b>
Isopropylbenzene	2,300	1,200
p-Isopropyltoluene	11,000	<590
Methyl-tert-butyl-ether	120	<590
Naphthalene	13,000	<b>36,600</b>
n-Propylbenzene	3,700	<b>36,000</b>
Toluene	1,500	<b>48,800</b>
1,2,4-Trimethylbenzene	13,000	<b>231,000</b>
1,3,5-Trimethylbenzene	3,300	<b>69,100</b>
o-Xylene	600	<b>103,000</b>
m,p-Xylenes	1,200	<b>271,000</b>

Notes:

All concentrations are reported in milligrams per kilogram (ppb);

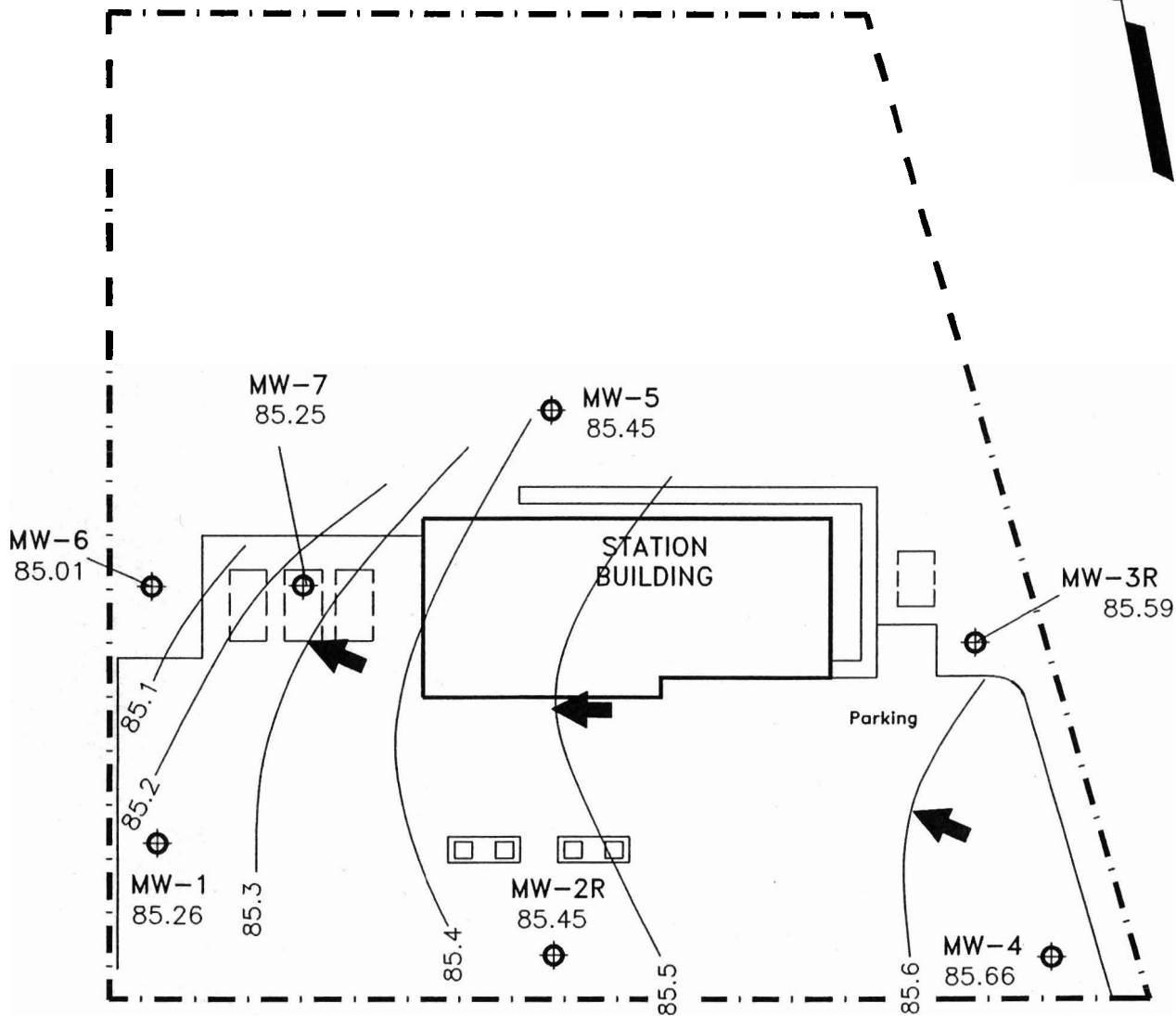
Technical and Administrative Guidance Memorandum (TAGM) 4046, Division of Environmental Remediation, New York State Department of Environmental Conservation (NYSDEC);

< - Not detected at or above provided detection limit.

