N61165.AR.003886
CNC CHARLESTON
5090.3a

WORKPLAN IMPLEMENTATION PROGRESS REPORT PHASE I SOURCE REMOVAL AND ASSESSMENT WITH TRANSMITTAL CNC CHARLESTON SC
6/11/1997
AMERADA HESS CORPORATION

REPORT

WORKPLAN IMPLEMENTATION PROGRESS REPORT

PHASE I: SOURCE REMOVAL AND ASSESSMENT

Amerada Hess Corporation
Charleston South Terminal
5150 Virginia Avenue
North Charleston, South Carolina

February 1997

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

AMERADA HESS CORPORATION

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

1 HESS PLAZA
WOODBRIDGE, NJ 07095-0961

June 11, 1997

Mr. Daryle L. Fontenot, P. E.
Environmental Engineer
Naval Facilities Engineering Command
Southern Division
2155 Eagle Drive
N. Charleston, SC 29406

Re: Phase I: Source Removal and Assessment
Amerada Hess - Charleston South Terminal
4650 Virginia Avenue
N. Charleston, South Carolina

Dear Mr. Fontenot:

Enclosed please find one (1) copy of the above referenced report for the Amerada Hess - Charleston South Terminal.

Please do not hesitate to call me at (908) 750-6555 or Mr. Joe Farry of H_20 Environmental, Inc. at (803) 749-4080 if you need any additional information.

Sincerely,

Amerada Hess Corporation

Pete Haid

Pete Haid, Manager
Marketing Environmental Affairs

PH:aw
Enclosures

WORKPLAN IMPLEMENTATION PROGRESS REPORT

PHASE I: SOURCE REMOVAL AND ASSESSMENT

Prepared For:

Amerada Hess Corporation
One Hess Plaza
Woodbridge, NJ 07095

Prepared By:

H_2O Environmental, Inc.
130 Centrum Drive, Suite 3B
Irmo, SC 29063

February 1997

TABLE OF CONTENTS

SECTION 1.0 INTRODUCTION

1.1 Scope of Work

SECTION 2.0 STRUCTURE DEMOLITION AND SOIL REMOVAL

2.1 Demolition

2.2 Soil Screening & Analyses

2.3 Roofing Panels

SECTION 3.0 SITE INVESTIGATION

3.1 Soil Sampling and Analysis

3.2 Lithology

3.3 Ground Water Elevation and Flow Elevation

3.4 Pilot Testing

3.4.1 Pumping Test Analysis

3.4.2 Vapor Extraction Testing

3.5 Ground Water Quality Distribution

SECTION 4.0 CONCLUSIONS AND RECOMMENDATIONS

FIGURES

FIGURE 1.0 LOCATION MAP - USGS QUADRANGLE

FIGURE 2.0 SITE PLAN - JANUARY 1997

FIGURE 2.1 VICINITY MAP - JANUARY 1997

FIGURE 2.2 VICINITY MAP - NOVEMBER 1996

FIGURE 2.3 SITE PLAN - NOVEMBER 1996

FIGURE 3.0 SOIL QUALITY DISTRIBUTION - JANUARY 1997

FIGURE 3.1 SOIL QUALITY DISTRIBUTION W/BTEX CONTOURS - JANUARY 1997

FIGURE 4.0 LINES OF CROSS SECTION - JANUARY 1997

FIGURE 4.1 GEOLOGIC CROSS SECTION - JANUARY 1997

FIGURE 5.0 VICINITY GROUND WATER FLOW - JANUARY 1997

FIGURE 5.1 GROUND WATER FLOW - JANUARY 1997

FIGURE 6.0 GROUND WATER QUALITY FREE PRODUCT PLUME - JANUARY 1997

FIGURE 6.1 GROUND WATER QUALITY WITH BENZENE CONTOURS - JANUARY 1997

FIGURE 6.2 GROUND WATER QUALITY WITH BTEX CONTOURS - JANUARY 1997

TABLES

TABLE 1	SUMMARY OF SOIL FIELD SCREENING RESULTS
TABLE 2	SUMMARY OF SOIL ANALYTICAL RESULTS
TABLE 3	SUMMARY OF LIQUID LEVEL MEASUREMENTS AND GROUND WATER ELEVATIONS
TABLE 3a	SUMMARY OF NAVY WELL LIQUID LEVEL MEASUREMENTS AND GROUND WATER ELEVATIONS
TABLE 4	SUMMARY OF VAPOR EXTRACTION PILOT TESTING
TABLE 5	SUMMARY OF GROUND WATER ANALYTICAL DATA
TABLE 6	SUMMARY OF APPENDIX 9 GROUND WATER ANALYTICAL DATA

APPENDICES

APPENDIX A	LABORATORY ANALYTICAL REPORTS
APPENDIX B	GEOLOGIC LOGS
APPENDIX C	RESULTS OF PUMPING TEST ANALYSIS
APPENDIX D	DISPOSAL MANIFEST

SECTION 1.0
INTRODUCTION

In December, 1996, H_2O Environmental, Inc. (H_2O), submitted an Environmental Investigation Workplan (EIW) on behalf of Amerada Hess Corporation (AHC) for the Hess Charleston - South Terminal (HCST) located at 4650 Virginia Avenue, North Charleston, South Carolina (see Figure 1.0). The EIW was developed in response to the discovery of light non-aqueous phase liquid (NAPL) in a monitoring well located in the northwest corner of Charleston Naval Base. This well, designated as NCBA-039-011 on Figure 2.0, is adjacent to the HCST property boundary. The physical relationship between the subject Navy and Hess properties is more clearly shown on Figure 2.1.

The history, background, physiography and regional hydrogeology was presented in the EIW and will not be re-stated here. This report outlines the work completed in December of 1996 and January of 1997 at the HCST.

1.1 Scope of Work

One purpose of this portion of the workplan implementation was to identify and then to eliminate potential contamination discharge sources. The second objective was to assess the areal extent of separate phase hydrocarbons (SPH) and to investigate the most appropriate technology to abate the SPH.

Considering the location of the Navy well in which product was identified, the most likely sources for the SPH were the three loading racks (No. 1, No. 2 and No. 3) and associated fill ports and diversion values. Figure 2.2 shows the structures and the Navy well NBCA-039-011. These structures have been out of service since 1980 and were removed to eliminate them as a possible continuing source of discharge.

A drilling/well installation program was completed to attempt to identify the source areas of highest contamination or the existing source and extent of free product. The location of the wells installed are shown on Figure 2.0.

2.1 Demolition

Three existing loading racks and associated piping in the area were removed between December 12 - 17, 1996. Existing drawings identified the three loading racks as numbers 1, 2, and 3 and the locations are shown on Figure 2.3. Personnel from H_2O Environmental, Inc. supervised the demolition and removal work done by 3R of Charleston, Inc.(3R).

Pipes below ground ranged from two inches in diameter to six inches in diameter. Roughly 2,350 linear feet of piping were first flushed with water and a vacuum truck then removed the water. The pipes were one to two feet below ground and were extracted by an excavator lifting up the piping. The pipes were then cut into haulable lengths and transported by 3R to a local steel scrap yard for reuse.

2.2 Soil Screening & Analyses

A portable photoionization detector (PID) was used to screen the soil at surface level and directly beneath the pipes. The PID readings are presented on Table 1, and the eight line sample locations (LS-1 to LS-8) are shown on Figure 3.0. The PID readings are tabulated in Table 1 and ranged from 40 ppm to over 2000 ppm. Soil samples were collected and placed into plastic bags and sealed. The sample containers were shaken, allowed to warm, and then the tip of the PID was inserted into the bag and the reading taken. Laboratory analyses of selected line samples are tabulated in Table 2 and the laboratory reports are contained in Appendix A.

Approximately 450 tons of soil were removed from the area during pipe and loading rack demolition and stockpiled on-site. A 10 mil poly sheet is under, and covers the soil pile. Five (5) composite soil samples from the stockpile (SP-1 through SP-5) were collected and sent for laboratory analysis. The results are shown on Table 2. On March 8, 1997, 509.19 tons of soil were removed by 3R of Charleston, Inc., for treatment and disposal by Southeastern Soil Recovery. Manifests and weigh tickets can be found in Appendix D.

2.3 Roofing Panels

Approximately 500 square feet of 1/2" thick roofing panels on loading rack #3 were carefully removed and placed into a roll off. This non-friable roofing material was analyzed as containing 25% crysolyte. This material was landfilled in accordance with Federal, State, and Amerada Hess Corporation rules and guidelines on March 7, 1997. The disposal manifest and SCDHEC authorization is included in Appendix D.

3.1 Soil Sampling and Analysis

From December 17, 1996 to December 20, 1996, H_2O Environmental, Inc. supervised the installation of eighteen (18) four inch and two (2), two inch diameter wells. During the course of drilling, soil samples were collected and screened with a PID for total hydrocarbons. The results of the field screening are summarized on Table 1. The soil sample exhibiting the highest hydrocarbon reading was sent to the laboratory of analysis for benzene, toluene, ethylbenzene and xylenes (BTEX), naphthalene and polynuclear aromatic hydrocarbons (PAH's) and total petroleum hydrocarbons for gasoline and diesel (TPH_G, TPH_D) constituents. The results are summarized on Table 2 and presented graphically on Figure 3.0. Figure 3.1 provides contours for the Total BTEX concentrations.

3.2 Lithology

The soil samples collected were inspected to determine the subsurface lithology at the site. In general, gray-brown silty/clayey fine sands, very clayey sands, and sandy clays were found from ground surface to 5-10 feet below land surface. Underlying these soils, gray-brown-tan sandy and silty clays (3-8 feet in thickness) with interbedded discontinuous thin layers of sand/silt/clay were found. At approximately 15 feet below land surface a blue-green-gray sandy clay was encountered. The geologic logs for newly installed wells MW-5 through MW-22 and PZ-1 and PZ-2 are contained in Appendix B. Figure 4.0 shows two (2) lines of geologic cross section which are depicted on Figure 4.1.

3.3 Ground Water Elevation and Flow Direction

The liquid levels were measured in the new wells on December 21, 1996 and measurements were coordinated with the Navy on January 22, 1997. The measurements and corrected water elevations are shown on Table 3 and Table 3a and the data is presented graphically on Figures 5.0 and 5.1. The data indicated that the ground water is flowing to the south-southwest across the Hess property and to the south-southeast on the Navy property.

3.4 Pilot Testing

A combined vapor extraction and pumping test was conducted on January 17, 1997. The test was conducted by applying a vacuum of 15 inches of mercury (IHG) to MW-11 with a vac-truck. The suction from the vac-truck withdrew a water and air mixture. When the well was evacuated of

water, air was drawn from the vadose zone. When the well recharged with water, a slug of water was removed by the suction. This process was then repeated with alternating slugs of air and water being drawn by the vac-truck for a period of four hours and forty-five minutes. The water flow rate averaged 2.5 gallons per minute (GPM) and the air flow rate was estimated at 50 CFM from MW-11. Drawdown was measured in wells PZ-1, PZ-2, MW-6 and MW-9 by an electronic data logger. The data logger probe was installed through an air tight well cap fitted with a sample port. Vacuum readings were recorded with Magnehelic vacuum gauges throughout the test.

3.4.1 Pumping Test Analysis

The water level data collected by the data logger was transferred into Aqtesolv V. 2.12 for analysis by the Cooper Jacob Modified Method for unconfined aquifers. The data collected and the resulting analysis is contained in Appendix C. The results are summarized below:

I.D.	T (ft^2/min.)	S
PZ-1	6.5×10^{-2}	3.9×10^{-4}
PZ-2	0.13	5.1×10^{-4}
MW-9	0.22	1.1×10^{-3}
MW-6	0.29	2.2×10^{-3}
Average	0.18	1×10^{-3}

Therefore, the average transmissivity at the site is approximately 0.2 ft^2/min. or 288 ft^2/day. Assuming an aquifer thickness of 10 feet (ground water to top of clay layer at 15 feet), the hydraulic conductivity is approximately 288/10 = 29 ft/day or 2×10^{-2} ft/min. These values could be overestimated due to the reported ability of enhanced vacuum extraction to increase recovery rates at the elevated vacuums at which they operate.

3.4.2 Vapor Extraction Testing

The vacuum readings recorded in PZ-1, PZ-2, MW-6 and MW-9 were plotted against the distance from the extraction well, MW-11. The results are presented on Table 4 and indicate that a significant vacuum (> 1.0 IWG) was realized at 100 feet from the extraction well under the operational conditions of this test (approximately 11 IHG and 50 CFM).

3.5 Ground Water Quality Distribution

On December 23, 1996, water samples were collected from wells MW-5 through MW-10, MW-12 through MW-16, MW-18 and MW-20, 21 and 22, and were analyzed for BTEX, MTBE, Naphthalene, and Polynuclear Aromatic Hydrocarbons (PAH). Additionally, monitoring well MW - 12 was analyzed for Biological Oxygen Demand and pH.

Wells MW-11, MW-17 and MW-19 were analyzed for the full range of Appendix 9 compounds except for MW-11. The volatile analysis for MW-11 was not completed as the bottles were broken in shipping. The results are summarized on Tables 5 and 6 and the laboratory reports are contained in Appendix A.

Figure 6.0 provides a depiction of the separate phase hydrocarbon plume (free product) distribution based on the data available to date. Figures 6.1 and 6.2 provide benzene and BTEX contours along with the SPH (free product) distribution. SPH was detected in wells MW-5, MW-11, MW-14 and PZ-1 and PZ-2 as shown on the figures and Table 3. There was no SPH detected in MW-5, 11 or 14 on 12/23/96 when sampling occurred.

SECTION 4.0

CONCLUSIONS AND RECOMMENDATIONS

There appears to be two separate sources associated with the western end of the Amerada Hess South Terminal. First, is the SPH and associated dissolved plume apparently originating from the former loading racks. The second apparent release is from the railroad spur area. The concentrations of xylenes are disproportionally high in this area.

Currently, a plan to abate the identified free product is being formulated. A plan for free product recovery and further assessment will be prepared and submitted to DHEC by April 18, 1997.

FIGURES

FIGURE 1.0	LOCATION MAP - USGS QUADRANGLE
FIGURE 2.0	SITE PLAN - JANUARY 1997
FIGURE 2.1	SITE PLAN - DECEMBER 1996
FIGURE 2.2	VICINITY MAP - NOVEMBER 1996
FIGURE 3.0	SOIL QUALITY DISTRIBUTION - JANUARY 1997
FIGURE 3.1	TOTAL BTEX SOIL CONTOUR MAP
FIGURE 4.0	LINE OF GEOLOGIC CROSS SECTION - JANUARY 1997
FIGURE 4.1	GEOLOGIC CROSS SECTION - JANUARY 1997
FIGURE 5.0	GROUND WATER FLOW - JANUARY 1997
FIGURE 5.1	VICINITY GROUND WATER FLOW - JANUARY 1997
FIGURE 6.0	GROUND WATER QUALITY DISTRIBUTION - JANUARY 1997
FIGURE 6.1	GROUND WATER QUALITY DISTRIBUTION WITH REGION CONTOURS - JANUARY 1997
FIGURE 6.2	GROUND WATER QUALITY DISTRIBUTION WITH BTEX CONTOURS - JANUARY 1997

PAGE	DESCRIPTION	DRAWN BY	DATE
COVER	COVER AND INDEX	CHRIS PINELLI	01/29/97
1.0	LOCATION MAP: USGS QUADRANGLE	CHRIS PINELLI	01/29/97
2.0	SITE PLAN JANUARY 1997	CHRIS PINELLI	01/29/97
2.1	VICINITY MAP - JANUARY 1997	CHRIS PINELLI	01/29/97
2.2	VICINITY MAP- NOVEMBER 1996	CHRIS PINELLI	01/29/97
2.3	SITE PLAN - NOVEMBER 1996	CHRIS PINELLI	01/29/97
3.0	SOIL QUALITY DISTRIBUTION- JAN 1997	CHRIS PINELLI	01/29/97
3.1	SOIL QUALITY DIST (BTEX) -JAN 1997	CHRIS PINELLI	01/29/97
4.0	LINES OF CROSS SECTION - JAN 1997	CHRIS PINELLI	01/29/97
4.1	GEOLOGIC CROSS SECTION - JAN 1997	CHRIS PINELLI	01/29/97
5.0	GRD WATER FLOW/VICINITY - JAN 1997	CHRIS PINELLI	01/29/97
5.1	GROUND WATER FLOW - JAN 1997	CHRIS PINELLI	01/29/97
6.0	GROUND WATER QUAL (PROD)- JAN 1997	CHRIS PINELLI	01/29/97
6.1	GROUND WATER QUAL (BENZ)- JAN 1997	CHRIS PINELLI	01/29/97
6.2	GROUND WATER QUAL (BTEX)- JAN 1997	CHRIS PINELLI	01/29/97

LEGEND

MW-1	MONITORING WELL
CW-1	COMPLIANCE WELL
DW-1	DEEP MONITORING WELL
RW-1	RECOVERY WELL
PZ-1	PIEZOMETER
MW-1V	VAPOR EXTRACTION WELL
MW-1P	PROPOSED WELL
	GROUND WATER FLOW DIRECTION
90.50	GROUND WATER ELEVATION
90.50	BENZENE (ug/l)
90.50	BTEX (ug/l)
90.50	MTBE (ug/l)
90.50	NAPHTHALENE (ug/l)
	FREE PRODUCT PLUME

PROPERTY LINE
UTILITIES: BELOW GRADE
UTILITIES: ABOVE GRADE
FENCE

AMERADA HESS CORPORATION

HESS

TERMINAL AT CHARLESTON, SC

PREPARED FOR:

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

130 CENTRUM DR, SUITE 3B IRMO, SC 29063
PHONE: 803 749 4080 FAX 803 749 9911

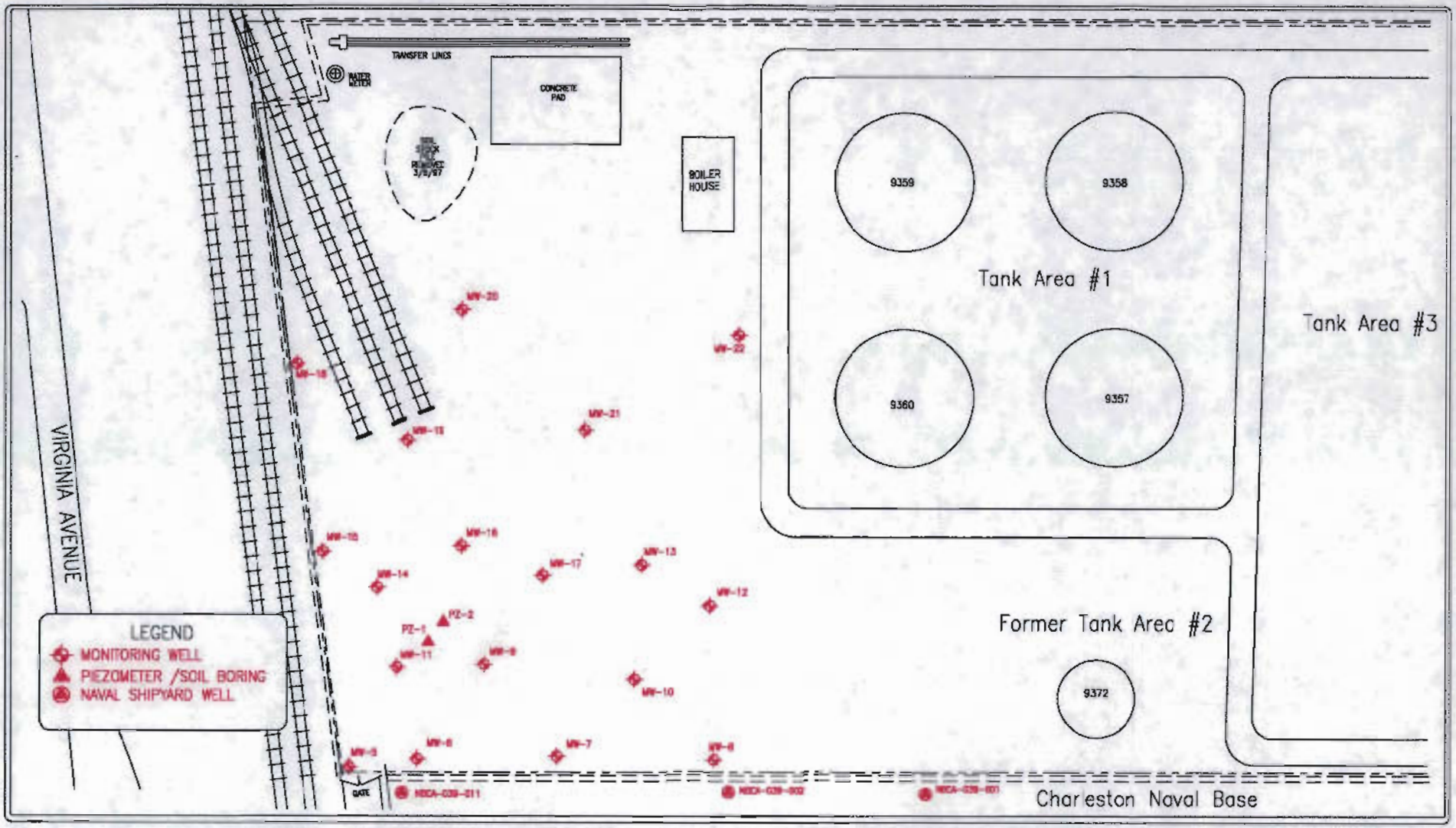
PREPARED BY:

H2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

SITE
Amerada Hess Corporation Charleston South Terminal
4650 Virginia Avenue
North Charleston, South Carolina

TITLE
SITE LOCATION MAP

FIG
1



H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
50 0 50 100

PREPARED FOR:
AMERADA HESS CORP.
CHARLESTON, SOUTH CAROLINA

SITE ADDRESS:
HESS SOUTH TERMINAL
4650 VIRGINIA AVENUE
CHARLESTON, SOUTH CAROLINA

NORTH

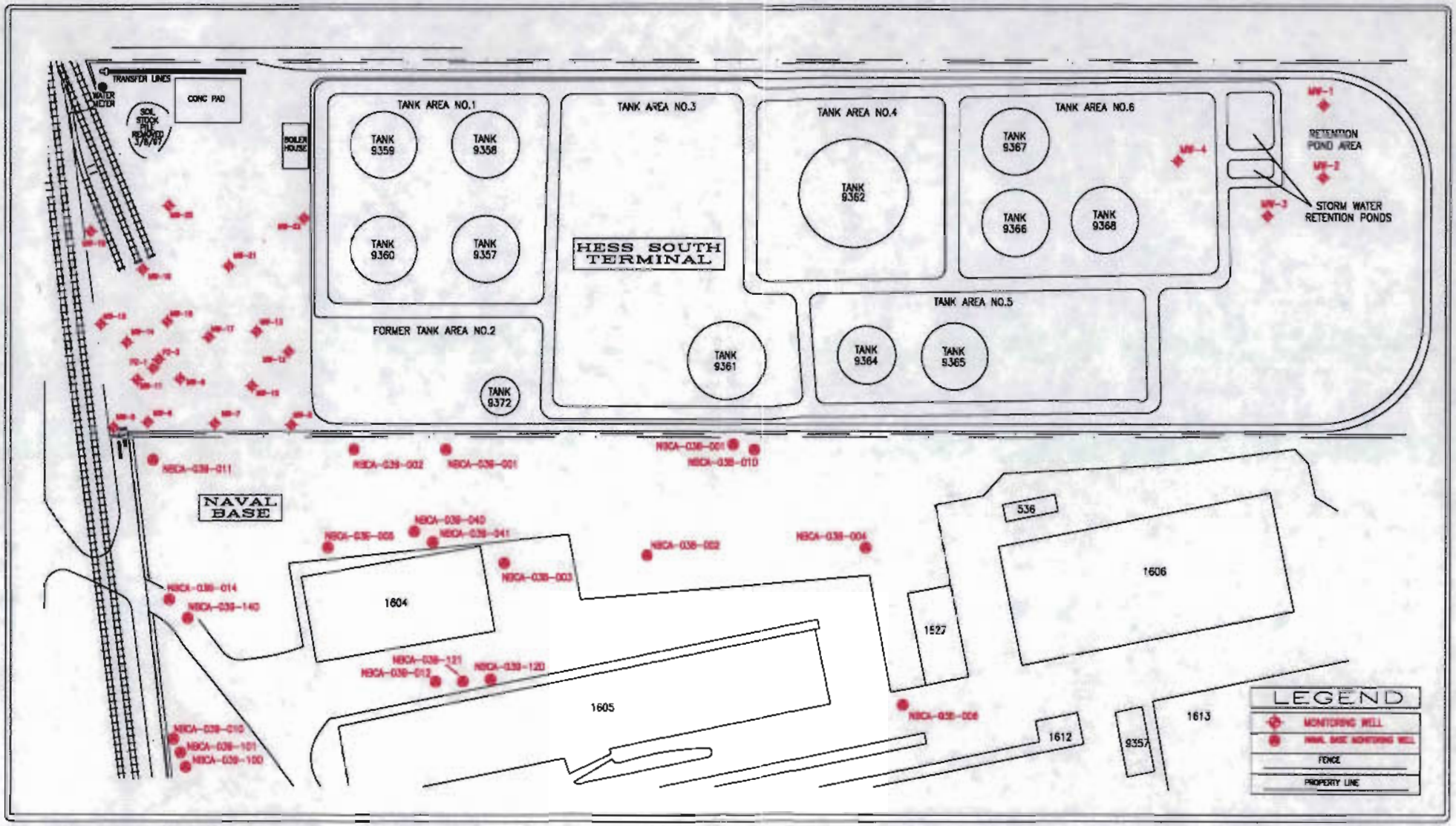
DRAWN BY: CHRIS PINELLI

DATE DRAWN: 01/29/97

JOB NUMBER: 1715.4066

FIGURE NUMBER: 2.0

FIGURE TITLE: SITE PLAN — JANUARY 1997



H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
100 0 50 100 200

PREPARED FOR:
AMERADA HESS CORP
CHARLESTON, SC

SITE ADDRESS:
4650 VIRGINIA AVENUE
CHARLESTON, SC

NORTH

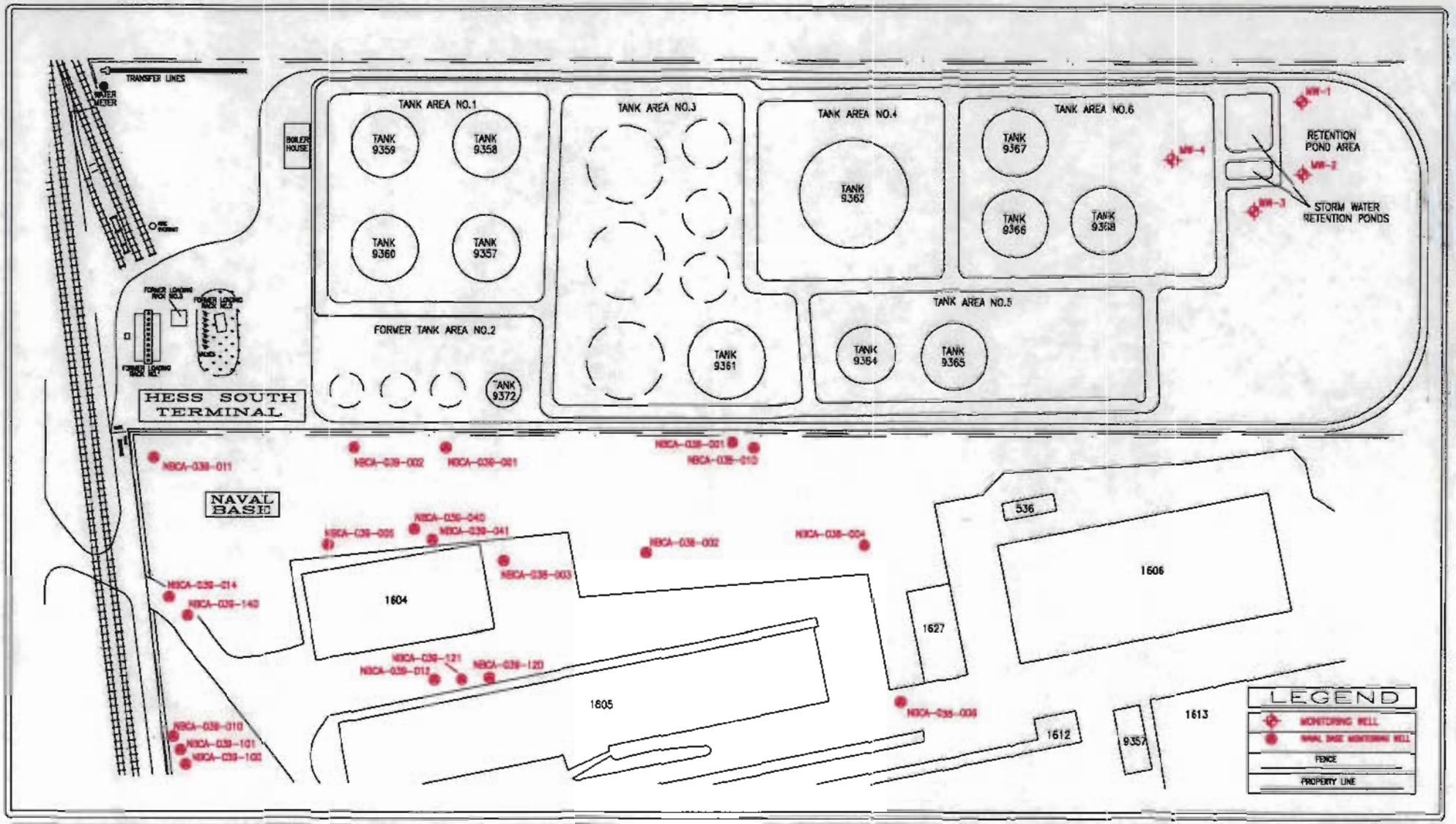
DRAWN BY: CHRIS PINELLI

DATE DRAWN: 01/29/97

JOB NUMBER: 1715.4066

FIGURE NUMBER: 2.1

FIGURE TITLE:
VICINITY MAP — JANUARY 1997



H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
100 0 50 100 200

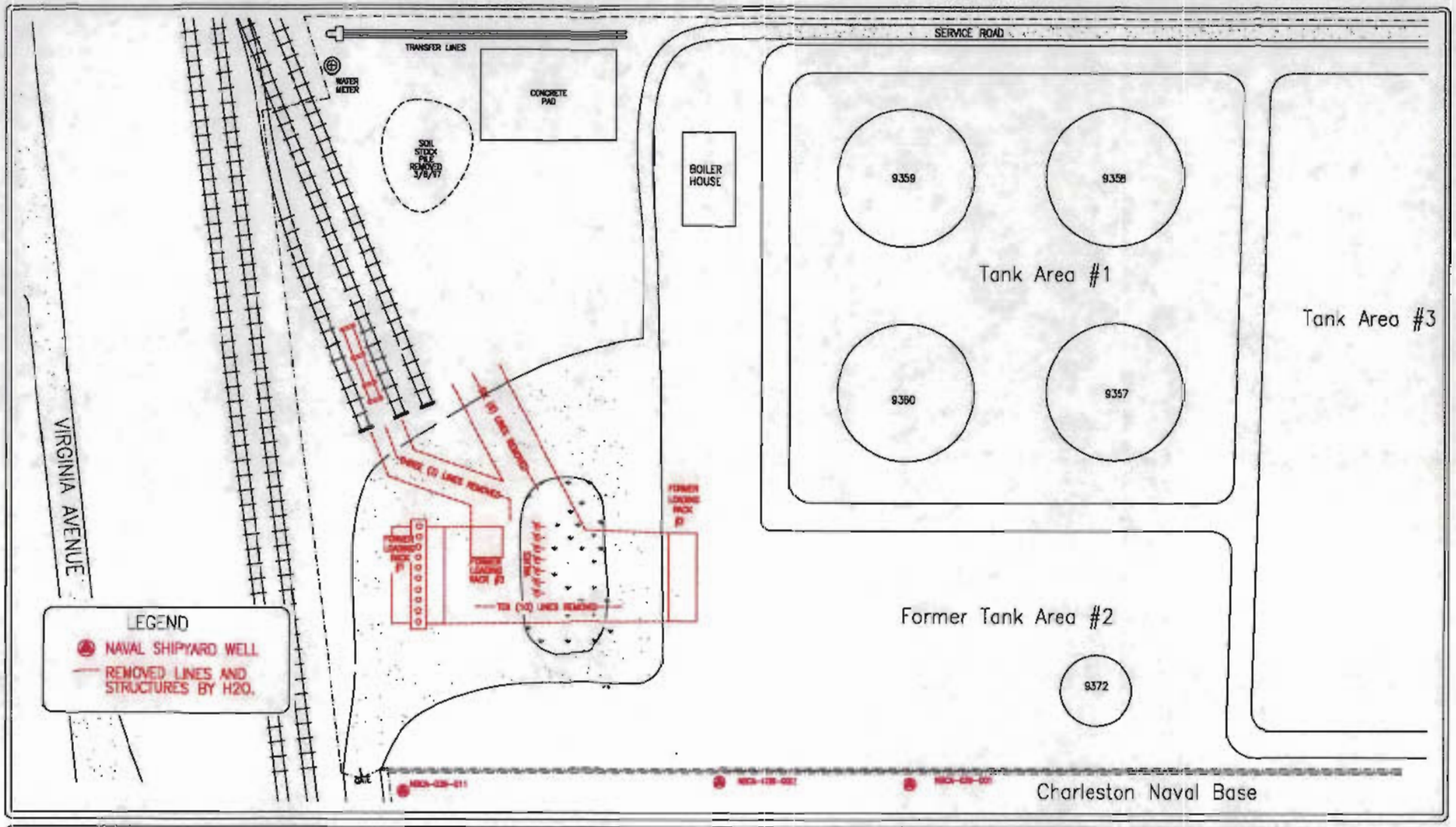
PREPARED FOR:
AMERADA HESS CORP
CHARLESTON, SC

SITE ADDRESS:
HESS SOUTH TERMINAL
4650 VIRGINIA AVENUE
CHARLESTON, SC

NORTH

DRAWN BY: CHRIS PINELLI
DATE DRAWN: 01/29/97
JOB NUMBER: 1715.4066
FIGURE NUMBER: 2.2

FIGURE TITLE:
VICINITY MAP — NOVEMBER 1996



H2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
50 0 50 100

PREPARED FOR: AMERADA HESS CORP. CHARLESTON, SOUTH CAROLINA

SITE ADDRESS: 4650 VIRGINIA AVENUE CHARLESTON, SOUTH CAROLINA

NORTH

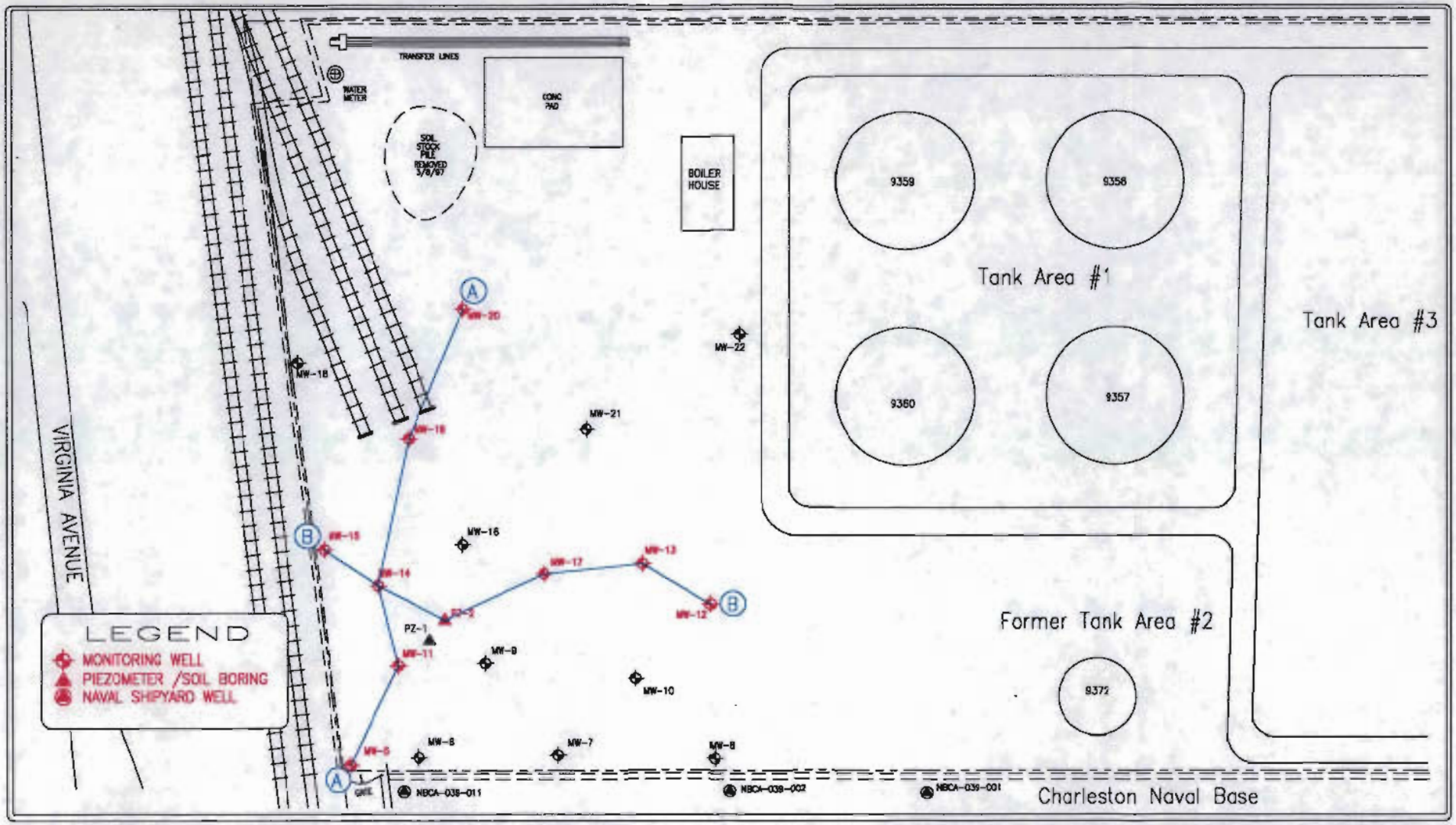
DRAWN BY: CHRIS PINELLI

DATE DRAWN: 01/29/97

JOB NUMBER: 1715.4066

FIGURE NUMBER: 2.3

FIGURE TITLE: SITE PLAN — NOVEMBER 1996



H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
50 0 50 100

PREPARED FOR:
AMERADA HESS CORP.
CHARLESTON, SOUTH CAROLINA

SITE ADDRESS:
HESS SOUTH TERMINAL
4650 VIRGINIA AVENUE
CHARLESTON, SOUTH CAROLINA

NORTH

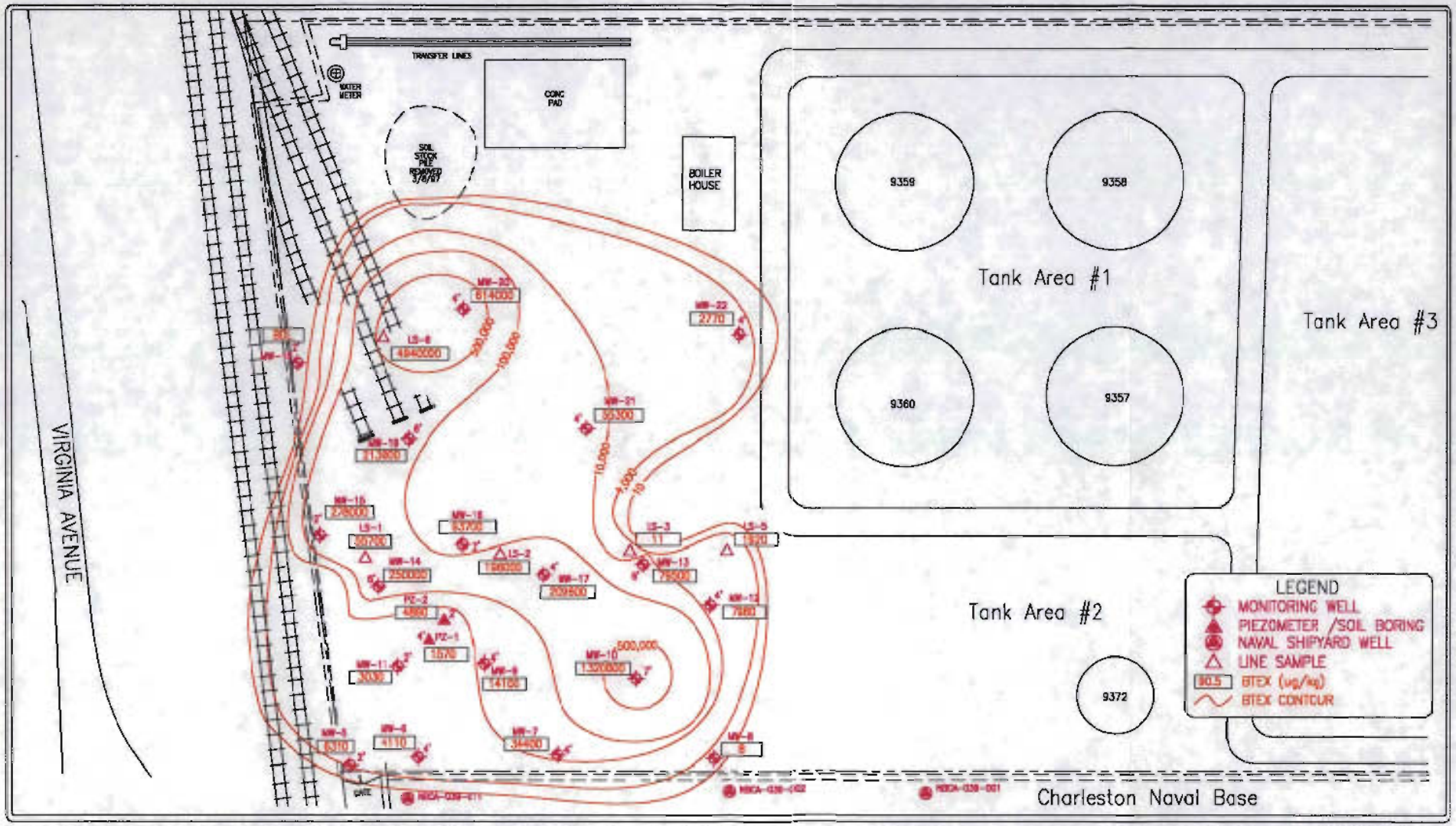
DRAWN BY: CHRIS PINELLI

DATE DRAWN: 01/29/97

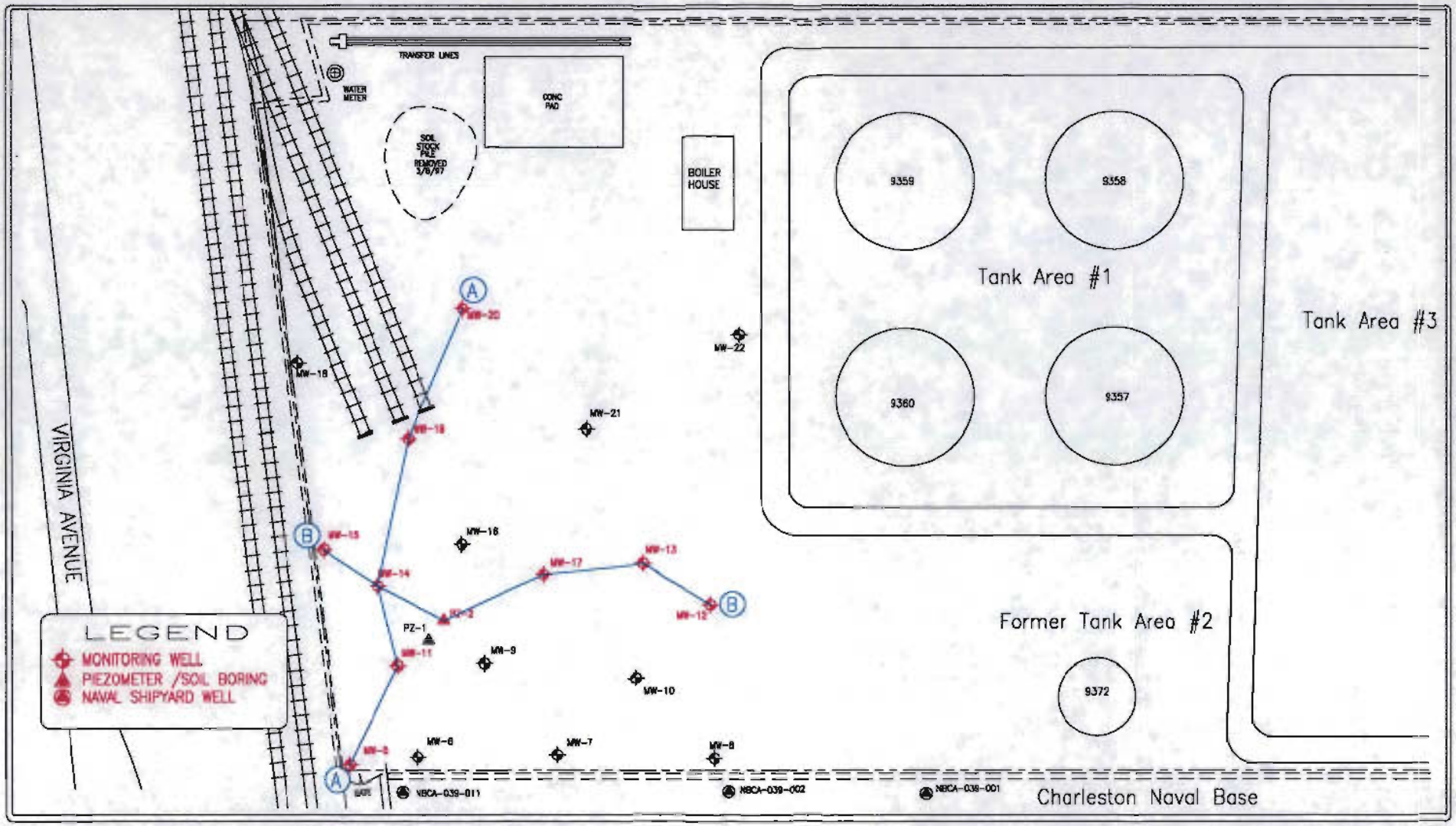
JOB NUMBER: 1715.4066

FIGURE NUMBER: 3.0

FIGURE TITLE:
LINES OF CROSS SECTION — JANUARY 1997



H_2O ENVIRONMENTAL, INC. SCIENTISTS & ENGINEERS	GRAPHIC SCALE IN FEET (50 0 50 100)	PREPARED FOR: AMERADA HESS CORP. CHARLESTON, SOUTH CAROLINA	SITE ADDRESS: 4650 VIRGINIA AVENUE CHARLESTON, SOUTH CAROLINA	NORTH	DRAWN BY: db / DATE DRAWN: 01/29/97
FIGURE TITLE: SOIL QUALITY DISTRIBUTION W/BTEX CONTOURS — JANUARY 1997					JOB NUMBER: 1715.4066 / FIGURE NUMBER: 3.1