Bold indicates values in exceedance of Soil Cleanup Objectives

## FIGURES

IMAGE	X-REF	FFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	M/ALB	AY/SSH/SL	07-06-01		812258A57-2Q-01



Fairport Road (N.Y. Route 31)

SCALE  
0 10 20 feet  
(approximate)

#### LEGEND

- MONITORING WELL
- 85.26 GROUNDWATER ELEVATION IN FEET
- GROUNDWATER ELEVATION CONTOUR LINE
- ➔ APPARENT GROUNDWATER FLOW DIRECTION
- FORMER UST LOCATION

#### REFERENCE:

BASE MAP FROM FOSTER WHEELER  
ENVIRONMENTAL CORPORATION

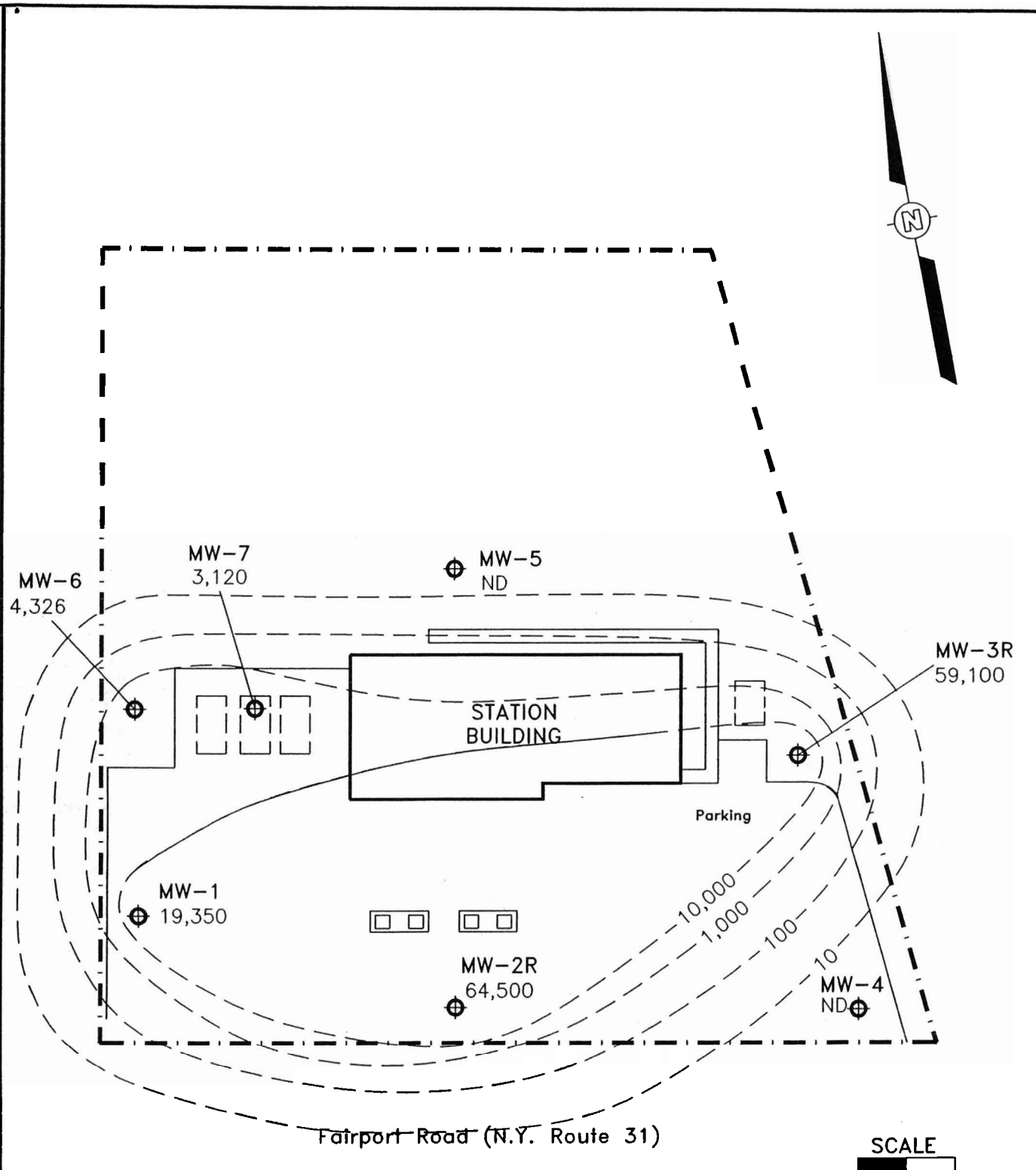


AMERADA HESS CORPORATION  
HESS STATION #32458  
1314 FAIRPORT ROAD  
FAIRPORT, NY

FIGURE 1  
APPARENT GROUNDWATER FLOW  
DIRECTION MAP

MAY 21, 2001

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	SOM/ALB	AY/SSH/SL	07-06-01		812258A58-2Q-01



#### LEGEND

- MONITORING WELL
- 3,120 DISSOLVED BTEX CONCENTRATION(ug/L)
- DISSOLVED BTEX CONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- ND NOT DETECTED AT REPORTING DETECTION LIMIT
- FORMER UST LOCATION

#### REFERENCE:

BASE MAP FROM FOSTER WHEELER ENVIRONMENTAL CORPORATION



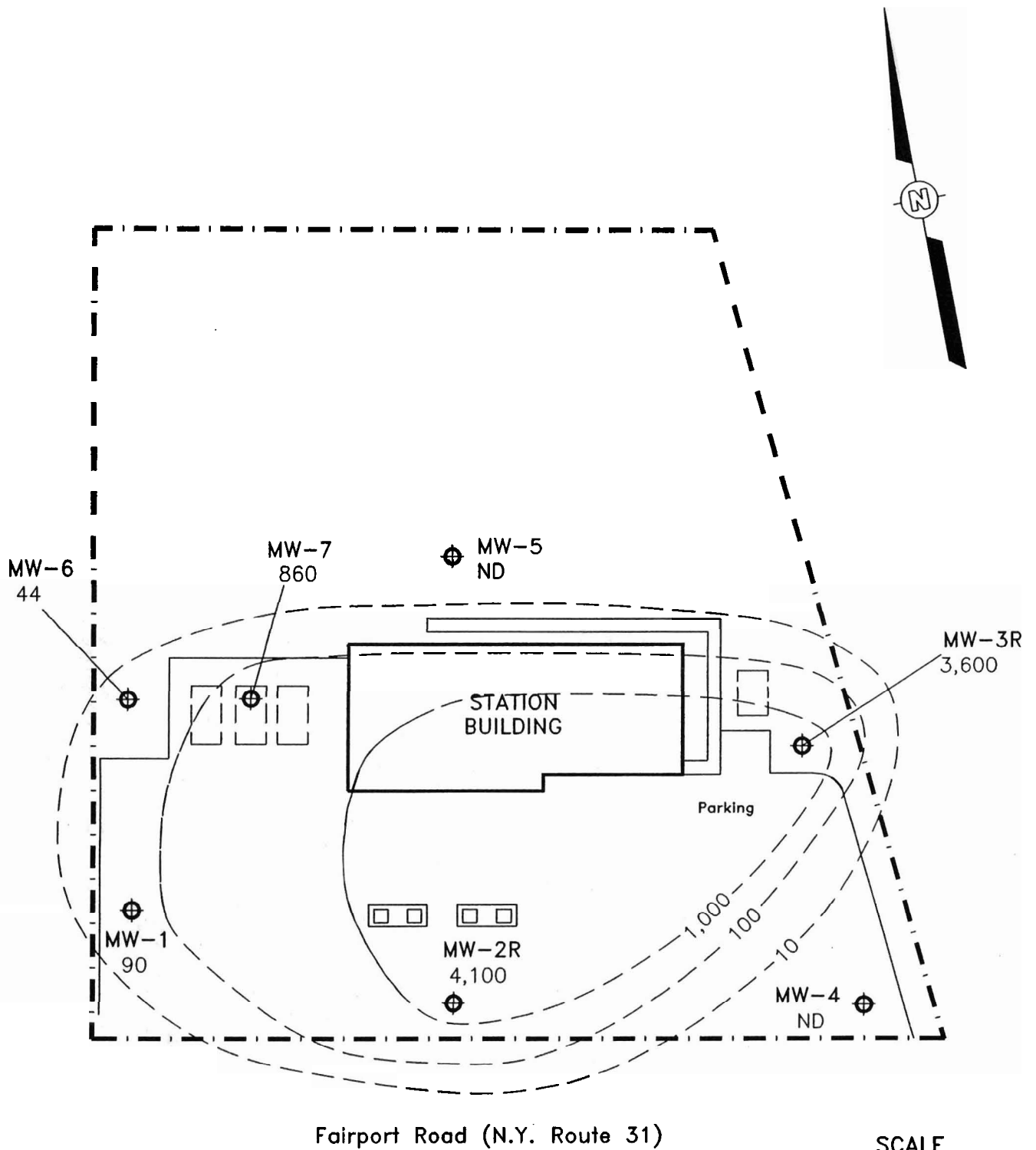
AMERADA HESS CORPORATION

HESS STATION #32458

1314 FAIRPORT ROAD  
FAIRPORT, NY

FIGURE 2  
GROUNDWATER BTEX  
CONCENTRATION MAP  
MAY 21, 2001

IMAGE	X-REF	OFFICE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
---	---	SOM/ALB	AY/SSH/SL	07-06-01		812258A59-2Q-01



SCALE

0 10 20 feet  
(approximate)

**LEGEND**

- MONITORING WELL
- 90 DISSOLVED MTBE CONCENTRATION(ug/L)
- DISSOLVED MTBE CONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- ND NOT DETECTED AT REPORTING DETECTION LIMIT
- FORMER UST LOCATION