H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
50 0 50 100

PREPARED FOR:
AMERADA HESS CORP.
CHARLESTON, SOUTH CAROLINA

SITE ADDRESS:
HESS SOUTH TERMINAL
4650 VIRGINIA AVENUE
CHARLESTON, SOUTH CAROLINA

NORTH

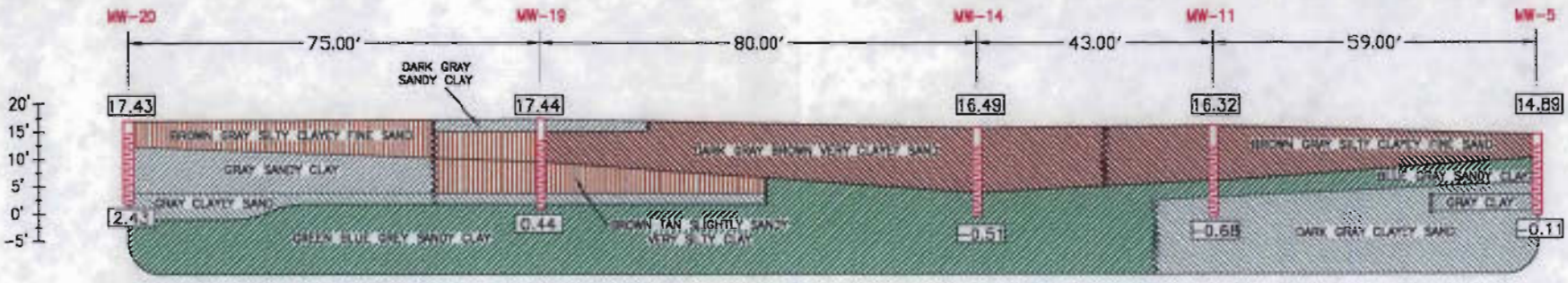
DRAWN BY: CHRIS PINELLI

DATE DRAWN: 01/29/97

JOB NUMBER: 1715.4066

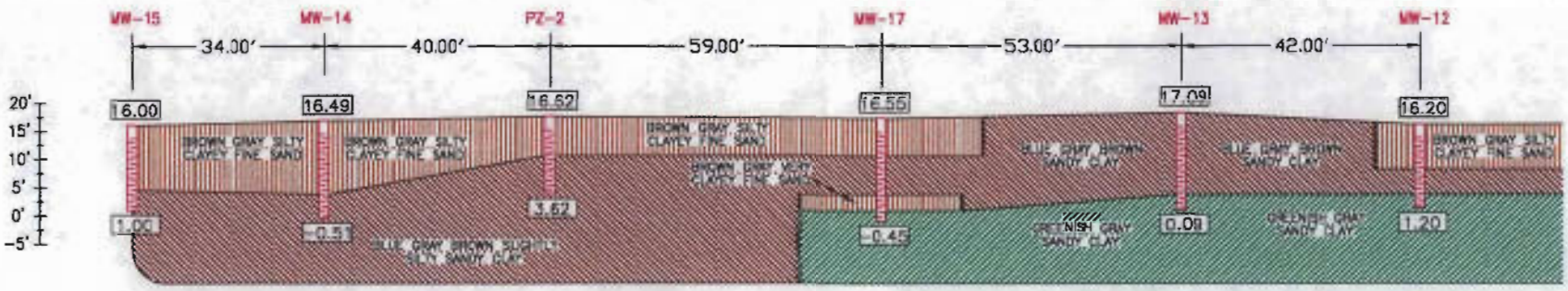
FIGURE NUMBER: 4.0

FIGURE TITLE: LINES OF CROSS SECTION – JANUARY 1997



A 4.0 GEOLOGICAL CROSS SECTION

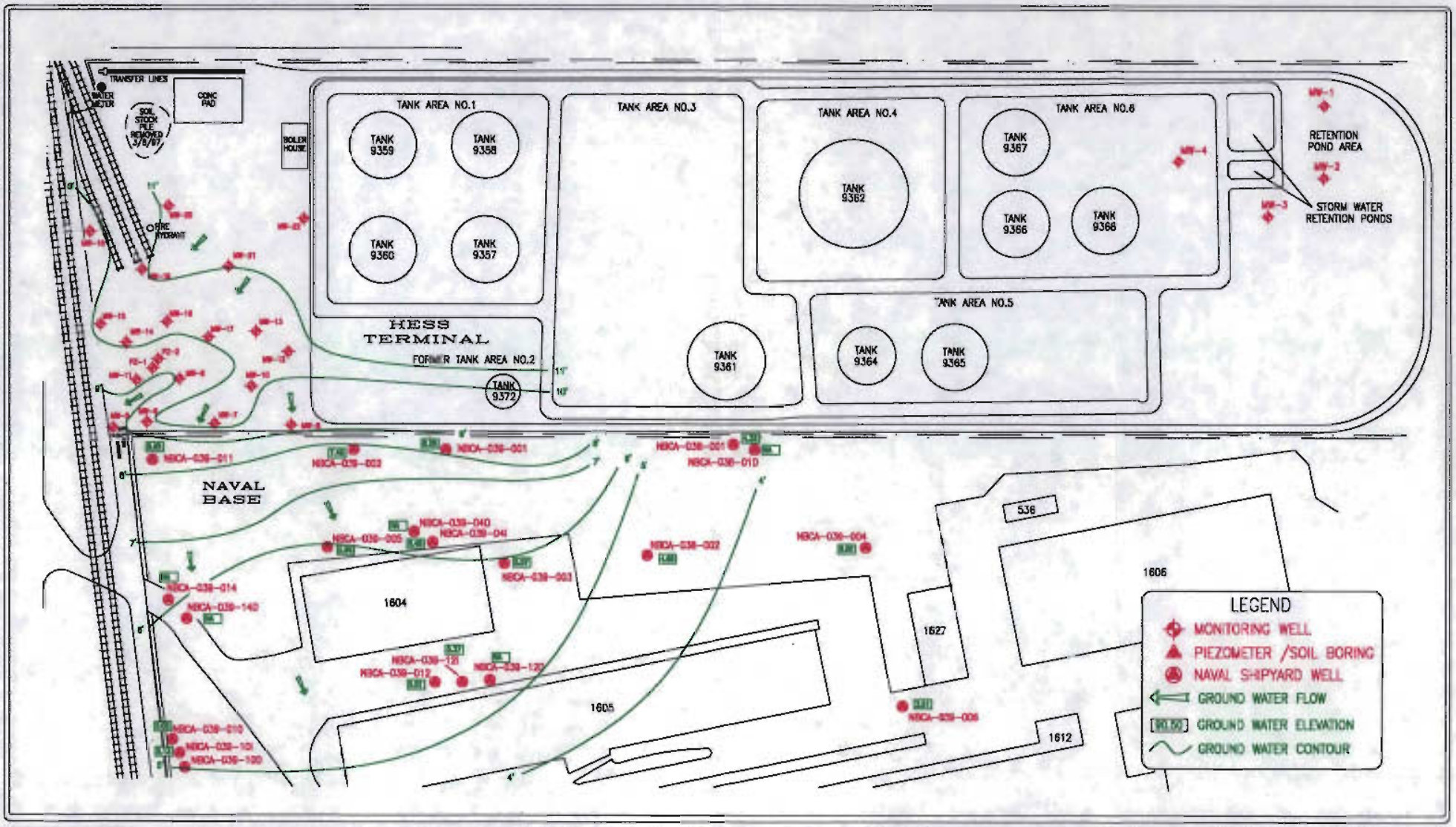
SCALE: 1"=20'-0"



B 4.0 GEOLOGICAL CROSS SECTION

SCALE: 1"=20'-0"

H_2 H_2O ENVIRONMENTAL, INC. SCIENTISTS & ENGINEERS	GRAPHIC SCALE IN FEET 20 0 20 40	PREPARED FOR: AMERADA HESS CORP. CHARLESTON, SOUTH CAROLINA	SITE ADDRESS: 4650 VIRGINIA AVENUE CHARLESTON, SOUTH CAROLINA	NORTH	DRAWN BY: CRIS PINELLI	DATE DRAWN: 02/11/97
FIGURE TITLE: GEOLOGICAL CROSS SECTION — JANUARY 1997					JOB NUMBER: 1715.4066	FIGURE NUMBER: 4.1



H2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET

PREPARED FOR: AMERADA HESS CORP, CHARLESTON, SC

SITE ADDRESS: HESS SOUTH TERMINAL, 4650 VIRGINIA AVENUE, CHARLESTON, SC

NORTH

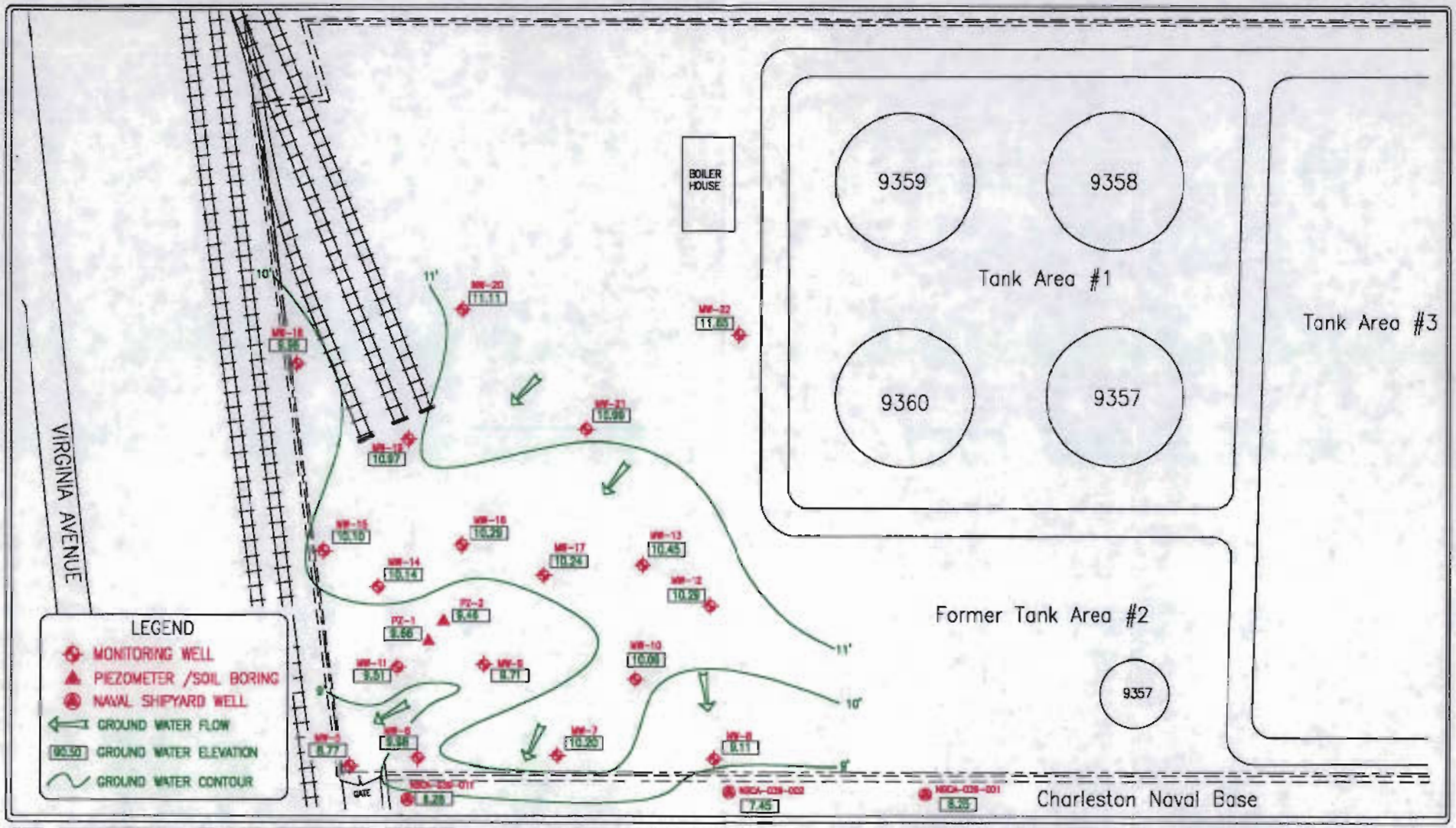
DRAWN BY: CHRIS PINELLI

DATE DRAWN: 01/29/97

JOB NUMBER: 1715.4066

FIGURE NUMBER: 5.0

FIGURE TITLE: VICINITY GROUND WATER FLOW — JANUARY 1997



H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
50 0 50 100

PREPARED FOR:
AMERADA HESS CORP.
CHARLESTON, SOUTH CAROLINA

SITE ADDRESS:
HESS SOUTH TERMINAL
4650 VIRGINIA AVENUE
CHARLESTON, SOUTH CAROLINA

NORTH

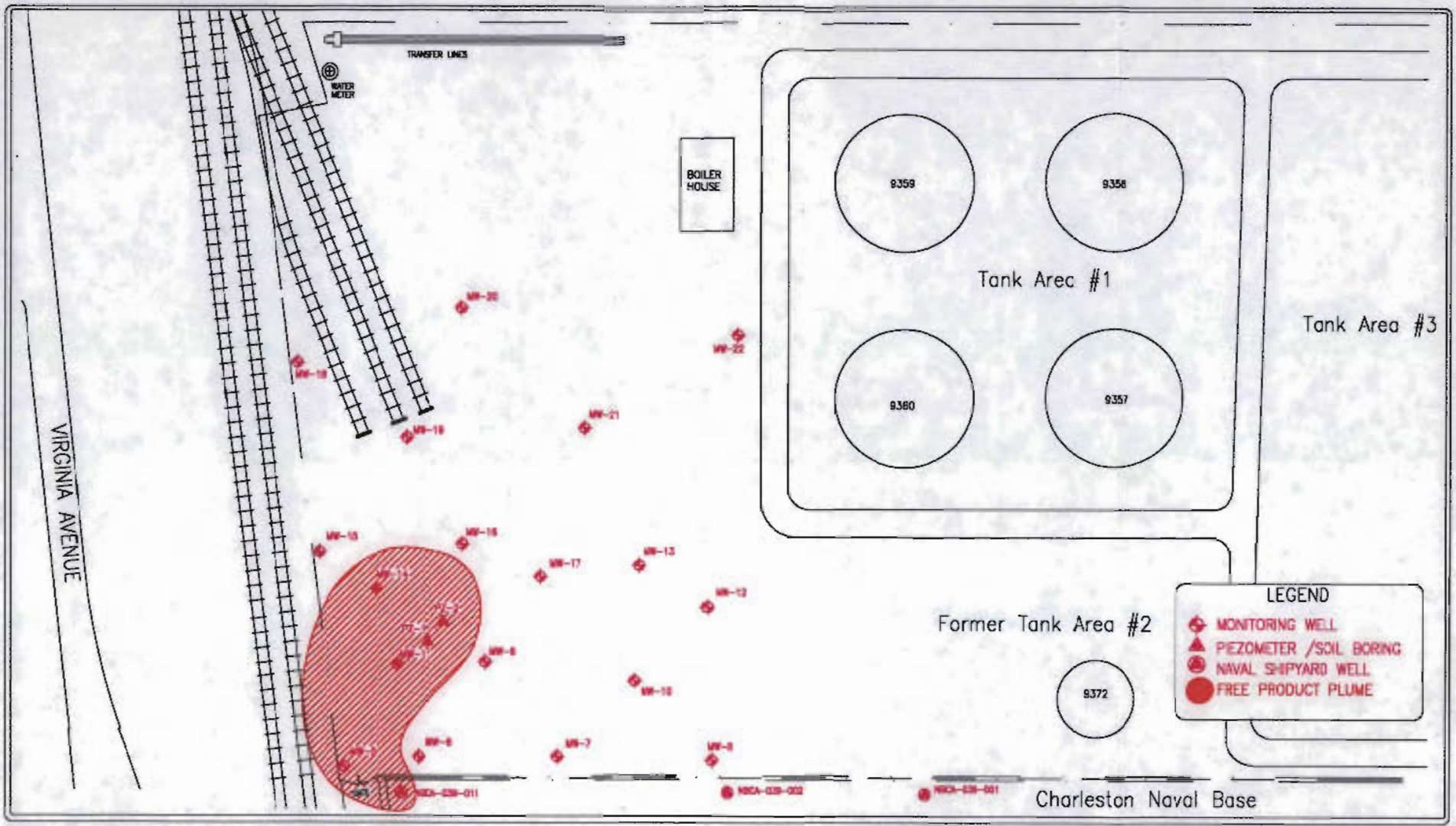
DRAWN BY: CHRIS PINELLI

DATE DRAWN: 01/29/97

JOB NUMBER: 1715.4066

FIGURE NUMBER: 5.1

FIGURE TITLE: GROUND WATER FLOW — JANUARY 1997



H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
50 0 50 100

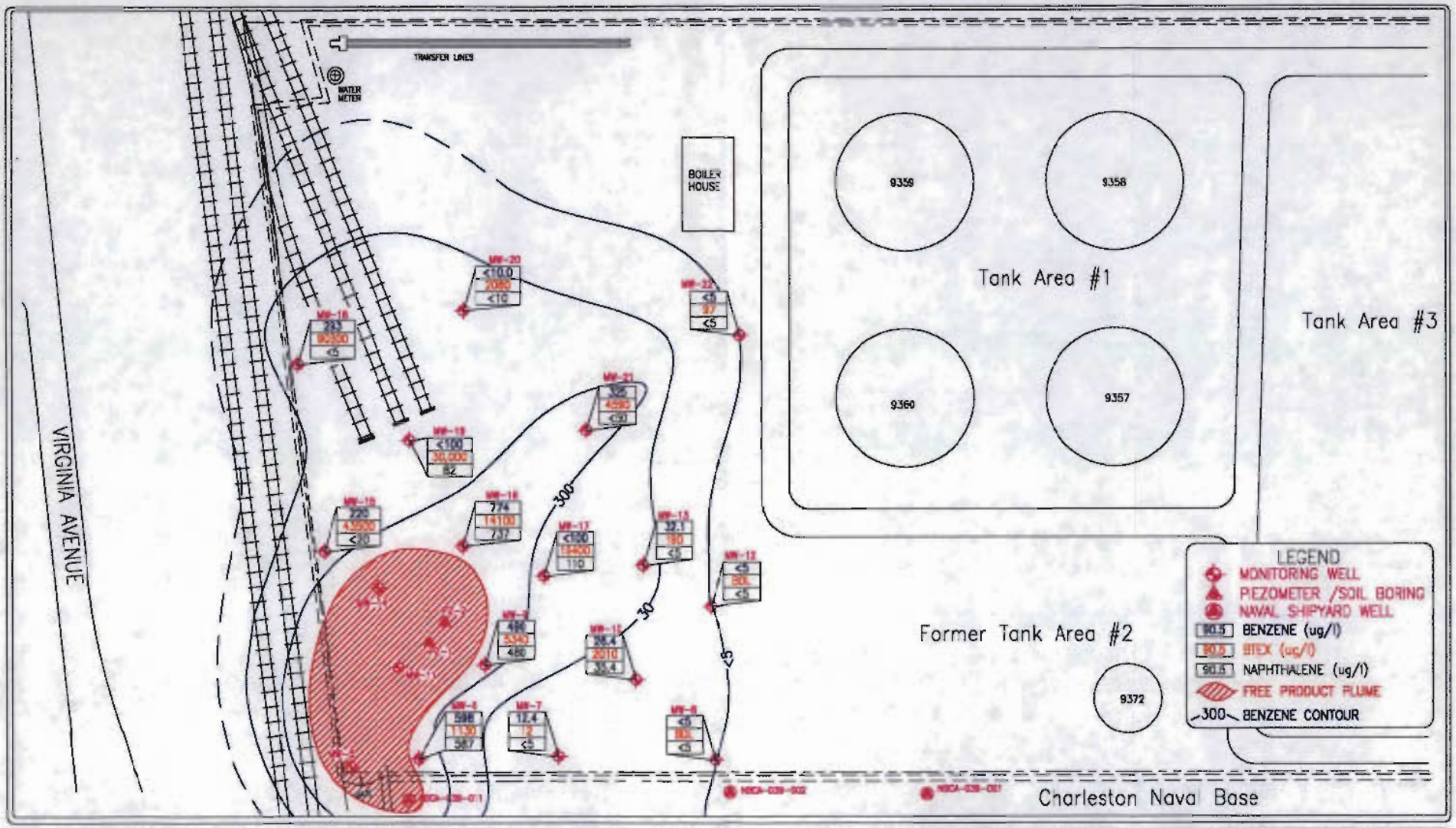
PREPARED FOR:
AMERADA HESS CORP.
CHARLESTON, SOUTH CAROLINA

SITE ADDRESS:
HESS SOUTH TERMINAL
4650 VIRGINIA AVENUE
CHARLESTON, SOUTH CAROLINA

NORTH

DRAWN BY: CHRIS PINELLI
DATE DRAWN: 01/29/97
JOB NUMBER: 1715.4066
FIGURE NUMBER: 6.0

FIGURE TITLE: GROUND WATER QUALITY FREE PRODUCT PLUME — JANUARY 1997



H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
50 0 50 100

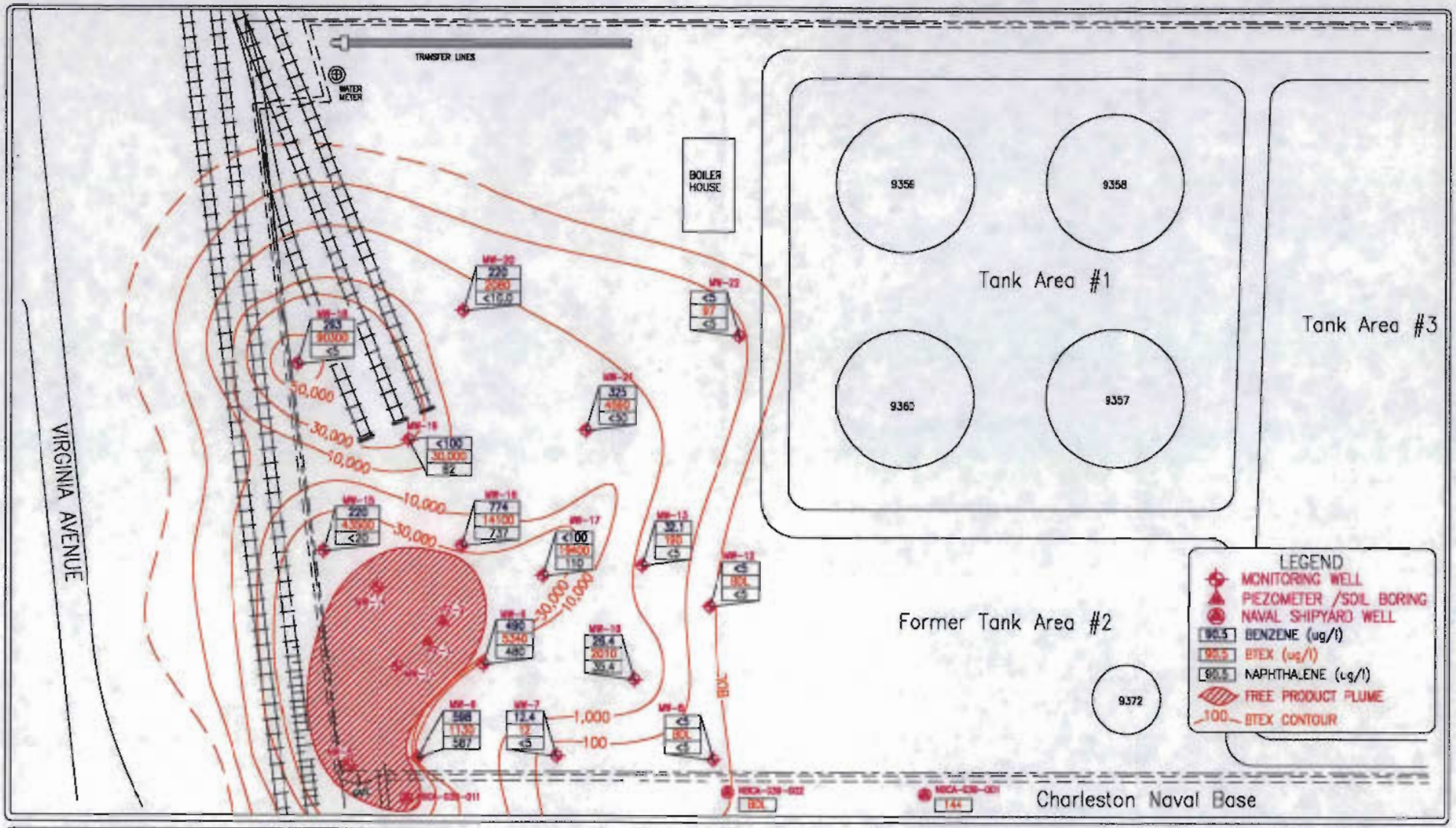
PREPARED FOR:
AMERADA HESS CORP.
CHARLESTON, SOUTH CAROLINA

SITE ADDRESS:
HESS SOUTH TERMINAL
4650 VIRGINIA AVENUE
CHARLESTON, SOUTH CAROLINA

NORTH

DRAWN BY: CHRIS PINELLI
DATE DRAWN: 01/29/97
JOB NUMBER: 1715.4065
FIGURE NUMBER: 6.1

FIGURE TITLE: GROUND WATER QUALITY WITH BENZENE CONTOURS — JANUARY 1997



H2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

GRAPHIC SCALE IN FEET
50 0 50 100

PREPARED FOR: AMERADA HESS CORP. CHARLESTON, SOUTH CAROLINA

SITE ADDRESS: HESS SOUTH TERMINAL 4650 VIRGINIA AVENUE CHARLESTON, SOUTH CAROLINA

NORTH

DRAWN BY: CHRIS PINELLI

DATE DRAWN: 01/29/97

JOB NUMBER: 1715.4066

FIGURE NUMBER: 6.2

FIGURE TITLE: GROUND WATER QUALITY WITH BTEX CONTOURS — JANUARY 1997

TABLES

TABLE 1	SUMMARY OF SOIL FIELD SCREENING RESULTS
TABLE 2	SUMMARY OF ANALYTICAL RESULTS
TABLE 3	SUMMARY OF LIQUID LEVEL MEASUREMENTS AND AND GROUND WATER ELEVATIONS
TABLE 3a	SUMMARY OF NAVY WELL LIQUID LEVEL MEASUREMENTS AND GROUND WATER ELEVATIONS
TABLE 4	SUMMARY OF VAPOR EXTRACTION TESTING
TABLE 5	SUMMARY OF GROUND WATER QUALITY
TABLE 6	SUMMARY OF APPENDIX 9 ANALYSIS

TABLE 1

SUMMARY OF SOIL FIELD SCREENING RESULTS

Amerada Hess - Charleston South Terminal
4650 Virginia Avenue
North Charleston, South Carolina

Well I.D.	Date	Depth (ft)	PID (PPM)
MW-5	12/19/96	2'	800
		4'	320
		6'	450
		15'	270
MW-6	12/17/96	2.5'	45
		4'	715
		7'	120
		15'	60
MW-7	12/17/96	2'	600
		4'	750
		7'	100
		15'	560
MW-8	12/17/96	2'	30
		4'	45
		7'	35
		17'	45
MW-9	12/19/96	2'	525
		4'	540
		6'	500
		14'	35
		17'	8
MW-10	12/18/96	2'	100
		4'	290
		7'	400
MW-11	12/18/96	2'	500
		4'	480
		7'	300
		17'	53
MW-12	12/18/96	2'	40
		4'	637
		7'	200
		15'	16
MW-13	12/19/96	2'	160
		4'	40
		6'	280
MW-14	12/20/96	2'	185
		4'	240
		6'	540
		17'	30
MW-15	12/17/96	2'	717
		4'	390
		7'	100
		15'	28

TABLE 1 (Cont.)

SUMMARY OF SOIL FIELD SCREENING RESULTS

Amerada Hess - Charleston South Terminal
4650 Virginia Avenue
North Charleston, South Carolina

Well I.D.	Date	Depth (ft)	PID (PPM)
MW-16	12/20/96	2'	730
		4'	620
		6'	150
		17'	30
MW-17	12/20/96	2'	1700
		4'	2100
		6'	1400
		17'	18
MW-18	12/17/96	2'	2600
		4'	170
		9'	200
		17'	130
MW-19	12/19/96	2'	525
		4'	380
		6'	700
		10'	680
		17'	18
MW-20	12/18/96	2'	586
		4'	1600
		7'	436
		15'	241
MW-21	12/20/96	2'	900
		4'	1100
		6'	200
		17'	40
MW-22	12/18/96	2'	160
		4'	318
		7'	43
		15'	36
PZ-1	12/21/96	2'	470
		4'	620
		7'	550
		13'	540
PZ-2	12/21/96	2'	750
		4'	720
		7'	220
		13'	210

TABLE 1 (Cont.)

SUMMARY OF SOIL FIELD SCREENING RESULTS

Amerada Hess - Charleston South Terminal
4650 Rivers Avenue
North Charleston, South Carolina

Well I.D.	Date	Depth (ft)	PID (PPM)
LS-1	12/13/96	1.5'	490
LS-2	12/13/96	1.5'	780
LS-3	12/13/96	1.5'	40
LS-4	12/13/96	1.5'	140
LS-5	12/13/96	1.5'	810
LS-6	12/13/96	0.5'	670
LS-7	12/13/96	2'	220
LS-8	12/13/96	3'	>2000

Notes: PID - Photoionization Detector

TABLE 2

SUMMARY OF SOIL ANALYTICAL RESULTS

Amerada Hess - Charleston South Termnal
4650 Virginia Avenue
North Charleston, South Carolina

Well I.D.	Well Depth	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Naph-thalene	PAH	TPH (G)	TPH (D)
MW-5	2'	12/26/96	403	414	2,930	2,563	6,310	<250	NS	NS	2,090	8,750
MW-6	4'	12/17/96	<500	<500	<500	4,110	4,110	-	47,400	*	<500	6,870
MW-7	4'	12/17/96	<500	<500	<500	34,400	34,400	-	43,800	*	<500	9,010
MW-8	4'	12/17/96	<5.0	<5.0	<5.0	8	8	-	<5.0	<660	<2.0	20
MW-9	4'	12/26/96	<500	854	1,910	11,370	14,100	<500	NS	NS	296	1,930
MW-10	7'	12/26/96	<12,500	<12,500	231,000	1,089,000	1,320,000	<12,500	NS	NS	3,180	5,470
MW-11	2'	12/26/96	<250	<250	446	2,582	3,030	325	NS	NS	237	1,340
MW-13	6'	12/26/96	<500	519	24,100	54,920	79,500	<500	NS	NS	914	3,820
MW-12	4'	12/17/96	<500	<500	<500	7,980	7,980	-	4,300	<660	<10.0	718
MW-14	6'	12/26/96	3,060	14,500	24,000	208,900	250,000	<2,500	NS	NS	5,040	7,770
MW-15	2'	12/17/96	<500	<500	<500	278,000	278,000	-	17,800	*	<250	7,410
MW-16	2'	12/26/96	910	1,370	25,700	65,740	93,700	<500	NS	NS	2,450	5,750
MW-17	4'	12/26/96	<13,000	<13,000	35,200	174,400	209,600	<13,000	NS	NS	3,730	1,650
MW-18	2'	12/17/96	<500	<500	<500	<500	BDL	-	3,150	<660	<2.0	721
MW-19	6'	12/26/96	<25,000	<25,000	<25,000	213,000	213,000	<25,000	NS	NS	4,750	1,910
MW-20	4'	12/17/96	<500	<500	<500	614,000	614,000	-	28,700	*	<1,000	5,970
MW-21	4'	12/26/96	992	729	33,600	19,950	55,300	771	NS	NS	4,960	11,100
MW-22	4'	12/17/96	<500	<500	<500	2770	2770	-	10,500	<660	<100	1,090
PZ-1	4'	12/26/96	<130	<130	191	1369	1570	<130	NS	NS	114	1,720
PZ-2	2'	12/26/96	<500	<500	808	4,084	4,890	<500	NS	NS	223	1,080
LS-1	-	12/14/96	91.8	786	9,190	45,600	55,700	<100	68,100	*	<500	11,100
LS-2	-	12/14/96	<100	470	12,200	183,000	196,000	<100	131,000	<660	<500	<10.0
LS-3	-	12/14/96	<5.0	<5.0	<5.0	10.7	11	<5.0	<5.0	<660	<2.0	60
LS-5	-	12/14/96	<5.0	<5.0	61	1860	1920	<5.0	219	<660	<10.0	<10.0
LS-8	-	12/16/96	<10,000	47,700	39,700	4,850,000	4,940,000	<10,000	6,910	<600	17,400	9,320
SP-1	-	12/23/96	<100	687	539	627,000	628,000	NS	18,000	*	1,653	2,850
SP-2	-	12/23/96	<100	1,030	3,620	637,000	642,000	NS	7,760	<660	1,040	<10.0
SP-3	-	12/23/96	<100	<100	348	67,000	67,300	NS	<100	<660	1,460	<10.0
SP-4	-	12/23/96	<200	<200	572	73,700	74,300	NS	8,400	<660	2,640	<10.0
SP-5	-	12/23/96	<200	468	1,370	46,100	47,900	NS	11,400	<660	1,600	<10.0

)enotes PAH's Detected (See next page for seperate table listing results)

TABLE 2 (Cont.)

SUMMARY OF SOIL ANALYTICAL RESULTS

Amerada Hess - Charleston South Terminal
4650 Virginia Avenue
North Charleston, South Carolina

Well I.D.	Well Depth	Date Sampled	Lead	TOC
MW-6	4'	12/17/96	4.7	6100
MW-8	17'	12/17/96	-	3660
	2'	12/17/96	-	1250
MW-17	4'	12/26/96	-	2220
MW-19	6'	12/26/96	-	6290

PAH's DETECTED

Well I.D.	Phenan-threne	Anthra- cene	Fluoran-thene	Fluorene	Pyrene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene
MW-6	2420	-	-	-	-	-	-	-
MW-7	-	2310	-	-	-	-	-	-
MW-15	970	-	-	-	-	-	-	-
MW-20	2090	-	713	863	827	-	-	-
LS-1	4060	-	-	-	-	-	-	-
LS-8	2060	-	-	-	5310	-	-	-
SP-1	-	-	-	-	-	736	1080	1240

Notes:
BTEX = The sum of Benzene, Toluene, Ethylbenzene, and Xylenes
MTBE = Methyl-tert-butyl-ether
TOC = Total Organic Carbon
Concentrations for BTEX, MTBE, and PAH's are in ug/kg
Concentrations for TPH, TOC, and Lead are in mg/kg

TABLE 3

SUMMARY OF LIQUID LEVEL MEASUREMENTS AND GROUND WATER ELEVATIONS

Amerada Hess - Charleston South Terminal
4650 Virginia Avenue
North Charleston, South Carolina

Well I.D.	Date Measured	Top of Casing (Ft)	Depth to Product (Ft)	Depth to Water (Ft)	Product Thickness	Corr. Ground Water Elevation (Ft)
MW-5	12/21/96	14.89		6.21		8.68
	1/22/97		6.21	6.10	0.11	8.88
MW-6	12/21/96	16.88		6.87		10.01
	1/22/97			6.90		9.98
MW-7	12/21/96	16.22		6.79		9.43
	1/17/97			6.02		10.20
MW-8	12/21/96	16.51		7.60		8.91
	1/22/97			7.40		9.11
MW-9	12/21/96	16.40		6.76		9.64
	1/22/97			6.69		9.71
MW-10	12/21/96	16.97		6.98		9.99
	1/22/97			6.91		10.06
MW-11	12/21/96	16.32	8.50	7.65	0.85	9.35
	1/22/97		9.04	6.25	2.79	12.30
MW-12	12/21/96	16.20		5.95		10.25
	1/22/97			5.91		10.29
MW-13	12/21/96	17.09		6.70		10.39
	1/22/97			6.64		10.45
MW-14	12/21/96	16.49		7.40		9.09
	1/22/97		6.58	6.29	0.29	10.43
MW-15	12/21/96	16.00		5.85		10.15
	1/22/97			5.90		10.10
MW-16	12/21/96	16.47		6.15		10.32
	1/22/97			6.18		10.29
MW-17	12/21/96	16.55		6.38		10.17
	1/22/97			6.31		10.24
MW-18	12/21/96	17.50		7.40		10.10
	1/22/97			7.54		9.96
MW-19	1/22/97	17.44		6.47		10.97
MW-20	12/21/96	17.43		6.35		11.08
	1/22/97			6.32		11.11
MW-21	12/21/96	16.74		5.83		10.91
	1/22/97			5.75		10.99
MW-22	12/21/96	17.24		5.65		11.59
	1/22/97			5.59		11.65
PZ-1	12/21/96	16.23	7.55	6.35	1.20	10.84
	1/22/97		8.26	6.15	2.11	11.77
PZ-2	12/21/96	16.62	7.25	6.80	0.45	10.18
	1/22/97		7.94	6.60	1.34	11.09

TABLE 3a

SUMMARY OF NAVY WELL LIQUID LEVEL MEASUREMENTS
AND GROUND WATER ELEVATIONS

Amerada Hess - Charleston South Terminal
4650 Virginia Avenue
North Charleston, South Carolina

Well I.D.	Date Measured	TOC (ft)	Depth to Water	Corrected TOC Elev
NBCA-038	**1/22/97**			
001		7.13	2.80	4.33
01D		7.63	5.84	1.79
002		8.42	3.74	4.68
NBCA-039	**1/22/97**			
001		13.47	5.22	8.25
002		14.35	6.90	7.45
003		8.64	3.07	5.57
004		11.72	5.72	6.00
04D		9.77	7.88	1.89
04I		9.22	2.74	6.48
005		12.67	6.73	5.94
006		8.93	5.42	3.51
010		13.74	8.72	5.02
10D		13.35	10.90	2.45
10I		13.49	8.36	5.13
011		15.20	6.55/6.92	8.65/8.28
012		8.54	3.03	5.51
12D		8.56	6.68	1.88
12I		8.66	3.29	5.37

Notes:

Depth to Water in Well NBCA-39-011 is combination Oil/Water 0.37' thick oil phase

TABLE 4

SUMMARY OF VAPOR EXTRACTION TESTING

Amerada Hess - Charleston South Terminal
4650 Virginia Avenue
North Charleston, South Carolina

		PZ-1	PZ-2	MW-9	MW-5
Minutes from start	*Distance (ft)*	*20.29*	*31.06*	*47.37*	*58.9*
15		3.00	1.00	0.55	0.10
45		10.00	10.00	3.00	2.00
75		11.00	10.00	4.00	2.25
105		11.00	10.00	4.00	3.00
155		11.00	10.00	4.00	3.00
195		12.00	10.00	4.00	3.00
225		12.00	10.00	4.00	3.00

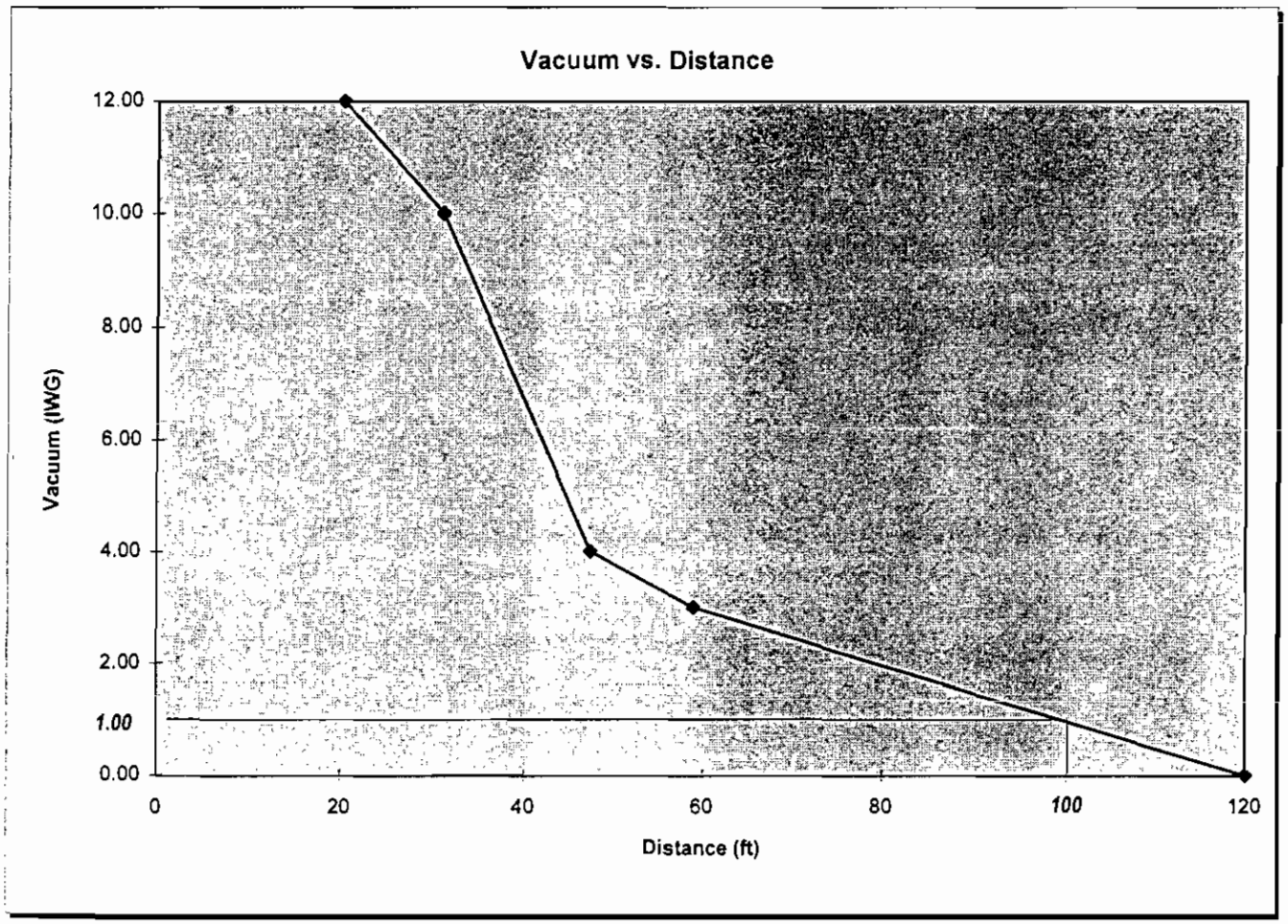


TABLE 5

SUMMARY OF GROUND WATER ANALYTICAL DATA

Amerada Hess - Charleston South Terminal
4650 Virginia Avenue
North Charleston, South Carolina

Well I.D.	Date Sampled	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total BTEX	MTBE	Naphthalene	PAH
MW-5	12/23/96	90.8	<5.0	5.0	17.0	113	<40.0	51.3	<10.0
MW-6	12/23/96	598	5.09	121	409	1,130	<40.0	587	<10.0
MW-7	12/23/96	12.4	<5.0	<5.0	<5.0	12.4	<40.0	<5.0	<10.0
MW-8	12/23/96	<5.0	<5.0	<5.0	<5.0	BDL	<40.0	<5.0	<10.0
MW-9	12/23/96	490	1,030	900	2,920	5,340	<40.0	480	<10.0
MW-10	12/23/96	26.4	9.96	266	1,710	2,010	<40.0	35.4	<10.0
MW-12	12/23/96	<5.0	<5.0	<5.0	<5.0	BDL	76.3	<5.0	<10.0
MW-13	12/23/96	32.1	<5.0	16.5	142	190	<40.0	<5.0	<10.0
MW-14	12/23/96	486	610	408	1,300	2,800	<40.0	<20.0	<10.0
MW-15	12/23/96	220	11,200	368	31,700	43,500	<40.0	<20.0	<10.0
MW-16	12/23/96	774	499	1190	11,600	14,100	<40.0	737	<10.0
MW-18	12/23/96	293	1,190	25.7	88,800	90,300	<40.0	<5.0	<10.0
MW-20	12/23/96	<10.0	<10.0	<10.0	2,080	2,080	<40.0	<10.0	<10.0
MW-21	12/23/96	325	90.0	965	3,210	4,590	<50.0	<50.0	<10.0
MW-22	12/23/96	<5.0	7.33	<5.0	89.4	96.7	<40.0	<5.0	<10.0

Well I.D.	Date Sampled	pH (su)	BOD
MW-12	12/23/96	6.7	.270

Notes:
All concentrations are in ug/l.
Total BTEX is the sum of benzene, ethyl benzene, toluene and xylenes .