**REFERENCE:**

BASE MAP FROM FOSTER WHEELER  
ENVIRONMENTAL CORPORATION

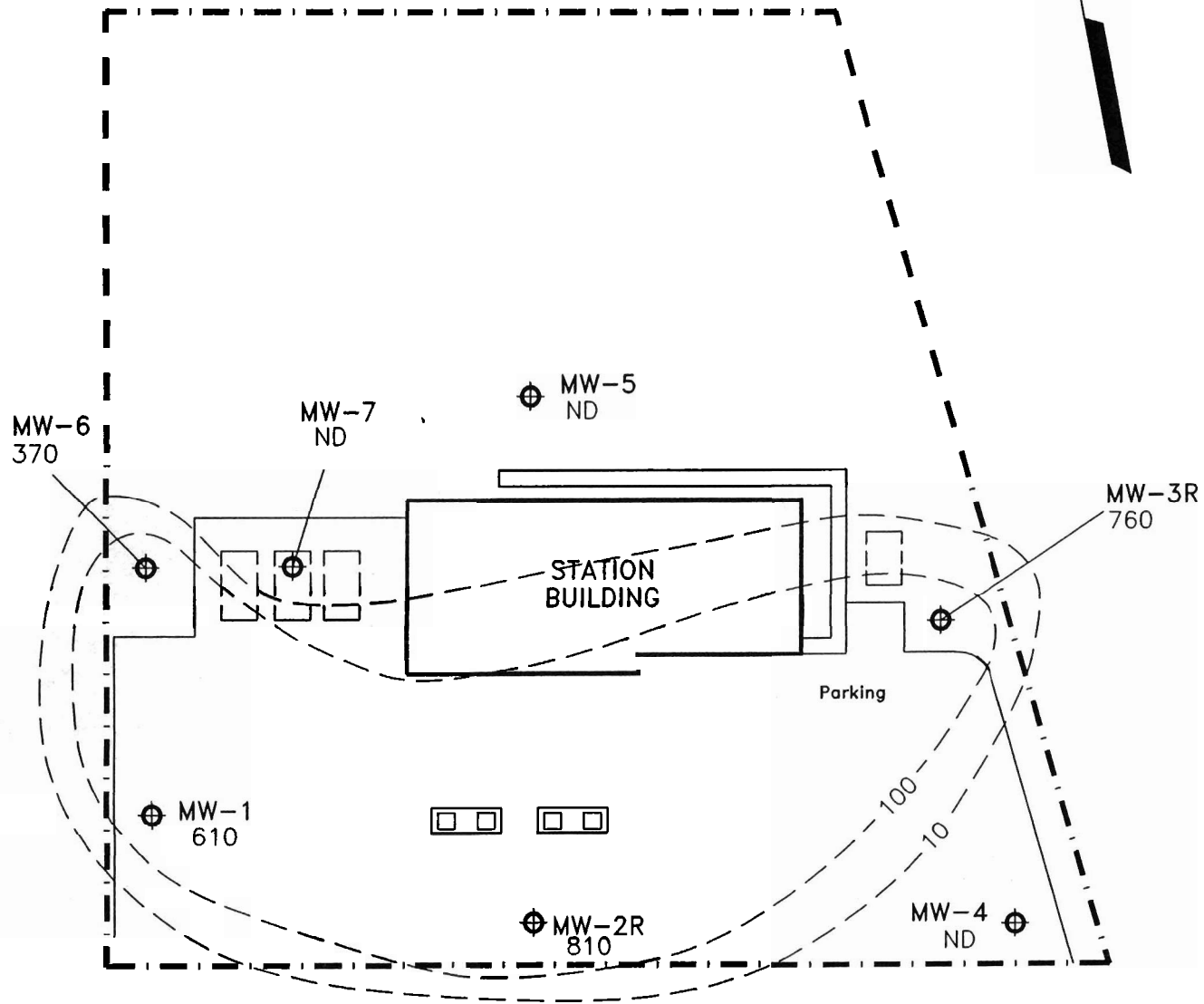


AMERADA HESS CORPORATION

HESS STATION #32458  
1314 FAIRPORT ROAD  
FAIRPORT, NY

FIGURE 3

GROUNDWATER MTBE  
CONCENTRATION MAP  
MAY 21, 2001



Fairport Road (N.Y. Route 31)

SCALE  
0 10 20 feet  
(approximate)

**LEGEND**

- MONITORING WELL
- 610 DISSOLVED NAPHTHALENE CONCENTRATION(ug/L)
- DISSOLVED NAPHTHALENE CONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- ND NOT DETECTED AT REPORTING DETECTION LIMIT
- FORMER UST LOCATION

**REFERENCE:**

BASE MAP FROM FOSTER WHEELER  
ENVIRONMENTAL CORPORATION



AMERADA HESS CORPORATION  
HESS STATION #32458  
1314 FAIRPORT ROAD  
FAIRPORT, NY

FIGURE 4  
GROUNDWATER NAPHTHALENE  
CONCENTRATION MAP  
MAY 21, 2001

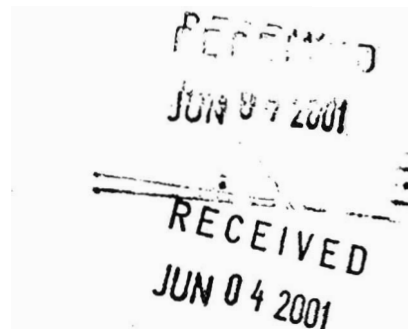


## APPENDICES

**APPENDIX I**

**Groundwater Analytical Data**

TOXIKON CORPORATION  
15 WIGGINS AVENUE  
BEDFORD, MA 01730  
TEL: (781) 275-3330



May 31, 2001

STEVE LASHER  
IT CORP  
P.O. BOX 29  
367 AMERICAN OIL ROAD  
RENNSELAER, NY 12144  
TEL: (518) 462-8202  
FAX (518) 436-7882

RE: AHC #32458/FAIRPORT

Order No.: 0105428

Dear STEVE LASHER,

Toxikon received 7 samples on 5/23/01 for the analyses presented in the following report.

Unless noted in the report, there were no problems with the analyses and all data for associated QC met EPA or laboratory specifications.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Handwritten signature of Paul Lezberg.

Paul Lezberg

Certifications: MA: MA 064, NH: 204099D and 204099E, ME: MA064, RI: 55, VT: MA064, TN: MA064  
NY: 10778, FL: E87143 and 87394, NC: 286, PA 68-461, CT: PH 0563, NJ: 59538, MD

**Toxikon**

**Date:** 31-May-01

---

**CLIENT:** IT CORP  
**Project:** AHC #32458/FAIRPORT  
**Lab Order:** 0105428  
**Date Received:** 5/23/01

---

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Collection Date</b>
0105428-01A	MW-1	5/21/01 6:48:00 PM
0105428-02A	MW-2	5/21/01 6:21:00 PM
0105428-03A	MW-3R	5/21/01 6:55:00 PM
0105428-04A	MW-4	5/21/01 5:57:00 PM
0105428-05A	MW-5	5/21/01 6:05:00 PM
0105428-06A	MW-6	5/21/01 6:39:00 PM
0105428-07A	MW-7	5/21/01 6:13:00 PM

---

**Toxikon**

Date: 31-May-01

CLIENT: IT CORP

Client Sample ID: MW-1

Lab Order: 0105428

Collection Date: 5/21/01 6:48:00 PM

Project: AHC #32458/FAIRPORT

Matrix: AQUEOUS

Lab ID: 0105428-01A

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst CR
Benzene	7,100	35		µg/L	50	5/28/01
Ethylbenzene	3,000	50		µg/L	50	5/28/01
Methyl tert-butyl ether	90	50		µg/L	50	5/28/01
Naphthalene	610	50		µg/L	50	5/28/01
Toluene	450	50		µg/L	50	5/28/01
m,p-Xylene	7,000	50		µg/L	50	5/28/01
o-Xylene	1,800	50		µg/L	50	5/28/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# Toxikon