TABLE 6

SUMMARY OF APPENDIX 9 GROUD WATER ANALYTICAL DATA

Amerada Hess - Charleston South Terminal
4650 Virginia Avenue
North Charleston, South Carolina

8240	MW-11	MW-17	MW-19	Action Levels
Benzene	NS	BDL	BDL	5
Toluene	NS	BDL	BDL	1,000
Ethyl Benzene	NS	4400	BDL	700
Xylenes	NS	15,000	30,000	10,000
Total BTEX	NS	19,400	30,000	
MTBE	NS			40

8270	MW-11	MW-17	MW-19	Action Levels
Naphthalene	340	110	82	25
2-Methylnaphthalene	300	130	99	-
Phenol	8	BDL	BDL	-
2,4-Dimethylphenol	BDL	65	150	-
2-Methylphenol	BDL	BDL	14	-
Fluorene	6	BDL	BDL	-

3520/8080 (Pesticides)	MW-11	MW-17	MW-19	Action Levels
	ND	ND	ND	-

8150 (Herbicides)	MW-11	MW-17	MW-19	Action Levels
2,4,5-T (Weedone)	0.36	0.13	BDL	-

6010/7060 (Metals)	MW-11	MW-17	MW-19	Action Levels
Arsenic	29	8	21	50
Barrium	36	55	44	1,000
Chromium	14	14	14	50
Lead	6	7	7	50
Zinc	40	51	38	5,000

Benzyl alchol and Dibenzofuran were detected at levels near the detection limits and bis (2-Ethylhexyl) Phthalate was found in the trip blank. These compounds are not considered to be significant (common laboratory contaminants, etc.)

All concentrations are in ug/l
Samples Collected 12/23/96

APPENDIX A

LABORATORY ANALYTICAL REPORTS

HYDROLOGIC, INC.

January 15, 1997

REPORTING:

H 2 O Environmental
130 Centrum
3B
Irmo, SC 29063

INVOICING:

H 2 O Environmental
130 Centrum
3B
Irmo, SC 29063

PROJECT NUMBER: FL9620763B

DATE COMPLETED: January 15, 1997
DATE RECEIVED: December 24, 1996

PROJECT DESCRIPTION: REVISED

1715.4066--15 water and 5 soil samples were received and analyzed for the following tests: 20 8260-BTEX + MTBE + Naphthalene, 20 8270, 5 3550/5030-TPH.

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to contact Jack Hale Jr. at 1-800-728-2251. We appreciate your business and look forward to serving you again soon.

Respectfully,

Benjamin Carl Esterle
Laboratory Director

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763B
HYDROLOGIC SAMPLE NUMBER:	9620778B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-2
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	01/07/97
DATE/TIME ANALYZED:	01/14/97 01/03/97

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		10.0	BDL
Gasoline		**200**	**1040**

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763B
HYDROLOGIC SAMPLE NUMBER:	9620779B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-3
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	01/07/97
DATE/TIME ANALYZED:	01/14/97 01/03/97

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		10.0	BDL
Gasoline		200	1460

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763B
HYDROLOGIC SAMPLE NUMBER:	9620780B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-4
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	01/07/97
DATE/TIME ANALYZED:	01/14/97 01/03/97

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		10.0	BDL
Gasoline		**400**	**2640**

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763B
HYDROLOGIC SAMPLE NUMBER:	9620781B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-5
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	01/07/97
DATE/TIME ANALYZED:	01/14/97 01/03/97

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		10.0	BDL
Gasoline		400	1600

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

FINAL REPORT OF ANALYSES

HYDROLOGIC FRANKFORT
1491 TWILIGHT TRAIL
FRANKFORT, KY 40601-
Attn: BEATE LYNN

PROJECT NAME: H20 ENV
REPORT DATE: 01/09/97

SAMPLE NUMBER- 96626 SAMPLE ID- 1713.4023 MW-12 SAMPLE MATRIX- WW
DATE SAMPLED- 01/02/97 TIME SAMPLED- 1600
DATE RECEIVED- 01/03/97 SAMPLER- C PINELLI RECEIVED BY- DHT
TIME RECEIVED- 0945 DELIVERED BY- FED EX

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
PH,LAB	EPA 150.1	01/06/97	LJP	6.7	std units	
BOD	507	01/03/97	MGN	270.0	mg/l	2.0

Holding time for pH, 15 min. from time of collection, was exceeded. pH data may be inaccurate for regulatory reporting.

LABORATORY DIRECTOR

PO BOX 18029 ASHEVILLE NC 28814-0029
704-254-5169 FAX: 704-252-9711 TOLL FREE: 800-344-5759

HYDROLOGIC, INC.

9662

Chain of Custody Record

Page 1 of 1

☐ 122 Lyman Street Asheville, NC 28801 (704)254-5169 FAX (704) 252-9711	☐ 410 New Salem Highway #106 Murfreesboro, TN 37129 (615) 848-6810 FAX (615) 848-6805	☐ 1491 Twilight Trail Frankfort, KY 40601 (502) 223-0251 FAX (502) 875-8016	☐ 2003 North Pine Street Lumberton, NC 28358 (910) 738-6190 FAX (910) 671-8837	☐ I-85 S Bldg. 2848 Charlotte, NC 28208 (704) 392-1164 FAX (704) 392-9073	☐ 2500 Gateway Centre Morrisville, NC 27560 (919) 380-9699 FAX (919) 380-9717	☐ 4875 Riverside Drive Macon, GA 31210 (912) 757-0811 FAX (912) 757-0149	☐ 695 N Seventh Ave Brighton, CO. 80601 (303) 659-0497 FAX (303) 659-5064

Client: H2O	Project No.: 713.4023
Report Address:	Invoice Address:
Attn:	Attn:
Phone No.:	Sampled By: C. PINELLI
Fax No.:	P.O. No:
	State Samples Collected

TURNAROUND TIME

☒ 24 Hours ☐ 48 Hours

☐ 5 Days ☐ 10 Days Date Needed: _____

REQUESTED PARAMETERS

BOP/PAH
PAH

LAB CODE I.D.

A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/ Grab	Matrix	Containers	BOP/PAH	PAH									← Preserv.	REMARKS
MW-12	1/2	16:05		W	1	X											
MW-11	1/2	15:00		W	1		X										

Lab Use Only **Custody Seal:** ☐ Yes ☐ No ☐ N/A **Init Lab Temp** **Rec. Lab Temp**

COMMENTS: PAH sent to Ky

Relinquished By: C. PINELLI	Date 1/2	Time 17:00	Received By: Albert McNab	Date 01-02-97	Time 5:11
Relinquished By:	Date	Time	Received By: Denise Frame	Date 1/3/97	Time 0903
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquishe	Date	Time	Received By:	Date	Time

Lab Use Only

Jan 10, 1997

HydroLogic
Mr. Ben Esterle
1491 Twilight Trail
Frankfort, KY 40601

Dear Mr. Esterle,

Please find enclosed the report for 3 samples received at HydroLogic Laboratories, Inc. on 28 Dec 1996 for your project number, 1715.4066. The report reference is L3928.

If you have any questions, please call (303) 659-0497.

Sincerely,

Bob Cathel

Bob Cathel
Project Manager

695 NORTH SEVENTH AVENUE / BRIGHTON, COLORADO 80601 / 303-659-0497 / FAX: 303-659-5064

Sample Cross Reference Table

Company Name: HydroLogic

HydroLogic Login Number: L3928

HydroLogic Sample Number	Client Sample Identification	Sample Date/Time
L3928-1	MW-11	23 Dec 96 16:10
L3928-2	MW-17	23 Dec 96 16:20
L3928-3	MW-19	23 Dec 96 16:30

DATE AND TIME SUMMARY

Company Name: HydroLogic
Project: 1715.4066

HydroLogic Login Number: L3928

SAMPLE NUMBER: L3928-1 **CLIENT ID:** MW-11 **MATRIX:** Aqueous

METHOD	COLLECTED	PREPARED	ANALYZED
SW846, APIX	12/23/96 16:10	12/30/96	01/08/97 01:58
SW846, APIX	12/23/96 16:10	12/30/96	01/08/97 17:52
SW846, 8150	12/23/96 16:10	12/30/96	01/08/97 07:55
SW846, 8080	12/23/96 16:10	12/30/96	01/01/97 04:49
SW846, 7841	12/23/96 16:10	01/06/97	01/07/97 17:17
SW846, 7740	12/23/96 16:10	01/06/97	01/07/97 11:50
SW846, 7421	12/23/96 16:10	01/06/97	01/07/97 10:23
SW846, 7060	12/23/96 16:10	01/06/97	01/07/97 10:16
SW846, 7041	12/23/96 16:10	01/06/97	01/07/97 14:44
SW846, 6010	12/23/96 16:10	01/06/97	01/07/97 14:26
SW846, 6010	12/23/96 16:10	01/06/97	01/07/97 20:03
SW-846, 7470	12/23/96 16:10	12/31/96	12/31/96 16:17

SAMPLE NUMBER: L3928-2 **CLIENT ID:** MW-17 **MATRIX:** Aqueous

METHOD	COLLECTED	PREPARED	ANALYZED
SW846, APIX	12/23/96 16:20	12/30/96	01/08/97 00:26
SW846, 8240	12/23/96 16:20	01/06/97	01/06/97 18:39
SW846, 8150	12/23/96 16:20	12/30/96	01/08/97 08:32
SW846, 8080	12/23/96 16:20	12/30/96	01/01/97 05:30
SW846, 7841	12/23/96 16:20	01/06/97	01/07/97 17:21
SW846, 7740	12/23/96 16:20	01/06/97	01/07/97 11:55
SW846, 7421	12/23/96 16:20	01/06/97	01/07/97 10:28
SW846, 7060	12/23/96 16:20	01/06/97	01/07/97 10:20
SW846, 7041	12/23/96 16:20	01/06/97	01/07/97 14:48
SW846, 6010	12/23/96 16:20	01/06/97	01/07/97 14:29
SW846, 6010	12/23/96 16:20	01/06/97	01/07/97 20:06
SW-846, 7470	12/23/96 16:20	12/31/96	12/31/96 16:19

SAMPLE NUMBER: L3928-3 **CLIENT ID:** MW-19 **MATRIX:** Aqueous

METHOD	COLLECTED	PREPARED	ANALYZED
SW846, APIX	12/23/96 16:30	12/30/96	01/08/97 02:44
SW846, 8240	12/23/96 16:30	01/06/97	01/06/97 19:19
SW846, 8150	12/23/96 16:30	12/30/96	01/08/97 09:09
SW846, 8080	12/23/96 16:30	12/30/96	01/01/97 06:10
SW846, 7841	12/23/96 16:30	01/06/97	01/07/97 17:26
SW846, 7740	12/23/96 16:30	01/06/97	01/07/97 11:59
SW846, 7421	12/23/96 16:30	01/06/97	01/07/97 10:33
SW846, 7060	12/23/96 16:30	01/06/97	01/07/97 10:25
SW846, 7041	12/23/96 16:30	01/06/97	01/07/97 14:52
SW846, 6010	12/23/96 16:30	01/06/97	01/07/97 14:32
SW846, 6010	12/23/96 16:30	01/06/97	01/07/97 20:09
SW-846, 7470	12/23/96 16:30	12/31/96	12/31/96 16:21

Chain of Custody Record — PEDERSEN, INC.

☐ 122 Lyman Street, Asheville, NC 28801, (704) 254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ I-85 S Bldg. 2848, Charlotte, NC 28208, (704) 392-1164, FAX (704) 392-9073
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 695 N Seventh Ave, Brighton, CO. 80601, (303) 659-0497, FAX (303) 659-5064

Client: H&O Environmental, Inc.
Report Address: 170 Ernstrom Dr. Suite 3B, Irmo, SC 29063
Attn: Joe Fang
Phone No.: 803-749-4080
Fax No.: 803-749-4911

Project No.: 1715.4011
Invoice Address:
Attn: Joe Fang
Sampled By: JF/JK/CP
P.O. No: –
State Samples Collected: SC

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours
☒ 5 Days ☐ 10 Days Date Needed:

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Containers	BTEX/MTBE/NAPH (8260) (602)	PAH (8270) (610)	Appendix 9	TPH (Gas)	TPH (Diesel) (5030/3550)	BTEX/MTBE (8260)	PAH (8270)				← Preserv.	REMARKS
MW-16	12/23/96	1520	G	W	3	x	x										
MW-18	12/23/96	1530	G	W	3	x	x										
MW-20	12/23/96	1540	G	W	3	x	x										
MW-21	12/23/96	1550	G	W	3	x	x										
MW-22	12/23/96	1600	G	W	3	x	x										
MW-11	12/23/96	1610	G	W	12			x.		8	None	1-HNO					
MW-17	12/23/96	1620	G	W	12			x			↓		↓	3 VOA		pH2	
MW-19	12/23/96	1630	G	W	12			x			↓		↓	2		↓	
[illegible]-1	12/23/96	1635	C	S	2				x	x	x						
SP-2	12/23/96	1640	C	S	2				x	x	x						

Lab Use Only — Custody Seal: ☐ Yes ☐ No ☐ N/A

Rec. on Ice SMB — Init Lab Temp.
Rec. on Ice — Rec. Lab Temp

COMMENTS: Charleston S. Terminal

Relinquished By:	Date	Time	Received By:	Date	Time
J. Pinelli	12/24		Sue Baker	12/24/96	12:30
Relinquished By:	Date	Time	Received By: Emily Kameen Jone	12/27/96	10
Emily Kameen Jone	12/27/96	5	Received By: Jane Dunges	12-27-96	11:30
Relinquished By:	Date	Time	Received By:	Date	Time

Lab Use Only: MW11 Vials (A113) Rec'd Broke, QC

Chain of Custody Record

HYDRO TOXIC, INC.

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ I-85 S Bldg. 2848, Charlotte, NC 28208, (704) 392-1164, FAX (704) 392-9073
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 695 N Seventh Ave, Brighton, CO. 80601, (303) 659-0497, FAX (303) 659-5064

Client: HLU Environmental
Report Address: 170 CENTRUM DR. SUITE 103, Irmo, SC 29063
Attn: Joe Ferry
Phone No.: 803-749-4038
Fax No.: 803-749-9911

Project No.: 1715.4066
Invoice Address:
Attn: Joe Ferry
Sampled By: JF/JK/CP
P.O. No: —
State Samples Collected: SC

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours
☒ 5 Days ☐ 10 Days Date Needed: _____

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Containers	TPH (GRO), TPH (Diesel) (5030/3550)	PAH (8270)	BTEX/MTBE (8260)								← Preserv.	REMARKS
SP-3	12/23/96	1645	C	S	2	x	x	x									
SP-4	12/23/96	1650	C	S	2	x	x	x									
SP-5	12/23/96	1655	C	S	2	x	x	x									

Lab Use Only Custody Seal: ☐ Yes ☐ No ☐ N/A

Rec. on Ice — Init Lab Temp
Rec. on Ice — Rec. Lab Temp

COMMENTS: Charleston S. Terminal

Relinquished By:	Date:	Time	Received By:	Date	Time
J. Pinelli	12/24		S. Baker	12/24/96	12:30
Relinquished By:	Date	Time	Received By:	Date	Time
			Emily Cameron Jone	12/25/96	10
Relinquished By:	Date	Time	Received By:	Date	Time
Emily Cameron Jone	12/27/96	5			
Relinquished By:	Date	Time	Received By:	Date	Time

Lab Use Only:

Chain of Cust. Record

HYDROLOGIC, INC.

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ I-85 S Bldg. 2848, Charlotte, NC 28208, (704) 392-1164, FAX (704) 392-9073
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 695 N Seventh Ave, Brighton, CO. 80601, (303) 659-0497, FAX (303) 659-5064

Client: HLO Environmental
Report Address: 130 Centre Dr. Suite 38, Irmo, SC 29063
Attn: Joe Ferry
Phone No.: 803-749-4080
Fax No.: 803-749-9911

Project No.: 1715.4066
Invoice Address:
Attn: Joe Ferry
Sampled By: JF/JK/CP
P.O. No: —
State Samples Collected: SC

TURNAROUND TIME
24 Hours ☐ 48 Hours
☒ 5 Days ☐ 10 Days
Date Needed: _____

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Containers	BTEX/MTBE/NAPH (8260)	PAH (8270) (610)									← Preserv.	REMARKS
MW-5	12/23/96	1320	G	W	3	x	x										
MW-6	12/23/96	1340	G	W	3	x	x										
MW-7	12/23/96	1400	G	W	3	x	x										
MW-8	12/23/96	1410	G	W	3	x	x										
MW-9	12/23/96	1420	G	W	3	x	x										
MW-10	12/23/96	1430	G	W	3	x	x										
MW-12	12/23/96	1440	G	W	3	x	x										
MW-13	12/23/96	1450	G	W	3	x	x										
W-14	12/23/96	1500	G	W	3	x	x										
MW-15	12/23/96	1510	G	W	3	x	x										

Lab Use Only — Custody Seal: ☐ Yes ☐ No ☐ N/A

Init Lab Temp: Rec. on ice SLB
Rec. Lab Temp: Rec on Ice

COMMENTS: Charleston S. Terminal

Relinquished By	Date	Time	Received By	Date	Time
R P Spinelli	12/24		J C Baker	12/24/96	12:30
			Emily Cameron Jone	12/24/96	10
Emily Cameron Jone	12/24/96	5			

Lab Use Only:

FINAL

RESULTS

F 1 - Data Summary Report
Prepared By: Hydrologic Laboratories, Inc.

Client ID: MW-11
Project Number: 1715.4066
Sample ID: L3928-1
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

SW846 Met. 8270 (APIX)
Preparation Date: 30-DEC-96
Analysis Date: 08-JAN-97 17:52
Workgroup Number: WG9199

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Acenaphthene	83-32-9	1	ND	ug/L	5
Acenaphthylene	208-96-8	1	ND	ug/L	5
Acetophenone	98-86-2	1	ND	ug/L	5
2-Acetylaminofluorene	53-96-3	1	ND	ug/L	100
4-Aminobiphenyl	92-67-1	1	ND	ug/L	10
Aniline	62-53-3	1	ND	ug/L	5
Anthracene	120-12-7	1	ND	ug/L	5
Aramite	140-57-8	1	ND	ug/L	10
Benz(a)anthracene	56-55-3	1	ND	ug/L	5
Benzo(b)fluoranthene	205-99-2	1	ND	ug/L	5
Benzo(k)fluoranthene	207-08-9	1	ND	ug/L	5
Benzo(g,h,i)perylene	191-24-2	1	ND	ug/L	5
Benzo(a)pyrene	50-32-8	1	ND	ug/L	5
Benzyl alcohol	100-51-6	1	12	ug/L	5
4-Bromophenyl phenyl ether	101-55-3	1	ND	ug/L	5
Butyl benzyl phthalate	85-68-7	1	ND	ug/L	5
2-sec-Butyl-4,6-dinitrophenol	88-85-7	1	ND	ug/L	10
4-Chloroaniline	106-47-8	1	ND	ug/L	5
Bis(2-chloroethoxy)methane	111-91-1	1	ND	ug/L	5
Bis(2-chloroethyl) ether	111-44-4	1	ND	ug/L	5
Bis(2-chloroisopropyl) ether	108-60-1	1	ND	ug/L	5
4-Chloro-3-methylphenol	59-50-7	1	ND	ug/L	5
2-Chloronaphthalene	91-58-7	1	ND	ug/L	5
2-Chlorophenol	95-57-8	1	ND	ug/L	5
4-Chlorophenyl phenyl ether	7005-72-3	1	ND	ug/L	5
Chrysene	218-01-9	1	ND	ug/L	5
Dibenz(a,h)anthracene	53-70-3	1	ND	ug/L	5
Dibenzofuran	132-64-9	1	6	ug/L	5
1,3-Dichlorobenzene	541-73-1	1	ND	ug/L	5
1,4-Dichlorobenzene	106-46-7	1	ND	ug/L	5
1,2-Dichlorobenzene	95-50-1	1	ND	ug/L	5
Di-n-butyl phthalate	84-74-2	1	ND	ug/L	20
3,3'-Dichlorobenzidine	91-94-1	1	ND	ug/L	10
2,4-Dichlorophenol	120-83-2	1	ND	ug/L	5
2,6-Dichlorophenol	87-65-0	1	ND	ug/L	5
Diethyl phthalate	84-66-2	1	ND	ug/L	10

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-11
Project Number: 1715.4066
Sample ID: L3928-1
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Dimethoate	60-51-5	1	ND	ug/L	10
p-Dimethylaminoazobenzene	60-11-7	1	ND	ug/L	5
7,12-Dimethylbenz(a)anthracene	57-97-6	1	ND	ug/L	5
3,3'-Dimethylbenzidine	119-93-7	1	ND	ug/L	10
a,a-Dimethylphenethylamine	122-09-8	1	ND	ug/L	100
2,4-Dimethylphenol	105-67-9	1	110	ug/L	5
Dimethyl phthalate	131-11-3	1	ND	ug/L	5
1,3-Dinitrobenzene	99-65-0	1	ND	ug/L	10
4,6-Dinitro-2-methylphenol	534-52-1	1	ND	ug/L	25
2,4-Dinitrophenol	51-28-5	1	ND	ug/L	25
2,4-Dinitrotoluene	121-14-2	1	ND	ug/L	5
2,6-Dinitrotoluene	606-20-2	1	ND	ug/L	5
Di-n-octyl phthalate	117-84-0	1	ND	ug/L	5
Diphenylamine	122-39-4	1	ND	ug/L	10
Disulfoton	298-04-4	1	ND	ug/L	10
bis(2-ethylhexyl) phthalate	117-81-7	1	19	ug/L	5
Ethyl methanesulfonate	62-50-0	1	ND	ug/L	10
Famphur	52-85-7	1	ND	ug/L	10
Fluoranthene	206-44-0	1	ND	ug/L	5
Fluorene	86-73-7	1	6	ug/L	5
Hexachlorobenzene	118-74-1	1	ND	ug/L	5
Hexachlorobutadiene	87-68-3	1	ND	ug/L	5
Hexachlorocyclopentadiene	77-47-4	1	ND	ug/L	5
Hexachloroethane	67-72-1	1	ND	ug/L	5
Hexachloropropene	1888-71-7	1	ND	ug/L	5
Hexachlorophene	70-30-4	1	ND	ug/L	100
Indeno(1,2,3-cd)pyrene	193-39-5	1	ND	ug/L	5
Isophorone	78-59-1	1	ND	ug/L	5
Isosafrole	120-58-1	1	ND	ug/L	20
Methapyrilene	91-80-5	1	ND	ug/L	10
3-Methylcholanthrene	56-49-5	1	ND	ug/L	5
Methyl methanesulfonate	66-27-3	1	ND	ug/L	5
2-Methylnaphthalene	91-57-6	10	300	ug/L	50
Methyl parathion	298-00-0	1	ND	ug/L	10
2-Methylphenol	95-48-7	1	62	ug/L	5
3&4-Methylphenol	NA	1	ND	ug/L	5
Naphthalene	91-20-3	10	340	ug/L	50
1,4-Naphthoquinone	130-15-4	1	ND	ug/L	10
1-Naphthylamine	134-32-7	1	ND	ug/L	5
2-Naphthylamine	91-59-8	1	ND	ug/L	5

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-11
Project Number: 1715.4066
Sample ID: L3928-1
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
2-Nitroaniline	88-74-4	1	ND	ug/L	25
3-Nitroaniline	99-09-2	1	ND	ug/L	25
4-Nitroaniline	100-01-6	1	ND	ug/L	25
Nitrobenzene	98-95-3	1	ND	ug/L	5
2-Nitrophenol	88-75-5	1	ND	ug/L	5
4-Nitrophenol	100-02-7	1	ND	ug/L	25
N-Nitroso-di-n-butylamine	924-16-3	1	ND	ug/L	5
N-Nitrosodiethylamine	55-18-5	1	ND	ug/L	10
N-Nitrosodimethylamine	62-75-9	1	ND	ug/L	10
N-Nitrosodiphenylamine	86-30-6	1	ND	ug/L	25
N-Nitrosodipropylamine	621-64-7	1	ND	ug/L	5
N-Nitrosomethylethylamine	10595-95-6	1	ND	ug/L	10
N-Nitrosomorpholine	59-89-2	1	ND	ug/L	10
N-Nitrosopiperidine	100-75-4	1	ND	ug/L	10
N-Nitrosopyrrolidine	930-55-2	1	ND	ug/L	10
5-Nitro-o-toluidine	99-55-8	1	ND	ug/L	10
4-Nitroquinoline-n-oxide	56-57-5	1	ND	ug/L	100
Parathion	56-38-2	1	ND	ug/L	10
Pentachlorobenzene	608-93-5	1	ND	ug/L	5
Pentachloroethane	76-01-7	1	ND	ug/L	10
Pentachloronitrobenzene	82-68-8	1	ND	ug/L	10
Pentachlorophenol	87-86-5	1	ND	ug/L	25
Phenacetin	62-44-2	1	ND	ug/L	25
Phenanthrene	85-01-8	1	ND	ug/L	5
Phenol	108-95-2	1	8	ug/L	5
p-Phenylenediamine	106-50-3	1	ND	ug/L	100
Phorate	298-02-2	1	ND	ug/L	10
2-Picoline	109-06-8	1	ND	ug/L	5
Pronamide	23950-58-5	1	ND	ug/L	5
Pyrene	129-00-0	1	ND	ug/L	5
Pyridine	110-86-1	1	ND	ug/L	10
Safrole	94-59-7	1	ND	ug/L	10
1,2,4,5-Tetrachlorobenzene	95-94-3	1	ND	ug/L	10
2,3,4,6-Tetrachlorophenol	58-90-2	1	ND	ug/L	5
o-Toluidine	95-53-4	1	ND	ug/L	10
1,2,4-Trichlorobenzene	120-82-1	1	ND	ug/L	5
2,4,5-Trichlorophenol	95-95-4	1	ND	ug/L	25
2,4,6-Trichlorophenol	88-06-2	1	ND	ug/L	5
1,3,5-Trinitrobenzene	99-35-4	1	ND	ug/L	10
Nitrobenzene-d5	SURROGATE	1	66	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-11
Project Number: 1715.4066
Sample ID: L3928-1
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
2-Fluorobiphenyl	SURROGATE	1	66	%	
p-Terphenyl-d14	SURROGATE	1	64	%	
Phenol-d6	SURROGATE	1	61	%	
2-Fluorophenol	SURROGATE	1	10	%	
2,4,6-Tribromophenol	SURROGATE	1	58	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-11
Project Number: 1715.4D66
Sample ID: L3928-1
Site / Project ID: H2D ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

SW846 Methods 352D/8080
Preparation Date: 30-DEC-96
Analysis Date: 01-JAN-97 04:49
Workgroup Number: WG9163

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Aldrin	309-00-2	1	ND	ug/L	.05
alpha-BHC	319-84-6	1	ND	ug/L	.05
beta-BHC	319-85-7	1	ND	ug/L	.05
delta-BHC	319-86-8	1	ND	ug/L	.05
gamma-BHC (Lindane)	58-89-9	1	ND	ug/L	.05
alpha-Chlordane	5103-71-9	1	ND	ug/L	.05
gamma-Chlordane	5103-74-2	1	ND	ug/L	.05
Chlorobenzilate	510-15-6	1	ND	ug/L	.1
4,4'-DDD	72-54-8	1	ND	ug/L	.1
4,4'-DDE	72-55-9	1	ND	ug/L	.1
4,4'-DDT	50-29-3	1	ND	ug/L	.1
Diallate	60-57-1	1	ND	ug/L	1
Dieldrin	60-57-1	1	ND	ug/L	.1
Endosulfan I	959-98-8	1	ND	ug/L	.05
Endosulfan II	33213-65-9	1	ND	ug/L	.1
Endosulfan sulfate	1031-07-8	1	ND	ug/L	.1
Endrin	72-20-8	1	ND	ug/L	.1
Endrin aldehyde	7421-93-4	1	ND	ug/L	.1
Heptachlor	76-44-8	1	ND	ug/L	.05
Heptachlor epoxide	1024-57-3	1	ND	ug/L	.05
Isodrin	465-73-6	1	ND	ug/L	.1
Kepone	143-50-0	1	ND	ug/L	1
Methoxychlor	72-43-5	1	ND	ug/L	.5
Toxaphene	8001-35-2	1	ND	ug/L	2.4
Aroclor-1016	12674-11-2	1	ND	ug/L	.5
Aroclor-1221	11104-28-2	1	ND	ug/L	.5
Aroclor-1232	11141-16-5	1	ND	ug/L	.5
Aroclor-1242	53469-21-9	1	ND	ug/L	.5
Aroclor-1248	12672-29-6	1	ND	ug/L	.5
Aroclor-1254	11097-69-1	1	ND	ug/L	1
Aroclor-1260	11096-82-5	1	ND	ug/L	1
Tetrachloro-m-xylene	SURROGATE	1	88	%	
Decachlorobiphenyl	SURROGATE	1	100	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-11
Project Number: 1715.4066
Sample ID: L3928-1
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Met. 8150 (APIX)					
Preparation Date: 30-DEC-96					
Analysis Date: 08-JAN-97 07:55					
Workgroup Number: WG9178					
2,4-D	94-75-7	1	ND	ug/L	1
2,4,5-T	93-76-5	1	.361	ug/L	.1
2,4,5-TP (Silvex)	93-72-1	1	ND	ug/L	.1
DCAA	SURROGATE	1	123	%	

Review By: Bob Cathel

Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-11
Project Number: 1715.4066
Sample ID: L3928-1
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Met. 6010 (APIX)					
Preparation Date: 06-JAN-97					
Analysis Date: 07-JAN-97 20:03					
Workgroup Number: WG9293					
Barium	7440-39-3	1	.0358	mg/L	.02
Beryllium	7440-41-7	1	ND	mg/L	.004
Cadmium	7440-43-9	1	ND	mg/L	.005
Chromium	7440-47-3	1	.0143	mg/L	.01
Cobalt	7440-48-4	1	ND	mg/L	.05
Copper	7440-50-8	1	ND	mg/L	.01
Nickel	7440-02-0	1	ND	mg/L	.02
Silver	7440-22-4	1	ND	mg/L	.01
Tin	7440-31-5	1	ND	mg/L	.1
Vanadium	7440-62-2	1	ND	mg/L	.05
Zinc	7440-66-6	1	.0395	mg/L	.02

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-11
Project Number: 1715.4066
Sample ID: L3928-1
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 7060					
Analysis Date: 07-JAN-97 10:16					
Workgroup Number: WG9295					
Arsenic	7440-38-2	1	.029	mg/L	.005
SW846 Method 7470					
Analysis Date: 31-DEC-96 16:17					
Workgroup Number: WG9215					
Mercury	7439-97-6	1	ND	mg/L	.0002
SW846 Method 7421					
Analysis Date: 07-JAN-97 10:23					
Workgroup Number: WG9294					
Lead	7439-92-1	1	.0061	mg/L	.003
SW846 Method 7041					
Analysis Date: 07-JAN-97 14:44					
Workgroup Number: WG9317					
Antimony	7440-36-0	1	ND	mg/L	.006
SW846 Method 7740					
Analysis Date: 07-JAN-97 11:50					
Workgroup Number: WG9296					
Selenium	7782-49-2	1	ND	mg/L	.005
SW846 Method 7841					
Analysis Date: 07-JAN-97 17:17					
Workgroup Number: WG9297					
Thallium	7440-26-0	1	ND	mg/L	.005

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

SW846 Met. 8240 (APIX)
Preparation Date: 06-JAN-97
Analysis Date: 06-JAN-97 18:39
Workgroup Number: WG9287

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Acetone	67-64-1	100	ND	ug/L	10000
Acetonitrile	75-05-8	100	ND	ug/L	10000
Acrolein	107-02-8	100	ND	ug/L	10000
Acrylonitrile	107-13-1	100	ND	ug/L	10000
Allyl chloride	107-05-1	100	ND	ug/L	1000
Benzene	71-43-2	100	ND	ug/L	500
Bromodichloromethane	75-27-4	100	ND	ug/L	500
Bromoform	75-25-2	100	ND	ug/L	500
Bromomethane	74-83-9	100	ND	ug/L	1000
2-Butanone	78-93-3	100	ND	ug/L	10000
Carbon disulfide	75-15-0	100	ND	ug/L	10000
Carbon tetrachloride	56-23-5	100	ND	ug/L	500
Chlorobenzene	108-90-7	100	ND	ug/L	500
Chloroethane	75-00-3	100	ND	ug/L	1000
Chloroform	67-66-3	100	ND	ug/L	500
Chloromethane	74-87-3	100	ND	ug/L	1000
3-Chloropropylene	107-05-1	100	ND	ug/L	500
Dibromochloromethane	124-48-1	100	ND	ug/L	500
1,2-Dibromo-3-chloropropane	96-12-8	100	ND	ug/L	10000
1,2-Dibromoethane	106-93-4	100	ND	ug/L	500
Dibromomethane	74-95-3	100	ND	ug/L	500
trans-1,4-Dichloro-2-butene	110-57-6	100	ND	ug/L	500
Dichlorodifluoromethane	75-71-8	100	ND	ug/L	1000
1,1-Dichloroethane	75-34-3	100	ND	ug/L	500
1,2-Dichloroethane	107-06-2	100	ND	ug/L	500
1,1-Dichloroethene	75-35-4	100	ND	ug/L	500
trans-1,2-Dichloroethene	156-60-5	100	ND	ug/L	500
cis-1,2-Dichloroethene	156-59-2	100	ND	ug/L	500
1,2-Dichloropropane	78-87-5	100	ND	ug/L	500
cis-1,3-Dichloropropene	10061-01-5	100	ND	ug/L	500
trans-1,3-Dichloropropene	10061-02-6	100	ND	ug/L	500
1,4-Dioxane	123-91-1	100	ND	ug/L	10000
Ethylbenzene	100-41-4	100	4400	ug/L	500
Ethyl methacrylate	97-63-2	100	ND	ug/L	500
2-Hexanone	591-78-6	100	ND	ug/L	10000
Iodomethane	74-88-4	100	ND	ug/L	1000

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Methacrylonitrile	126-98-7	100	ND	ug/L	10000
Methylene chloride	75-09-2	100	ND	ug/L	500
Methyl methacrylate	80-62-6	100	ND	ug/L	5000
4-Methyl-2-pentanone	108-10-1	100	ND	ug/L	5000
Propionitrile	107-12-0	100	ND	ug/L	500
Styrene	100-42-5	100	ND	ug/L	500
1,1,1,2-Tetrachloroethane	630-20-6	100	ND	ug/L	500
1,1,2,2-Tetrachloroethane	79-34-5	100	ND	ug/L	500
Tetrachloroethene	127-18-4	100	ND	ug/L	500
Toluene	108-88-3	100	ND	ug/L	500
1,1,1-Trichloroethane	71-55-6	100	ND	ug/L	500
1,1,2-Trichloroethane	79-00-5	100	ND	ug/L	500
Trichloroethene	79-01-6	100	ND	ug/L	500
Trichlorofluoromethane	75-69-4	100	ND	ug/L	500
1,2,3-Trichloropropane	96-18-4	100	ND	ug/L	500
Vinyl acetate	108-05-4	100	ND	ug/L	1000
Vinyl chloride	75-01-4	100	ND	ug/L	200
Xylene (Total)	1330-20-7	100	15000	ug/L	500
Dibromofluoromethane	SURROGATE	100	99	%	
Toluene-d8	SURROGATE	100	95	%	
4-Bromofluorobenzene	SURROGATE	100	100	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

SW846 Met. 8270 (APIX)
Preparation Date: 30-DEC-96
Analysis Date: 08-JAN-97 00:26
Workgroup Number: WG9199

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Acenaphthene	83-32-9	1	ND	ug/L	5
Acenaphthylene	208-96-8	1	ND	ug/L	5
Acetophenone	98-86-2	1	ND	ug/L	5
2-Acetylaminofluorene	53-96-3	1	ND	ug/L	100
4-Aminobiphenyl	92-67-1	1	ND	ug/L	10
Aniline	62-53-3	1	ND	ug/L	5
Anthracene	120-12-7	1	ND	ug/L	5
Aramite	140-57-8	1	ND	ug/L	10
Benz(a)anthracene	56-55-3	1	ND	ug/L	5
Benzo(b)fluoranthene	205-99-2	1	ND	ug/L	5
Benzo(k)fluoranthene	207-08-9	1	ND	ug/L	5
Benzo(g,h,i)perylene	191-24-2	1	ND	ug/L	5
Benzo(a)pyrene	50-32-8	1	ND	ug/L	5
Benzyl alcohol	100-51-6	1	ND	ug/L	5
4-Bromophenyl phenyl ether	101-55-3	1	ND	ug/L	5
Butyl benzyl phthalate	85-68-7	1	ND	ug/L	5
2-sec-Butyl-4,6-dinitrophenol	88-85-7	1	ND	ug/L	10
4-Chloroaniline	106-47-8	1	ND	ug/L	5
Bis(2-chloroethoxy)methane	111-91-1	1	ND	ug/L	5
Bis(2-chloroethyl) ether	111-44-4	1	ND	ug/L	5
Bis(2-chloroisopropyl) ether	108-60-1	1	ND	ug/L	5
4-Chloro-3-methylphenol	59-50-7	1	ND	ug/L	5
2-Chloronaphthalene	91-58-7	1	ND	ug/L	5
2-Chlorophenol	95-57-8	1	ND	ug/L	5
4-Chlorophenyl phenyl ether	7005-72-3	1	ND	ug/L	5
Chrysene	218-01-9	1	ND	ug/L	5
Dibenz(a,h)anthracene	53-70-3	1	ND	ug/L	5
Dibenzofuran	132-64-9	1	ND	ug/L	5
1,3-Dichlorobenzene	541-73-1	1	ND	ug/L	5
1,4-Dichlorobenzene	106-46-7	1	ND	ug/L	5
1,2-Dichlorobenzene	95-50-1	1	ND	ug/L	5
Di-n-butyl phthalate	84-74-2	1	ND	ug/L	20
3,3'-Dichlorobenzidine	91-94-1	1	ND	ug/L	10
2,4-Dichlorophenol	120-83-2	1	ND	ug/L	5
2,6-Dichlorophenol	87-65-0	1	ND	ug/L	5
Diethyl phthalate	84-66-2	1	ND	ug/L	10

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc.... 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Dimethoate	60-51-5	1	ND	ug/L	10
p-Dimethylaminoazobenzene	60-11-7	1	ND	ug/L	5
7,12-Dimethylbenz(a)anthracene	57-97-6	1	ND	ug/L	5
3,3'-Dimethylbenzidine	119-93-7	1	ND	ug/L	10
a,a-Dimethylphenethylamine	122-09-8	1	ND	ug/L	100
2,4-Dimethylphenol	105-67-9	1	65	ug/L	5
Dimethyl phthalate	131-11-3	1	ND	ug/L	5
1,3-Dinitrobenzene	99-65-0	1	ND	ug/L	10
4,6-Dinitro-2-methylphenol	534-52-1	1	ND	ug/L	25
2,4-Dinitrophenol	51-28-5	1	ND	ug/L	25
2,4-Dinitrotoluene	121-14-2	1	ND	ug/L	5
2,6-Dinitrotoluene	606-20-2	1	ND	ug/L	5
Di-n-octyl phthalate	117-84-0	1	ND	ug/L	5
Diphenylamine	122-39-4	1	ND	ug/L	10
Disulfoton	298-04-4	1	ND	ug/L	10
bis(2-ethylhexyl) phthalate	117-81-7	1	48	ug/L	5
Ethyl methanesulfonate	62-50-0	1	ND	ug/L	10
Famphur	52-85-7	1	ND	ug/L	10
Fluoranthene	206-44-0	1	ND	ug/L	5
Fluorene	86-73-7	1	ND	ug/L	5
Hexachlorobenzene	118-74-1	1	ND	ug/L	5
Hexachlorobutadiene	87-68-3	1	ND	ug/L	5
Hexachlorocyclopentadiene	77-47-4	1	ND	ug/L	5
Hexachloroethane	67-72-1	1	ND	ug/L	5
Hexachloropropene	1888-71-7	1	ND	ug/L	5
Hexachlorophene	70-30-4	1	ND	ug/L	100
Indeno(1,2,3-cd)pyrene	193-39-5	1	ND	ug/L	5
Isophorone	78-59-1	1	ND	ug/L	5
Isosafrole	120-58-1	1	ND	ug/L	20
Methapyrilene	91-80-5	1	ND	ug/L	10
3-Methylcholanthrene	56-49-5	1	ND	ug/L	5
Methyl methanesulfonate	66-27-3	1	ND	ug/L	5
2-Methylnaphthalene	91-57-6	1	130	ug/L	5
Methyl parathion	298-00-0	1	ND	ug/L	10
2-Methylphenol	95-48-7	1	10	ug/L	5
3&4-Methylphenol	NA	1	ND	ug/L	5
Naphthalene	91-20-3	1	110	ug/L	5
1,4-Naphthoquinone	130-15-4	1	ND	ug/L	10
1-Naphthylamine	134-32-7	1	ND	ug/L	5
2-Naphthylamine	91-59-8	1	ND	ug/L	5