Date: 31-May-01

CLIENT: IT CORP

Client Sample ID: MW-2

Lab Order: 0105428

Collection Date: 5/21/01 6:21:00 PM

Project: AHC #32458/FAIRPORT

Matrix: AQUEOUS

Lab ID: 0105428-02A

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: CR
Benzene	21,000	70		µg/L	100	5/28/01
Ethylbenzene	4,300	100		µg/L	100	5/28/01
Methyl tert-butyl ether	4,100	100		µg/L	100	5/28/01
Naphthalene	810	100		µg/L	100	5/28/01
Toluene	17,000	100		µg/L	100	5/28/01
m,p-Xylene	16,000	100		µg/L	100	5/28/01
o-Xylene	6,200	100		µg/L	100	5/28/01

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**Toxikon**

Date: 31-May-01

CLIENT: IT CORP

Client Sample ID: MW-3R

Lab Order: 0105428

Collection Date: 5/21/01 6:55:00 PM

Project: AHC #32458/FAIRPORT

Matrix: AQUEOUS

Lab ID: 0105428-03A

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: CR
Benzene	4,600	70		µg/L	100	5/28/01
Ethylbenzene	3,500	100		µg/L	100	5/28/01
Methyl tert-butyl ether	3,600	100		µg/L	100	5/28/01
Naphthalene	760	100		µg/L	100	5/28/01
Toluene	34,000	500		µg/L	100	5/28/01
m,p-Xylene	12,000	100		µg/L	100	5/28/01
o-Xylene	5,000	100		µg/L	100	5/28/01

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# Toxikon

Date: 31-May-01

CLIENT: IT CORP

Client Sample ID: MW-4

Lab Order: 0105428

Collection Date: 5/21/01 5:57:00 PM

Project: AHC #32458/FAIRPORT

Matrix: AQUEOUS

Lab ID: 0105428-04A

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: CR
Benzene	ND	0.70		µg/L	1	5/28/01
Ethylbenzene	ND	1.0		µg/L	1	5/28/01
Methyl tert-butyl ether	ND	1.0		µg/L	1	5/28/01
Naphthalene	ND	1.0		µg/L	1	5/28/01
Toluene	ND	1.0		µg/L	1	5/28/01
m,p-Xylene	ND	1.0		µg/L	1	5/28/01
o-Xylene	ND	1.0		µg/L	1	5/28/01

## Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level



# Toxikon

Date: 31-May-01

CLIENT: IT CORP

Client Sample ID: MW-5

Lab Order: 0105428

Collection Date: 5/21/01 6:05:00 PM

Project: AHC #32458/FAIRPORT

Matrix: AQUEOUS

Lab ID: 0105428-05A

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: CR
Benzene	ND	0.70		µg/L	1	5/28/01
Ethylbenzene	ND	1.0		µg/L	1	5/28/01
Methyl tert-butyl ether	ND	1.0		µg/L	1	5/28/01
Naphthalene	ND	1.0		µg/L	1	5/28/01
Toluene	ND	1.0		µg/L	1	5/28/01
m,p-Xylene	ND	1.0		µg/L	1	5/28/01
o-Xylene	ND	1.0		µg/L	1	5/28/01

**Qualifiers:**  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**Toxikon****Date:** 31-May-01**CLIENT:** IT CORP**Client Sample ID:** MW-6**Lab Order:** 0105428**Collection Date:** 5/21/01 6:39:00 PM**Project:** AHC #32458/FAIRPORT**Matrix:** AQUEOUS**Lab ID:** 0105428-06A

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS		E602				Analyst: CR
Benzene	220	7.0		µg/L	10	5/28/01
Ethylbenzene	990	10		µg/L	10	5/28/01
Methyl tert-butyl ether	44	10		µg/L	10	5/28/01
Naphthalene	370	10		µg/L	10	5/28/01
Toluene	56	10		µg/L	10	5/28/01
m,p-Xylene	2,700	10		µg/L	10	5/28/01
o-Xylene	360	10		µg/L	10	5/28/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# Toxikon

Date: 31-May-01

CLIENT: IT CORP

Client Sample ID: MW-7

Lab Order: 0105428

Collection Date: 5/21/01 6:13:00 PM

Project: AHC #32458/FAIRPORT

Matrix: AQUEOUS

Lab ID: 0105428-07A

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
PURGEABLE AROMATICS	E602					Analyst: CR
Benzene	680	3.5		µg/L	5	5/28/01
Ethylbenzene	740	5.0		µg/L	5	5/28/01
Methyl tert-butyl ether	860	5.0		µg/L	5	5/28/01
Naphthalene	ND	5.0		µg/L	5	5/28/01
Toluene	160	5.0		µg/L	5	5/28/01
m,p-Xylene	1,400	5.0		µg/L	5	5/28/01
o-Xylene	140	5.0		µg/L	5	5/28/01