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc. .. 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
2-Nitroaniline	88-74-4	1	ND	ug/L	25
3-Nitroaniline	99-09-2	1	ND	ug/L	25
4-Nitroaniline	100-01-6	1	ND	ug/L	25
Nitrobenzene	98-95-3	1	ND	ug/L	5
2-Nitrophenol	88-75-5	1	ND	ug/L	5
4-Nitrophenol	100-02-7	1	ND	ug/L	25
N-Nitroso-di-n-butylamine	924-16-3	1	ND	ug/L	5
N-Nitrosodiethylamine	55-18-5	1	ND	ug/L	10
N-Nitrosodimethylamine	62-75-9	1	ND	ug/L	10
N-Nitrosodiphenylamine	86-30-6	1	ND	ug/L	25
N-Nitrosodipropylamine	621-64-7	1	ND	ug/L	5
N-Nitrosomethylethylamine	10595-95-6	1	ND	ug/L	10
N-Nitrosomorpholine	59-89-2	1	ND	ug/L	10
N-Nitrosopiperidine	100-75-4	1	ND	ug/L	10
N-Nitrosopyrrolidine	930-55-2	1	ND	ug/L	10
5-Nitro-o-toluidine	99-55-8	1	ND	ug/L	10
4-Nitroquinoline-n-oxide	56-57-5	1	ND	ug/L	100
Parathion	56-38-2	1	ND	ug/L	10
Pentachlorobenzene	608-93-5	1	ND	ug/L	5
Pentachloroethane	76-01-7	1	ND	ug/L	10
Pentachloronitrobenzene	82-68-8	1	ND	ug/L	10
Pentachlorophenol	87-86-5	1	ND	ug/L	25
Phenacetin	62-44-2	1	ND	ug/L	25
Phenanthrene	85-01-8	1	ND	ug/L	5
Phenol	108-95-2	1	ND	ug/L	5
p-Phenylenediamine	106-50-3	1	ND	ug/L	100
Phorate	298-02-2	1	ND	ug/L	10
2-Picoline	109-06-8	1	ND	ug/L	5
Pronamide	23950-58-5	1	ND	ug/L	5
Pyrene	129-00-0	1	ND	ug/L	5
Pyridine	110-86-1	1	ND	ug/L	10
Safrole	94-59-7	1	ND	ug/L	10
1,2,4,5-Tetrachlorobenzene	95-94-3	1	ND	ug/L	10
2,3,4,6-Tetrachlorophenol	58-90-2	1	ND	ug/L	5
o-Toluidine	95-53-4	1	ND	ug/L	10
1,2,4-Trichlorobenzene	120-82-1	1	ND	ug/L	5
2,4,5-Trichlorophenol	95-95-4	1	ND	ug/L	25
2,4,6-Trichlorophenol	88-06-2	1	ND	ug/L	5
1,3,5-Trinitrobenzene	99-35-4	1	ND	ug/L	10
Nitrobenzene-d5	SURROGATE	1	84	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
2-Fluorobiphenyl	SURROGATE	1	82	%	
p-Terphenyl-d14	SURROGATE	1	62	%	
Phenol-d6	SURROGATE	1	84	%	
2-Fluorophenol	SURROGATE	1	5	%	
2,4,6-Tribromophenol	SURROGATE	1	91	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc. .. 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Methods 3520/8080					
Preparation Date: 30-DEC-96					
Analysis Date: 01-JAN-97 05:30					
Workgroup Number: WG9163					
Aldrin	309-00-2	1	ND	ug/L	.05
alpha-BHC	319-84-6	1	ND	ug/L	.05
beta-BHC	319-85-7	1	ND	ug/L	.05
delta-BHC	319-86-8	1	ND	ug/L	.05
gamma-BHC (Lindane)	58-89-9	1	ND	ug/L	.05
alpha-Chlordane	5103-71-9	1	ND	ug/L	.05
gamma-Chlordane	5103-74-2	1	ND	ug/L	.05
Chlorobenzilate	510-15-6	1	ND	ug/L	.1
4,4'-DDD	72-54-8	1	ND	ug/L	.1
4,4'-DDE	72-55-9	1	ND	ug/L	.1
4,4'-DDT	50-29-3	1	ND	ug/L	.1
Diallate	60-57-1	1	ND	ug/L	1
Dieldrin	60-57-1	1	ND	ug/L	.1
Endosulfan I	959-98-8	1	ND	ug/L	.05
Endosulfan II	33213-65-9	1	ND	ug/L	.1
Endosulfan sulfate	1031-07-8	1	ND	ug/L	.1
Endrin	72-20-8	1	ND	ug/L	.1
Endrin aldehyde	7421-93-4	1	ND	ug/L	.1
Heptachlor	76-44-8	1	ND	ug/L	.05
Heptachlor epoxide	1024-57-3	1	ND	ug/L	.05
Isodrin	465-73-6	1	ND	ug/L	.1
Kepone	143-50-0	1	ND	ug/L	1
Methoxychlor	72-43-5	1	ND	ug/L	.5
Toxaphene	8001-35-2	1	ND	ug/L	2.4
Aroclor-1016	12674-11-2	1	ND	ug/L	.5
Aroclor-1221	11104-28-2	1	ND	ug/L	.5
Aroclor-1232	11141-16-5	1	ND	ug/L	.5
Aroclor-1242	53469-21-9	1	ND	ug/L	.5
Aroclor-1248	12672-29-6	1	ND	ug/L	.5
Aroclor-1254	11097-69-1	1	ND	ug/L	1
Aroclor-1260	11096-82-5	1	ND	ug/L	1
Tetrachloro-m-xylene	SURROGATE	1	72	%	
Decachlorobiphenyl	SURROGATE	1	94	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc. . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Met. 8150 (APIX)					
Preparation Date: 30-DEC-96					
Analysis Date: 08-JAN-97 08:32					
Workgroup Number: WG9178					
2,4-D	94-75-7	1	ND	ug/L	1
2,4,5-T	93-76-5	1	.129	ug/L	.1
2,4,5-TP (Silvex)	93-72-1	1	ND	ug/L	.1
DCAA	SURROGATE	1	80	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Met. 6010 (APIX)					
Preparation Date: 06-JAN-97					
Analysis Date: 07-JAN-97 20:06					
Workgroup Number: WG9293					
Barium	7440-39-3	1	.0551	mg/L	.02
Beryllium	7440-41-7	1	ND	mg/L	.004
Cadmium	7440-43-9	1	ND	mg/L	.005
Chromium	7440-47-3	1	.0144	mg/L	.01
Cobalt	7440-48-4	1	ND	mg/L	.05
Copper	7440-50-8	1	ND	mg/L	.01
Nickel	7440-02-0	1	ND	mg/L	.02
Silver	7440-22-4	1	ND	mg/L	.01
Tin	7440-31-5	1	ND	mg/L	.1
Vanadium	7440-62-2	1	ND	mg/L	.05
Zinc	7440-66-6	1	.0512	mg/L	.02

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fo... 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17
Project Number: 1715.4066
Sample ID: L3928-2
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 7060					
Analysis Date: 07-JAN-97 10:20					
Workgroup Number: WG9295					
Arsenic	7440-38-2	1	.0077	mg/L	.005
SW846 Method 7470					
Analysis Date: 31-DEC-96 16:19					
Workgroup Number: WG9215					
Mercury	7439-97-6	1	ND	mg/L	.0002
SW846 Method 7421					
Analysis Date: 07-JAN-97 10:28					
Workgroup Number: WG9294					
Lead	7439-92-1	1	.0065	mg/L	.003
SW846 Method 7041					
Analysis Date: 07-JAN-97 14:48					
Workgroup Number: WG9317					
Antimony	7440-36-0	1	ND	mg/L	.006
SW846 Method 7740					
Analysis Date: 07-JAN-97 11:55					
Workgroup Number: WG9296					
Selenium	7782-49-2	1	ND	mg/L	.005
SW846 Method 7841					
Analysis Date: 07-JAN-97 17:21					
Workgroup Number: WG9297					
Thallium	7440-26-0	1	ND	mg/L	.005

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Met. 8240 (APIX)					
Preparation Date: 06-JAN-97					
Analysis Date: 06-JAN-97 19:19					
Workgroup Number: WG9287					
Acetone	67-64-1	100	ND	ug/L	10000
Acetonitrile	75-05-8	100	ND	ug/L	10000
Acrolein	107-02-8	100	ND	ug/L	10000
Acrylonitrile	107-13-1	100	ND	ug/L	10000
Allyl chloride	107-05-1	100	ND	ug/L	1000
Benzene	71-43-2	100	ND	ug/L	500
Bromodichloromethane	75-27-4	100	ND	ug/L	500
Bromoform	75-25-2	100	ND	ug/L	500
Bromomethane	74-83-9	100	ND	ug/L	1000
2-Butanone	78-93-3	100	ND	ug/L	10000
Carbon disulfide	75-15-0	100	ND	ug/L	10000
Carbon tetrachloride	56-23-5	100	ND	ug/L	500
Chlorobenzene	108-90-7	100	ND	ug/L	500
Chloroethane	75-00-3	100	ND	ug/L	1000
Chloroform	67-66-3	100	ND	ug/L	500
Chloromethane	74-87-3	100	ND	ug/L	1000
3-Chloropropylene	107-05-1	100	ND	ug/L	500
Dibromochloromethane	124-48-1	100	ND	ug/L	500
1,2-Dibromo-3-chloropropane	96-12-8	100	ND	ug/L	10000
1,2-Dibromoethane	106-93-4	100	ND	ug/L	500
Dibromomethane	74-95-3	100	ND	ug/L	500
trans-1,4-Dichloro-2-butene	110-57-6	100	ND	ug/L	500
Dichlorodifluoromethane	75-71-8	100	ND	ug/L	1000
1,1-Dichloroethane	75-34-3	100	ND	ug/L	500
1,2-Dichloroethane	107-06-2	100	ND	ug/L	500
1,1-Dichloroethene	75-35-4	100	ND	ug/L	500
trans-1,2-Dichloroethene	156-60-5	100	ND	ug/L	500
cis-1,2-Dichloroethene	156-59-2	100	ND	ug/L	500
1,2-Dichloropropane	78-87-5	100	ND	ug/L	500
cis-1,3-Dichloropropene	10061-01-5	100	ND	ug/L	500
trans-1,3-Dichloropropene	10061-02-6	100	ND	ug/L	500
1,4-Dioxane	123-91-1	100	ND	ug/L	10000
Ethylbenzene	100-41-4	100	ND	ug/L	500
Ethyl methacrylate	97-63-2	100	ND	ug/L	500
2-Hexanone	591-78-6	100	ND	ug/L	10000
Iodomethane	74-88-4	100	ND	ug/L	1000

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc... 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Methacrylonitrile	126-98-7	100	ND	ug/L	10000
Methylene chloride	75-09-2	100	ND	ug/L	500
Methyl methacrylate	80-62-6	100	ND	ug/L	5000
4-Methyl-2-pentanone	108-10-1	100	ND	ug/L	5000
Propionitrile	107-12-0	100	ND	ug/L	500
Styrene	100-42-5	100	ND	ug/L	500
1,1,1,2-Tetrachloroethane	630-20-6	100	ND	ug/L	500
1,1,2,2-Tetrachloroethane	79-34-5	100	ND	ug/L	500
Tetrachloroethene	127-18-4	100	ND	ug/L	500
Toluene	108-88-3	100	ND	ug/L	500
1,1,1-Trichloroethane	71-55-6	100	ND	ug/L	500
1,1,2-Trichloroethane	79-00-5	100	ND	ug/L	500
Trichloroethene	79-01-6	100	ND	ug/L	500
Trichlorofluoromethane	75-69-4	100	ND	ug/L	500
1,2,3-Trichloropropane	96-18-4	100	ND	ug/L	500
Vinyl acetate	108-05-4	100	ND	ug/L	1000
Vinyl chloride	75-01-4	100	ND	ug/L	200
Xylene (Total)	1330-20-7	100	30000	ug/L	500
Dibromofluoromethane	SURROGATE	100	101	%	
Toluene-d8	SURROGATE	100	94	%	
4-Bromofluorobenzene	SURROGATE	100	98	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Met. 8270 (APIX)					
Preparation Date: 30-DEC-96					
Analysis Date: 08-JAN-97 02:44					
Workgroup Number: WG9199					
Acenaphthene	83-32-9	1	ND	ug/L	5
Acenaphthylene	208-96-8	1	ND	ug/L	5
Acetophenone	98-86-2	1	ND	ug/L	5
2-Acetylaminofluorene	53-96-3	1	ND	ug/L	100
4-Aminobiphenyl	92-67-1	1	ND	ug/L	10
Aniline	62-53-3	1	ND	ug/L	5
Anthracene	120-12-7	1	ND	ug/L	5
Aramite	140-57-8	1	ND	ug/L	10
Benz(a)anthracene	56-55-3	1	ND	ug/L	5
Benzo(b)fluoranthene	205-99-2	1	ND	ug/L	5
Benzo(k)fluoranthene	207-08-9	1	ND	ug/L	5
Benzo(g,h,i)perylene	191-24-2	1	ND	ug/L	5
Benzo(a)pyrene	50-32-8	1	ND	ug/L	5
Benzyl alcohol	100-51-6	1	ND	ug/L	5
4-Bromophenyl phenyl ether	101-55-3	1	ND	ug/L	5
Butyl benzyl phthalate	85-68-7	1	ND	ug/L	5
2-sec-Butyl-4,6-dinitrophenol	88-85-7	1	ND	ug/L	10
4-Chloroaniline	106-47-8	1	ND	ug/L	5
Bis(2-chloroethoxy)methane	111-91-1	1	ND	ug/L	5
Bis(2-chloroethyl) ether	111-44-4	1	ND	ug/L	5
Bis(2-chloroisopropyl) ether	108-60-1	1	ND	ug/L	5
4-Chloro-3-methylphenol	59-50-7	1	ND	ug/L	5
2-Chloronaphthalene	91-58-7	1	ND	ug/L	5
2-Chlorophenol	95-57-8	1	ND	ug/L	5
4-Chlorophenyl phenyl ether	7005-72-3	1	ND	ug/L	5
Chrysene	218-01-9	1	ND	ug/L	5
Dibenz(a,h)anthracene	53-70-3	1	ND	ug/L	5
Dibenzofuran	132-64-9	1	ND	ug/L	5
1,3-Dichlorobenzene	541-73-1	1	ND	ug/L	5
1,4-Dichlorobenzene	106-46-7	1	ND	ug/L	5
1,2-Dichlorobenzene	95-50-1	1	ND	ug/L	5
Di-n-butyl phthalate	84-74-2	1	ND	ug/L	20
3,3'-Dichlorobenzidine	91-94-1	1	ND	ug/L	10
2,4-Dichlorophenol	120-83-2	1	ND	ug/L	5
2,6-Dichlorophenol	87-65-0	1	ND	ug/L	5
Diethyl phthalate	84-66-2	1	ND	ug/L	10

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc.... 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Dimethoate	60-51-5	1	ND	ug/L	10
p-Dimethylaminoazobenzene	60-11-7	1	ND	ug/L	5
7,12-Dimethylbenz(a)anthracene	57-97-6	1	ND	ug/L	5
3,3'-Dimethylbenzidine	119-93-7	1	ND	ug/L	10
a,a-Dimethylphenethylamine	122-09-8	1	ND	ug/L	100
2,4-Dimethylphenol	105-67-9	1	150	ug/L	5
Dimethyl phthalate	131-11-3	1	ND	ug/L	5
1,3-Dinitrobenzene	99-65-0	1	ND	ug/L	10
4,6-Dinitro-2-methylphenol	534-52-1	1	ND	ug/L	25
2,4-Dinitrophenol	51-28-5	1	ND	ug/L	25
2,4-Dinitrotoluene	121-14-2	1	ND	ug/L	5
2,6-Dinitrotoluene	606-20-2	1	ND	ug/L	5
Di-n-octyl phthalate	117-84-0	1	ND	ug/L	5
Diphenylamine	122-39-4	1	ND	ug/L	10
Disulfoton	298-04-4	1	ND	ug/L	10
bis(2-ethylhexyl) phthalate	117-81-7	1	ND	ug/L	5
Ethyl methanesulfonate	62-50-0	1	ND	ug/L	10
Famphur	52-85-7	1	ND	ug/L	10
Fluoranthene	206-44-0	1	ND	ug/L	5
Fluorene	86-73-7	1	ND	ug/L	5
Hexachlorobenzene	118-74-1	1	ND	ug/L	5
Hexachlorobutadiene	87-68-3	1	ND	ug/L	5
Hexachlorocyclopentadiene	77-47-4	1	ND	ug/L	5
Hexachloroethane	67-72-1	1	ND	ug/L	5
Hexachloropropene	1888-71-7	1	ND	ug/L	5
Hexachlorophene	70-30-4	1	ND	ug/L	100
Indeno(1,2,3-cd)pyrene	193-39-5	1	ND	ug/L	5
Isophorone	78-59-1	1	ND	ug/L	5
Isosafrole	120-58-1	1	ND	ug/L	20
Methapyrilene	91-80-5	1	ND	ug/L	10
3-Methylcholanthrene	56-49-5	1	ND	ug/L	5
Methyl methanesulfonate	66-27-3	1	ND	ug/L	5
2-Methylnaphthalene	91-57-6	1	99	ug/L	5
Methyl parathion	298-00-0	1	ND	ug/L	10
2-Methylphenol	95-48-7	1	14	ug/L	5
3&4-Methylphenol	NA	1	ND	ug/L	5
Naphthalene	91-20-3	1	82	ug/L	5
1,4-Naphthoquinone	130-15-4	1	ND	ug/L	10
1-Naphthylamine	134-32-7	1	ND	ug/L	5
2-Naphthylamine	91-59-8	1	ND	ug/L	5

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 - Data Summary Report
Prepared By: Hydrologic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
2-Nitroaniline	88-74-4	1	ND	ug/L	25
3-Nitroaniline	99-09-2	1	ND	ug/L	25
4-Nitroaniline	100-01-6	1	ND	ug/L	25
Nitrobenzene	98-95-3	1	ND	ug/L	5
2-Nitrophenol	88-75-5	1	ND	ug/L	5
4-Nitrophenol	100-02-7	1	ND	ug/L	25
N-Nitroso-di-n-butylamine	924-16-3	1	ND	ug/L	5
N-Nitrosodiethylamine	55-18-5	1	ND	ug/L	10
N-Nitrosodimethylamine	62-75-9	1	ND	ug/L	10
N-Nitrosodiphenylamine	86-30-6	1	ND	ug/L	25
N-Nitrosodipropylamine	621-64-7	1	ND	ug/L	5
N-Nitrosomethylethylamine	10595-95-6	1	ND	ug/L	10
N-Nitrosomorpholine	59-89-2	1	ND	ug/L	10
N-Nitrosopiperidine	100-75-4	1	ND	ug/L	10
N-Nitrosopyrrolidine	930-55-2	1	ND	ug/L	10
5-Nitro-o-toluidine	99-55-8	1	ND	ug/L	10
4-Nitroquinoline-n-oxide	56-57-5	1	ND	ug/L	100
Parathion	56-38-2	1	ND	ug/L	10
Pentachlorobenzene	608-93-5	1	ND	ug/L	5
Pentachloroethane	76-01-7	1	ND	ug/L	10
Pentachloronitrobenzene	82-68-8	1	ND	ug/L	10
Pentachlorophenol	87-86-5	1	ND	ug/L	25
Phenacetin	62-44-2	1	ND	ug/L	25
Phenanthrene	85-01-8	1	ND	ug/L	5
Phenol	108-95-2	1	ND	ug/L	5
p-Phenylenediamine	106-50-3	1	ND	ug/L	100
Phorate	298-02-2	1	ND	ug/L	10
2-Picoline	109-06-8	1	ND	ug/L	5
Pronamide	23950-58-5	1	ND	ug/L	5
Pyrene	129-00-0	1	ND	ug/L	5
Pyridine	110-86-1	1	ND	ug/L	10
Safrole	94-59-7	1	ND	ug/L	10
1,2,4,5-Tetrachlorobenzene	95-94-3	1	ND	ug/L	10
2,3,4,6-Tetrachlorophenol	58-90-2	1	ND	ug/L	5
o-Toluidine	95-53-4	1	ND	ug/L	10
1,2,4-Trichlorobenzene	120-82-1	1	ND	ug/L	5
2,4,5-Trichlorophenol	95-95-4	1	ND	ug/L	25
2,4,6-Trichlorophenol	88-06-2	1	ND	ug/L	5
1,3,5-Trinitrobenzene	99-35-4	1	ND	ug/L	10
Nitrobenzene-d5	SURROGATE	1	70	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
2-Fluorobiphenyl	SURROGATE	1	74	%	
p-Terphenyl-d14	SURROGATE	1	68	%	
Phenol-d6	SURROGATE	1	59	%	
2-Fluorophenol	SURROGATE	1	4	%	
2,4,6-Tribromophenol	SURROGATE	1	66	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc ... 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: R20 ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Methods 3520/8080					
Preparation Date: 30-DEC-96					
Analysis Date: 01-JAN-97 06:10					
Workgroup Number: WG9163					
Aldrin	309-00-2	1	ND	ug/L	.05
alpha-BHC	319-84-6	1	ND	ug/L	.05
beta-BHC	319-85-7	1	ND	ug/L	.05
delta-BHC	319-86-8	1	ND	ug/L	.05
gamma-BHC (Lindane)	58-89-9	1	ND	ug/L	.05
alpha-Chlordane	5103-71-9	1	ND	ug/L	.05
gamma-Chlordane	5103-74-2	1	ND	ug/L	.05
Chlorobenzilate	510-15-6	1	ND	ug/L	.1
4,4'-DDD	72-54-8	1	ND	ug/L	.1
4,4'-DDE	72-55-9	1	ND	ug/L	.1
4,4'-DDT	50-29-3	1	ND	ug/L	.1
Diallate	60-57-1	1	ND	ug/L	1
Dieldrin	60-57-1	1	ND	ug/L	.1
Endosulfan I	959-98-8	1	ND	ug/L	.05
Endosulfan II	33213-65-9	1	ND	ug/L	.1
Endosulfan sulfate	1031-07-8	1	ND	ug/L	.1
Endrin	72-20-8	1	ND	ug/L	.1
Endrin aldehyde	7421-93-4	1	ND	ug/L	.1
Heptachlor	76-44-8	1	ND	ug/L	.05
Heptachlor epoxide	1024-57-3	1	ND	ug/L	.05
Isodrin	465-73-6	1	ND	ug/L	.1
Kepone	143-50-0	1	ND	ug/L	1
Methoxychlor	72-43-5	1	ND	ug/L	.5
Toxaphene	8001-35-2	1	ND	ug/L	2.4
Aroclor-1016	12674-11-2	1	ND	ug/L	.5
Aroclor-1221	11104-28-2	1	ND	ug/L	.5
Aroclor-1232	11141-16-5	1	ND	ug/L	.5
Aroclor-1242	53469-21-9	1	ND	ug/L	.5
Aroclor-1248	12672-29-6	1	ND	ug/L	.5
Aroclor-1254	11097-69-1	1	ND	ug/L	1
Aroclor-1260	11096-82-5	1	ND	ug/L	1
Tetrachloro-m-xylene	SURROGATE	1	95	%	
Decachlorobiphenyl	SURROGATE	1	98	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc ... 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Met. 8150 (APIX)					
Preparation Date: 30-DEC-96					
Analysis Date: 08-JAN-97 09:09					
Workgroup Number: WG9178					
2,4-D	94-75-7	1	ND	ug/L	1
2,4,5-T	93-76-5	1	ND	ug/L	.1
2,4,5-TP (Silvex)	93-72-1	1	ND	ug/L	.1
DCAA	SURROGATE	1	174	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. . 1 - Data Summary Report
Prepared By: Hydrologic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Met. 6010 (APIX)					
Preparation Date: 06-JAN-97					
Analysis Date: 07-JAN-97 20:09					
Workgroup Number: WG9293					
Barium	7440-39-3	1	.0442	mg/L	.02
Beryllium	7440-41-7	1	ND	mg/L	.004
Cadmium	7440-43-9	1	ND	mg/L	.005
Chromium	7440-47-3	1	.014	mg/L	.01
Cobalt	7440-48-4	1	ND	mg/L	.05
Copper	7440-50-8	1	ND	mg/L	.01
Nickel	7440-02-0	1	ND	mg/L	.02
Silver	7440-22-4	1	ND	mg/L	.01
Tin	7440-31-5	1	ND	mg/L	.1
Vanadium	7440-62-2	1	ND	mg/L	.05
Zinc	7440-66-6	1	.0381	mg/L	.02

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19
Project Number: 1715.4066
Sample ID: L3928-3
Site / Project ID: H2O ENVIRONMENTAL
Run ID: R5872
Collection Date: 23-DEC-96
Received Date: 28-DEC-96
Report Date: 08-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 7060					
Analysis Date: 07-JAN-97 10:25					
Workgroup Number: WG9295					
Arsenic	7440-38-2	1	.021	mg/L	.005
SW846 Method 7470					
Analysis Date: 31-DEC-96 16:21					
Workgroup Number: WG9215					
Mercury	7439-97-6	1	ND	mg/L	.0002
SW846 Method 7421					
Analysis Date: 07-JAN-97 10:33					
Workgroup Number: WG9294					
Lead	7439-92-1	1	.0065	mg/L	.003
SW846 Method 7041					
Analysis Date: 07-JAN-97 14:52					
Workgroup Number: WG9317					
Antimony	7440-36-0	1	ND	mg/L	.006
SW846 Method 7740					
Analysis Date: 07-JAN-97 11:59					
Workgroup Number: WG9296					
Selenium	7782-49-2	1	ND	mg/L	.005
SW846 Method 7841					
Analysis Date: 07-JAN-97 17:26					
Workgroup Number: WG9297					
Thallium	7440-26-0	1	ND	mg/L	.005

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

HYDROLOGIC, INC.

January 9, 1997

REPORTING:

H 2 O Environmental
130 Centrum
3B
Irmo, SC 29063

INVOICING:

H 2 O Environmental
130 Centrum
3B
Irmo, SC 29063

PROJECT NUMBER: FL9620763S

DATE COMPLETED: January 9, 1997
DATE RECEIVED: December 24, 1996

PROJECT DESCRIPTION:

1715.4066--15 water and 5 soil samples were received and analyzed for the following tests: 20 8260-BTEX + MTBE + Naphthalene, 20 8270-PAH, 1 3550/5030-TPH.

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to **contact Jack Hale Jr. at 1-800-728-2251.** We appreciate your business and look forward to serving you again soon.

Respectfully,

Walter Hogg
QA/QC Officer

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8216 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620763
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-5
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	01/03/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	5.0	90.8
Toluene	108-88-3	5.0	BDL
Ethylbenzene	100-41-4	5.0	5.00
Xylenes (Total)	1330-20-7	5.0	17.0
Naphthalene	91-20-3	5.0	51.3
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			81%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620763
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-5
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 12/30/97
DATE/TIME ANALYZED: 01/02/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			112%
Nitrobenzene	98-95-3		88%
p-Terphenyl			100%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620764
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-6
DATE SAMPLED: 12/23/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 01/03/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	5.0	598
Toluene	108-88-3	5.0	5.09
Ethylbenzene	100-41-4	5.0	121
Xylenes (Total)	1330-20-7	5.0	409
Naphthalene	91-20-3	5.0	587
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			82%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620764
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-6
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 01/02/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			80%
Nitrobenzene	98-95-3		94%
p-Terphenyl			111%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620765
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-7
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	5.0	12.4
Toluene	108-88-3	5.0	BDL
Ethylbenzene	100-41-4	5.0	BDL
Xylenes (Total)	1330-20-7	5.0	BDL
Naphthalene	91-20-3	5.0	BDL
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			84%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620765
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-7
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 01/02/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			90%
Nitrobenzene	98-95-3		84%
p-Terphenyl			96%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620766
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-8
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	5.0	BDL
Toluene	108-88-3	5.0	BDL
Ethylbenzene	100-41-4	5.0	BDL
Xylenes (Total)	1330-20-7	5.0	BDL
Naphthalene	91-20-3	5.0	BDL
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			87%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620766
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-8
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 01/02/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			88%
Nitrobenzene	98-95-3		116%
p-Terphenyl			89%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620767
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-9
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	20.0	490
Toluene	108-88-3	20.0	1030
Ethylbenzene	100-41-4	20.0	900
Xylenes (Total)	1330-20-7	20.0	2920
Naphthalene	91-20-3	20.0	480
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			85%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620767
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-9
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			65%
Nitrobenzene	98-95-3		99%
p-Terphenyl			92%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620768
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-10
DATE SAMPLED: 12/23/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	5.0	26.4
Toluene	108-88-3	5.0	9.96
Ethylbenzene	100-41-4	5.0	266
Xylenes (Total)	1330-20-7	5.0	1710
Naphthalene	91-20-3	5.0	35.4
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			91%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620768
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-10
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			94%
Nitrobenzene	98-95-3		85%
p-Terphenyl			89%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620769
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-12
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	5.0	BDL
Toluene	108-88-3	5.0	BDL
Ethylbenzene	100-41-4	5.0	BDL
Xylenes (Total)	1330-20-7	5.0	BDL
Naphthalene	91-20-3	5.0	BDL
MTBE		40.0	76.3
Surrogate Recovery:			
BFB			88%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620769
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-12
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			102%
Nitrobenzene	98-95-3		86%
p-Terphenyl			82%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502.223.0051 FAX: 502.875.6016 ; TOLL FREE 800.728.0051

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620770
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-13
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	5.0	32.1
Toluene	108-88-3	5.0	BDL
Ethylbenzene	100-41-4	5.0	16.5
Xylenes (Total)	1330-20-7	5.0	142
Naphthalene	91-20-3	5.0	BDL
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			91%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620770
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-13
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			104%
Nitrobenzene	98-95-3		114%
p-Terphenyl			82%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620771
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-14
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	20.0	486
Toluene	108-88-3	20.0	610
Ethylbenzene	100-41-4	20.0	408
Xylenes (Total)	1330-20-7	20.0	1300
Naphthalene	91-20-3	20.0	BDL
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			78%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620771
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-14
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			94%
Nitrobenzene	98-95-3		89%
p-Terphenyl			96%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620772
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-15
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	20.0	220
Toluene	108-88-3	20.0	11200
Ethylbenzene	100-41-4	20.0	368
Xylenes (Total)	1330-20-7	20.0	31700
Naphthalene	91-20-3	20.0	BDL
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			81%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620772
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-15
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			128%
Nitrobenzene	98-95-3		124%
p-Terphenyl			107%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620773
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-16
DATE SAMPLED: 12/23/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	5.0	774
Toluene	108-88-3	5.0	499
Ethylbenzene	100-41-4	5.0	1190
Xylenes (Total)	1330-20-7	5.0	11600
Naphthalene	91-20-3	5.0	737
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			77%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620773
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-16
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			80%
Nitrobenzene	98-95-3		93%
p-Terphenyl			79%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620774
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-18
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/31/96

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	**71-43-2**	**5.0**	**293**
Toluene	**108-88-3**	**5.0**	**1190**
Ethylbenzene	**100-41-4**	**5.0**	**25.7**
Xylenes (Total)	**1330-20-7**	**5.0**	**88800**
Naphthalene	91-20-3	5.0	BDL
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			76%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620774
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-18
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			130%
Nitrobenzene	98-95-3		106%
p-Terphenyl			64%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620775
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-20
DATE SAMPLED: 12/23/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 01/06/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	10.0	BDL
Toluene	108-88-3	10.0	BDL
Ethylbenzene	100-41-4	10.0	BDL
Xylenes (Total)	**1330-20-7**	**10.0**	**2080**
Naphthalene	91-20-3	10.0	BDL
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			91%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620775
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-20
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			106%
Nitrobenzene	98-95-3		107%
p-Terphenyl			57%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620776
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-21
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	01/03/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	50.0	325
Toluene	108-88-3	50.0	90.0
Ethylbenzene	100-41-4	50.0	965
Xylenes (Total)	1330-20-7	50.0	3210
Naphthalene	91-20-3	50.0	BDL
MTBE		50.0	BDL
Surrogate Recovery:			
BFB			86%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT KY 40601

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620776
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-21
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 01/03/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			65%
Nitrobenzene	98-95-3		118%
p-Terphenyl			118%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620777
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-1
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	01/07/97
DATE/TIME ANALYZED:	01/07/97

METHOD PAH 8270 BN

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzo(a)anthracene	56-55-3	660	736
Benzo(b)fluoranthene	205-99-2	660	1080
Benzo(k)fluoranthene	207-08-9	660	1240
Chrysene	218-01-9	660	BDL
Dibenzo(a,h)anthracene	53-70-3	660	BDL
Surrogate Recoveries:			
Nitrobenzene	98-95-3		56%
2-Fluorobiphenyl			64%
p-Terphenyl			354%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620777
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-1
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	01/03/97
DATE/TIME ANALYZED:	01/04/97 01/02/97

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		100	2850
Surrogate Recoveries:			
Nonane			96%
Pentacosane			75%
Gasoline		500	1653
Surrogate Recovery:			
BFB			116%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620777
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-1
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	01/03/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	100	BDL
Toluene	108-88-3	100	687
Ethylbenzene	100-41-4	100	539
Xylenes (Total)	1330-20-7	100	627000
Naphthalene	91-20-3	100	18000
Surrogate Recovery:			
BFB			117%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620778
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: SP-2
DATE SAMPLED: 12/23/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 01/03/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	100	BDL
Toluene	108-88-3	100	1030
Ethylbenzene	100-41-4	100	3620
Xylenes (Total)	1330-20-7	100	637000
Naphthalene	91-20-3	100	7760

Surrogate Recovery:
BFB 114%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620778
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-2
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	01/07/97
DATE/TIME ANALYZED:	01/07/97

METHOD PAH 8270 BN

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzo(a)anthracene	56-55-3	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Chrysene	218-01-9	660	BDL
Dibenzo(a,h)anthracene	53-70-3	660	BDL
Surrogate Recoveries:			
Nitrobenzene	98-95-3		114%
2-Fluorobiphenyl			64%
p-Terphenyl			98%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502.223.2071 FAX: 502.875.2216 / TOLL FREE 800.708.2051

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620779
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-3
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	01/03/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	100	BDL
Toluene	108-88-3	100	BDL
Ethylbenzene	100-41-4	100	348
Xylenes (Total)	1330-20-7	100	67000
Naphthalene	91-20-3	100	BDL
Surrogate Recovery:			
BFB			135%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620779
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-3
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	01/07/97
DATE/TIME ANALYZED:	01/07/97

METHOD PAH 8270 BN

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzo(a)anthracene	56-55-3	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Chrysene	218-01-9	660	BDL
Dibenzo(a,h)anthracene	53-70-3	660	BDL
Surrogate Recoveries:			
Nitrobenzene	98-95-3		108%
2-Fluorobiphenyl			52%
p-Terphenyl			118%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620780
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-4
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	01/03/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	200	BDL
Toluene	108-88-3	200	BDL
Ethylbenzene	100-41-4	200	572
Xylenes (Total)	1330-20-7	200	73700
Naphthalene	91-20-3	200	8400
Surrogate Recovery:			
BFB			129%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620780
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-4
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	01/07/97
DATE/TIME ANALYZED:	01/08/97

METHOD PAH 8270 BN

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzo(a)anthracene	56-55-3	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Chrysene	218-01-9	660	BDL
Dibenzo(a,h)anthracene	53-70-3	660	BDL
Surrogate Recoveries:			
Nitrobenzene	98-95-3		102%
2-Fluorobiphenyl			60%
p-Terphenyl			184%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620763S
HYDROLOGIC SAMPLE NUMBER:	9620781
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	SP-5
DATE SAMPLED:	12/23/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	01/03/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	200	BDL
Toluene	108-88-3	200	468
Ethylbenzene	100-41-4	200	1370
Xylenes (Total)	1330-20-7	200	46100
Naphthalene	91-20-3	200	11400
Surrogate Recovery:			
BFB			123%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620781
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: SP-5
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 01/07/97
DATE/TIME ANALYZED: 01/08/97

METHOD PAH 8270 BN

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzo(a)anthracene	56-55-3	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Chrysene	218-01-9	660	BDL
Dibenzo(a,h)anthracene	53-70-3	660	BDL
Surrogate Recoveries:			
Nitrobenzene	98-95-3		100%
2-Fluorobiphenyl			60%
p-Terphenyl			126%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620782
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-22
DATE SAMPLED: 12/23/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 01/03/97

METHOD BTEX by 8260

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	5.0	BDL
Toluene	108-88-3	5.0	7.33
Ethylbenzene	100-41-4	5.0	BDL
Xylenes (Total)	1330-20-7	5.0	89.4
Naphthalene	91-20-3	5.0	BDL
MTBE		40.0	BDL
Surrogate Recovery:			
BFB			85%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620763S
HYDROLOGIC SAMPLE NUMBER: 9620782
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-22
DATE SAMPLED: 12/23/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 01/01/97

METHOD PAH-8270

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzo(a)anthracene	56-55-3	10.0	BDL
Benzo(b)fluoranthene	205-99-2	10.0	BDL
Benzo(k)fluoranthene	207-08-9	10.0	BDL
Chrysene	218-01-9	10.0	BDL
Dibenzo(a,h)anthracene	53-70-3	10.0	BDL
Surrogate Recovery:			
2-Fluorobiphenyl			78%
Nitrobenzene	98-95-3		70%
p-Terphenyl			68%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601

HYDROLOGIC, INC. FL9020763(S)

Chain of Custody Record

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ I-85 S Bldg. 2848, Charlotte, NC 28208, (704) 392-1164, FAX (704) 392-9073
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 695 N Seventh Ave, Brighton, CO. 80601, (303) 659-0497, FAX (303) 659-5064

Client: H2O Environmental
Report Address: 130 Centurion Dr. Suite 38, Irmo, SC 29063
Attn: Joe Ferry
Phone No.: 803-749-4080
Fax No.: 803-749-9911

Project No.: 1715.4066
Invoice Address:
Attn: Joe Ferry
Sampled By: JF/JK/CP
P.O. No: —
State Samples Collected: SC

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours
☒ 5 Days ☐ 10 Days Date Needed:

REQUESTED PARAMETERS: BTEX/MTBE/NAPH (602) (8260); PAH (8270) (610)

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Containers	602	610									← Preserv.	REMARKS
MW-5	12/23/96	1320	G	W	3	x	x										
MW-6	12/23/96	1340	G	W	3	x	x										
MW-7	12/23/96	1400	G	W	3	x	x										
MW-8	12/23/96	1410	G	W	3	x	x										
MW-9	12/23/96	1420	G	W	3	x	x										
MW-10	12/23/96	1430	G	W	3	x	x										
MW-12	12/23/96	1440	G	W	3	x	x										
MW-13	12/23/96	1450	G	W	3	x	x										
MW-14	12/23/96	1500	G	W	3	x	x										
MW-15	12/23/96	1510	G	W	3	x	x										

Lab Use Only — Custody Seal: ☐ Yes ☐ No ☐ N/A

Recorded Init Lab Temp. — Rec. Lab Temp

COMMENTS: Charleston S. Terminal

Relinquished By:	Date	Time	Received By:	Date	Time
RPS Pinelli	12/24		S. Baker	12/24/96	12:30
Relinquished By:	Date	Time	Received By:	Date	Time
			Emily Cameron Jone	12/24/96	10
Relinquished By: Emily Cameron Jone	12/27/96	5	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

Lab Use Only

HYDROLOGIC, INC. HL46020 76 (3)

Chain of Custody Record

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ I-85 S Bldg. 2848, Charlotte, NC 28208, (704) 392-1164, FAX (704) 392-9073
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 695 N Seventh Ave, Brighton, CO. 80601, (303) 659-0497, FAX (303) 659-5064

Client: HLO Environmental, Inc.
Report Address: 170 EXECUTIVE PK. SUITE 3B, IRMO, SC 29063
Attn: Joe Fury
Phone No.: 803-749-4050
Fax No.: 803-749-6911

Project No.: 1715.4066
Invoice Address:
Attn: Joe Fury
Sampled By: JF/JK/CP
P.O. No: –
State Samples Collected: SC

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours
☒ 5 Days ☐ 10 Days Date Needed:

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Containers	BTEX/MTBE/NAPH (8260) (602)	PAH (8270) (610)	Appendix 9	TPH (Gas) TPH (Diesel) (5030-13370)	BTEX/MTBE (8260)	PAH (8270)					← Preserv.	REMARKS
MW-16	12/23/96	1520	G	W	3	x	x										
MW-18	12/23/96	1530	G	W	3	x	x										
MW-20	12/23/96	1540	G	W	3	x	x										
MW-21	12/23/96	1550	G	W	3	x	x										
MW-22	12/23/96	1600	G	W	3	x	x										
MW-11	12/23/96	1610	G	W	12			x									
MW-17	12/23/96	1620	G	W	12			x									
MW-19	12/23/96	1630	G	W	12			x									
SP-1	12/23/96	1635	C	S	2				x	x	x						
SP-2	12/23/96	1640	C	S	2				x	x	x						

Lab Use Only — Custody Seal: ☐ Yes ☐ No ☐ N/A — Rec. on Ice — Init. Lab Temp. — Rec. Lab Temp

COMMENTS: Charleston S. Terminal

Relinquished By:	Date	Time	Received By:	Date	Time
Chris Pinelli	12/24		Shu Baker	12/24/96	12:30
Relinquished By:	Date	Time	Received By:	Date	Time
			Emily Bameen Fore	12/27/96	10
Relinquished By:	Date	Time	Received By:	Date	Time
Emily Bameen Fore	12/27/96	5			
Relinquished By:	Date	Time	Received By:	Date	Time

Lab Use Only — Month Vials (1-13) Rec'd Broken

Chain of Custody Record

HYDROLOGIC, INC. L96620763(3)

Page 3 of 3

☐ 122 Lyman Street Asheville, NC 28801 (704)254-5169 FAX (704) 252-9711	☐ 410 New Salem Highway #106 Murfreesboro, TN 37129 (615) 848-6810 FAX (615) 848-6805	☐ 1491 Twilight Trail Frankfort, KY 40601 (502) 223-0251 FAX (502) 875-8016	☐ 2003 North Pine Street Lumberton, NC 28358 (910) 738-6190 FAX (910) 671-8837	☐ I-85 S Bldg. 2848 Charlotte, NC 28208 (704) 392-1164 FAX (704) 392-9073	☐ 2500 Gateway Centre Morrisville, NC 27560 (919) 380-9699 FAX (919) 380-9717	☐ 4875 Riverside Drive Macon, GA 31210 (912) 757-0811 FAX (912) 757-0149	☐ 695 N Seventh Ave Brighton, CO. 80601 (303) 659-0497 FAX (303) 659-5064

Client: H&O Environmental
Report Address: 136 CENTRUM DR, SUITE 3B, Irmo, SC 29063
Attn: Joe Ferry
Phone No.: 803-749-9038
Fax No.: 803-749-9911

Project No.: 1715.4066
Invoice Address:
Attn: Joe Ferry
Sampled By: JF/JK/CM
P.O. No: --
State Samples Collected: SC

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours
☒ 5 Days ☐ 10 Days Date Needed: _____

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Containers	TPH (Gas), TPH (Diesel) (5030/3550)	PAH (8270)	BTEX/MTBE (8260)								← Preserv.	REMARKS
SP-3	12/23/96	1645	C	S	2	x	x	x									
SP-4	12/23/96	1650	C	S	2	x	x	x									
SP-5	12/23/96	1655	C	S	2	x	x	x									

Lab Use Only Custody Seal: ☐ Yes ☐ No ☐ N/A

Rec. on Ice Init Lab Temp: [illegible] Rec. on Ice Rec. Lab Temp: [illegible]

COMMENTS: Charleston S. Terminal

Relinquished By	Date	Time	Received By	Date	Time
[illegible] PINELLI	12/24		S. Baker	12/24/96	12:30
Relinquished By:	Date	Time	Received By: Emily Rameen Jone	12/25/96	10 am
Emily Rameen Jone	12/27/96	5 pm	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

Lab Use Only

Jan 07, 1997

HydroLogic
Mr. Ben Esterle
1491 Twilight Trail
Frankfort, KY 40601

Dear Mr. Esterle,

Please find enclosed the report for 12 samples received at HydroLogic Laboratories, Inc. on 31 Dec 1996 for your project number, H2O. The report reference is L3936.

If you have any questions, please call (303) 659-0497.