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range



15 Wiggins Ave., Bedford, MA 01730  
Telephone: (781) 275-3330  
Fax: (781) 275-7478

# CHAIN OF CUSTODY RECORD

WORK ORDER #: 01-05-400  
DUE DATE: 05-30-01

COMPANY: IT Corporation  
ADDRESS: 367 American Oil Rd.  
Rensselaer, NY 12144  
PHONE #: (518) 462-8202 FAX #: (518) 436-7880  
P.O. #: \_\_\_\_\_  
PROJECT MANAGER: Steve Lasher  
PROJECT ID/LOCATION: AHC# 32458 Fairport

SAMPLE TYPE CONTAINER TYPE  
1. WASTEWATER P - PLASTIC  
2. SOIL G - GLASS  
3. SLUDGE V - VOA  
4. OIL  
5. DRINKING WATER  
6. WATER (GW/MW/SW)  
7. OTHER (SPECIFY)

## ANALYSES

PRESERVATIVE

SPECIAL INSTRUCTIONS/COMMENTS

TOXIKON	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER			SAMPLING		PRESERVATIVE											SPECIAL INSTRUCTIONS/COMMENTS
			SIZE	TYPE	#	DATE	TIME												
①	MW-1	G	40ml	V	2	5/10/01	1848	HCL	X	X									Please Use
②	MW-2						1821												0.7 ug/L
③	MW-3R						1855												Detection Limit
④	MW-4						1757												for Benzene
⑤	-5						1805												
⑥	MW-6						1839												
⑦	MW-7	↓	↓	↓	↓	↓	1813		↓	↓									

SAMPLED BY: Mike Polek

DATE: 5-21-01  
TIME: 19-15-00

QUOTATION #:

RELINQUISHED BY: Michael W. Polek

DATE: 5-22-01  
TIME: 16-00-00

RECEIVED BY:

DATE: \_\_\_\_\_  
TIME: \_\_\_\_\_

RELINQUISHED BY: USPS

DATE: 05-23-01  
TIME: 19-15

RECEIVED FOR LAB BY: J. M. Lasher

DATE: 05-23-01  
TIME: 19-15

METHOD OF SHIPMENT 1200

COOLER TEMPERATURE 4.1°C

☐ RUSH ..... BUSINESS DAY TURN AROUND  
☒ ROUTINE HESS 14 DAY Standard  
Sample disposal information  
Are there any other known or suspected contaminants in these samples other than those listed above?  
Yes No X If Yes list known

STATION NUMBER AHC 3.2 458  
 LOCATION Fairport  
 SAMPLING PERSONNEL Mike Polek  
 PROJECT MANAGER Steve Lasher

DATE 5/21/01  
 WEATHER/TEMP. Rainy 60's  
 TIME OF ARRIVAL 1550  
 TIME OF DEPARTURE 1915

MONITORING/TANK WELL #	MW-1	MW-2	MW-3R	MW-4	MW-5	MW-6	MW-7			
DEPTH OF WELL	20	20	18	20	14	17	16			
DEPTH OF PRODUCT										
PRODUCT THICKNESS										
DEPTH TO GROUNDWATER	8.7	8.65	8.25	7.2	6.0	8.5	8.7			
SAMPLING DEPTH										
SAMPLE TIME	1848	1821	1855	1757	1805	1839	1813			

\*GROUNDWATER SHOULD BE ALLOWED TO RECOVER TO ORIGINAL ELEVATION PRIOR TO SAMPLING

PURGE METHOD Bailers

VOLUME PURGED (GALLONS) 12g/Dry 4g/Dry 6g/Dry 16g/Dry 9g/Dry 3g/Dry 3.5g/Dry


#### OBSERVATION

	Clear	Turbid	Cloudy/	Clear	Turbid	Sl. Turbid	Cloudy/			
COLOR	NO	YES	NO	NO	NO	NO	NO			
SHEEN	YES	YES	YES	NO	NO	YES	YES			
ODOR	OK	OK	OK	OK	OK	OK	OK			
WELL/MANHOLE CONDITION	OK	OK	OK	OK	OK	OK	OK			
GRIPPER PLUG/ LOCK COND..	OK	OK	OK	OK	OK	OK	OK			

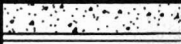

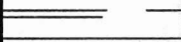

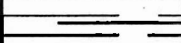
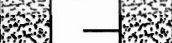
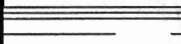

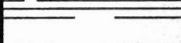

COMMENTS MW-2 Purge water contained product.

## APPENDIX II

### Geologist Well Log

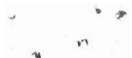
CONSULTANT: 	DATE DRILLED: 4/9/01	TOTAL DEPTH: 20'	LOGGED BY: Kurt Trumbauer		
	DRILLING METHOD: Auger		BORING/WELL #: MW-2R		
LOCATION: Fairport, NY	SAMPLE METHOD: Split Spoon		DRILLING COMPANY: Summit Drilling		
PROJECT #/FACILITY #: AHC Station #32458	CASING: 5'	SIZE: 2"	CLIENT: Amerada Hess Corp.		
GROUT: 0' - 1'	BENTONITE PELLETS: 1' - 2'		GRAVEL PACK: 2' - 20'		

SOIL DESCRIPTION / REMARKS	GRAPHIC LOG	WELL DIAGRAM	DEPTH (ft)	SAMPLE	PID (ppm)
0'-1' Concrete and gravel				○	2000
1'-5' Dark Brown Silty Clay			5	○	2000
5'-10' Dark Brown Silty Clay			10	○ □	2100
10'-15' As above			15	○	2200
15'-20' Dark Brown to Gray Brown Silty Clay, Wet @ 15 feet			20		
			30		
			35		
			40		
			45		

○ SPLIT SPOON SAMPLE	✚ GRAB SAMPLE	□ SAMPLE SUBMITTED TO LAB
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## **APPENDIX III**

### **Soil Analytical Data**



B. Lloyd  
File



**ACCUTEST**

IN



2001 MAY 10 A 11:10

*initial incomplete report rcvd 5/7/01 am*

Technical Report for

Amerada Hess Corp.

Hess #32458, 1314 Fairport Road, Fairport, NY

32458

Accutest Job Number: E89419

Report to:

Amerada Hess Corp.  
1 Hess Plaza  
Muttonhollow Road  
Woodbridge, NJ 07095

ATTN: Dawn Johnson

Total number of pages in report: 5

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

Amerada Hess Corp.

Job No: E89419

Hess #32458, 1314 Fairport Road, Fairport, NY  
Project No: 32458

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
E89419-1	04/09/01	16:00	KWT	04/17/01 SO Soil	MW-2R

# Report of Analysis

Page 1 of 1

Client Sample ID:	MW-2R	Date Sampled:	04/09/01
Lab Sample ID:	E89419-1	Date Received:	04/17/01
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8021B		
Project:	Hess #32458, 1314 Fairport Road, Fairport, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NP37698.D	500	04/23/01	SWK	n/a	n/a	GNP2199
Run #2 <sup>a</sup>	JK49007.D	5000	05/01/01	RFY	n/a	n/a	GJK2195

## VOA STARS List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	4290	590	ug/kg	
104-51-8	n-Butylbenzene	ND <sup>b</sup>	5900	ug/kg	
135-98-8	sec-Butylbenzene	10400	590	ug/kg	
98-06-6	tert-Butylbenzene	ND	590	ug/kg	
100-41-4	Ethylbenzene	50400 <sup>b</sup>	5900	ug/kg	
98-82-8	Isopropylbenzene	12000	590	ug/kg	
99-87-6	p-Isopropyltoluene	ND	590	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	590	ug/kg	
91-20-3	Naphthalene	36600 <sup>b</sup>	5900	ug/kg	
103-65-1	n-Propylbenzene	36000 <sup>b</sup>	5900	ug/kg	
108-88-3	Toluene	48800 <sup>b</sup>	5900	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	231000 <sup>b</sup>	5900	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	69100 <sup>b</sup>	5900	ug/kg	
1330-20-7	Xylenes (total)	374000 <sup>b</sup>	5900	ug/kg	
95-47-6	o-Xylene	103000 <sup>b</sup>	5900	ug/kg	
	m,p-Xylene	271000 <sup>b</sup>	5900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3017-95-6	2-Bromo-1-chloropropane	105%		40-140%
462-06-6	Fluorobenzene	84%	104%	50-126%
98-08-8	aaa-Trifluorotoluene	118%	100%	54-126%

(a) Sample originally analyzed within the holding time.

(b) Result is from Run# 2

ND = Not detected

RL = Reporting 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



50

2

## CHAIN OF CUSTODY

732-329-0200 FAX: 732-329-3499/3480

59410

**ACCUTEST QUOTE #:**[illegible]