Sincerely,

Bob Cathel
Project Manager

Sample Cross Reference Table

Company Name: HydroLogic

HydroLogic Login Number: L3936

HydroLogic Sample Number	Client Sample Identification	Sample Date/Time
L3936-1	MW-5 @ 2'	26 Dec 96 00:00
L3936-2	MW-11 @ 2'	26 Dec 96 00:00
L3936-3	MW-16 @ 2'	26 Dec 96 00:00
L3936-4	MW-21 @ 4'	26 Dec 96 00:00
L3936-5	MW-19 @ 6'	26 Dec 96 00:00
L3936-6	MW-17 @ 4'	26 Dec 96 00:00
L3936-7	MW-14 @ 6'	26 Dec 96 00:00
L3936-8	MW-10 @ 7'	26 Dec 96 00:00
L3936-9	MW-9 @ 4'	26 Dec 96 00:00
L3936-10	MW-13 @ 6'	20 Dec 96 00:00
L3936-11	PZ-1 @ 4'	21 Dec 96 00:00
L3936-12	PZ-2 @ 2'	21 Dec 96 00:00

DATE AND TIME SUMMARY

Company Name: HydroLogic
Project: H2O

HydroLogic Login Number: L3936

METHOD	COLLECTED	PREPARED	ANALYZED
SAMPLE NUMBER: L3936-1	**CLIENT ID:** MW-5 @ 2'		**MATRIX:** Soil
SW846 8015M	12/26/96 00:00	01/02/97	01/02/97 22:57
SW846 8015M	12/26/96 00:00	01/02/97	01/03/97 14:07
SW-846, 8020	12/26/96 00:00	01/02/97	01/02/96 22:57
SAMPLE NUMBER: L3936-2	**CLIENT ID:** MW-11 @ 2'		**MATRIX:** Soil
SW846 8015M	12/26/96 00:00	01/03/97	01/03/97 10:21
SW846 8015M	12/26/96 00:00	01/02/97	01/03/97 14:40
SW-846, 8020	12/26/96 00:00	01/03/97	01/03/97 10:21
SAMPLE NUMBER: L3936-3	**CLIENT ID:** MW-16 @ 2'		**MATRIX:** Soil
SW846 8015M	12/26/96 00:00	01/03/97	01/03/97 10:50
SW846 8015M	12/26/96 00:00	01/02/97	01/03/97 15:13
SW-846, 8020	12/26/96 00:00	01/03/97	01/03/97 10:50
SAMPLE NUMBER: L3936-4	**CLIENT ID:** MW-21 @ 4'		**MATRIX:** Soil
SW846 8015M	12/26/96 00:00	01/03/97	01/03/97 11:20
SW846 8015M	12/26/96 00:00	01/02/97	01/03/97 15:46
SW-846, 8020	12/26/96 00:00	01/03/97	01/03/97 11:20
SAMPLE NUMBER: L3936-5	**CLIENT ID:** MW-19 @ 6'		**MATRIX:** Soil
SW846 8015M	12/26/96 00:00	01/03/97	01/03/97 15:03
SW846 8015M	12/26/96 00:00	01/02/97	01/03/97 16:19
SW8260-MED	12/26/96 00:00	01/03/97	01/03/97 20:18
SW-846, 8020	12/26/96 00:00	01/04/97	01/04/97 10:57
MCAWW 415.1	12/26/96 00:00	01/03/97	01/03/97 09:00
SAMPLE NUMBER: L3936-6	**CLIENT ID:** MW-17 @ 4'		**MATRIX:** Soil
SW846 8015M	12/26/96 00:00	01/03/97	01/03/96 02:46
SW846 8015M	12/26/96 00:00	01/02/97	01/03/97 16:52
SW8260-MED	12/26/96 00:00	01/03/97	01/03/97 20:59
SW-846, 8020	12/26/96 00:00	01/04/97	01/04/97 11:27
MCAWW 415.1	12/26/96 00:00	01/03/97	01/03/97 09:00
SAMPLE NUMBER: L3936-7	**CLIENT ID:** MW-14 @ 6'		**MATRIX:** Soil
SW846 8015M	12/26/96 00:00	01/03/97	01/03/97 12:14
SW846 8015M	12/26/96 00:00	01/02/97	01/03/97 17:56
SW-846, 8020	12/26/96 00:00	01/03/97	01/03/97 12:14

DATE AND TIME SUMMARY

Company Name: HydroLogic
Project: H2O

HydroLogic Login Number: L3936

METHOD	COLLECTED	PREPARED	ANALYZED
SAMPLE NUMBER: L3936-8	**CLIENT ID:** MW-10 @ 7'		**MATRIX:** Soil
SW846 8015M	12/26/96 00:00	01/04/97	01/04/97 11:57
SW846 8015M	12/26/96 00:00	01/02/97	01/03/97 17:59
SW-846, 8020	12/26/96 00:00	01/04/97	01/04/97 11:57
SAMPLE NUMBER: L3936-9	**CLIENT ID:** MW-9 @ 4'		**MATRIX:** Soil
SW846 8015M	12/26/96 00:00	01/03/97	01/03/97 10:29
SW846 8015M	12/26/96 00:00	01/02/07	01/03/97 18:32
SW-846, 8020	12/26/96 00:00	01/03/97	01/03/97 10:29
SAMPLE NUMBER: L3936-10	**CLIENT ID:** MW-13 @ 6'		**MATRIX:** Soil
SW846 8015M	12/20/96 00:00	01/03/97	01/03/97 11:11
SW846 8015M	12/20/96 00:00	01/02/97	01/03/97 20:12
SW-846, 8020	12/20/96 00:00	01/03/97	01/03/97 11:11
SAMPLE NUMBER: L3936-11	**CLIENT ID:** PZ-1 @ 4'		**MATRIX:** Soil
SW846 8015M	12/21/96 00:00	01/03/97	01/03/97 13:42
SW846 8015M	12/21/96 00:00	01/02/97	01/03/97 20:45
SW-846, 8020	12/21/96 00:00	01/03/97	01/03/97 13:42
SAMPLE NUMBER: L3936-12	**CLIENT ID:** PZ-2 @ 2'		**MATRIX:** Soil
SW846 8015M	12/21/96 00:00	01/03/97	01/03/97 12:34
SW846 8015M	12/21/96 00:00	01/02/97	01/03/97 21:18
SW-846, 8020	12/21/96 00:00	01/03/97	01/03/97 12:34

Chain of Custody Record

[illegible] INC.

Page [illegible]

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5100, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ I-85 S Bldg. 2848, Charlotte, NC 28208, (704) 392-1164, FAX (704) 392-9073
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 695 N Seventh Ave, Brighton, CO 80601, (303) 659-0197, FAX (303) 659-5061

Client: H_2O

Project No.: Clines & Tenn

Report Address:

Invoice Address:

Attn:

Attn:

Phone No.:

Sampled By:

Fax No.:

P.O. No:

State Samples Collected

TURNAROUND TIME

24 Hours ☐ 48 Hours

☐ 5 Days ☐ 10 Days Date Needed:

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/ Grab	Matrix	Containers	TPH-G	TPH-D	BTEX MTBE	TOC	VOH-(8010)+EDB							← Preserv.	REMARKS
MW-5 @ 2'	12/20/96		G	G	2	X	X											
MW-11 @ 2'					2	X	X											
MW-16 @ 2'					2	X	X											
MW-21 @ 4'					2	X	X											
MW-19 @ 6'					3	X	X	X	X									
MW-17 @ 4'					3	X	X	X	X									
MW-14 @ 6'					2	X	X											
MW-10 @ 7'					2	X	X											
~~MW-19 @ 4'~~					—	X	X											
MW-9 @ 4'					2	X	X											
						K	K	D	K									

Lab Use Only **Custody Seal:** ☐ Yes ☐ No ☐ N/A

Billing

Rec. on ice — Init Lab Temp — Rec. Lab Temp

COMMENTS:

Relinquished By:	Date	Time	Received By:	Date	Time
[illegible]	12/23		[illegible]	12/23/96	9:00
[illegible]	12/23/96	5:00	[illegible]	12/24/96	10:00
[illegible]	12-30-96	1730	[illegible]	12-31-96	1100
Relinquished By:	Date	Time	Received By:	Date	Time

Lab Use Only:

Chain of Custody Record

☐ 122 Lyman Street Asheville, NC 28801 (704)254-5169 FAX (704) 252-9711	☐ 410 New Salem Highway #106 Murfreesboro, TN 37129 (615) 848-6810 FAX (615) 848-6805	☐ 1491 Twilight Trail Frankfort, KY 40601 (502) 223 0251 FAX (502) 875-8016	☐ 2003 North Pine Street Lumberton, NC 28358 (910) 738-6190 FAX (910) 671-8837	☐ I-85 S Bldg. 2848 Charlotte, NC 28208 (704) 392-1164 FAX (704) 392-9073	☐ 2500 Gateway Centre Morrisville, NC 27560 (919) 380-9699 FAX (919) 380-9717	☐ 4875 Riverside Drive Macon, GA 31210 (912) 757 0811 FAX (912) 757-0149	☐ 695 N Seventh Ave Brighton, CO 80601 (303) 659-0397 FAX (303) 659 5061

Client: H2O

Project No.: CHARKSTERM

Report Address:

Invoice Address:

Attn:

Attn:

Phone No.:

Sampled By:

Fax No.:

P.O. No:

State Samples Collected

TURNAROUND TIME

☐ 24 Hours ☐ 48 Hours

☒ 5 Days ☐ 10 Days Date Needed:

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/ Grab	Matrix	Containers	TPHG/TPHD	BTEX/MTBE	TOC									← Preserv.	REMARKS
MW-13 @ 6'	12/20/96		G	S	2	X	X											
PZ-1 @ 4'	12/21/96		↓	↓	2	X	X											
PZ-2 @ 2'	12/21/96		↓	↓	2	X	X											
						K	K											

Lab Use Only Custody Seal: ☐ Yes ☐ No ☐ N/A

Init Lab Temp: REC-ON ICE

Rec. Lab Temp

COMMENTS:

Relinquished By:	Date	Time	Received By:	Date	Time
Jack Pitelli	12/23			12/23/96	5:00
	12/23/96	5:00	Emily Bramlett Jane	12/24/96	10
Jack Walsh Jr	12-30-96	1730		12-31-96	1100
	Date	Time		Date	Time

Lab Use Only:

FINAL

RESULTS

1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-5 @ 2'
Project Number: H20
Sample ID: L3936-1
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 02-JAN-97					
Analysis Date: 02-JAN-96 22:57					
Workgroup Number: WG9275					
Benzene	71-43-2	250	403	ug/Kg	250
Ethylbenzene	100-41-4	250	2930	ug/Kg	250
Methyl tert-butyl ether	1634-04-4	250	ND	ug/Kg	250
Toluene	108-88-3	250	414	ug/Kg	250
(m,p)-Xylene	108-38-3	250	2170	ug/Kg	500
o-Xylene	95-47-6	250	393	ug/Kg	250
4-Bromofluorobenzene	SURROGATE	1	307	%	
SW846 Method 5030/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 02-JAN-97 22:57					
Workgroup Number: WG9278					
GRO	N/A	250	2090	mg/Kg	25
Bromofluorobenzene	SURROGATE	1	307	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 14:07					
Workgroup Number: WG9229					
DRO	N/A	1	8750	mg/Kg	500

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

1 . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-11 @ 2'
Project Number: H20
Sample ID: L3936-2
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 10:21					
Workgroup Number: WG9275					
Benzene	71-43-2	250	ND	ug/Kg	250
Ethylbenzene	100-41-4	250	446	ug/Kg	250
Methyl tert-butyl ether	1634-04-4	250	325	ug/Kg	250
Toluene	108-88-3	250	ND	ug/Kg	250
(m,p)-Xylene	108-38-3	250	1930	ug/Kg	500
o-Xylene	95-47-6	250	652	ug/Kg	250
4-Bromofluorobenzene	SURROGATE	1	112	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 10:21					
Workgroup Number: WG9278					
GRO	N/A	250	237	mg/Kg	25
Bromofluorobenzene	SURROGATE	1	112	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 14:40					
Workgroup Number: WG9229					
DRO	N/A	1	1340	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-16 @ 2'
Project Number: H2O
Sample ID: L3936-3
Site / Project ID: H2O
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 10:50					
Workgroup Number: WG9275					
Benzene	71-43-2	500	910	ug/Kg	500
Ethylbenzene	100-41-4	500	25700	ug/Kg	500
Methyl tert-butyl ether	1634-04-4	500	ND	ug/Kg	500
Toluene	108-88-3	500	1370	ug/Kg	500
(m,p)-Xylene	108-38-3	500	59200	ug/Kg	1000
o-Xylene	95-47-6	500	6540	ug/Kg	500
4-Bromofluorobenzene	SURROGATE	1	180	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 10:50					
Workgroup Number: WG9278					
GRO	N/A	500	2450	mg/Kg	50
Bromofluorobenzene	SURROGATE	1	180	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 15:13					
Workgroup Number: WG9229					
DRO	N/A	1	5750	mg/Kg	500

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

I . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-21 @ 4'
Project Number: H20
Sample ID: L3936-4
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 11:20					
Workgroup Number: WG9275					
Benzene	71-43-2	500	992	ug/Kg	500
Ethylbenzene	100-41-4	500	33600	ug/Kg	500
Methyl tert-butyl ether	1634-04-4	500	771	ug/Kg	500
Toluene	108-88-3	500	729	ug/Kg	500
(m,p)-Xylene	108-38-3	500	18000	ug/Kg	1000
o-Xylene	95-47-6	500	1950	ug/Kg	500
4-Bromofluorobenzene	SURROGATE	1	195	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 11:20					
Workgroup Number: WG9278					
GRO	N/A	500	4960	mg/Kg	50
Bromofluorobenzene	SURROGATE	1	195	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 15:46					
Workgroup Number: WG9229					
DRO	N/A	50	11100	mg/Kg	500

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19 @ 6'
Project Number: H2O
Sample ID: L3936-5
Site / Project ID: H2O
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5330/8260 (5ml)					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 20:18					
Workgroup Number: WG9234					
Bromobenzene	108-86-1	1	ND	ug/Kg	5
Bromodichloromethane	75-27-4	1	ND	ug/Kg	5
Bromoform	75-25-2	1	ND	ug/Kg	5
Bromomethane	74-83-9	1	ND	ug/Kg	10
Carbon tetrachloride	56-23-5	1	ND	ug/Kg	5
Chlorobenzene	108-90-7	1	ND	ug/Kg	5
Chloroethane	75-00-3	1	ND	ug/Kg	10
2-Chloroethyl vinyl ether	110-75-8	1	ND	ug/Kg	10
Chloroform	67-66-3	1	ND	ug/Kg	5
Chloromethane	74-87-3	1	ND	ug/Kg	10
Dibromochloromethane	124-48-1	1	ND	ug/Kg	5
1,2-Dibromoethane	106-93-4	1	ND	ug/Kg	5
Dibromomethane	74-95-3	1	ND	ug/Kg	5
1,3-Dichlorobenzene	541-73-1	1	ND	ug/Kg	10
1,4-Dichlorobenzene	106-46-7	1	ND	ug/Kg	10
1,2-Dichlorobenzene	95-50-1	1	ND	ug/Kg	10
Dichlorodifluoromethane	75-71-8	1	ND	ug/Kg	10
1,1-Dichloroethane	75-34-3	1	ND	ug/Kg	5
1,2-Dichloroethane	107-06-2	1	ND	ug/Kg	5
1,1-Dichloroethene	75-35-4	1	ND	ug/Kg	5
trans-1,2-Dichloroethene	156-60-5	1	ND	ug/Kg	5
cis-1,2-Dichloroethene	156-59-2	1	ND	ug/Kg	5
1,2-Dichloropropane	78-87-5	1	ND	ug/Kg	5
cis-1,3-Dichloropropene	10061-01-5	1	ND	ug/Kg	5
trans-1,3-Dichloropropene	10061-02-6	1	ND	ug/Kg	5
Methylene chloride	75-09-2	1	ND	ug/Kg	5
1,1,1,2-Tetrachloroethane	630-20-6	1	ND	ug/Kg	5
1,1,2,2-Tetrachloroethane	79-34-5	1	ND	ug/Kg	5
Tetrachloroethene	127-18-4	1	ND	ug/Kg	5
1,1,1-Trichloroethane	71-55-6	1	ND	ug/Kg	5
1,1,2-Trichloroethane	79-00-5	1	ND	ug/Kg	5
Trichloroethene	79-01-6	1	ND	ug/Kg	5
Trichlorofluoromethane	75-69-4	1	ND	ug/Kg	5
1,2,3-Trichloropropane	96-18-4	1	ND	ug/Kg	5
Vinyl chloride	75-01-4	1	ND	ug/Kg	2
Dibromofluoromethane	SURROGATE	1	95	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19 @ 6'
Project Number: H20
Sample ID: L3936-5
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Toluene-d8	SURROGATE	1	93	%	
4-Bromofluorobenzene	***	1	101	%	
4-Bromofluorobenzene	***	1	147	%	

*** DILUTION not consistent for this parameter.

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19 @ 6'
Project Number: H20
Sample ID: L3936-5
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 04-JAN-97					
Analysis Date: 04-JAN-97 10:57					
Workgroup Number: WG9277					
Benzene	71-43-2	25000	ND	ug/Kg	25000
Ethylbenzene	100-41-4	25000	ND	ug/Kg	25000
Methyl tert-butyl ether	1634-04-4	25000	ND	ug/Kg	25000
Toluene	108-88-3	25000	ND	ug/Kg	25000
(m,p)-Xylene	108-38-3	25000	213000	ug/Kg	50000
o-Xylene	95-47-6	25000	ND	ug/Kg	25000
4-Bromofluorobenzene	SURROGATE	1	101	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 15:03					
Workgroup Number: WG9280					
GRO	N/A	2500	4750	mg/Kg	250
Bromofluorobenzene	SURROGATE	1	116	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 16:19					
Workgroup Number: WG9229					
DRO	N/A	10	1910	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

1 . 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-19 @ 6'
Project Number: H20
Sample ID: L3936-5
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW-846, 9060M					
Analysis Date: 03-JAN-97 09:00					
Workgroup Number: WG9281					
Total Organic Carbon	N/A	1	6290	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17 @ 4'
Project Number: H20
Sample ID: L3936-6
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5330/8260 (5ml)					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 20:59					
Workgroup Number: WG9234					
Bromobenzene	108-86-1	1	ND	ug/Kg	5
Bromodichloromethane	75-27-4	1	ND	ug/Kg	5
Bromoform	75-25-2	1	ND	ug/Kg	5
Bromomethane	74-83-9	1	ND	ug/Kg	10
Carbon tetrachloride	56-23-5	1	ND	ug/Kg	5
Chlorobenzene	108-90-7	1	ND	ug/Kg	5
Chloroethane	75-00-3	1	ND	ug/Kg	10
2-Chloroethyl vinyl ether	110-75-8	1	ND	ug/Kg	10
Chloroform	67-66-3	1	ND	ug/Kg	5
Chloromethane	74-87-3	1	ND	ug/Kg	10
Dibromochloromethane	124-48-1	1	ND	ug/Kg	5
1,2-Dibromoethane	106-93-4	1	ND	ug/Kg	5
Dibromomethane	74-95-3	1	ND	ug/Kg	5
1,3-Dichlorobenzene	541-73-1	1	ND	ug/Kg	10
1,4-Dichlorobenzene	106-46-7	1	ND	ug/Kg	10
1,2-Dichlorobenzene	95-50-1	1	ND	ug/Kg	10
Dichlorodifluoromethane	75-71-8	1	ND	ug/Kg	10
1,1-Dichloroethane	75-34-3	1	ND	ug/Kg	5
1,2-Dichloroethane	107-06-2	1	ND	ug/Kg	5
1,1-Dichloroethene	75-35-4	1	ND	ug/Kg	5
trans-1,2-Dichloroethene	156-60-5	1	ND	ug/Kg	5
cis-1,2-Dichloroethene	156-59-2	1	ND	ug/Kg	5
1,2-Dichloropropane	78-87-5	1	ND	ug/Kg	5
cis-1,3-Dichloropropene	10061-01-5	1	ND	ug/Kg	5
trans-1,3-Dichloropropene	10061-02-6	1	ND	ug/Kg	5
Methylene chloride	75-09-2	1	ND	ug/Kg	5
1,1,1,2-Tetrachloroethane	630-20-6	1	ND	ug/Kg	5
1,1,2,2-Tetrachloroethane	79-34-5	1	ND	ug/Kg	5
Tetrachloroethene	127-18-4	1	ND	ug/Kg	5
1,1,1-Trichloroethane	71-55-6	1	ND	ug/Kg	5
1,1,2-Trichloroethane	79-00-5	1	ND	ug/Kg	5
Trichloroethene	79-01-6	1	ND	ug/Kg	5
Trichlorofluoromethane	75-69-4	1	ND	ug/Kg	5
1,2,3-Trichloropropane	96-18-4	1	ND	ug/Kg	5
Vinyl chloride	75-01-4	1	ND	ug/Kg	2
Dibromofluoromethane	SURROGATE	1	104	%	

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17 @ 4'
Project Number: H20
Sample ID: L3936-6
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
Toluene-d8	SURROGATE	1	98	%	
4-Bromofluorobenzene	***	1	99	%	
4-Bromofluorobenzene	***	1	81	%	

*** DILUTION not consistent for this parameter.

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"L" - Method Report Limit

Fc 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17 @ 4'
Project Number: H2O
Sample ID: L3936-6
Site / Project ID: H2O
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 04-JAN-97					
Analysis Date: 04-JAN-97 11:27					
Workgroup Number: WG9277					
Benzene	71-43-2	12500	ND	ug/Kg	13000
Ethylbenzene	100-41-4	12500	35200	ug/Kg	13000
Methyl tert-butyl ether	1634-04-4	12500	ND	ug/Kg	13000
Toluene	108-88-3	12500	ND	ug/Kg	13000
(m,p)-Xylene	108-38-3	12500	130000	ug/Kg	25000
o-Xylene	95-47-6	12500	44400	ug/Kg	13000
4-Bromofluorobenzene	SURROGATE	1	99	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-96 02:46					
Workgroup Number: WG9280					
GRO	N/A	2500	3730	mg/Kg	250
Bromofluorobenzene	SURROGATE	1	128	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 16:52					
Workgroup Number: WG9229					
DRO	N/A	20	1650	mg/Kg	200

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-17 @ 4'
Project Number: H2O
Sample ID: L3936-6
Site / Project ID: H2O
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW-846, 9060M					
Analysis Date: 03-JAN-97 09:00					
Workgroup Number: WG9281					
Total Organic Carbon	N/A	1	2220	mg/Kg	100

Review By: Bob Cathel

Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-14 @ 6'
Project Number: H20
Sample ID: L3936-7
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 12:14					
Workgroup Number: WG9275					
Benzene	71-43-2	2500	3060	ug/Kg	2500
Ethylbenzene	100-41-4	2500	24000	ug/Kg	2500
Methyl tert-butyl ether	1634-04-4	2500	ND	ug/Kg	2500
Toluene	108-88-3	2500	14500	ug/Kg	2500
(m,p)-Xylene	108-38-3	2500	185000	ug/Kg	5000
o-Xylene	95-47-6	2500	23900	ug/Kg	2500
4-Bromofluorobenzene	SURROGATE	1	131	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 12:14					
Workgroup Number: WG9278					
GRO	N/A	2500	5040	mg/Kg	250
Bromofluorobenzene	SURROGATE	1	131	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 17:56					
Workgroup Number: WG9229					
DRO	N/A	100	7770	mg/Kg	1000

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-10 @ 7'
Project Number: H20
Sample ID: L3936-8
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 04-JAN-97					
Analysis Date: 04-JAN-97 11:57					
Workgroup Number: WG9277					
Benzene	71-43-2	12500	ND	ug/Kg	13000
Ethylbenzene	100-41-4	12500	231000	ug/Kg	13000
Methyl tert-butyl ether	1634-04-4	12500	ND	ug/Kg	13000
Toluene	108-88-3	12500	ND	ug/Kg	13000
(m,p)-Xylene	108-38-3	12500	887000	ug/Kg	25000
o-Xylene	95-47-6	12500	202000	ug/Kg	13000
4-Bromofluorobenzene	SURROGATE	1	108	%	
SW846 Method 5030/8015M					
Preparation Date: 04-JAN-97					
Analysis Date: 04-JAN-97 11:57					
Workgroup Number: WG9280					
GRO	N/A	12500	3180	mg/Kg	1300
Bromofluorobenzene	SURROGATE	1	108	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 17:59					
Workgroup Number: WG9229					
DRO	N/A	100	5470	mg/Kg	1000

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-9 @ 4'
Project Number: H20
Sample ID: L3936-9
Site / Project ID: H20
Run ID: R5814
Collection Date: 26-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 10:29					
Workgroup Number: WG9276					
Benzene	71-43-2	500	ND	ug/Kg	500
Ethylbenzene	100-41-4	500	1910	ug/Kg	500
Methyl tert-butyl ether	1634-04-4	500	ND	ug/Kg	500
Toluene	108-88-3	500	854	ug/Kg	500
(m,p)-Xylene	108-38-3	500	6760	ug/Kg	1000
o-Xylene	95-47-6	500	4610	ug/Kg	500
4-Bromofluorobenzene	SURROGATE	1	199	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 10:29					
Workgroup Number: WG9279					
GRO	N/A	500	296	mg/Kg	50
Bromofluorobenzene	SURROGATE	1	199	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-07					
Analysis Date: 03-JAN-97 18:32					
Workgroup Number: WG9229					
DRO	N/A	10	1930	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F. 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-13 @ 6'
Project Number: H2O
Sample ID: L3936-10
Site / Project ID: H2O
Run ID: R5814
Collection Date: 20-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 11:11					
Workgroup Number: WG9276					
Benzene	71-43-2	500	ND	ug/Kg	500
Ethylbenzene	100-41-4	500	24100	ug/Kg	500
Methyl tert-butyl ether	1634-04-4	500	ND	ug/Kg	500
Toluene	108-88-3	500	519	ug/Kg	500
(m,p)-Xylene	108-38-3	500	52500	ug/Kg	1000
o-Xylene	95-47-6	500	2420	ug/Kg	500
4-Bromofluorobenzene	SURROGATE	1	73	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 11:11					
Workgroup Number: WG9279					
GRO	N/A	500	914	mg/Kg	50
Bromofluorobenzene	SURROGATE	1	73	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 20:12					
Workgroup Number: WG9229					
DRO	N/A	100	3820	mg/Kg	1000

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: PZ-1 @ 4'
Project Number: H20
Sample ID: L3936-11
Site / Project ID: H20
Run ID: R5814
Collection Date: 21-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 13:42					
Workgroup Number: WG9276					
Benzene	71-43-2	125	ND	ug/Kg	130
Ethylbenzene	100-41-4	125	191	ug/Kg	130
Methyl tert-butyl ether	1634-04-4	125	ND	ug/Kg	130
Toluene	108-88-3	125	ND	ug/Kg	130
(m,p)-Xylene	108-38-3	125	1160	ug/Kg	250
o-Xylene	95-47-6	125	209	ug/Kg	130
4-Bromofluorobenzene	SURROGATE	1	129	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 13:42					
Workgroup Number: WG9279					
GRO	N/A	125	114	mg/Kg	13
Bromofluorobenzene	SURROGATE	1	129	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 20:45					
Workgroup Number: WG9229					
DRO	N/A	10	1720	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Fc 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: PZ-2 @ 2'
Project Number: H20
Sample ID: L3936-12
Site / Project ID: H20
Run ID: R5814
Collection Date: 21-DEC-96
Received Date: 31-DEC-96
Report Date: 06-JAN-97

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 5030/8020					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 12:34					
Workgroup Number: WG9276					
Benzene	71-43-2	500	ND	ug/Kg	500
Ethylbenzene	100-41-4	500	808	ug/Kg	500
Methyl tert-butyl ether	1634-04-4	500	ND	ug/Kg	500
Toluene	108-88-3	500	ND	ug/Kg	500
(m,p)-Xylene	108-38-3	500	3310	ug/Kg	1000
o-Xylene	95-47-6	500	774	ug/Kg	500
4-Bromofluorobenzene	SURROGATE	1	160	%	
SW846 Method 5030/8015M					
Preparation Date: 03-JAN-97					
Analysis Date: 03-JAN-97 12:34					
Workgroup Number: WG9279					
GRO	N/A	500	223	mg/Kg	50
Bromofluorobenzene	SURROGATE	1	160	%	
SW846 Method 3550M/8015M					
Preparation Date: 02-JAN-97					
Analysis Date: 03-JAN-97 21:18					
Workgroup Number: WG9229					
DRO	N/A	10	1080	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Dec 30, 1996

HydroLogic
Mr. Ben Esterle
1491 Twilight Trail
Frankfort, KY 40601

Dear Mr. Esterle,

Please find enclosed the report for 2 samples received at HydroLogic Laboratories, Inc. on 24 Dec 1996. The report reference is L3915.

If you have any questions, please call (303) 659-0497.

Sincerely,

Bob Cathel

Bob Cathel
Project Manager

695 NORTH SEVENTH AVENUE / BRIGHTON, COLORADO 80601 / 303-659-0497 / FAX: 303-659-5064

Sample Cross Reference Table

Company Name: HydroLogic

HydroLogic Login Number: L3915

HydroLogic Sample Number	Client Sample Identification	Sample Date/Time
L3915-1	MW 19 @ 6'	20 Dec 96 00:00
L3915-2	MW 17 @ 4'	20 Dec 96 00:00

DATE AND TIME SUMMARY

Company Name: HydroLogic
Project: NO REFERENCE

HydroLogic Login Number: L3915

METHOD	COLLECTED	PREPARED	ANALYZED
SAMPLE NUMBER: L3915-1	**CLIENT ID:** MW 19 @ 6'		**MATRIX:** Soil
MCAWW 415.1	12/20/96 00:00	12/26/96	12/26/96 11:20
SAMPLE NUMBER: L3915-2	**CLIENT ID:** MW 17 @ 4'		**MATRIX:** Soil
MCAWW 415.1	12/20/96 00:00	12/26/96	12/26/96 11:20

Chain of Custody Record

HYDROLOGIC, INC.

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ I-85 S Bldg. 2848, Charlotte, NC 28208, (704) 392-1164, FAX (704) 392-9073
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 695 N Seventh Ave, Brighton, CO. 80601, (303) 659-0497, FAX (303) 659-5064

Client: L-3 O

Project No.: Conc & Tom

Report Address:

Invoice Address:

Attn:

Attn:

Phone No.:

Sampled By:

Fax No.:

P.O. No:

State Samples Collected

TURNAROUND TIME

☐ 24 Hours ☐ 48 Hours

☐ 5 Days ☐ 10 Days Date Needed: _____

REQUESTED PARAMETERS

LAB CODE I.D.

A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/ Grab	Matrix	Containers	TPH	TPH	BTEX	TOC	JOH-(8010)+EDB						← Preserv.	REMARKS
MW-5 @ 2'	12/96		G	G	2	X	X										
MW-11 @ 2'					2	X	X										
MW-16 @ 2'					2	X	X										
MW-21 @ 4'					2	X	X										
MW 19 @ 6'					3	X	X	X	X								
MW 11 @ 4'					3	X	X	X	X								
MW-19 @ 6'					2	X	X										
MW-16 @ 2'					2	X	X										
~~[illegible]~~					—	X	X										
						K	K	D	K							Rec. on Ice	

Lab Use Only Custody Seal: ☐ Yes ☐ No ☐ N/A Init Lab Temp: 3.1°C Rec. Lab Temp: B

COMMENTS:

Relinquished By:	Date	Time	Received By:	Date	Time
[illegible]			Lisa Baker	12/23/96	9:00
Lisa Baker	12/23/96	5:00	Jane Dunges	12-24-96	1200
Relinquished By:	Date	Time	Received By:	Date	Time
Relinquished By:	Date	Time	Received By:	Date	Time

FINAL

RESULTS

F 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW 19 @ 6'
Project Number: NO REFERENCE
Sample ID: L3915-1
Site / Project ID: H2O
Run ID: R5756
Collection Date: 20-DEC-96
Received Date: 24-DEC-96
Report Date: 28-DEC-96

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW-846, 9060M					
Analysis Date: 26-DEC-96 11:20					
Workgroup Number: WG9120					
Total Organic Carbon	N/A	1	9990	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

F 1 - Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW 17 @ 4'
Project Number: NO REFERENCE
Sample ID: L3915-2
Site / Project ID: H2O
Run ID: R5756
Collection Date: 20-DEC-96
Received Date: 24-DEC-96
Report Date: 28-DEC-96

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW-846, 9060M					
Analysis Date: 26-DEC-96 11:20					
Workgroup Number: WG9120					
Total Organic Carbon	N/A	1	4690	mg/Kg	100

Review By: Bob Cathel

Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Chain of Custody Record

HYDROGEOLOGIC, INC: FL9USW72C5

Page 1 of 2

☐ 122 Lyman Street Asheville, NC 28801 (704)254-5169 FAX (704) 252-9711	☐ 410 New Salem Highway #106 Murfreesboro, TN 37129 (615) 848-6010 FAX (615) 848-6805	☐ 1491 Twilight Trail Frankfort, KY 40601 (502) 223-0251 FAX (502) 875-8016	☐ 2003 North Pine Street Lumberton, NC 28358 (910) 738-6190 FAX (910) 671-8837	☐ I-85 S Bldg. 2848 Charlotte, NC 28208 (704) 392-1164 FAX (704) 392-9073	☐ 2500 Gateway Centre Morrisville, NC 27560 (919) 380-9699 FAX (919) 380-9717	☐ 4875 Riverside Drive Macon, GA 31210 (912) 757-0811 FAX (912) 757-0149	☐ 695 N Seventh Ave Brighton, CO. 80601 (303) 659-0497 FAX (303) 659-5064

Client: H2O	Project No.: Chase & Town
Report Address:	Invoice Address:
Attn:	Attn:
Phone No.:	Sampled By:
Fax No.:	P.O. No:
	State Samples Collected

TURNAROUND TIME

☐ 24 Hours ☐ 48 Hours

☐ 5 Days ☐ 10 Days Date Needed: _____

REQUESTED PARAMETERS

LAB CODE I.D.

A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro

Sample ID	Date	Time	Comp/ Grab	Matrix	Containers	TPH	TPHD	BTEX	MTBE	TOC	VOH-(8010)+EDB						← Preserv.	REMARKS
MW-5 @ 2'	12/20/96		G	G	2	X	X											
MW-11 @ 2'	↓		↓	↓	2	X	X											
MW-16 @ 2'	↓		↓	↓	2	X	X											
MW-21 @ 4'	↓		↓	↓	2	X	X											
MW-19 @ 6'	↓		↓	↓	3	X	X	X	X									
MW-17 @ 4'	↓		↓	↓	3	X	X	X	X									
MW-14 @ 6'	↓		↓	↓	2	X	X											
MW-10 @ 7'	↓		↓	↓	2	X	X											
~~MW-19 @ 4'~~	↓		↓	↓	—	X	X											
MW-9 @ 4'	↓		↓	↓	2	X	X											
						K	K	D	K								Rec. on ice	Rec. on ice
						Billing											Init Lab Temp	Rec. Lab Temp

Lab Use Only **Custody Seal:** ☐ Yes ☐ No ☐ N/A

COMMENTS:

Relinquished By: Pat Pinelli	Date 12/23 Time	Received By: Shi Baker	Date 12/23/96 Time 9:00	Lab Use Only:	
Relinquished By: Shi Baker	Date 12/23/96 Time 5:00	Received By: Michael Cameron Jone	Date 12/24/96 Time 10:00		
Relinquished By:	Date Time	Received By:	Date Time		
Relinquished By:	Date Time	Received By:	Date Time		

Chain of Cu y Record

HYDROLOGIC, INC. FL7620720 (2) of 2

☐ 122 Lyman Street Asheville, NC 28801 (704)254-5169 FAX (704) 252-9711	☐ 410 New Salem Highway #106 Murfreesboro, TN 37129 (615) 848-6810 FAX (615) 848-6805	☐ 1491 Twilight Trail Frankfort, KY 40601 (502) 223-0251 FAX (502) 875-8016	☐ 2003 North Pine Street Lumberton, NC 28358 (910) 738-6190 FAX (910) 671-8837	☐ I-85 S Bldg. 2848 Charlotte, NC 28208 (704) 392-1164 FAX (704) 392-9073	☐ 2500 Gateway Centre Morrisville, NC 27560 (919) 380-9699 FAX (919) 380-9717	☐ 4875 Riverside Drive Macon, GA 31210 (912) 757-0811 FAX (912) 757-0149	☐ 695 N Seventh Ave Brighton, CO. 80601 (303) 659-0497 FAX (303) 659-5064

Client: H2O	Project No.: CHARKS STERN
Report Address:	Invoice Address:
Attn:	Attn:
Phone No.:	Sampled By:
Fax No.:	P.O. No:
TURNAROUND TIME	State Samples Collected
☐ 24 Hours ☐ 48 Hours	
☐ 5 Days ☐ 10 Days	Date Needed:

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro

Sample ID	Date	Time	Comp/ Grab	Matrix	Containers	TPHG/TPHD	BTEX/MTBE	TOC									← Preserv.	REMARKS
MW-13 @ 6'	12/20/96		G	S	2	X	X											
PZ-1 @ 4'	12/21/96		↓	↓	2	X	X											
PZ-2 @ 2'	12/21/96		↓	↓	2	X	X											
Lab Use Only			Custody Seal: ☐Yes ☐No ☐N/A			K	K										Init Lab Temp: Rec-on Ice B	Rec. Lab Temp:

COMMENTS:

Relinquished By:	Date 12/23	Time	Received By:	Date 12/23/96	Time 9:00	Lab Use Only:	
Relinquished By:	Date 12/23/96	Time 5:00	Received By:	Date 12/24/96	Time 10:00		
Relinquished By:	Date	Time	Received By:	Date	Time		
Relinquished By:	Date	Time	Received By:	Date	Time		

HYDROLOGIC, INC.

January 3, 1997

REPORTING:

H 2 O Environmental
130 Centrum
3B
Irmo, SC 29063

INVOICING:

H 2 O Environmental
130 Centrum
3B
Irmo, SC 29063

PROJECT NUMBER: FL9620383B

DATE COMPLETED: January 3, 1997
DATE RECEIVED: December 19, 1996

PROJECT DESCRIPTION:

CHAIS S. TERM--8 soil samples were received and analyzed for 8 3550/5030, 8 8020 + MTBE, 8 8100, 1 601 + EDB.

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to **contact Jack Hale Jr. at 1-800-728-2251.** We appreciate your business and look forward to serving you again soon.

Respectfully,

Walter Hogg
QA/QC Officer

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAIS S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620386B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-6 4'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/30/96

METHOD SW 846 8010

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Benzyl chloride	100-44-7	0.1	BDL
Bromobenzene	108-86-1	0.1	BDL
Bromodichloromethane	75-27-4	0.1	BDL
Bromoform	75-25-2	0.1	BDL
Bromomethane	74-83-9	0.1	BDL
Carbon Tetrachloride	56-23-5	0.1	BDL
Chlorobenzene	108-90-7	0.1	BDL
Chloroethane	75-00-3	0.1	BDL
Chloroform	67-66-3	0.1	BDL
2-Chloroethyl vinyl ether	110-75-8	0.1	BDL
Chloromethane	74-87-3	0.1	BDL
Dibromochloromethane	124-48-1	0.1	BDL
Dibromomethane	74-95-3	0.1	BDL
1,2-Dichlorobenzene	95-50-1	0.1	BDL
1,3-Dichlorobenzene	541-73-1	0.1	BDL
1,4-Dichlorobenzene	106-46-7	0.1	BDL
Dichlorofluoromethane	75-43-4	0.1	BDL
1,1-Dichloroethane	75-34-3	0.1	BDL
1,2-Dichloroethane	107-06-2	0.1	BDL
1,1-Dichloroethene	75-35-4	0.1	BDL
trans-1,2-Dichloroethene	156-60-5	0.1	BDL
Dichloromethane	75-09-2	0.1	BDL
1,2-Dichloropropane	78-87-5	0.1	BDL
cis-1,3-Dichloropropene	10061-01-5	0.1	BDL
trans-1,3-Dichloropropene	10061-02-6	0.1	BDL

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: CHAIS S. TERM

HYDROLOGIC PROJECT NUMBER: FL9620383B
HYDROLOGIC SAMPLE NUMBER: 9620386B
SAMPLE IDENTIFICATION: MW-6 4'
DATE SAMPLED: 12/17/96

METHOD SW 846 8010

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
1,1,2,2-Tetrachloroethane	79-34-5	0.1	BDL
1,1,1,2-Tetrachloroethane	630-20-6	0.1	BDL
Tetrachloroethene	127-18-4	0.1	BDL
1,1,1-Trichloroethane	71-55-6	0.1	BDL
1,1,2-Trichloroethane	79-00-5	0.1	BDL
Trichloroethene	79-01-6	0.1	BDL
Trichlorofluoromethane	75-69-4	0.1	BDL
1,2,3-Trichloropropane	96-18-4	0.1	BDL
Vinyl Chloride	75-01-4	0.1	BDL
Surrogate Recovery:			
BFB			103%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAIS S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620386B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-6 4'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/30/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	500	BDL
Toluene	108-88-3	500	BDL
Ethylbenzene	100-41-4	500	BDL
Xylenes (Total)	**1330-20-7**	**500**	**4110**
Naphthalene	**91-20-3**	**500**	**47400**
Surrogate Recovery:			
BFB			120%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION, DUE TO THE PRESENCE OF DIESEL FUEL.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: CHAISE S. TERM

HYDROLOGIC PROJECT NUMBER: FL9620383S
HYDROLOGIC SAMPLE NUMBER: 9620386
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-6 4'
DATE SAMPLED: 12/17/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 12/31/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	6230
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	2420
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			68%
Nitrobenzene	98-95-3		114%
p-Terphenyl			72%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAISE S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620386B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-6 4'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	12/31/96 12/24/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		100	6870
Surrogate Recoveries:			
Nonane			80%
Pentacosane			24%
Gasoline		500	BDL
Surrogate Recovery:			
BFB			97%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: DIESEL ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.
GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAIS S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620385B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-7 4'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/30/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	500	BDL
Toluene	108-88-3	500	BDL
Ethylbenzene	100-41-4	500	BDL
Xylenes (Total)	**1330-20-7**	**500**	**34400**
Naphthalene	**91-20-3**	**500**	**43800**
Surrogate Recovery:			
BFB			126%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION, DUE TO THE PRESENCE OF DIESEL FUEL.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAISE S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383S
HYDROLOGIC SAMPLE NUMBER:	9620385
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-7 4'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	12/31/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	BDL
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	BDL
Anthracene	**120-12-7**	**660**	**2310**
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			72%
Nitrobenzene	98-95-3		72%
p-Terphenyl			76%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAISE S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620385B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-7 4'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	12/31/96 12/24/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		**100**	**9010**
Surrogate Recoveries:			
Nonane			100%
Pentacosane			122%
Gasoline		500	BDL
Surrogate Recovery:			
BFB			107%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: CHAIS S. TERM

HYDROLOGIC PROJECT NUMBER: FL9620383B
HYDROLOGIC SAMPLE NUMBER: 9620384B
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-8 4'
DATE SAMPLED: 12/17/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 12/30/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	5.0	BDL
Toluene	108-88-3	5.0	BDL
Ethylbenzene	100-41-4	5.0	BDL
Xylenes (Total)	**1330-20-7**	**5.0**	**8.04**
Naphthalene	91-20-3	5.0	BDL
Surrogate Recovery:			
BFB			101%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: CHAISE S. TERM

HYDROLOGIC PROJECT NUMBER: FL9620383S
HYDROLOGIC SAMPLE NUMBER: 9620384
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-8 4'
DATE SAMPLED: 12/17/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 12/31/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	BDL
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	BDL
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			80%
Nitrobenzene	98-95-3		100%
p-Terphenyl			50%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAISE S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620384B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-8 4'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	12/31/96 12/24/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		**10.0**	**20.0**
Surrogate Recoveries:			
Nonane			58%
Pentacosane			86%
Gasoline		2.0	BDL
Surrogate Recovery:			
BFB			101%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAIS S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620389B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-12 4'
DATE SAMPLED:	12/18/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/30/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	500	BDL
Toluene	108-88-3	500	BDL
Ethylbenzene	100-41-4	500	BDL
Xylenes (Total)	**1330-20-7**	**500**	**7980**
Naphthalene	**91-20-3**	**500**	**4300**
Surrogate Recovery:			
BFB			110%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION, DUE TO THE PRESENCE OF DIESEL FUEL.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: CHAISE S. TERM

HYDROLOGIC PROJECT NUMBER: FL9620383S
HYDROLOGIC SAMPLE NUMBER: 9620389
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-12 4'
DATE SAMPLED: 12/18/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 12/31/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	BDL
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	BDL
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			92%
Nitrobenzene	98-95-3		118%
p-Terphenyl			67%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAISE S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620389B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-12 4'
DATE SAMPLED:	12/18/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	12/31/96 12/24/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		10.0	718
Surrogate Recoveries:			
Nonane			56%
Pentacosane			78%
Gasoline		10.0	BDL
Surrogate Recovery:			
BFB			109%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAIS S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620383B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-15 2'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/30/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	500	BDL
Toluene	108-88-3	500	BDL
Ethylbenzene	100-41-4	500	BDL
Xylenes (Total)	**1330-20-7**	**500**	**278000**
Naphthalene	**91-20-3**	**500**	**17800**
Surrogate Recovery:			
BFB			144%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION, DUE TO THE PRESENCE OF DIESEL FUEL.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

-HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: CHAISE S. TERM

HYDROLOGIC PROJECT NUMBER: FL9620383S
HYDROLOGIC SAMPLE NUMBER: 9620383
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-15 2'
DATE SAMPLED: 12/17/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 12/31/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	**91-20-3**	**660**	**3200**
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	**85-01-8**	**660**	**970**
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			80%
Nitrobenzene	98-95-3		116%
p-Terphenyl			90%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAISE S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620383B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-15 2'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	01/02/97 12/24/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		100	7410
Surrogate Recoveries:			
Nonane			BDL
Pentacosane			102%
Gasoline		250	BLD
Surrogate Recovery:			
BFB			152%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: DIESEL ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.
GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAIS S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620390B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-18 2'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/30/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	500	BDL
Toluene	108-88-3	500	BDL
Ethylbenzene	100-41-4	500	BDL
Xylenes (Total)	1330-20-7	500	BDL
Naphthalene	**91-20-3**	**500**	**3150**
Surrogate Recovery:			
BFB			102%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

-HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: CHAISE S. TERM

HYDROLOGIC PROJECT NUMBER: FL9620383S
HYDROLOGIC SAMPLE NUMBER: 9620390
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-18 2'
DATE SAMPLED: 12/17/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 12/31/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	BDL
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	BDL
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			78%
Nitrobenzene	98-95-3		118%
p-Terphenyl			67%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAISE S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620390B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-18 2'
DATE SAMPLED:	12/17/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	12/31/96 12/24/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		**10.0**	**721**
Surrogate Recoveries:			
Nonane			65%
Pentacosane			83%
Gasoline		2.0	BDL
Surrogate Recovery:			
BFB			114%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAIS S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620388B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-20 4'
DATE SAMPLED:	12/18/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/30/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	500	BDL
Toluene	108-88-3	500	BDL
Ethylbenzene	100-41-4	500	BDL
Xylenes (Total)	**1330-20-7**	**500**	**614000**
Naphthalene	**91-20-3**	**500**	**28700**
Surrogate Recovery:			
BFB			108%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION, DUE TO THE PRESENCE OF DIESEL FUEL.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: CHAISE S. TERM

HYDROLOGIC PROJECT NUMBER: FL9620383S
HYDROLOGIC SAMPLE NUMBER: 9620388
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-20 4'
DATE SAMPLED: 12/18/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 12/31/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	2400
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	863
Phenanthrene	85-01-8	660	2090
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	713
Pyrene	129-00-0	660	827
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			114%
Nitrobenzene	98-95-3		116%
p-Terphenyl			100%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAISE S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620388B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-20 4'
DATE SAMPLED:	12/18/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	12/31/96 12/24/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		100	5970
Surrogate Recoveries:			
Nonane			139%
Pentacosane			77%
Gasoline		1000	BDL
Surrogate Recovery:			
BFB			92%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: DIESEL ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.
GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAIS S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620387B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-22 4'
DATE SAMPLED:	12/18/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/30/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	500	BDL
Toluene	108-88-3	500	BDL
Ethylbenzene	100-41-4	500	BDL
Xylenes (Total)	1330-20-7	500	2770
Naphthalene	91-20-3	500	10500
Surrogate Recovery:			
BFB			117%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION, DUE TO THE PRESENCE OF DIESEL FUEL.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-575-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: CHAISE S. TERM

HYDROLOGIC PROJECT NUMBER: FL9620383S
HYDROLOGIC SAMPLE NUMBER: 9620387
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: MW-22 4'
DATE SAMPLED: 12/18/96
DATE EXTRACTED: 12/30/96
DATE/TIME ANALYZED: 12/31/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	BDL
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	BDL
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			68%
Nitrobenzene	98-95-3		82%
p-Terphenyl			82%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	CHAISE S. TERM
HYDROLOGIC PROJECT NUMBER:	FL9620383B
HYDROLOGIC SAMPLE NUMBER:	9620387B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	MW-22 4'
DATE SAMPLED:	12/18/96
DATE EXTRACTED:	12/30/96
DATE/TIME ANALYZED:	12/31/96 12/24/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		**10.0**	**1090**
Surrogate Recoveries:			
Nonane			73%
Pentacosane			76%
Gasoline		100	BDL
Surrogate Recovery:			
BFB			101%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

Chain of Custody Record

HYDROLOGIC, INC. FL9620583

Page 3 of 1

☐ 122 Lyman Street Asheville, NC 28801 (704)254-5169 FAX (704) 252-9711	☐ 410 New Salem Highway #106 Murfreesboro, TN 37129 (615) 848-6810 FAX (615) 848-6805	☐ 1491 Twilight Trail Frankfort, KY 40601 (502) 223-0251 FAX (502) 875-8016	☐ 2003 North Pine Street Lumberton, NC 28358 (910) 738-6190 FAX (910) 671-8837	☐ I-85 S Bldg. 2848 Charlotte, NC 28208 (704) 392-1164 FAX (704) 392-9073	☐ 2500 Gateway Centre Morrisville, NC 27560 (919) 380-9699 FAX (919) 380-9717	☐ 4875 Riverside Drive Macon, GA 31210 (912) 757-0811 FAX (912) 757-0149	☐ 695 N Seventh Ave Brighton, CO. 80601 (303) 659-0497 FAX (303) 659-5064

Client: H2E Env. Inc.
Report Address: 130 Centerpark
Fort Mill SC
Attn: J Ferry
Phone No.: 803 744-4050
Fax No.: 803 744-9311

Project No.: Chars. S. Term
Invoice Address:
Attn: J Ferry
Sampled By: K. Gieldenmeister
P.O. No: JAF
State Samples Collected

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours
☐ 5 Days ☐ 10 Days Date Needed:

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Containers	TPHG TPHD	BETX MTBE	PAH	TOC	Lead	VOH + EDB (601)					← Preserv.	REMARKS
MW-15 @ 2'	12/11/96		G	S	2	X	X	X									
MW-8 @ 4'	"		"	"	"	X	X	X									
MW-7 @ 4'	"		"	"	"	X	X	X									
MW-6 @ 4'	"		"	"	3	X	X	X	X	X	X						
MW-22 @ 4'	12/10/96		"	"	2	X	X	X									
MW-20 @ 4'	12/10/96		"	"	2	X	X	X									
MW-12 @ 4'	12/10/96		"	"	2	X	X	X									
MW-18 @ 2'	12/11/96		"	"	2	X	X	X									
MW-EB @ 17'	12/7/96		"	"	1				X								
MW-3 @ [illegible]	12/7/96		"	"	1				X								
Lab Use Only		Custody Seal: ☐Yes ☐No ☐N/A				K	K	K	D	D	K					Rec on ice Init Lab Temp SJOB	Rec on ice Rec. Lab Temp
						Billing											

COMMENTS:

656 4832 860

Relinquished By:	Date	Time	Received By:	Date	Time
Jeanette Ferry	12/18/96	1700	SJO Baker	12/18/96	1700
Sue Baker	12/18/96	1730	Tim Blemechenfene	12/19/96	10

Lab Use Only:

Dec 27, 1996

HydroLogic
Mr. Ben Esterle
1491 Twilight Trail
Frankfort, KY 40601

Dear Mr. Esterle,

Please find enclosed the report for 3 samples received at HydroLogic Laboratories, Inc. on 19 Dec 1996 for your project number, CHAIS.S.TERM. The report reference is L3881.

If you have any questions, please call (303) 659-0497.

Sincerely,

Bob Cathel

Bob Cathel
Project Manager

795 NORTH SEVENTH AVENUE / BRIGHTON, COLORADO 80601 / 303-659-0497 / FAX: 303-659-5064

Sample Cross Reference Table

Company Name: HydroLogic

HydroLogic Login Number: L3881

HydroLogic Sample Number	Client Sample Identification	Sample Date/Time
L3881-1	MW-6 @ 4'	17 Dec 96 00:00
L3881-2	MW-8 @ 17'	17 Dec 96 00:00
L3881-3	MW-8 @ 2'	17 Dec 96 00:00

DATE AND TIME SUMMARY

Company Name: HydroLogic
Project: CHAIS.S.TERM

HydroLogic Login Number: L3881

METHOD	COLLECTED	PREPARED	ANALYZED
SAMPLE NUMBER: L3881-1	**CLIENT ID:** MW-6 @ 4'		**MATRIX:** Soil
SW846, 7421	12/17/96 00:00	12/22/96	12/23/96 11:44
MCAWW 415.1	12/17/96 00:00	12/21/96	12/21/96 09:05
SAMPLE NUMBER: L3881-2	**CLIENT ID:** MW-8 @ 17'		**MATRIX:** Soil
MCAWW 415.1	12/17/96 00:00	12/21/96	12/21/96 09:05
SAMPLE NUMBER: L3881-3	**CLIENT ID:** MW-8 @ 2'		**MATRIX:** Soil
MCAWW 415.1	12/17/96 00:00	12/21/96	12/21/96 09:05

HYDROLOGIC, INC.

Chain of Custody Record

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☐ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ I-85 S Bldg. 2848, Charlotte, NC 28208, (704) 392-1164, FAX (704) 392-9073
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 695 N Seventh Ave, Brighton, CO. 80601, (303) 659-0497, FAX (303) 659-5064

Client: 7-70 Env. Inc.
Report Address: 120 Centre Pr. Suite 3-5, Lino SC
Attn: J Farley
Phone No.: 803-749-4080
Fax No.: 803 749-9311

Project No.: Chas. S. Term
Invoice Address:
Attn: J Farley
Sampled By: K Greenwalder
P.O. No: JAF
State Samples Collected

TURNAROUND TIME
☐ 24 Hours ☐ 48 Hours
☐ 5 Days ☐ 10 Days Date Needed:

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Containers	TPHG	TPHD	BETX	MTBE	PAH	TOC	Lead	VOH + EDB (601)					← Preserv.	REMARKS
MW-15 @ 2'	12/17/96		G	S	2	X	X	X											
MW-8 @ 4'	"		"	"	"	X	X	X											
MW-7 @ 4'	"		"	"	"	X	X	X											
MW-6 @ 4'	"		"	"	3	X	X	X	X	X	X								
MW-22 @ 4'	12/18/96		"	"	2	X	X	X											
MW-20 @ 4'	12/18/96		"	"	2	X	X	X											
MW-17 @ 4'	12/18/96		"	"	2	X	X	X											
MW-18 @ 2'	12/17/96		"	"	2	X	X	X											
MW-15B @ 17'	12/17/96		"	"	1				X										
[illegible]	[illegible]				1				X										
Lab Use Only		Custody Seal: ☐Yes ☐No ☐N/A				K	K	K	D	D	K							Rec. on ice Init Lab Temp	Rec. Lab Temp
						Billing													

COMMENTS:

Relinquished By:	Date	Time	Received By:	Date	Time
[signature]	12/18/96	1700	[signature]	12/18/96	1700
[signature]	12/18/96	1730	[signature]	12-19-96	1145

Lab Use Only

FINAL

RESULTS

Form 1 .ata Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-6 @ 4'
Project Number: CHAIS.S.TERM
Sample ID: L3881-1
Site / Project ID: H2O ENV. INC.
Run ID: R5712
Collection Date: 17-DEC-96
Received Date: 19-DEC-96
Report Date: 26-DEC-96

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW846 Method 7421					
Analysis Date: 23-DEC-96 11:44					
Workgroup Number: WG9D05					
Lead	7439-92-1	1	4.7	mg/Kg	.3
SW-846, 9060M					
Analysis Date: 21-DEC-96 09:05					
Workgroup Number: WG9043					
Total Organic Carbon	N/A	1	6100	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 Data Summary Report
Prepared By: Hydrologic Laboratories, Inc.

Client ID: MW-8 @ 17'
Project Number: CHAIS.S.TERM
Sample ID: L3881-2
Site / Project ID: H2D ENV. INC.
Run ID: R5692
Collection Date: 17-DEC-96
Received Date: 19-DEC-96
Report Date: 24-DEC-96

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW-846, 9060M					
Analysis Date: 21-DEC-96 09:05					
Workgroup Number: WG9043					
Total Organic Carbon	N/A	1	3660	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

Form 1 Data Summary Report
Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-8 @ 2'
Project Number: CHAIS.S.TERM
Sample ID: L3881-3
Site / Project ID: H2O ENV. INC.
Run ID: R5692
Collection Date: 17-DEC-96
Received Date: 19-DEC-96
Report Date: 24-DEC-96

Analyte	CAS No.	Dil	Sample Conc.	Units	RL
SW-846, 9060M					
Analysis Date: 21-DEC-96 09:05					
Workgroup Number: WG9043					
Total Organic Carbon	N/A	1	1250	mg/Kg	100

Review By: Bob Cathel Report Approved By: Karen Kuoppala

"Dil" - Sample Dilution Factor
"ND" - Sample Concentration Not Detected above RL
"RL" - Method Report Limit

HYDROLOGIC, INC.

January 3, 1997

REPORTING:

H 2 O Environmental
130 Centrum
3B
Irmo, SC 29063

INVOICING:

H 2 O Environmental
130 Centrum
3B
Irmo, SC 29063

PROJECT NUMBER: **FL9620184S**

DATE COMPLETED: January 3, 1997
DATE RECEIVED: December 18, 1996

PROJECT DESCRIPTION:

1715.4066--5 soil samples were received and analyzed for 8020-BTEX +NAPTH + MTBE/8270/5030/3550

Enclosed is the laboratory report for the project described above. If you have any questions or if we can be of further assistance, please feel free to **contact Jack Hale Jr. at 1-800-728-2251.** We appreciate your business and look forward to serving you again soon.

Respectfully,

Walter Hogg
QA/QC Officer

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184S
HYDROLOGIC SAMPLE NUMBER:	9620184
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-1
DATE SAMPLED:	12/14/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/29/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	5.0	91.8
Toluene	108-88-3	5.0	786
Ethylbenzene	100-41-4	100	9190
Xylenes (Total)	1330-20-7	100	45600
Naphthalene	91-20-3	100	68100
MTBE		100	BDL
Surrogate Recovery:			
BFB			188%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184B
HYDROLOGIC SAMPLE NUMBER:	9620184B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-1
DATE SAMPLED:	12/14/96
DATE EXTRACTED:	12/28/97
DATE/TIME ANALYZED:	12/30/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	**91-20-3**	**2400**	**24600**
Acenaphthylene	208-96-8	2400	BDL
Acenaphthene	83-32-9	2400	BDL
Fluorene	86-73-7	2400	BDL
Phenanthrene	**85-01-8**	**2400**	**4060**
Anthracene	120-12-7	2400	BDL
Fluoranthene	206-44-0	2400	BDL
Pyrene	129-00-0	2400	BDL
Benzo(a)anthracene	56-55-3	2400	BDL
Chrysene	218-01-9	2400	BDL
Benzo(b)fluoranthene	205-99-2	2400	BDL
Benzo(k)fluoranthene	207-08-9	2400	BDL
Benzo(a)pyrene	50-32-8	2400	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	2400	BDL
Dibenz(a,h)anthracene	53-70-3	2400	BDL
Benzo(g,h,i)perylene	191-24-2	2400	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			BDL
Nitrobenzene	98-95-3		BDL
p-Terphenyl			BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-9016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184S
HYDROLOGIC SAMPLE NUMBER:	9620184
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-1
DATE SAMPLED:	12/14/96
DATE EXTRACTED:	12/28/96
DATE/TIME ANALYZED:	12/30/96 12/23/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		300	11100
Surrogate Recoveries:			
Nonane			121%
Pentacosane			77%
Gasoline		500	BDL
Surrogate Recovery:			
BFB			96%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: DIESEL ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.
GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184S
HYDROLOGIC SAMPLE NUMBER:	9620185
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-2
DATE SAMPLED:	12/14/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/27/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	100	BDL
Toluene	108-88-3	100	470
Ethylbenzene	100-41-4	100	12200
Xylenes (Total)	1330-20-7	100	183000
Naphthalene	91-20-3	100	131000
MTBE		100	BDL
Surrogate Recovery:			
BFB			247%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184B
HYDROLOGIC SAMPLE NUMBER:	9620185B
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-2
DATE SAMPLED:	12/14/96
DATE EXTRACTED:	12/28/96
DATE/TIME ANALYZED:	12/30/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	**2810**
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	BDL
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			88%
Nitrobenzene	98-95-3		76%
p-Terphenyl			96%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184S
HYDROLOGIC SAMPLE NUMBER:	9620185
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-2
DATE SAMPLED:	12/14/96
DATE EXTRACTED:	12/28/96
DATE/TIME ANALYZED:	12/30/96 12/22/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		10.0	BDL
Surrogate Recoveries:			
Nonane			295%
Pentacosane			96%
Gasoline		500	BDL
Surrogate Recovery:			
BFB			107%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: DIESEL ANALYSIS: LOWER TPH PRESENT HIGH NONANE RECOVERY DUE TO GASOLINE CONTAMINATION.
GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620184S
HYDROLOGIC SAMPLE NUMBER: 9620186
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: LS-3
DATE SAMPLED: 12/14/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 12/29/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	5.0	BDL
Toluene	108-88-3	5.0	BDL
Ethylbenzene	100-41-4	5.0	BDL
Xylenes (Total)	**1330-20-7**	**5.0**	**10.7**
Naphthalene	91-20-3	5.0	BDL
MTBE		5.0	BDL
Surrogate Recovery:			
BFB			70%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620184B
HYDROLOGIC SAMPLE NUMBER: 9620186B
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: LS-3
DATE SAMPLED: 12/14/96
DATE EXTRACTED: 12/28/96
DATE/TIME ANALYZED: 12/30/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	BDL
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	BDL
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			66%
Nitrobenzene	98-95-3		72%
p-Terphenyl			114%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 / TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184S
HYDROLOGIC SAMPLE NUMBER:	9620186
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-3
DATE SAMPLED:	12/14/96
DATE EXTRACTED:	12/28/96
DATE/TIME ANALYZED:	12/30/96 12/23/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		**10.0**	**60.1**
Surrogate Recoveries:			
Nonane			71%
Pentacosane			70%
Gasoline		2.0	BDL
Surrogate Recovery:			
BFB			67%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184S
HYDROLOGIC SAMPLE NUMBER:	9620187
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-5
DATE SAMPLED:	12/14/96
DATE EXTRACTED:	N/A
DATE/TIME ANALYZED:	12/27/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	5.0	BDL
Toluene	108-88-3	5.0	BDL
Ethylbenzene	100-41-4	5.0	61.1
Xylenes (Total)	1330-20-7	5.0	1860
Naphthalene	91-20-3	5.0	219
MTBE		5.0	BDL
Surrogate Recovery:			
BFB			320%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: HIGH SURROGATE RECOVERY DUE TO MATRIX INTERFERENCE.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620184B
HYDROLOGIC SAMPLE NUMBER: 9620187B
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: LS-5
DATE SAMPLED: 12/14/96
DATE EXTRACTED: 12/28/96
DATE/TIME ANALYZED: 12/30/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	BDL
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	BDL
Anthracene	120-12-7	660	BDL
Fluoranthene	206-44-0	660	BDL
Pyrene	129-00-0	660	BDL
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			76%
Nitrobenzene	98-95-3		68%
p-Terphenyl			96%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184S
HYDROLOGIC SAMPLE NUMBER:	9620187
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-5
DATE SAMPLED:	12/14/96
DATE EXTRACTED:	12/28/96
DATE/TIME ANALYZED:	12/30/96 12/22/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		10.0	BDL
Surrogate Recoveries:			
Nonane			188%
Pentacosane			80%
Gasoline		10.0	BDL
Surrogate Recovery:			
BFB			119%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620184S
HYDROLOGIC SAMPLE NUMBER: 9620188
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: LS-8
DATE SAMPLED: 12/16/96
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 12/29/96

METHOD SW 846 8020

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Benzene	71-43-2	10000	BDL
Toluene	**108-88-3**	**10000**	**47700**
Ethylbenzene	**100-41-4**	**10000**	**39700**
Xylenes (Total)	**1330-20-7**	**10000**	**4850000**
Naphthalene	91-20-3	10000	BDL
MTBE		10000	BDL
Surrogate Recovery:			
BFB			91%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: COMPOUNDS WITH ELEVATED SDL ARE DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC.

COMPANY NAME: H 2 O Environmental
COMPANY PROJECT NUMBER: 1715.4066

HYDROLOGIC PROJECT NUMBER: FL9620184B
HYDROLOGIC SAMPLE NUMBER: 9620188B
HYDROLOGIC LAB ID #: 70002
SAMPLE IDENTIFICATION: LS-8
DATE SAMPLED: 12/16/96
DATE EXTRACTED: 12/28/96
DATE/TIME ANALYZED: 12/30/96

METHOD EPA 8100 by 8270

ANALYSIS	CAS NO.	SDL (ug/kg)	RESULT (ug/kg)
Naphthalene	91-20-3	660	6910
Acenaphthylene	208-96-8	660	BDL
Acenaphthene	83-32-9	660	BDL
Fluorene	86-73-7	660	BDL
Phenanthrene	85-01-8	660	BDL
Anthracene	120-12-7	660	BDL
Fluoranthene	**206-44-0**	**660**	**2060**
Pyrene	**129-00-0**	**660**	**5310**
Benzo(a)anthracene	56-55-3	660	BDL
Chrysene	218-01-9	660	BDL
Benzo(b)fluoranthene	205-99-2	660	BDL
Benzo(k)fluoranthene	207-08-9	660	BDL
Benzo(a)pyrene	50-32-8	660	BDL
Indeno(1,2,3-cd)pyrene	193-39-5	660	BDL
Dibenz(a,h)anthracene	53-70-3	660	BDL
Benzo(g,h,i)perylene	191-24-2	660	BDL
Surrogate Recoveries:			
2-Fluorobiphenyl			66%
Nitrobenzene	98-95-3		62%
p-Terphenyl			60%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
FAX [illegible] / TOLL FREE 800 [illegible]

HYDROLOGIC, INC.

COMPANY NAME:	H 2 O Environmental
COMPANY PROJECT NUMBER:	1715.4066
HYDROLOGIC PROJECT NUMBER:	FL9620184S
HYDROLOGIC SAMPLE NUMBER:	9620188
HYDROLOGIC LAB ID #:	70002
SAMPLE IDENTIFICATION:	LS-8
DATE SAMPLED:	12/16/96
DATE EXTRACTED:	12/28/96
DATE/TIME ANALYZED:	12/30/96 12/23/96

METHOD TPH 3550/5030

ANALYSIS	CAS NO.	SDL (mg/kg)	RESULT (mg/kg)
Diesel		30.0	9320
Surrogate Recoveries:			
Nonane			135%
Pentacosane			156%
Gasoline		500	17400
Surrogate Recovery:			
BFB			80%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: DIESEL ANALYUSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.
GASOLINE ANALYSIS: ELEVATED SDL IS DUE TO A SAMPLE DILUTION.

1491 TWILIGHT TRAIL FRANKFORT, KY 40601
502-223-0251 FAX: 502-875-8016 TOLL FREE 800-728-2251

HYDROLOGIC, INC. FL 96201 80

Chain of Custody Record

☐ 122 Lyman Street, Asheville, NC 28801, (704)254-5169, FAX (704) 252-9711
☐ 410 New Salem Highway #106, Murfreesboro, TN 37129, (615) 848-6810, FAX (615) 848-6805
☒ 1491 Twilight Trail, Frankfort, KY 40601, (502) 223-0251, FAX (502) 875-8016
☐ 2003 North Pine Street, Lumberton, NC 28358, (910) 738-6190, FAX (910) 671-8837
☐ I-85 S Bldg. 2848, Charlotte, NC 28208, (704) 392-1164, FAX (704) 392-9073
☐ 2500 Gateway Centre, Morrisville, NC 27560, (919) 380-9699, FAX (919) 380-9717
☐ 4875 Riverside Drive, Macon, GA 31210, (912) 757-0811, FAX (912) 757-0149
☐ 695 N Seventh Ave, Brighton, CO. 80601, (303) 659-0497, FAX (303) 659-5064

Client: H20 ENVIRONMENT	Project No.: 1715.4066
Report Address: 130 CENTRUM DR. 3B	Invoice Address: IRMO SC 29063
Attn: Joe Farry	Attn:
Phone No.: 803 749 4080	Sampled By: J. WALTERS
Fax No.: 803 749 9911	P.O. No: N0134
	State Samples Collected: SC

TURNAROUND TIME STANDARD

☐ 24 Hours ☐ 48 Hours

☐ 5 Days ☐ 10 Days Date Needed: _____

REQUESTED PARAMETERS

LAB CODE I.D.
A = Asheville, NC
C = Charlotte, NC
D = Denver, CO
G = Macon, GA
K = Frankfort, KY
L = Lumberton, NC
M = Morrisville, NC
S = Subcontracted
T = Murfreesboro, TN

Sample ID	Date	Time	Comp/Grab	Matrix	Containers	TPH Gas (5030)	TPH Diesel (3550)	BTEX, Naphthalene (8020)	PAH (8270)	TPH Oil & Grease (9071)	TPH 5030/3550 w/ 8015M					← Preserv.	REMARKS
LS-1	12-14-96	1300	G	Soil	1	✓	✓	✓	✓	✓	✓						Field PID - 490 ppm
LS-2	↓	1400	G	Soil	1	✓	✓	✓	✓	✓	✓						- 780 ppm
LS-3	↓	1500	G	Soil	1	✓	✓	✓	✓	✓	✓						- 40 ppm
LS-5	↓	1600	G	Soil	1	✓	✓	✓	✓	✓	✓						- 810 ppm
LS-8	12-16-96	1000	G	Soil	1	✓	✓	✓	✓	✓	✓						>2000 ppm
Lab Use Only			Custody Seal: ☐Yes ☐No ☐N/A					K	K		K					Rec. on Ice Init Lab Temp.	Rec. Lab Temp

COMMENTS: Call Joe Farry with Questions.

Relinquished By:	Date / Time	Received By:	Date / Time	Lab Use Only:
[signature]	12-17-96 1430	[signature]	12/17/96 15:00	
[signature]	12/17/96 15:30	[signature]	12/17/96 10	

APPENDIX B

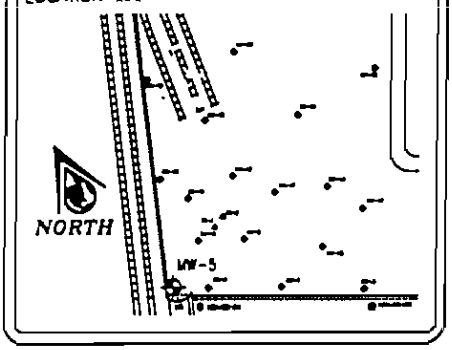
GEOLOGIC LOGS

GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

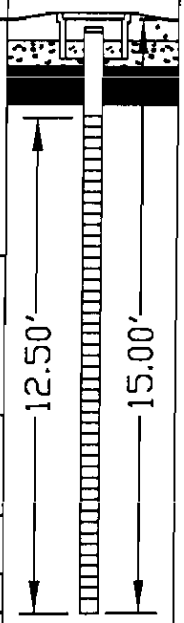


CLIENT: HESS/CHARLESTON SOUTH TERMINAL	
WELL NUMBER: MW-5	LOCATION: 4650 VIRGINIA AVE, CHARLESTON, SC
DATE: 12/19/96	WATER LEVEL: 6.20'
LOGGED BY: K. GILDEMEISTER	DRILLED BY: SEADACCO
DRILLING METHOD: 10.25" HOLLOW STEM AUGER	SAMPLING METHOD: SPLIT SPOON
GRAVEL PACK: 1.5' - 15' / 20-30	SEAL: 1' - 1.5' / BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 4" DIA	LENGTH: 2.5'	HOLE DIA.: 10.25"
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010" / DIAMETER: 4" DIA	LENGTH: 12.5'	TOTAL DEPTH: 15.0'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			
800	2			GRAY-BROWN SILTY CLAY, FINE SAND
320	4			
450	6			
	8			BLUE-GRAY SLIGHTLY SANDY CLAY
	10			VERY DARK GRAY (LOOSE) CLAYEY SAND WITH SHELL FRAGMENTS
	12			
				GRAY SLIGHTLY SANDY CLAY
	14			
270				GRAY CLAYEY SAND, (LOOSE)
	16			LIGHT TAN CLAYEY SAND WITH SHELL FRAGMENTS
	18			----16.0' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION

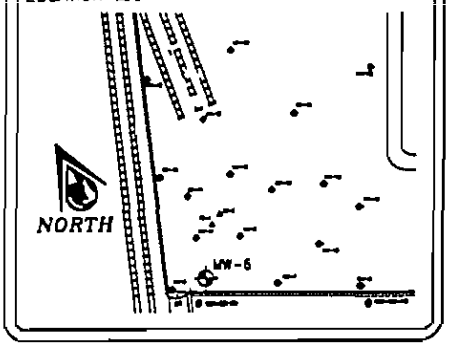


GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

H2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

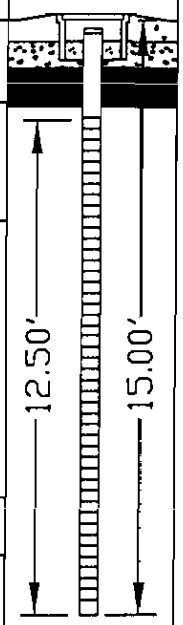


CLIENT: HESS/CHARLESTON SOUTH TERMINAL	
WELL NUMBER: MW-6	LOCATION: 4650 VIRGINIA AVE, CHARLESTON, SC
DATE: 12/17/96	WATER LEVEL: 6.90'
LOGGED BY: K. GILDEMEISTER	DRILLED BY: SEADACCO
DRILLING METHOD: 10.25" HOLLOW STEM AUGER	SAMPLING METHOD: SPLIT SPOON
GRAVEL PACK: 1.5' - 15' / 20-30	SEAL: 1' - 1.5' / BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 4" DIA	LENGTH: 2.5'	HOLE DIA.: 10.25"
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 12.5'
			TOTAL DEPTH: 15.0'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
45	0			BROWN-TAN SILTY FINE SAND WITH QUARTZ PEBBLES
	2			GREENISH GRAY SILTY SAND
715	4			
	6			GRAYISH GREEN, SILTY/CLAYEY SAND
120	8			
	10			
60	12			DARK GRAY SANDY CLAY
	14			GREENISH GRAY SLIGHTLY SANDY CLAY
	16			----16.0' SOIL BORING DEPTH----
	18			
	20			
	22			
	24			
	26			

WELL COMPLETION

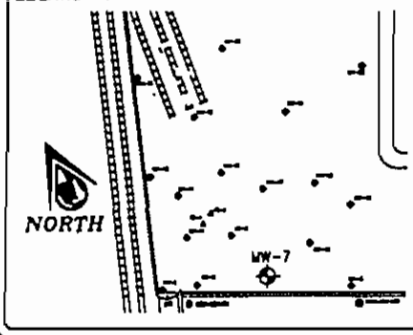


GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

H2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

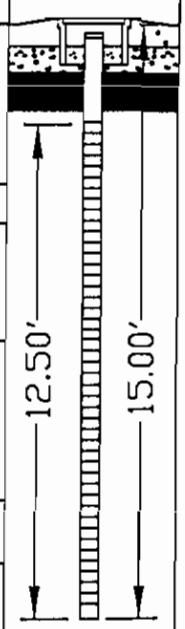


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW-7
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/17/96
WATER LEVEL:	6.80'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.50'- 15.00' / 20-30
SEAL:	1.00' TO 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 4" DIA	LENGTH: 2.50'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 12.50'	TOTAL DEPTH: 15.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			
600	2			DARK BROWN-GRAY SILTY FINE SAND
750	4			TAN TO DARK BROWN SILTY FINE SAND
100	6			GREENISH-BLUE GRAY SANDY CLAY
	8			GRAY SANDY SILTY CLAY
	10			
	12			DARK GRAY SANDY CLAY
560	14			BLUE GRAY SANDY CLAY
	16			----16.0' SOIL BORING DEPTH----
	18			
	20			
	22			
	24			
	26			

WELL COMPLETION



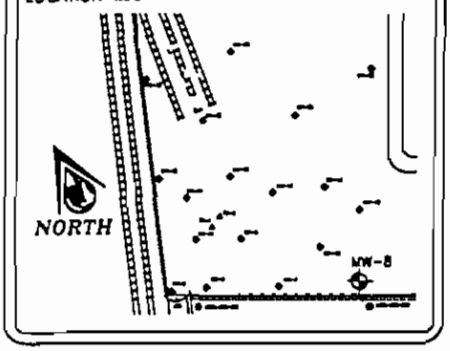
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

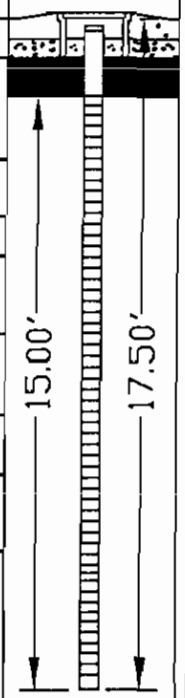


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW—8
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/17/96
WATER LEVEL:	7.60'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.50'- 17.50' / 20-30
SEAL:	1.00' TO 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.50'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.50'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			GRAY SANDY CLAYEY SILT
30	2			RED-BROWN GRAYISH SLIGHTLY SANDY CLAY
45	4			GREENISH GRAY SLIGHTLY SANDY CLAY
	6			BLUE-GRAY SANDY CLAY
35				GRAY SILTY CLAYEY SAND
	8			GRAY SANDY SILTY CLAY
	10			OLIVE GREEN SANDY SILTY CLAY
	12			OLIVE GREEN CLAYEY SILTY MEDIUM SAND
	14			DARK GRAY SLIGHTLY SANDY CLAY
45				
	16			----18.00' SOIL BORING DEPTH----
	18			
	20			
	22			
	24			
	26			

WELL COMPLETION

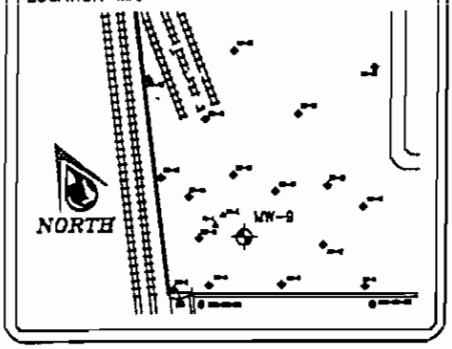


GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

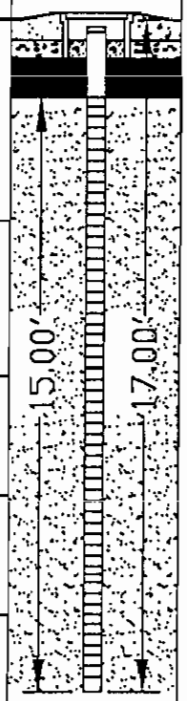


CLIENT: HESS/CHARLESTON SOUTH TERMINAL	
WELL NUMBER: MW—9	LOCATION: 4650 VIRGINIA AVE, CHARLESTON, SC
DATE: 12/19/96	WATER LEVEL: 6.80'
LOGGED BY: K. GILDEMEISTER	DRILLED BY: SAEDACCO
DRILLING METHOD: 10.25" HOLLOW STEM AUGER	SAMPLING METHOD: SPLIT SPOON
GRAVEL PACK: 1.00'- 17.00' / 20-30	SEAL: 0.50' TO 1.00' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.00'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			GRAY-GREEN-TAN SILTY CLAYEY FINE SAND
525	2			
540	4			
500	6			GREEN SANDY CLAY
	8			
	10			LIGHT GREENISH GRAY SLIGHTLY SANDY CLAY
	12			DARK GRAY (LOOSE) CLAYEY SAND WITH SHELL FRAGMENTS, LOOSE
35	14			
	16			LIGHT GREENISH-GRAY SANDY CLAY
8				
	18			----18.00' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION

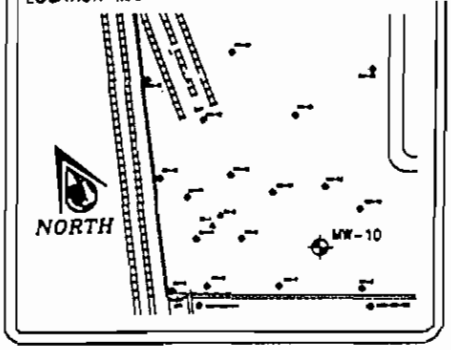


GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

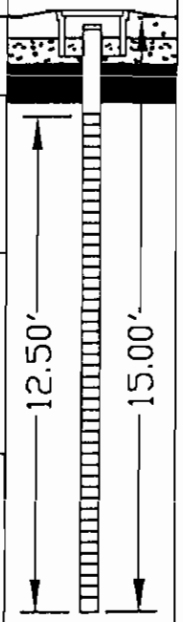


CLIENT: HESS/CHARLESTON SOUTH TERMINAL	
WELL NUMBER: MW-10	LOCATION: 4650 VIRGINIA AVE, CHARLESTON, SC
DATE: 12/18/96	WATER LEVEL: 7.00'
LOGGED BY: K. GILDEMEISTER	DRILLED BY: SAEDACCO
DRILLING METHOD: 10.25" HOLLOW STEM AUGER	SAMPLING METHOD: SPLIT SPOON
GRAVEL PACK: 1.50'- 15.00' / 20-30	SEAL: 1.00' - 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.50'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 12.50'	TOTAL DEPTH: 15.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMO LEVEL
	0			GRAY-TAN SILTY CLAYEY FINE SAND
100	2			TAN-BROWN SANDY CLAY
290	4			
	6			BLUE-GRAY SLIGHTY SANDY CLAY
400	8			
	10			
	12			DARK GRAY SLIGHTLY SANDY CLAY WITH SHELL FRAGMENTS
	14			
	16			
	18			----16.00' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION



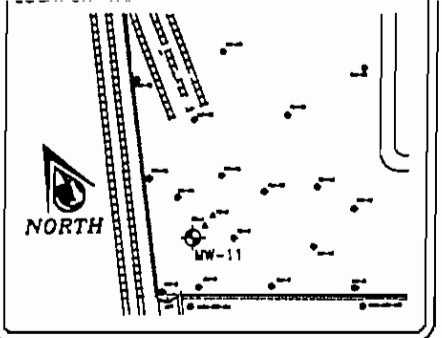
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

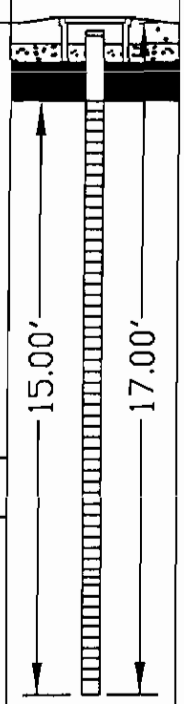


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW—11
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/18/96
WATER LEVEL:	7.70'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.00'- 17.00' / 20-30
SEAL:	0.50' - 1.00' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.00'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			DARK GRAY-TAN SILTY CLAYEY FINE SAND
500	2			
480	4			
	6			
300				
	8			
	10			
	12			GRAY CLAY
	14			DARK GRAY SLIGHTLY SANDY CLAY WITH SHELL FRAGMENTS
	16			
53				
	18			----18.00' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION

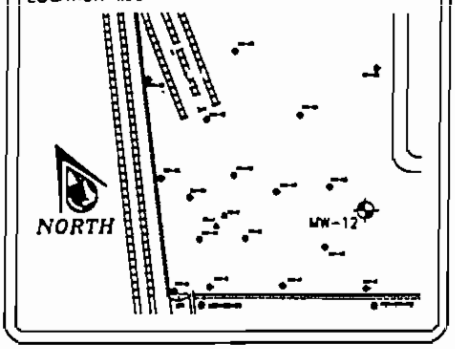


GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

H2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

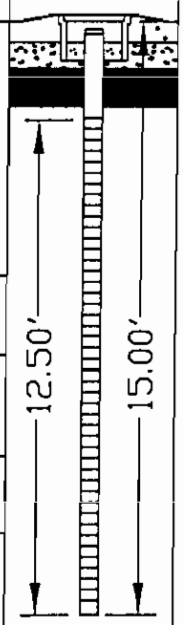


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW-12
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/18/96
WATER LEVEL:	6.00'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.50'- 15.00' / 20-30
SEAL:	1.00' - 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 4" DIA	LENGTH: 2.50'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 12.50'	TOTAL DEPTH: 15.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			DARK GRAY-BROWN SILTY CLAYEY FINE SAND
40	2			
637	4			
	6			
200				LIGHT BLUE GREEN SILTY CLAYEY FINE SAND
	8			
				GREENISH BROWN VERY SILTY CLAYEY FINE SAND WITH SHELL FRAGMENTS
	10			
	12			GRAY SANDY CLAY, LOOSE
	14			GREENISH-GRAY SANDY CLAY
	16			
16	18			----16.00' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION

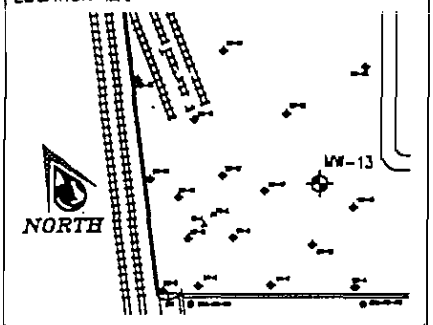


GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

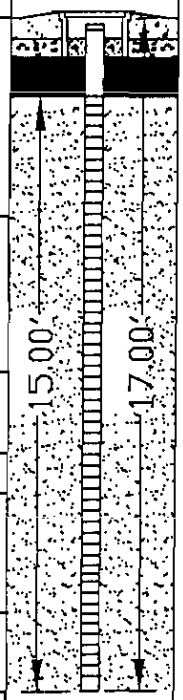


CLIENT: HESS/CHARLESTON SOUTH TERMINAL	
WELL NUMBER: MW—13	LOCATION: 4650 VIRGINIA AVE, CHARLESTON, SC
DATE: 12/20/96	WATER LEVEL: 6.70'
LOGGED BY: K. GILDEMEISTER	DRILLED BY: SAEDACCO
DRILLING METHOD: 10.25" HOLLOW STEM AUGER	SAMPLING METHOD: SPLIT SPOON
GRAVEL PACK: 1.00'– 17.00' / 20–30	SEAL: 0.50' – 1.00' BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 4" DIA	LENGTH: 2.00'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010" / DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNWD LEVEL
	0			BROWN–TAN SANDY CLAY
160	2			
40	4			
280	6			BLUE–GREEN SANDY CLAY
	8			
	10			GRAY SANDY CLAY, LOOSE
	12			LIGHT GRAY–BROWN SANDY CLAY
	14			DARK GREENISH GRAY VERY SANDY CLAY
	16			LIGHT GREENISH GRAY SANDY CLAY, LOOSE
	18			GRAY SANDY CLAY, LOOSE
	20			----18.00' SOIL BORING DEPTH----
	22			
	24			
	26			

WELL COMPLETION



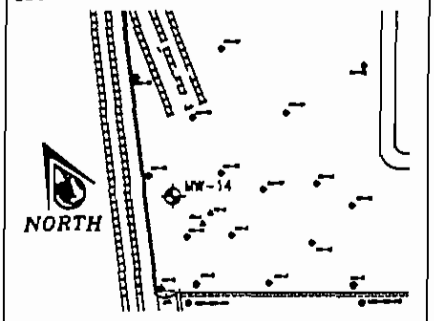
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

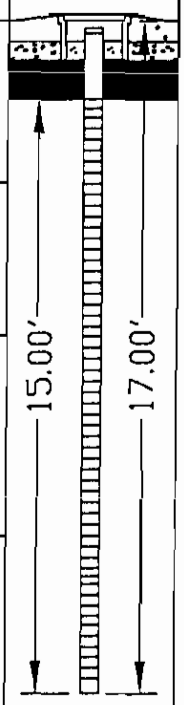


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW—14
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/20/96
WATER LEVEL:	7.40'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.00'- 17.00' / 20-30
SEAL:	0.50' - 1.00' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.00'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			ORANGE-TAN SLIGHTLY CLAYEY SAND (BACKFILL)
185	2			
240	4			
540	6			DARK BROWN VERY CLAYEY SAND
	8			BROWN TO GRAYISH TAN CLAYEY TO VERY CLAYEY SAND, LOOSE
	10			
	12			
	14			DARK BLUE-GRAY SANDY CLAY, LOOSE
	16			
30	18			
	20			----18.00' SOIL BORING DEPTH----
	22			
	24			
	26			

WELL COMPLETION



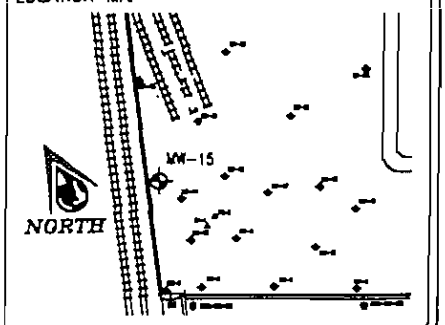
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

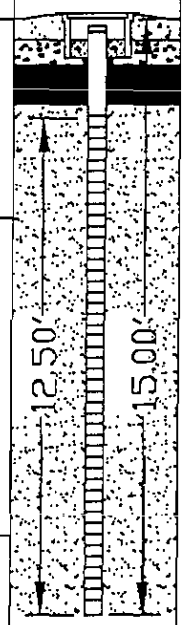


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW-15
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/20/96
WATER LEVEL:	5.90'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.50'- 15.00' / 20-30
SEAL:	1.00' - 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 4" DIA	LENGTH: 2.50'	HOLE DIA.: 10.25" DIA.
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 12.50'	TOTAL DEPTH: 15.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			DARK BROWN SILTY CLAYEY FINE SAND
717	2			
390	4			
	6			DARK TAN SILTY CLAYEY FINE SAND
100				
	8			
	10			
	12			
	14			GRAY SANDY CLAY
	16			
28				
	18			----16.00' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION

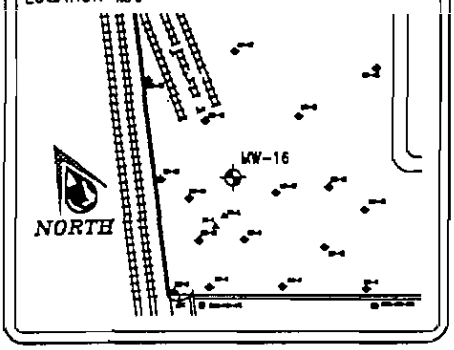


GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

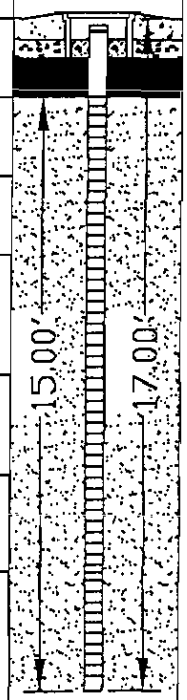


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW-16
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/20/96
WATER LEVEL:	6.20'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.00'- 17.00' / 20-30
SEAL:	0.50' - 1.00' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.00'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNND LEVEL
	0			ORANGE-DARK BROWN SILTY CLAYEY FINE SAND
730	2			BLUE-GREEN GRAY SANDY CLAY
620	4			TAN-BROWN SLIGHTLY SILTY CLAYEY FINE SAND
150	6			OLIVE GREEN SANDY CLAY
	8			
	10			GRAY SANDY CLAY, LOOSE
	12			VERY DARK GRAY CLAYEY SAND WITH SHELL FRAGMENTS, VERY LOOSE
	14			GREENISH GRAY SANDY CLAY
	16			
30	18			
	20			----18.00' SOIL BORING DEPTH----
	22			
	24			
	26			

WELL COMPLETION



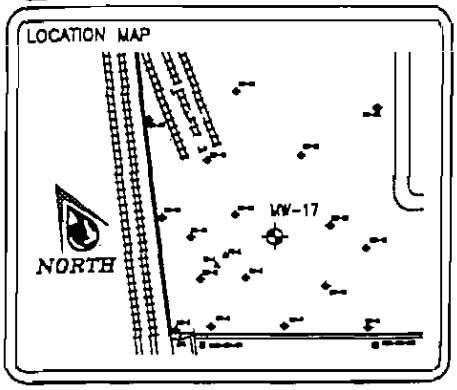
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

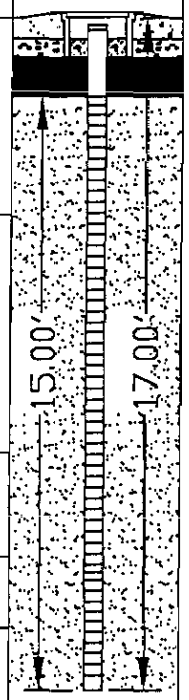


CLIENT: HESS/CHARLESTON SOUTH TERMINAL	
WELL NUMBER: MW-17	LOCATION: 4650 VIRGINIA AVE, CHARLESTON, SC
DATE: 12/20/96	WATER LEVEL: 6.40'
LOGGED BY: K. GILDEMEISTER	DRILLED BY: SAEDACCO
DRILLING METHOD: 10.25" HOLLOW STEM AUGER	SAMPLING METHOD: SPLIT SPOON
GRAVEL PACK: 1.00'- 17.00' / 20-30	SEAL: 0.50' - 1.00' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.00'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNND LEVEL
	0			BROWN-TAN SILTY CLAYEY FINE SAND
1700	2			
2100	4			
1400	6			GRAY SANDY CLAY, SAND DENSITY DECREASES WITH DEPTH
	8			
	10			
	12			DARK GRAY VERY CLAYEY SAND WITH SHELL FRAGMENTS
	14			GREENISH GRAY SANDY CLAY
	16			TANNISH BROWN SANDY CLAY
18	18			----18.00' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION



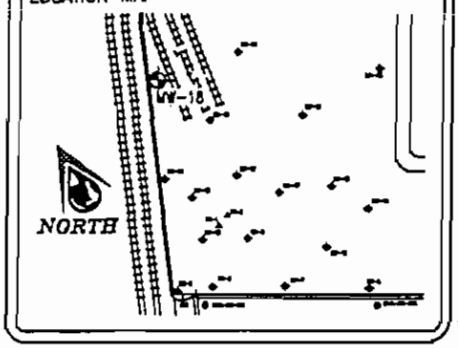
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

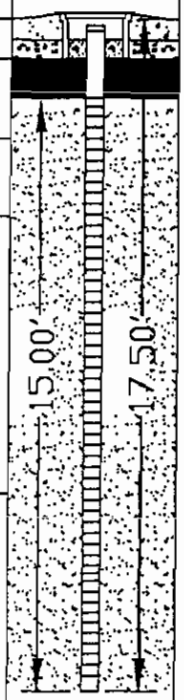


CLIENT: HESS/CHARLESTON SOUTH TERMINAL	
WELL NUMBER: MW-18	LOCATION: 4650 VIRGINIA AVE, CHARLESTON, SC
DATE: 12/17/96	WATER LEVEL: 7.40'
LOGGED BY: K. GILDEMEISTER	DRILLED BY: SAEDACCO
DRILLING METHOD: 10.25" HOLLOW STEM AUGER	SAMPLING METHOD: SPLIT SPOON
GRAVEL PACK: 1.50'- 17.50' / 20-30	SEAL: 1.00' TO 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.50'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.50'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			BROWN-GRAY SANDY CLAYEY SILT
2600	2			TAN VERY SANDY SILT
1700	4			LIGHT TAN SILTY FINE SAND
	6			LIGHT GRAY SLIGHTLY SANDY CLAYEY SILT, SATURATED SOIL AT 7.0 FEET
	8			
200	10			
	12			
	14			DARK GRAY SANDY SILTY CLAY
	16			
130	18			----18.00' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION



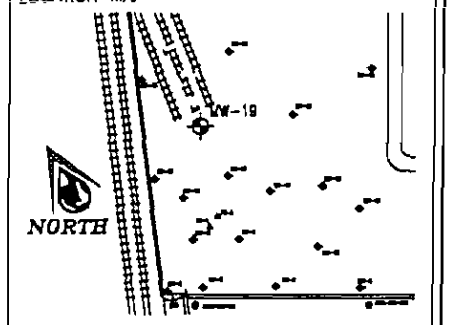
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

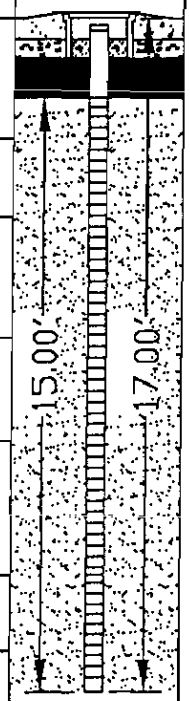


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW—19
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/19/96
WATER LEVEL:	00.00'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.00'- 17.00' / 20-30
SEAL:	0.50' - 1.00' BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 4" DIA	LENGTH: 2.00'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010" / DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			DARK GRAY SANDY CLAY
525	2			
380	4			DARK GRAY CLAYEY SAND
700	6			BROWN SILTY CLAYEY SAND
	8			BROWN, SLIGHTLY SANDY, VERY SILTY CLAY, LOOSE
680	10			
	12			TANNISH BROWN, SLIGHTLY SANDY, VERY SILTY CLAY, LOOSE
	14			DARK GRAY CLAYEY SAND, SHELL FRAGMENTS
	16			GREENISH GRAY SANDY CLAY
18	18			----18.00' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION



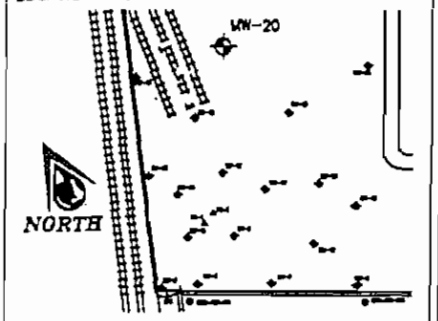
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

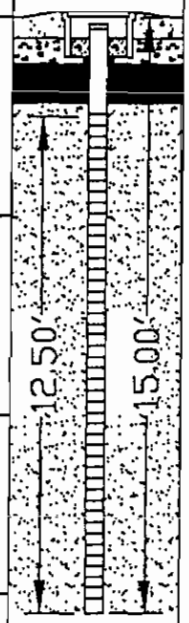


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW-20
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/18/96
WATER LEVEL:	6.40'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.50'- 15.00' / 20-30
SEAL:	1.00' - 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.50'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 12.50'	TOTAL DEPTH: 15.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			GRAY-BROWN SILTY CLAYEY FINE SAND
586	2			
1600	4			
	6			LIGHT GRAY SANDY CLAY
436	8			
	10			DARK GRAY SLIGHTY SANDY CLAY
	12			
	14			
241	16			GRAY TO LIGHT GRAY CLAYEY SAND
	18			
	20			----16.00' SOIL BORING DEPTH----
	22			
	24			
	26			

WELL COMPLETION



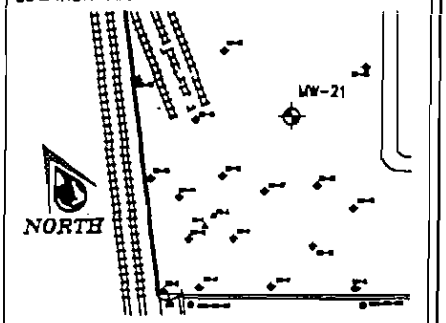
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

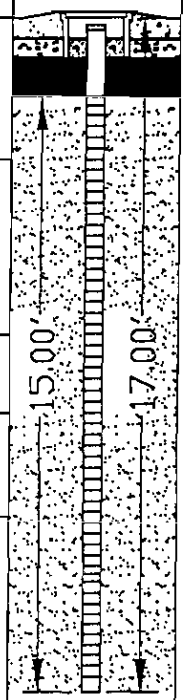


CLIENT: HESS/CHARLESTON SOUTH TERMINAL	
WELL NUMBER: MW-21	LOCATION: 4650 VIRGINIA AVE, CHARLESTON, SC
DATE: 12/20/96	WATER LEVEL: 5.80'
LOGGED BY: K. GILDEMEISTER	DRILLED BY: SAEDACCO
DRILLING METHOD: 10.25" HOLLOW STEM AUGER	SAMPLING METHOD: SPLIT SPOON
GRAVEL PACK: 1.00'- 17.00' / 20-30	SEAL: 0.50' - 1.00' BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 4" DIA	LENGTH: 2.00'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 15.00'	TOTAL DEPTH: 17.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			DARK BROWN TAN SILTY CLAYEY FINE SAND
900	2			
1100	4			LIGHT BLUE GRAY SANDY CLAY
200	6			
	8			LIGHT GRAY SANDY SILTY CLAY, LOOSE
	10			GRAY SANDY CLAY
	12			
	14			DARK GRAY-BROWN SANDY CLAY, LOOSE
	16			
40	18			----18.00' SOIL BORING DEPTH----
	20			
	22			
	24			
	26			

WELL COMPLETION



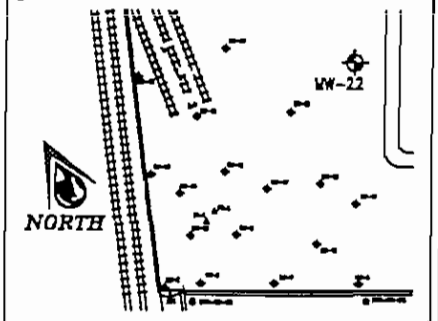
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

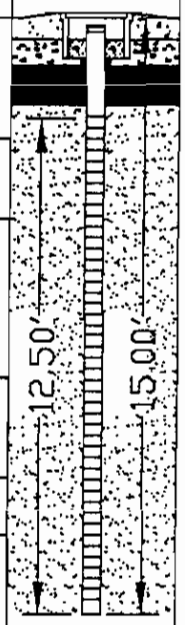


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	MW-22
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/18/96
WATER LEVEL:	5.70'
LOGGED BY:	K. GILDEMEISTER
DRILLED BY:	SAEDACCO
DRILLING METHOD:	10.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.50'- 15.00' / 20-30
SEAL:	1.00' - 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC		DIAMETER: 4" DIA	LENGTH: 2.50'	HOLE DIA.: 10.25" DIA
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 4" DIA	LENGTH: 12.50'	TOTAL DEPTH: 15.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNMD LEVEL
	0			GRAY-BROWN SILTY CLAYEY FINE SAND
160	2			
318	4			BLUE GREEN SANDY CLAYEY SILT
	6			BLUE GRAY SANDY CLAY
43	8			
	10			TAN SLIGHTLY SANDY CLAY
	12			DARK GRAY SANDY CLAY
	14			GREEN SANDY CLAY WITH GRAVEL AND COARSE SAND
36	16			----16.00' SOIL BORING DEPTH----
	18			
	20			
	22			
	24			
	26			

WELL COMPLETION

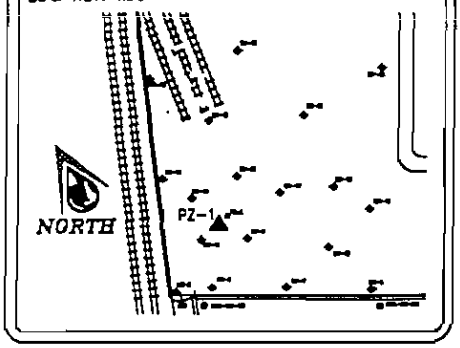


GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

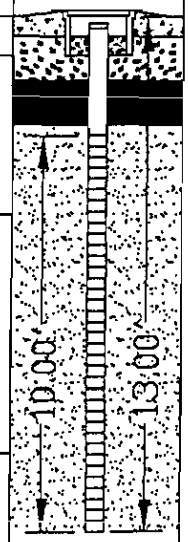


CLIENT: HESS/CHARLESTON SOUTH TERMINAL	
WELL NUMBER: PZ — 1	LOCATION: 4650 VIRGINIA AVE, CHARLESTON, SC
DATE: 12/21/96	WATER LEVEL: 6.40'
LOGGED BY: J. FARRY	DRILLED BY: SAEDACCO
DRILLING METHOD: 6.25" HOLLOW STEM AUGER	SAMPLING METHOD: SPLIT SPOON
GRAVEL PACK: 1.50'- 13.00' / 20-30	SEAL: 1.00' - 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 2" DIA	LENGTH: 3.00'	HOLE DIA.: 6.25"
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 2" DIA	LENGTH: 10.00'	TOTAL DEPTH: 13.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNND LEVEL
	0			BLACK GRANITE GRAVEL, .5"-1"
470	2			LIGHT GRAY SILTY CLAYEY FINE SAND
620	4			
	6			LIGHT GRAY SILTY CLAY, SOFT
550	8			
	10			
	12			BROWN SILTY CLAY
540	14			----13.00' SOIL BORING DEPTH----
	16			
	18			
	20			
	22			
	24			
	26			

WELL COMPLETION



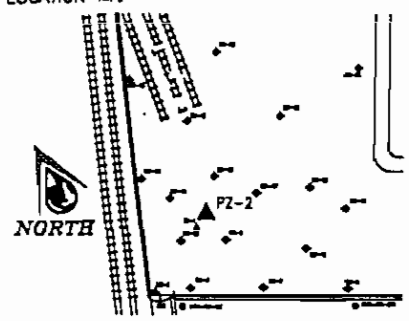
GEOLOGIC LOG

PROJECT NUMBER: 1715.4066

PAGE 1 OF 1

H_2O ENVIRONMENTAL, INC.
SCIENTISTS & ENGINEERS

LOCATION MAP

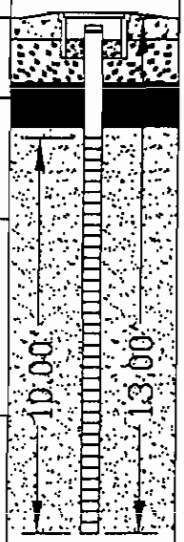


CLIENT:	HESS/CHARLESTON SOUTH TERMINAL
WELL NUMBER:	PZ—2
LOCATION:	4650 VIRGINIA AVE, CHARLESTON, SC
DATE:	12/21/96
WATER LEVEL:	6.80'
LOGGED BY:	J. FARRY
DRILLED BY:	SAEDACCO
DRILLING METHOD:	6.25" HOLLOW STEM AUGER
SAMPLING METHOD:	SPLIT SPOON
GRAVEL PACK:	1.50'- 13.00' / 20-30
SEAL:	1.00' - 1.50' BENTONITE

CASING TYPE: SCHEDULE 40 PVC	DIAMETER: 2" DIA	LENGTH: 3.00'	HOLE DIA.: 6.25"
SCREEN TYPE: SCHEDULE 40 PVC	SLOT: .010"	DIAMETER: 2" DIA	LENGTH: 10.00'	TOTAL DEPTH: 13.00'

OVA (ppm)	DEPTH (feet)	LABORATORY SAMPLE	PENETRATION RESISTANCE	LITHOLOGY / REMARKS
				GROUNND LEVEL
	0			BLACK SILTY CLAYEY SAND
750	2			
				LIGHT GRAY SILTY CLAYEY FINE SAND
720	4			
	6			LIGHT GRAY SILTY CLAY
220				
	8			
	10			BROWN SILTY CLAY
	12			
210				
	14			----13.00' SOIL BORING DEPTH----
	16			
	18			
	20			
	22			
	24			
	26			

WELL COMPLETION



APPENDIX C

RESULTS OF PUMPING TEST ANALYSIS

PUMPING TEST DATA

Amerada Hess Charleston Terminal
4650 Virginia Avenue
North Charleston, South Carolina

PZ-1

Time (sec) Static	Drawdown (ft)
0.50	0.01
0.75	0.02
0.83	0.02
0.92	0.03
1.00	0.04
1.50	0.12
2.00	0.23
2.50	0.32
3.00	0.40
3.50	0.46
4.00	0.52
5.00	0.62
6.00	0.69
7.00	0.76
8.00	0.82
9.00	0.87
10.00	0.92
11.00	0.95
71.58	0.97
86.58	0.97
146.58	0.97
161.58	0.99

PZ-2

Time (sec) Static	Drawdown (ft)
0.17	0.01
0.25	0.01
0.42	0.01
0.50	0.01
0.58	0.01
0.67	0.01
0.75	0.01
0.83	0.01
1.50	0.01
2.00	0.02
2.50	0.08
3.00	0.11
3.50	0.14
4.00	0.17
5.00	0.21
6.00	0.26
7.00	0.29
8.00	0.32
9.00	0.34
10.00	0.36
11.00	0.38
12.00	0.39
13.00	0.41
14.00	0.42
15.00	0.43
26.58	0.49
41.58	0.53
56.58	0.58
71.58	0.61
86.58	0.61
101.58	0.61
116.58	0.61
131.58	0.61
146.58	0.62

MW-6

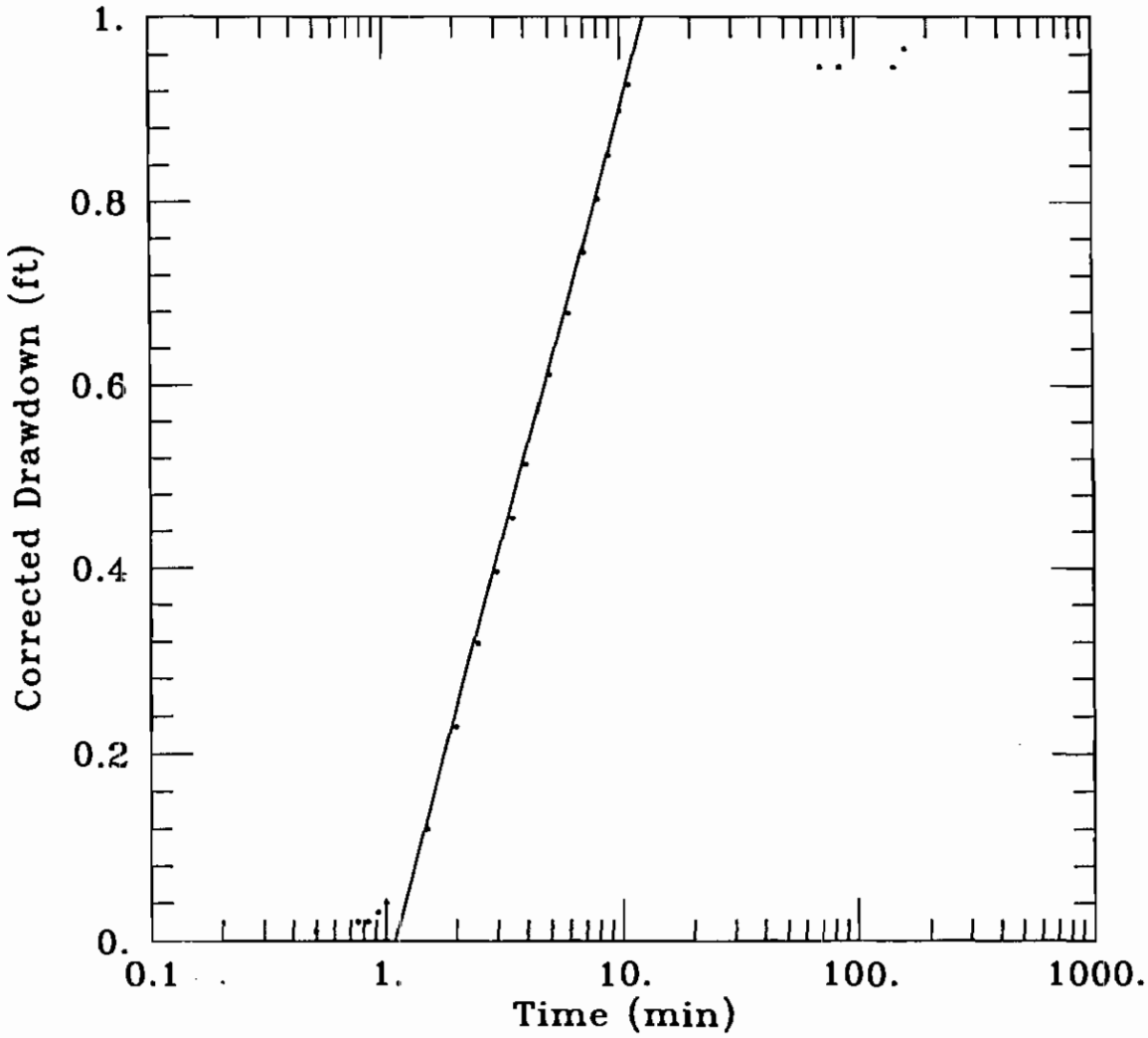
Time (sec) Static	Drawdown (ft)
5.00	0.01
6.00	0.01
7.00	0.01
8.00	0.01
9.00	0.02
10.00	0.02
11.00	0.02
12.00	0.03
13.00	0.03
14.00	0.04
15.00	0.04
26.58	0.08
41.58	0.13
56.58	0.17
71.58	0.20
86.58	0.22
101.58	0.23
116.58	0.24
131.58	0.25
146.58	0.25
161.58	0.25
176.58	0.25
191.58	0.26
206.58	0.27
221.58	0.28
236.58	0.27
251.58	0.27
253.58	0.27
254.58	0.28
255.58	0.28
256.58	0.27
257.58	0.27
258.58	0.27
259.58	0.27
260.58	0.27
261.58	0.26
262.58	0.26
263.58	0.26
264.58	0.26
265.58	0.26
266.58	0.27
266.58	0.28

MW-9

Time (sec) Static	Drawdown (ft)
0.42	0.01
0.75	0.01
5.00	0.02
6.00	0.03
7.00	0.03
8.00	0.07
9.00	0.09
10.00	0.09
11.00	0.10
12.00	0.10
13.00	0.11
14.00	0.12
15.00	0.13
26.58	0.20
41.58	0.26
56.58	0.30
71.58	0.33
101.58	0.34
116.58	0.34
131.58	0.35
146.58	0.36
161.58	0.36
176.58	0.37
191.58	0.37
206.58	0.38
221.58	0.38
251.58	0.39
253.58	0.38
254.58	0.39

Client: AMERADA HESS CORPORATION	Company: H2O ENVIRONMENTAL INC.
Location: CHARLESTON S. TERMINAL	Project: 1715.4066

PUMPING TEST – PZ-1



DATA SET:
PZ1.DAT
01/28/97

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Cooper-Jacob

PROJECT DATA:
test date: 1/17/97
test well: MW-11
obs. well: PZ-1

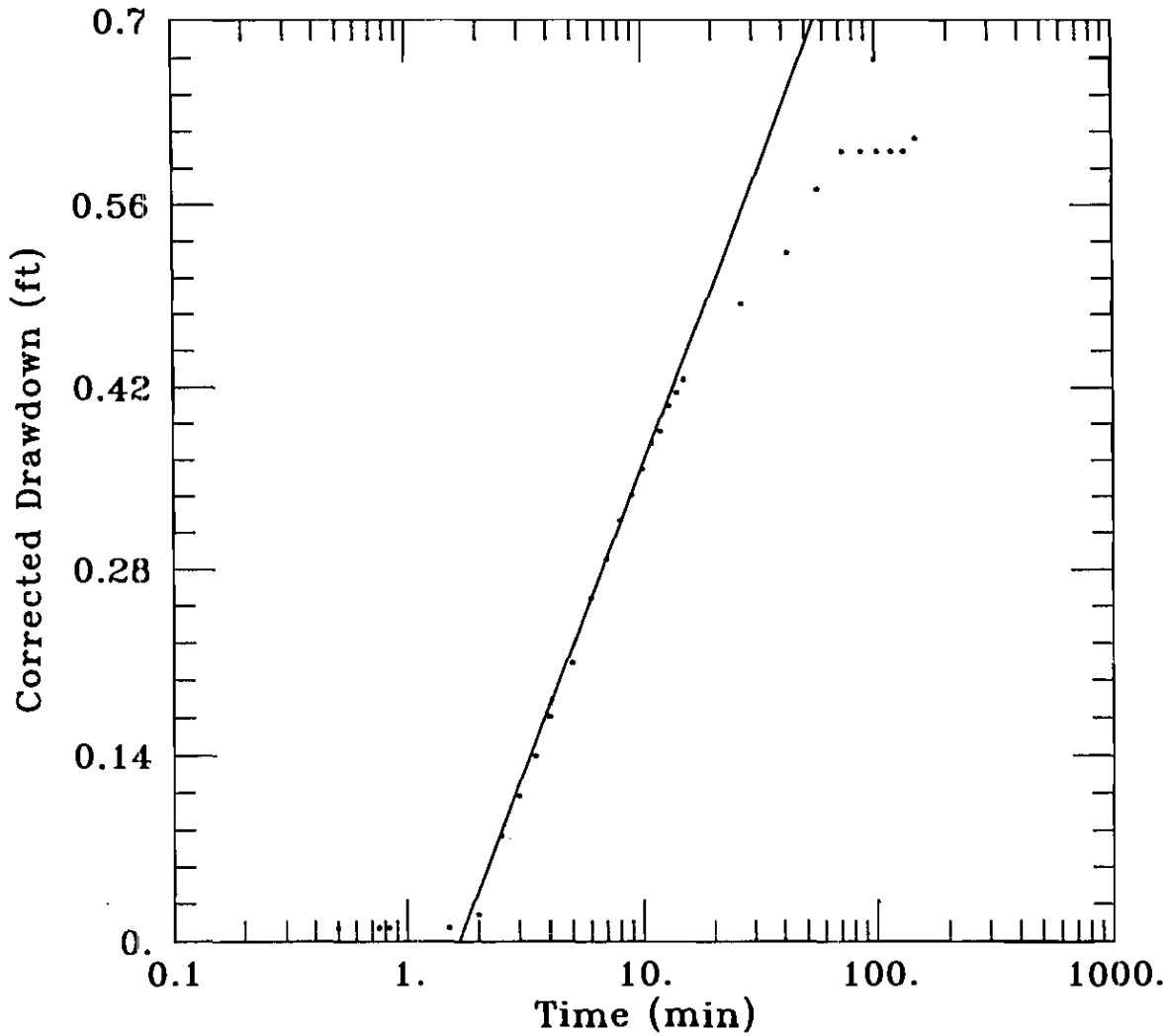
TEST DATA:
$Q = 0.334\ ft^3/min$
$r = 20.29\ ft$
$r_c = 0.17\ ft$
$r_w = 0.35\ ft$
$b = 20.\ ft$

PARAMETER ESTIMATES:
$T = 0.06529\ ft^2/min$
$S = 0.0003892$

AQTESOLV

Client: AMERADA HESS CORPORATION	Company: H2O ENVIRONMENTAL INC.
Location: CHARLESTON S. TERMINAL	Project: 1715.4066

PUMPING TEST – PZ–2



DATA SET:
PZ2.DAT
02/07/97

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Cooper-Jacob

PROJECT DATA:
test date: 1/17/97
test well: MW-11
obs. well: PZ-2

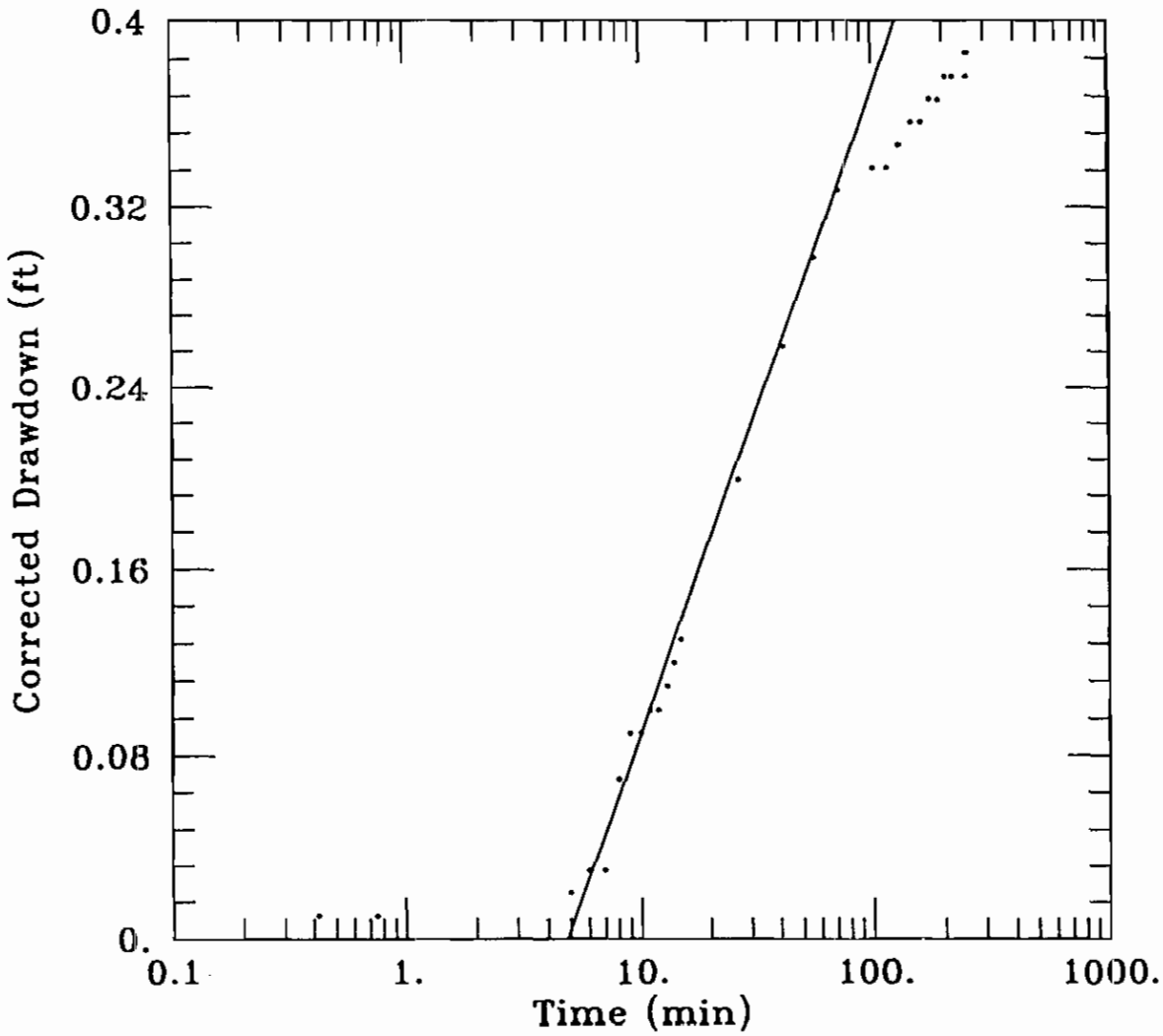
TEST DATA:
$Q = 0.334\ ft^3/min$
$r = 31.06\ ft$
$r_c = 0.17\ ft$
$r_w = 0.35\ ft$
$b = 20.\ ft$

PARAMETER ESTIMATES:
$T = 0.1332\ ft^2/min$
$S = 0.0005117$

AQTESOLV

Client: **AMERADA HESS CORPORATION**	Company: **H2O ENVIRONMENTAL INC.**
Location: **CHARLESTON S. TERMINAL**	Project: **1715.4066**

PUMPING TEST – MW-9



DATA SET:
MW9.DAT
01/28/97

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Cooper-Jacob

PROJECT DATA:
test date: 1/17/97
test well: MW-11
obs. well: MW-9

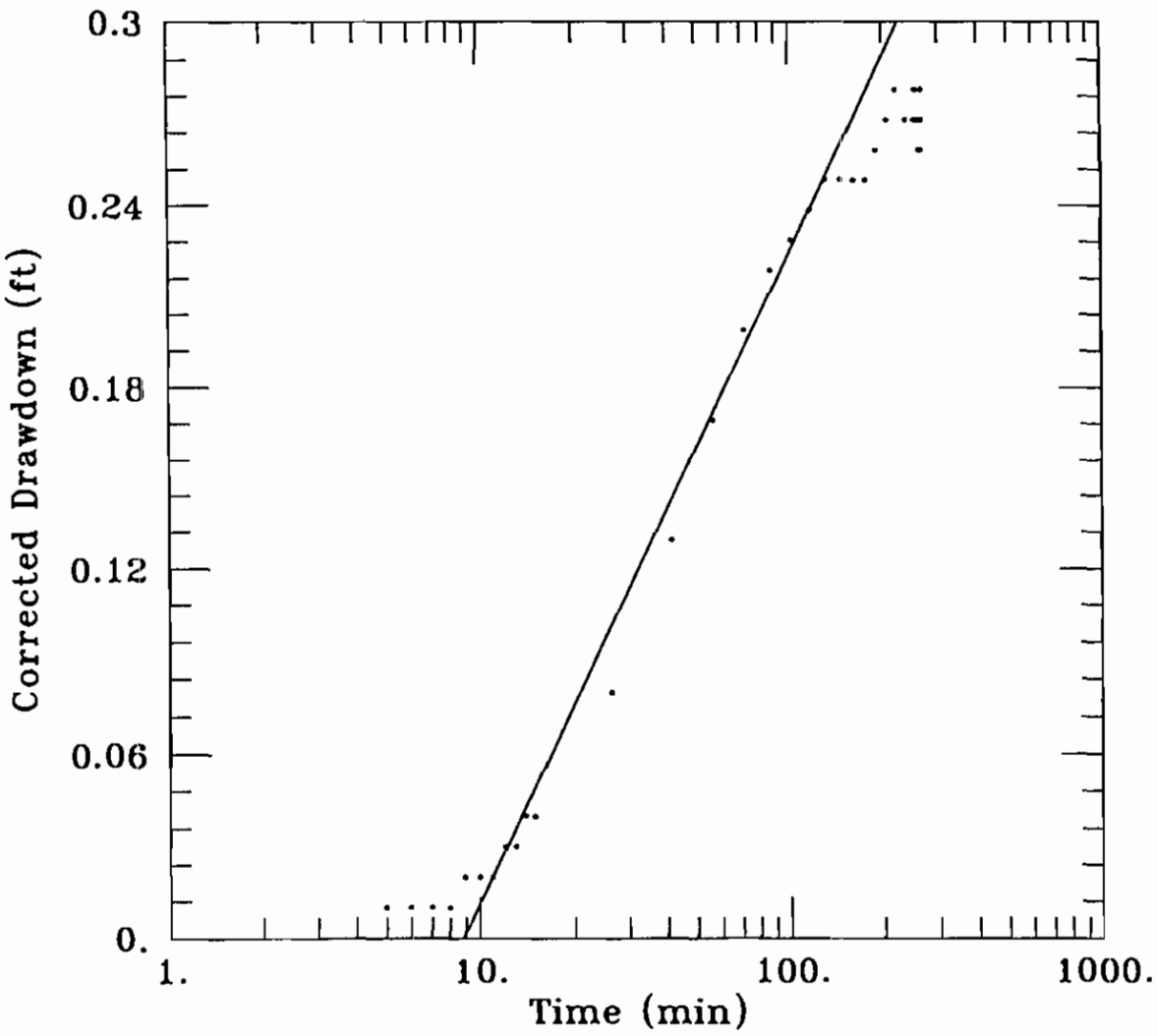
TEST DATA:
$Q = 0.334\ ft^3/min$
$r = 47.37\ ft$
$r_c = 0.17\ ft$
$r_w = 0.35\ ft$
$b = 20.\ ft$

PARAMETER ESTIMATES:
$T = 0.2178\ ft^2/min$
$S = 0.001054$

AQTESOLV

Client: AMERADA HESS CORPORATION	Company: H2O ENVIRONMENTAL INC.
Location: CHARLESTON S. TERMINAL	Project: 1715.4066

PUMPING TEST – MW-6



DATA SET:
MW6.DAT
01/28/97

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Cooper-Jacob

PROJECT DATA:
test date: 1/17/97
test well: MW-11
obs. well: MW-6

TEST DATA:
$Q = 0.334\ ft^3/min$
$r = 50.69\ ft$
$r_c = 0.17\ ft$
$r_w = 0.35\ ft$
$b = 20.\ ft$

PARAMETER ESTIMATES:
$T = 0.2871\ ft^2/min$
$S = 0.002225$

AQTESOLV

APPENDIX D

DISPOSAL MANIFEST

ENVIRONMENTAL TRANSPORTATION SERVICES INC.

Subsidiary of AMETECH, INC.

1813 S.E. 25th Street, P.O. Box 36118, Oklahoma City, OK 73136
24 Hour Local: (405) 677-8781 24 Hour WATS (800) 677-1772

PERMIT NUMBERS EPA ID: OKD 981605363 ICC: MC 172870

141255-E

1715.4066
Charleston Term.

DATE OF PICKUP	ETS DISPATCH#	P.O. #
1-17-97	76954	

PICKUP LOCATION	GENERATOR NAME / ADDRESS	Amoco & Hess Corp.
	CITY, STATE, ZIP CODE	5150 Virginia Ave. - Charleston, S.C. -
DISPOSAL LOCATION	DISPOSAL FACILITY NAME / ADDRESS	Industrial Water Services, Inc.
	CITY, STATE, ZIP CODE	1640 Talleyrand Ave. - Jacksonville, FL. - 32206

DRIVER#1	DRIVER#2	TRACTOR#	TRAILER#
Mark A. Hunter	N/A	9024	377

US DOT DESCRIPTION (Include Proper Shipping Name, Hazard Class, and ID Number)
RQ, Waste Gasoline, Mixture, 3, UN1203, PG II
(EPA-D001, D018) RQ=10165, ERG 27

TOTAL QUANTITY				MANIFEST DOCUMENT NUMBER
1-TT 11,808	☐ YD³	☒ GALS. ☐ BBLS.	☐ LBS.	97001

GENERATOR APPT. TIME	START DATE/TIME	FINISH DATE/TIME	TOTAL TIME
1-17-97/08:00	1-17-97/08:00	1-17-97/16:15	Hrs.

EXPLANATION OF PICKUP TIME
Loaded RW from drums and storage tank, balance of time pulling monitoring well tests.

I HAVE INSPECTED THE TRAILER AND CERTIFY IT ACCEPTABLE FOR LOADING AND VERIFY THAT THE TIMES AND EXPLANATION LISTED ABOVE ARE CORRECT.
GENERATOR REPRESENTATIVE SIGNATURE X

****

SPLIT LOAD DELIVERY INFORMATION ONLY

TRIP START (CITY)	DATE	ETS DISPATCH#	DRIVER#1	DRIVER#2	TRACTOR#
		A			
TRIP START (CITY)	DATE	ETS DISPATCH#	DRIVER#1	DRIVER#2	TRACTOR#
		B			

****

DISPOSAL APPT. DATE/TIME	ARRIVAL TIME	DEPARTURE DATE/TIME	TOTAL TIME	DEMURRAGE TIME
			Hrs.	Hrs.

EXPLANATION OF DELIVERY DEMURRAGE TIME

I HAVE INSPECTED THE TRAILER AND CERTIFY IT COMPLETELY EMPTY AND VERIFY THAT THE TIMES AND EXPLANATION LISTED ABOVE ARE CORRECT.
DISPOSAL FACILITY REPRESENTATIVE SIGNATURE X

GENERATOR

EMSL

General Engineering Laboratories, Inc.
2040 Savage Road
PO Box 30712
Charleston, SC 29414

Monday, December 16, 1996

Ref Number: CA962687

POLARIZED LIGHT MICROSCOPY (PLM)

Project: 3RIN00296

SAMPLE	LOCATION	APPEARANCE	SAMPLE TREATMENT	ASBESTOS %	ASBESTOS TYPE	NONASBESTOS %	NONASBESTOS FIBROUS	NONASBESTOS %	NONASBESTOS NONFIBROUS
	Roof	Grey/White/Green Fibrous Heterogeneous	Crushed/Dissolved	25%	Chrysotile		None Detected	75%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. e.g., "# of Layers" refers to number of separable subsamples.

Rachel Travis
Analyst

Approved
Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Floor tile and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested is clearly inaccurate and another lacked sample.

OF LADING
OF DA HESS CORPORATION

SHIPPER'S U.S. EPA ID NO. (If Applicable): SCR000004499

B.O.L. NO.: 1 1 1 1 /

PAGE 1 OF 1

PER'S NAME AND MAILING ADDRESS
AMERADA HESS CORPORATION
Hess Plaza, WB-6, ENVIRONMENTAL DEPT.
Woodbridge, New Jersey 07095
(908) 750-6000 (24 Hour Emergency Phone Number)

SHIP FROM ADDRESS AND STATION NUMBER
Hess Charleston - South Terminal
4650 Virginia Ave.
North Charleston, SC 29406
803-554-1581

NSPORTER COMPANY NAME	U.S. EPA ID NUMBER (IF APPLICABLE)	TRANSPORTER'S PHONE
3R of Charleston	NA	803-747-2369
		TRANSPORTER'S PHONE

TINATION FACILITY NAME AND SITE ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE FACILITY'S ID
Chambers-Oakridge Landfill, Inc. 2433 Highway 78 Dorchester, SC 29437	NA	D W P 1 3 0
		FACILITY'S PHONE 800-952-5814

H.M.	U.S. DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO.
X	Asbestos, 9, NA2212, PG III ERG #171	XX1	CM	500	SF	NA

MPOSITION (VOL. %) FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
Non-Friable, Non-Regulated ACM-100%	c.	a.	c.
	d.	b.	d.

ECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION: HESS CODE M035 WCN 970048
Non-Friable, Non-Regulated ACM from loading rack roof removal

RUCK LIC. PLATE NO. 2369 S.C. TRAILER LIC. PLATE NO. TRANS. PERMIT NO.

IPPER'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
BRADFORD C. BRUNDAGE	Bradford C. Brundage	03 07 97

RANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
R. BATEY	R Batey	3 7 97

DISCREPANCY INDICATION SPACE

ACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS B.O.L.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
[illegible]	[illegible]	03 07 97

IC 3 (BLANK)
06

DISTRIBUTION:
WHITE - DESTINATION FACILITY: (Facility Mails to Shipper)
CANARY - DESTINATION FACILITY COPY: (Retain by Facility)
PINK - TRANSPORTER COPY: (Retain by Transporter)
GOLD - SHIPPER COPY: (Retain by Shipper)

Generator

1. Work site name and mailing address Hess Charleston - South Terminal 4650 Virginia Ave. N. Charleston SC	Owner's name Amerada Hess Corp.	Owner's telephone no. 908-750-6000
2. Operator's name and address Amerada Hess Corp. 1 Hess Plaza/WB-6, Woodbridge, NJ 07095		Operator's telephone no. 908-750-6000
3. Waste disposal site (WDS) name, mailing address, and physical site location Chambers-Oakridge LF, Inc. 2183 Highway 78, Dorchester, SC 29437		WDS phone no. 800-952-5814

4. Name, and address of responsible agency
South Carolina DHEC, Asbestos Section, Bureau of Air Quality
2600 Bull St. Columbia, SC 29201-1708

5. Description of materials	6. Containers No.	Type	7. Total quantity m^3 (yd^3)
Non-Friable Roofing ACM	1	CM	550 s.f. ~ 2 yd³

8. Special handling instructions and additional information
Non-Friable, Non-Regulated ACM, wrapped in plastic.

9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Printed/typed name & title	Signature	Month Day Year
Woodrow C. Bragg Proj. Super.	Woodrow C. Bragg	3-7-97

Transporter

10. Transporter 1 (Acknowledgment of receipt of materials)

Printed/typed name & title	Signature	Month Day Year
R Batey Driver Address and telephone no. 747-2369	R Batey	3 7 97

11. Transporter 2 (Acknowledgment of receipt of materials)

Printed/typed name & title	Signature	Month Day Year
Address and telephone no.		

Disposal Site

12. Discrepancy indication space

13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.

Printed/typed name & title	Signature	Month Day Year
Cassie Mussy	Cassie Mussy	3/7/97

(Continued)

Figure 4. Waste Shipment Record

South Carolina
DHEC
Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201-1708

Commissioner: Douglas E. Bryant

Board: John H. Burriss, Chairman
William M. Hull, Jr., MD, Vice Chairman
Roger Leaks, Jr., Secretary

Richard E. Jabbour, DDS
Cyndi C. Mosteller
Brian K. Smith
Rodney L. Grandy

Promoting Health, Protecting the Environment

ASBESTOS ABATEMENT PROJECT LICENSE

License Number: D9702054

CI RD SILLER
AMERADA HESS CORPORATION
HESS PLAZA WB-6
OC OBRIDGE NJ 07095-

TE AMERADA HESS SOUTH TERMINAL; LOADING RACK #3
OCATION: CHARLESTON
MOUNT: 500 SF Non-friable Roofing

The Department has received your disposal request and has approved the disposal of the Waste generated the site as referenced above at the Chambers-Oakridge Landfill, DWP-130. Approval is based on the following ndtions.

1. Prior approval for disposal has been obtained from the landfill operator.
2. Authorization is valid only for the approximated amount specified above and for a reasonable amount of other asbestos-contaminated materials generated;
3. There must be no leakage or spillage during transport to the landfill;
4. You must submit a completed copy of your Waste Shipment Record along with a copy of this letter to this department at the conclusion of the disposal; and
5. This authorization for disposal shall expire 15 days after the issuance of this permit unless otherwise specified by this Department.

he CDHEC Division of Solid Waste Management also has rules which govern the disposal of materials that ave come in contact with lead-based paint. Please contact the Bureau of Land and Waste Management at 803)896-4000 for additional information.

lease be aware, the revised OSHA standards for asbestos removal may apply to the above mentioned project(s). lease contact Becky Warr with the South Carolina Department of Labor at (803)734-9632 for additional nfo nation concerning this standard.

'or additional information concerning South Carolina DHEC regulations dealing with asbestos abatement and isp sal requirements, please contact the Asbestos Section at (803) 734-4517.

Sincerely,

Asbestos Section
Bureau of Air Quality

ermit#: D9702054
ssu: February 27, 1997
: Administrator of Chambers-Oakridge Landfill ,Harold Seabrook, BSHWM

7624

HAZARDOUS MATERIAL MANIFEST
HESS CORPORATION

GENERATOR'S U.S. EPA ID NO: 97061

MANIFEST DOC. NO: 1

PAGE: 1 OF 1

GENERATOR'S NAME AND MAILING ADDRESS
HESS CORPORATION (Terminal Operations)
1 Hess Plaza
Woodbridge, New Jersey 07095
(908) 750-6000 24 Hour Emergency Phone Number

WASTE ORIGIN ADDRESS

TRANSPORTER'S NAME AND ADDRESS: COPPER 3-R-Chem
US EPA ID NUMBER (IF APPLICABLE):
STATE TRANS. ID:
TRANSPORTER'S PHONE: (908) 785-2665

FACILITY'S NAME AND SITE ADDRESS:
US EPA ID NUMBER (IF APPLICABLE):
STATE FACILITY'S ID:
FACILITY'S PHONE: ( )

PRODUCT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL

DISPOSAL METHOD FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
b.	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR LIC. PLATE NO.: TRAILER LIC. PLATE NO.:

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Chris Pinelli	Chris Pinelli	3 8 97

TRANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR

FACILITY: SPECIAL HANDLING SPACE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael Carter II	[signature]	3 8 97

DISTRIBUTION
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

HAZARDOUS MATERIAL MANIFEST
HESS CORPORATION

GENERATOR'S U.S. EPA ID NO: 97061

MANIFEST DOC. NO: 2025 2

PAGE

TRANSPORTER NAME AND ADDRESS
MERADA HESS CORPORATION (Terminal Operations)
Hess Plaza
Woodbridge, New Jersey 07095
24 Hour Emergency Phone Number

WASTE ORIGIN ADDRESS

TRANSPORTER NAME AND ADDRESS: [illegible] 250 [illegible] St [illegible] SC

U.S. EPA ID NUMBER (IF APPLICABLE):

STATE TRANS. ID: SC

TRANSPORTER'S PHONE: ( )

DESTINATION FACILITY NAME AND SITE ADDRESS: [illegible] Soil [illegible] Summerville, SC.

U.S. EPA ID NUMBER (IF APPLICABLE):

STATE FACILITY'S ID:

FACILITY'S PHONE: ( )

DESCRIPTION OF WASTE (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	TYPE	TOTAL QUANTITY	UNIT WT/VOL
Cont. Soil				

DESCRIPTION OF OTHER MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
b.	c.	a.	c.
	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR LIC. PLATE NO.

TRAILER LIC. PLATE NO.

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH	DAY	YEAR
Chris Pinelli	Chris Pinelli	3	8	[illegible]

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH	DAY	YEAR

TRANSIT

FACILITY

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH	DAY	YEAR
Michael Cartell	[signature]			

DISTRIBUTION:
- WHITE — DISPOSAL FACILITY: (Mail to Generator)
- CANARY — DISPOSAL FACILITY COPY
- PINK — TRANSPORTER
- GOLD — GENERATOR

S007024

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1663 Operator : Date : 03/08/97

Vehicle : ROPER18
Customer : 0
Material : S11
Job : 97061 Amerada Hess
1 loads, 16.67 TONS on this job today

Location : Units : 16.67 TONS
Time In : 07:55:33
Time Out : 08:00:56

Gross Wt : 63740 lbs
Tare Wt : 30400 lbs
Net Wt : 33340 lbs
16.67 tons

facility signature
drivers signature

CUSTOMER'S COPY

S007025

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1664 Operator : Date : 03/08/97

Vehicle : ROPER21
Customer : 0
Material : S11
Job : 97061 Amerada Hess
2 loads, 35.94 TONS on this job today

Location : Units : 19.27 TONS
Time In : 07:57:37
Time Out : 08:03:57

Gross Wt : 68800 lbs
Tare Wt : 30260 lbs
Net Wt : 38540 lbs
19.27 tons

facility signature
drivers signature

CUSTOMER'S COPY

NON-HAZARDOUS MATERIAL MANIFEST
AMERICAN HESS CORPORATION

7028 [illegible]

GENERATOR'S I.D. 1661

MANIFEST DOC. NO. 38

PAGE ___ OF ___

GENERATOR'S NAME AND MAILING ADDRESS
AMERADA HESS CORPORATION (Terminal Operations)
HESS PLAZA
Woodbridge, New Jersey 07095
24 Hour Emergency Phone Number

WASTE ORIGIN ADDRESS

TRANSPORTER'S NAME AND ADDRESS: [illegible] TRUCK
CHARLESTONES

U.S. EPA ID NUMBER (IF APPLICABLE):

STATE TRANS. ID:

TRANSPORTER'S PHONE: ( )

DESTINATION FACILITY NAME AND SITE ADDRESS: [illegible] SOIL
SOMERVILLE, NJ

U.S. EPA ID NUMBER (IF APPLICABLE):

STATE FACILITY'S ID:

FACILITY'S PHONE: ( )

DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL
[illegible] SOIL				

DISPOSAL METHOD FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
b.	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR LIC. PLATE NO.

TRAILER LIC. PLATE NO.

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME: CHRIS PINELLI
SIGNATURE: CHRIS PINELLI
MONTH DAY YEAR: 3 8 9

TRANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME: Charles F. Brown Jr.
SIGNATURE: Charles F. Brown Jr.
MONTH DAY YEAR: 3 8 9

FACILITY

RESERVED FOR FACILITY USE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME: Michael Cattell
SIGNATURE: Michael Cattell
MONTH DAY YEAR: 3 8 9

DISTRIBUTION:
WHITE — DISPOSAL FACILITY: (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

7027 NJ

HAZARDOUS MATERIAL MAN. ST
HESS CORPORATION

GENERATOR'S U.S. EPA ID NO: 97061

MANIFEST DOC. NO: 4

PAGE

GENERATOR NAME AND MAILING ADDRESS
HESS CORPORATION (Terminal Operations)
Hess Plaza
Woodbridge, New Jersey 07095
[illegible] 750-6000 24 Hour Emergency Phone Number

WASTE ORIGIN ADDRESS

TRANSPORTER COMPANY NAME AND ADDRESS
[illegible]
[illegible]
[illegible] Twenty St. [illegible]

U.S. EPA ID NUMBER (IF APPLICABLE)

STATE TRANS. ID

TRANSPORTER'S PHONE ( )

DESIGNATED FACILITY NAME AND SITE ADDRESS
[illegible] Fiesta Sink
Hwy 78
[illegible] 56

U.S. EPA ID NUMBER (IF APPLICABLE)

STATE FACILITY'S ID

FACILITY'S PHONE ( )

US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	TYPE	TOTAL QUANTITY	UNIT WT/VOL
Cut Soil				

DISPOSAL METHOD FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
	d	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR LIC. PLATE NO.

TRAILER LIC. PLATE NO.

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Chris Pinelli	Chris Pinelli	3 8 T

TRANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
[illegible]	[illegible]	3 [illegible]

FACILITY

FACILITY REPRESENTATION SPACE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael [illegible]	[illegible]	3 8 9

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

S007026

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1665 Operator : Date : 03/08/97

Vehicle : ROPER10
Customer : 0
Material : S11
Job : 97061 Amerada Hess
3 loads, 54.01 TONS on this job today

Location : Units : 18.07 TONS
Time In : 08:12:49
Time Out : 08:24:50

Gross Wt : 61400 lbs
Tare Wt : 25260 lbs
Net Wt : 36140 lbs
18.07 tons

facility signature
drivers signature

CUSTOMER'S COPY

S007027

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1666 Operator : Date : 03/08/97

Vehicle : ~~ROPER6~~ 3P6
Customer : 0
Material : S11
Job : 97061 Amerada Hess
4 loads, 74.74 TONS on this job today

Location : Units : 20.73 TONS
Time In : 08:09:26
Time Out : 08:28:42

Gross Wt : 74680 lbs
Tare Wt : 33220 lbs
Net Wt : 41460 lbs
20.73 tons

facility signature
drivers signature

CUSTOMER'S COPY

7028

NON-HAZARDOUS MATERIAL MANIFEST
AMERADA HESS CORPORATION

GENERATOR'S U.S. EPA ID NO

MANIFEST DOC. NO: 5

PAGE 1 of 1

GENERATOR'S NAME AND MAILING ADDRESS
AMERADA HESS CORPORATION (Terminal Operations)
Hess Plaza
Woodbridge, New Jersey 07095
(908) 750-6000 24 Hour Emergency Phone Number

WASTE ORIGIN ADDRESS

TRANSPORTER'S COMPANY NAME AND ADDRESS: B & E ENVIRONMENTAL, CHARLESTON, SC

U.S. EPA ID NUMBER (IF APPLICABLE)

STATE TRANS. ID

TRANSPORTER'S PHONE

DESTINATION FACILITY NAME AND SITE ADDRESS: SOUTHEASTERN SOIL, SUMMERVILLE, SC

U.S. EPA ID NUMBER (IF APPLICABLE)

STATE FACILITY ID

FACILITY'S PHONE

DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS AND ID NUMBER)	CONTAINERS NO	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL
CONTAMINATED SOIL				

COMPOSITION CODES FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
b.	c.	a.	c.
	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR U.C. PLATE NO.

TRAILER U.C. PLATE NO.

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
CHRIS PINELLI	CHRIS PINELLI	3 8 9[illegible]

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
DAVID KINSEY	[illegible]	

FACILITY

RESERVED FOR FACILITY USE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael [illegible]	[illegible]	3 8 9[illegible]

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

NJUCK 7028

HAZARDOUS MATERIAL MANIFEST
HESS CORPORATION

GENERATOR'S U.S. EPA ID NO.

MANIFEST DOC. NO. 6 of 7

PAGE

GENERATOR'S NAME AND MAILING ADDRESS
HERADA HESS CORPORATION (Terminal Operations)
1 Hess Plaza
Woodbridge, New Jersey 07095
(201) 750-6000 24 Hour Emergency Phone Number

WASTE ORIGIN ADDRESS

TRANSPORTER COMPANY NAME AND ADDRESS
B & R ENVIRONMENTAL
CHARLESTON, SC

U.S. EPA ID NUMBER (IF APPLICABLE)

STATE TRANS. ID

TRANSPORTER'S PHONE

DESIGNATED FACILITY NAME AND SITE ADDRESS
SOUTH EASTERN SOIL
SUMMERVILLE, SC

U.S. EPA ID NUMBER (IF APPLICABLE)

STATE FACILITY ID

FACILITY'S PHONE

U.S. DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	TYPE	TOTAL QUANTITY	UNIT WT./VOL.
CONT. SOIL				

COMPOSITION CODE(S) FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
b.	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR LIC. PLATE NO.

TRAILER LIC. PLATE NO.

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME: CHRIS PINELLI
SIGNATURE: CHRIS PINELLI
MONTH DAY YR.: 3 8 9

TRANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME: Donald Bolton
SIGNATURE: Donald Bolton
MONTH DAY YR.: 0 3 0 8 9

FACILITY: DESIGNATION SPACE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME: Michael Caudill
SIGNATURE:
MONTH DAY YR.: 3 8 9

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1667 Operator : Date : 03/08/97

Vehicle : [redacted] 3R3
Customer : 0
Material : S11
Job : 97061 Amerada Hess
5 loads, 98.82 TONS on this job today

Location : Units : 24.08 TONS
Time In : 08:11:02
Time Out : 08:36:01

Gross Wt : 90040 lbs
Tare Wt : 41880 lbs
Net Wt : 48160 lbs
24.08 tons

facility signature
drivers signature

CUSTOMER'S COPY

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1668 Operator : Date : 03/08/97

Vehicle : 3R2
Customer : 0
Material : S11
Job : 97061 Amerada Hess
6 loads, 126.85 TONS on this job today

Location : Units : 28.03 TONS
Time In : 08:33:56
Time Out : 08:43:37

Gross Wt : 87960 lbs
Tare Wt : 31920 lbs
Net Wt : 56060 lbs
28.03 tons

facility signature
drivers signature TK2-12

CUSTOMER'S COPY

NON-HAZARDOUS MATERIAL MANIFEST
AMERADA HESS CORPORATION

GENERATOR'S ID NO. 7061

MANIFEST DOC. NO. 1 K LCK 7030

PAGE 1 OF

GENERATOR'S NAME AND MAILING ADDRESS
AMERADA HESS CORPORATION (Terminal Operations)
Hess Plaza
Woodbridge, New Jersey 07095
(908) 750-6000 24 Hour Emergency Phone Number

WASTE ORIGIN ADDRESS

TRANSPORTER'S COMPANY NAME AND ADDRESS
SC ENVIRONMENTAL
CHARLESTON, SC

US EPA ID NUMBER (IF APPLICABLE)

STATE TRANS. ID

TRANSPORTER'S PHONE ( )

DESIGNATED DISPOSAL FACILITY NAME AND SITE ADDRESS
SOUTHEASTERN SOIL
CHARLESTON, SC

US EPA ID NUMBER (IF APPLICABLE)

STATE FACILITY I.D.

FACILITY'S PHONE ( )

US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL
CONT SOIL				

DISPOSITION CODE FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR LIC. PLATE NO.

TRAILER LIC. PLATE NO.

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YR
Chris Pinelli	Chris Pinelli	3 8 97

TRANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YR
Joseph C. Caffs	[illegible]	3 8 97

TRANSPORTER'S CERTIFICATION SPACE

FACILITY

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YR
Michael Cantrell	[illegible]	3 8 97

DISTRIBUTION:
WHITE – DISPOSAL FACILITY (Mail to Generator)
CANARY – DISPOSAL FACILITY COPY
PINK – TRANSPORTER
GOLD – GENERATOR

7031

HAZARDOUS WASTE MANIFEST
AMERADA HESS CORPORATION

GENERATOR'S U.S. EPA ID NO: 97061

MANIFEST DOC NO: 8

PAGE: 1 OF 1

GENERATOR'S NAME AND MAILING ADDRESS
AMERADA HESS CORPORATION (Terminal Operations)
[illegible]
[illegible], New Jersey 07095
[illegible]

WASTE ORIGIN ADDRESS
#97061-wcn970173
CHARLESTON SOUTH TERMINAL

TRANSPORTER NAME AND ADDRESS
THREE R OF CHARLESTON, INC
PO BOX 71544
CHARLESTON, SC 29405

U.S. EPA ID NUMBER (IF APPLICABLE): S C D 9 8 7 5 8 4 3 1 5

STATE TRANS ID: N/A

TRANSPORTER'S PHONE: (803) 747-2369

DESIGNATED FACILITY NAME AND SITE ADDRESS
SSR, INC.
HYW 78 - 101 MELLICHAMP ROAD
SUMMERVILLE, SC 29483

U.S. EPA ID NUMBER (IF APPLICABLE):

STATE FACILITY'S ID: N/A

FACILITY'S PHONE: (803) 875-0530

DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO.
NON-HAZARDOUS SOLID WASTE				TONS	

HANDLING METHOD FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
c.		a.	c.
d.		b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
BRAD Beveridge	Bradford C. Beveridge	03 08 9

TRANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
ALBERT WHITE	Albert White	

FACILITY

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael Clarke II	[illegible]	3 8 9

DISTRIBUTION
WHITE – DISPOSAL FACILITY (Mail to Generator)
CANARY – DISPOSAL FACILITY COPY
PINK – TRANSPORTER
GOLD – GENERATOR

S007030

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1669 Operator : Date : 03/08/97

Vehicle : 3R7
Customer : 0
Material : S11
Job : 97061 Amerada Hess
7 loads, 153.26 TONS on this job today

Location : Units : 26.41 TONS
Time In : 08:35:00
Time Out : 08:50:19

Gross Wt : 86720 lbs
Tare Wt : 33900 lbs
Net Wt : 52820 lbs
26.41 tons

facility signature

drivers signature

CUSTOMER'S COPY

S007031

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1670 Operator : Date : 03/08/97

Vehicle : 3R15
Customer : 0
Material : S11
Job : 97061 Amerada Hess
8 loads, 184.65 TONS on this job today

Location : Units : 31.39 TONS
Time In : 08:44:40
Time Out : 08:54:57

Gross Wt : 95500 lbs
Tare Wt : 32720 lbs
Net Wt : 62780 lbs
31.39 tons

facility signature

drivers signature Albert White

CUSTOMER'S COPY

HAZARDOUS WASTE MANIFE
PROPERTY HESS CORPORATION

GENERATOR U.S. EPA ID NO: 97061

MANIFEST DOC NO: 9 | PAGE 1 OF 1

GENERATOR'S MAILING ADDRESS
EPADA HESS CORPORATION (Terminal Operations)
[illegible] Plaza
Woodbridge, New Jersey 07095
[illegible] 750-6000

WASTE ORIGIN ADDRESS
#97061-wcn970173
CHARLESTON SOUTH TERMINAL

TRANSPORTER NAME AND ADDRESS
THREE R OF CHARLESTON, INC
PO BOX 71544
CHARLESTON, SC 29405

U.S. EPA ID NUMBER (IF APPLICABLE): S C D 9 8 7 5 8 4 3 1 5

STATE TRANS ID: N/A

TRANSPORTER'S PHONE: 803) 747-2369

DESIGNATED FACILITY NAME AND SITE ADDRESS
SSR, INC.
HYW 78 - 101 MELLICHAMP ROAD
SUMMERVILLE, SC 29483

U.S. EPA ID NUMBER (IF APPLICABLE):

STATE FACILITY'S ID: N/A

FACILITY'S PHONE: (803) 875-0530

DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS AND ID NUMBER)	CONTAINERS NO	TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO
NON-HAZARDOUS SOLID WASTE				TONS	

HANDLING CODES FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
	d.	b.	d.

SPECIAL HANDLING AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS

PRINTED/TYPED NAME: BRAD BRUNDAGE | SIGNATURE: Bradford C. Brundage | MONTH DAY YEAR: 03 08 97

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME: Hal Hayward | SIGNATURE: [illegible] | MONTH DAY YEAR: 3 8 97

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME: Michael Caudill | SIGNATURE: [illegible] | MONTH DAY YEAR: 3 8 97

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

HAZARDOUS WASTE MANIFEST
AMERADA HESS CORPORATION

2033

GENERATOR'S US EPA ID NO	MANIFEST DOC NO	PAGE
97061	10	OF

MAILING ADDRESS	WASTE ORIGIN ADDRESS
AMERADA HESS CORPORATION (Terminal Operations) [illegible] [illegible], New Jersey 07095 [illegible]	#97061-wcn970173 CHARLESTON SOUTH TERMINAL

TRANSPORTER NAME AND ADDRESS	US EPA ID NUMBER (IF APPLICABLE)	STATE TRANS. ID
THREE R OF CHARLESTON, INC PO BOX 71544 CHARLESTON, SC 29405	S C D 9 8 7 5 8 4 3 1 5	N/A TRANSPORTER'S PHONE (803) 747-2369

DESIGNATED FACILITY NAME AND SITE ADDRESS	US EPA ID NUMBER (IF APPLICABLE)	STATE FACILITY'S ID
SSR, INC. HYW 78 - 101 MELLICHAMP ROAD SUMMERVILLE, SC 29483		N/A FACILITY'S PHONE (803) 875-0530

DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO.
NON-HAZARDOUS SOLID WASTE				TONS	

HANDLING CODES FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
c		a.	c.
b.		b	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
BRAD BRUNDAGE	Bradford C. Brundage	03 08 97

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Eugenio Rivers	Eugenio Rivers	03 08 97

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael [illegible]	[illegible]	3 8 97

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

S007032

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1671 Operator : Date : 03/08/97

Vehicle : ROPER18
Customer : 0
Material : S11
Job : 97061 Amerada Hess
9 loads, 210.49 TONS on this job today

Location : Units : 25.84 TONS
Time In : 09:07:39
Time Out : 09:12:41

Gross Wt : 81960 lbs
Tare Wt : 30280. lbs
Net Wt : 51680 lbs
25.84 tons

facility signature

drivers signature

CUSTOMER'S COPY

S007033

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1672 Operator : Date : 03/08/97

Vehicle : ROPER21
Customer : 0
Material : S11
Job : 97061 Amerada Hess
10 loads, 234.94 TONS on this job today

Location : Units : 24.45 TONS
Time In : 09:14:21
Time Out : 09:29:40

Gross Wt : 79020 lbs
Tare Wt : 30120 lbs
Net Wt : 48900 lbs
24.45 tons

facility signature

drivers signature

CUSTOMER'S COPY

HAZARDOUS WASTE MAN. ST
OFFICE OF RESS CORPORATION

7034

GENERATOR'S U.S. EPA ID NO	MANIFEST DOC. NO	PAGE
97061	11	OF

GENERATOR'S NAME AND ADDRESS
RESS CORPORATION (Terminal Operations)
New Jersey 07095

WASTE ORIGIN ADDRESS
#97061-wcn970173
CHARLESTON SOUTH TERMINAL

TRANSPORTER'S NAME AND ADDRESS
ER OF CHARLESTON, INC
BOX 71544
RLESTON, SC 29405

U.S. EPA ID NUMBER (IF APPLICABLE): S C D 9 8 7 5 8 4 3 1 5

STATE TRANS. ID: N/A

TRANSPORTER'S PHONE: 803 747-2369

DESIGNATED FACILITY NAME AND SITE ADDRESS
SR, INC.
SUMMERVILLE, SC 29483
BELLEHAMP ROAD

U.S. EPA ID NUMBER (IF APPLICABLE):

STATE FACILITY'S ID: N/A

FACILITY'S PHONE: 803 875-0530

DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO
NON-HAZARDOUS SOLID WASTE			TONS		

HANDLING CODES FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
	c.	a.	c.
	d.	b.	d.

SPECIAL HANDLING AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
BRAD Brundage	Bradford C. Brundage	03 08 97

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Charles F. Brown JR.	Charles F. Brown Jr	03 08 97

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael Hartsell	[signature]	3 8 9

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

7037 TRUCK #U

HAZARDOUS WASTE MANIFE
FERRO-TEC CORPORATION

GENERATOR'S U.S. EPA ID NO: 97061

MANIFEST DOC NO: 12 PAGE OF

GENERATOR'S NAME AND ADDRESS
FERRO-TEC CORPORATION (Terminal Operations)
[illegible]
[illegible] New Jersey 07095

WASTE ORIGIN ADDRESS
#97061-wcn970173
CHARLESTON SOUTH TERMINAL

TRANSPORTER'S NAME AND ADDRESS
THREE R OF CHARLESTON, INC
PO BOX 71544
CHARLESTON, SC 29405

U.S. EPA ID NUMBER (IF APPLICABLE): SCD987584315

STATE TRANS ID: N/A

TRANSPORTER'S PHONE: 803 747-2369

DESIGNATED FACILITY NAME AND SITE ADDRESS
SSR, INC.
HWY 78 - 101 MELLICHAMP ROAD
SUMMERVILLE, SC 29483

U.S. EPA ID NUMBER (IF APPLICABLE):

STATE FACILITY'S ID: N/A

FACILITY'S PHONE: 803 875-0530

DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO
NON-HAZARDOUS SOLID WASTE			TONS		

HANDLING CODES FOR MATERIALS LISTED ABOVE: a. c. b. d.

FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE: a. c. b. d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME: BRAD Brundage | SIGNATURE: Bradford C. Brundage | MONTH DAY YR: 03 08 9

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME: George W. Crumby | SIGNATURE: George W. Crumby | MONTH DAY YR: 3 8 9

FACILITY

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME: Michael Caldwell | SIGNATURE: [signature] | MONTH DAY YR: 3 8 9

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

S007034

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1673 Operator : Date : 03/08/97

Vehicle : ROPER10
Customer : 0
Material : S11
Job : 97061 Amerada Hess
11 loads, 255.90 TONS on this job today

Location : Units : 20.96 TONS
Time In : 09:38:48
Time Out : 09:41:59

Gross Wt : 67120 lbs
Tare Wt : 25200 lbs
Net Wt : 41920 lbs
20.96 tons

facility signature
drivers signature

CUSTOMER'S COPY

S007037

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1676 Operator : Date : 03/08/97

Vehicle : 3R6
Customer : 0
Material : S11
Job : 97061 Amerada Hess
12 loads, 283.92 TONS on this job today

Location : Units : 28.02 TONS
Time In : 09:53:51
Time Out : 10:03:54

Gross Wt : 89600 lbs
Tare Wt : 33560 lbs
Net Wt : 56040 lbs
28.02 tons

facility signature
drivers signature

2038 [illegible]

HAZARDOUS WASTE MANIFEST
[illegible] HESS CORPORATION

GENERATOR'S U.S. EPA ID NO	MANIFEST DOC. NO	PAGE
	13	OF

[illegible] ADDRESS	WASTE ORIGIN ADDRESS
[illegible] HESS CORPORATION (Terminal Operations) [illegible] [illegible], New Jersey 07095 [illegible]	#97061-wcn970173 CHARLESTON SOUTH TERMINAL

TRANSPORTER NAME AND ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE TRANS. ID
THREE R OF CHARLESTON, INC P.O. BOX 71544 CHARLESTON, SC 29405	S C D 9 8 7 5 8 4 3 1 5	N/A TRANSPORTER'S PHONE 803 747-2369

[illegible] NAME AND SITE ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE FACILITY'S ID
SSR, INC. HWY 78 - 101 MELLICHAMP ROAD SUMMERVILLE, SC 29483		N/A FACILITY'S PHONE 803 875-0530

[illegible] DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO.
NON-HAZARDOUS SOLID WASTE			TONS		

[illegible] MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
[illegible]	c.	a.	c
[illegible]	d.	b.	d

[illegible] INSTRUCTIONS AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

[illegible] NAME	SIGNATURE	MONTH DAY YEAR
BRAD BRUNDAGE	Bradford C. Brundage	03 07 9

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

[illegible] NAME	SIGNATURE	MONTH DAY YEAR
ALBERT WHITE	Albert White	3 8 9

[illegible] STATE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

[illegible] NAME	SIGNATURE	MONTH DAY YEAR
Michael [illegible]	Michael [illegible]	3 8 9

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

HAZARDOUS WASTE MANIFEST
AMERADA HESS CORPORATION

7040 IKK

GENERATOR'S U.S. EPA ID NO	MANIFEST DOC NO	PAGE
	14	OF

GENERATOR'S NAME AND ADDRESS	WASTE ORIGIN ADDRESS
AMERADA HESS CORPORATION (Terminal Operations) Hess Plaza Woodbridge, New Jersey 07095 201 750-6000	#97061-wcn970173 CHARLESTON SOUTH TERMINAL

TRANSPORTER NAME AND ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE TRANS. ID / TRANSPORTER'S PHONE
THREE R OF CHARLESTON, INC PO BOX 71544 CHARLESTON, SC 29405	S C D 9 8 7 5 8 4 3 1 5	N/A 803 747-2369

DISPOSAL FACILITY NAME AND SITE ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE FACILITY'S ID / FACILITY'S PHONE
SSR, INC. HWY 78 - 101 MELLICHAMP ROAD SUMMERVILLE, SC 29483		N/A 803 875-0530

DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO
NON-HAZARDOUS SOLID WASTE				TONS	

SPECIAL HANDLING FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
b.	d.	b.	d.

SPECIAL INSTRUCTIONS AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
BRAD BRUNDAGE	Bradford C. Brundage	03 08 89

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Joseph Coppola	Joseph A. Coppola	3 89

FACILITY

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael Cordell	[illegible]	3 8 9

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

S007038

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1677 Operator : Date : 03/08/97

Vehicle : 3R35
Customer : 0
Material : S11
Job : 97061 Amerada Hess
13 loads, 317.71 TONS on this job today

Location : Units : 33.79 TONS
Time In : 10:11:22
Time Out : 10:20:23

Gross Wt :100240 lbs
Tare Wt : 32660 lbs
Net Wt : 67580 lbs
33.79 tons

facility signature
drivers signature Albert White

CUSTOMER'S COPY

S007040

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1679 Operator : Date : 03/08/97

Vehicle : 3R7
Customer : 0
Material : S11
Job : 97061 Amerada Hess
14 loads, 353.28 TONS on this job today

Location : Units : 35.57 TONS
Time In : 10:28:15
Time Out : 10:39:05

Gross Wt :105060 lbs
Tare Wt : 33920 lbs
Net Wt : 71140 lbs
35.57 tons

facility signature
drivers signature

CUSTOMER'S COPY

7042

HAZARDOUS WASTE MANIFEST
AMERADA HESS CORPORATION

GENERATOR'S U.S. EPA ID NO: 97061

MANIFEST DOC NO: 15 PAGE 1 OF 1

GENERATOR'S NAME AND MAILING ADDRESS
AMERADA HESS CORPORATION (Terminal Operations)
1 HESS PLAZA
Woodbridge, New Jersey 07095
201 750-6000

WASTE ORIGIN ADDRESS
#97061-wcn970173
CHARLESTON SOUTH TERMINAL

TRANSPORTER'S NAME AND ADDRESS
THREE R OF CHARLESTON, INC
PO BOX 71544
CHARLESTON, SC 29405

U.S. EPA ID NUMBER (IF APPLICABLE): SCD987584315

STATE TRANSPORTER'S ID: N/A

TRANSPORTER'S PHONE: (803) 747-2369

DESIGNATED FACILITY NAME AND SITE ADDRESS
SSR, INC.
HYW 78 - 101 MELLICHAMP ROAD
SUMMERVILLE, SC 29483

U.S. EPA ID NUMBER (IF APPLICABLE):

STATE FACILITY'S ID: N/A

FACILITY'S PHONE: (803) 875-0530

DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO.
NON-HAZARDOUS SOLID WASTE				TONS	

HANDLING CODES FOR WASTES LISTED ABOVE: a. c. d.

FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE: a. c. b. d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Brad Brundage	Bradford C. Brundage	03 08 97

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Donald Bolton	Donald Bolton	03 08 97

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael Cantrell	[illegible]	3 8 3

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

NON-HAZARDOUS WASTE MANIFEST
AMERADA HESS CORPORATION

GENERATOR'S U.S. EPA ID NO	MANIFEST DOC. NO	PAGE
	16	OF

GENERATOR'S NAME AND MAILING ADDRESS	WASTE ORIGIN ADDRESS
AMERADA HESS CORPORATION (Terminal Operations) Hess Plaza Woodbridge, New Jersey 07095 201 750-6000	#97061-wcn970173 CHARLESTON SOUTH TERMINAL

TRANSPORTER NAME AND ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE TRANS. ID / TRANSPORTER'S PHONE
THREE R OF CHARLESTON, INC PO BOX 71544 CHARLESTON, SC 29405	S C D 9 8 7 5 8 4 3 1 5	N/A (803) 747-2369

FACILITY NAME AND SITE ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE FACILITY'S ID / FACILITY'S PHONE
SSR, INC. HYW 78 - 101 MELLICHAMP ROAD SUMMERVILLE, SC 29483		N/A (803) 875-0530

DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO
NON-HAZARDOUS SOLID WASTE				TONS	

HANDLING CODES FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
	c.	a.	c.
	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
BRAD BRUNDAGE	Bradford C. Brundage	03 08 9

TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Hal Heyward	Hal Heyward	

TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael Cantrell		3 8 9

DISTRIBUTION
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

S007041

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1680 Operator : Date : 03/08/97

Vehicle : ROPER48
Customer : 0
Material : S11
Job : 97061 Amerada Hess
15 loads, 380.15 TONS on this job today

Location : Units : 26.87 TONS
Time In : 10:32:36
Time Out : 10:45:19

Gross Wt : 83940 lbs
Tare Wt : 30200 lbs
Net Wt : 53740 lbs
26.87 tons

facility signature

drivers signature

CUSTOMER'S COPY

S007042

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1681 Operator : Date : 03/08/97

Vehicle : 3R2
Customer : 0
Material : S11
Job : 97061 Amerada Hess
16 loads, 407.78 TONS on this job today

Location : Units : 27.63 TONS
Time In : 10:29:05
Time Out : 10:47:16

Gross Wt : 87040 lbs
Tare Wt : 31780 lbs
Net Wt : 55260 lbs
27.63 tons

facility signature

drivers signature

CUSTOMER'S COPY

7043 [illegible]

NON-HAZARDOUS WASTE MANIFEST
HERCULES HESS CORPORATION

GENERATOR'S US EPA ID NO: 97061

MANIFEST DOC NO: 17

PAGE: OF

GENERATOR'S NAME AND ADDRESS
NEVADA HESS CORPORATION (Terminal Operations)
Hess Plaza
Woodbridge, New Jersey 07095
(201) 750-6000

WASTE ORIGIN ADDRESS
#97061-wcn970173
CHARLESTON SOUTH TERMINAL

TRANSPORTER'S NAME AND ADDRESS
THREE R OF CHARLESTON, INC
PO BOX 71544
CHARLESTON, SC 29405

US EPA ID NUMBER (IF APPLICABLE): S C D 9 8 7 5 8 4 3 1 5

STATE TRANS ID: N/A

TRANSPORTER'S PHONE: 803) 747-2369

DISPOSAL FACILITY NAME AND SITE ADDRESS
SSR, INC.
HYW 78 - 101 MELLICHAMP ROAD
SUMMERVILLE, SC 29483

US EPA ID NUMBER (IF APPLICABLE):

STATE FACILITY ID: N/A

FACILITY'S PHONE: (803) 875-0530

PROPER DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO
NON-HAZARDOUS SOLID WASTE				TONS	

WASTE CODES FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
b.	d.	b.	d.

SPECIAL HANDLING AND ADDITIONAL INFORMATION

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Brad Brundage	[signature]	03 08 89

TRANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Eugene Divers	[signature]	03 08 89

DISCREPANCY INDICATION SPACE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Michael Cantrell	[signature]	3 8 89

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

NON-HAZARDOUS WASTE MANIFES
AMERADA HESS CORPORATION

1044

GENERATOR'S U.S. EPA ID NO	MANIFEST DOC NO	PAGE
97061	18	1 OF 1

GENERATOR NAME AND MAILING ADDRESS	WASTE ORIGIN ADDRESS
AMERADA HESS CORPORATION (Terminal Operations) Hess Plaza Woodbridge, New Jersey 07095 (908) 750-6000 24 Hour Emergency Phone Number	

TRANSPORTER COMPANY NAME AND ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE TRANS ID
BR ENVIRONMENTAL CHARLESTON, SC		TRANSPORTER'S PHONE ( )

DESIGNATED DISPOSAL FACILITY NAME AND SITE ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE FACILITY'S ID
SSR INC SUMMERVILLE, SC		FACILITY'S PHONE ( )

U.S. DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO.
NON-HAZ SOIL			18	T	

DISPOSITION METHOD FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
b.	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR LIC. PLATE NO. TRAILER LIC. PLATE NO.

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
CHRIS PINELLI	CHRIS PINELLI	3 10 9[illegible]

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
Charles F. Brown JR.	Charles F. Brown Jr.	03 08 19

FACILITY OPERATOR INFORMATION SPACE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH DAY YEAR
[illegible]	[illegible]	3 8 9[illegible]

DISTRIBUTION: WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

S007043

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1682 Operator : Date : 03/08/97

Vehicle : ROPER21
Customer : 0
Material : S11
Job : 97061 Amerada Hess
17 loads, 434.85 TONS on this job today

Location : Units : 27.07 TONS
Time In : 10:42:45
Time Out : 10:49:44

Gross Wt : 84180 lbs
Tare Wt : 30040 lbs
Net Wt : 54140 lbs
27.07 tons

facility signature
drivers signature

CUSTOMER'S COPY

S007044

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1683 Operator : Date : 03/08/97

Vehicle : ROPER10
Customer : 0
Material : S11
Job : 97061 Amerada Hess
18 loads, 455.18 TONS on this job today

Location : Units : 20.33 TONS
Time In : 10:59:04
Time Out : 11:03:25

Gross Wt : 65840 lbs
Tare Wt : 25180 lbs
Net Wt : 40660 lbs
20.33 tons

facility signature
drivers signature

ON-HAZARDOUS WASTE MANIFEST
AMERADA HESS CORPORATION

GENERATOR'S U.S. EPA ID NO	MANIFEST DOC NO	PAGE
	19	... OF ...

GENERATOR'S NAME AND MAILING ADDRESS	WASTE ORIGIN ADDRESS
AMERADA HESS CORPORATION (Terminal Operations) Hess Plaza Woodbridge, New Jersey 07095 (908) 750-6000 24 Hour Emergency Phone Number	

TRANSPORTER 1 COMPANY NAME AND ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE TRANS. ID
3R ENVIRONMENTAL CHARLESTON, SC		TRANSPORTER'S PHONE ( )

DESIGNATED DISPOSAL FACILITY NAME AND SITE ADDRESS	U.S. EPA ID NUMBER (IF APPLICABLE)	STATE FACILITY'S ID
CECR INC SUMMERVILLE, SC		FACILITY'S PHONE ( )

U.S. DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO.
NON-HAZ SOIL					

COMPOSITION (VOL %) FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
b.	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR LIC. PLATE NO. TRAILER LIC. PLATE NO.

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH	DAY	YEAR
CHRIS PINELLI	CHRIS PINELLI	3	8	97

TRANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH	DAY	YEAR
George W. Crum Jr	George W. Crum Jr	3	8	97

TRANSPORTER'S ADDITION SPACE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH	DAY	YEAR
Michael Pinelli	Michael Pinelli	3	8	97

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

NON-HAZARDOUS WASTE MANIFEST
ERROR HESS CORPORATION

GENERATOR'S U.S. EPA I.D. NO: 97061

MANIFEST DOC. NO: 20

PAGE ___ OF ___

GENERATOR'S NAME AND MAILING ADDRESS
AMERADA HESS CORPORATION (Terminal Operations)
Hess Plaza
Woodbridge, New Jersey 07095
(908) 750-6000 24 Hour Emergency Phone Number

WASTE ORIGIN ADDRESS

TRANSPORTER COMPANY NAME AND ADDRESS
ESR ENVIRONMENTAL
CHARLESTON, SC

U.S. EPA I.D. NUMBER (IF APPLICABLE)

STATE TRANS. ID

TRANSPORTER'S PHONE
( )

DESIGNATED DISPOSAL FACILITY NAME AND SITE ADDRESS
ESR INC.
SUMMERVILLE, SC

U.S. EPA I.D. NUMBER (IF APPLICABLE)

STATE FACILITY'S ID

FACILITY'S PHONE
( )

GENERATOR	U.S. DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	CONTAINERS NO.	CONTAINERS TYPE	TOTAL QUANTITY	UNIT WT/VOL	WASTE NO.
a.	NON-HAZ SOIL					
b.						
c.						
d.						

COMPOSITION (VOL. %) FOR MATERIALS LISTED ABOVE		FACILITY TREATMENT METHOD FOR MATERIALS LISTED ABOVE	
a.	c.	a.	c.
b.	d.	b.	d.

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

TRACTOR LIC. PLATE NO.

TRAILER LIC. PLATE NO.

GENERATOR'S CERTIFICATION: I HEREBY DECLARE THAT THE CONTENTS OF THIS CONSIGNMENT ARE FULLY AND ACCURATELY DESCRIBED ABOVE BY PROPER SHIPPING NAME AND ARE CLASSIFIED, PACKED, MARKED AND LABELED AND ARE IN ALL RESPECTS IN PROPER CONDITION FOR TRANSPORT BY HIGHWAY ACCORDING TO APPLICABLE INTERNATIONAL AND NATIONAL GOVERNMENT REGULATIONS.

PRINTED/TYPED NAME	SIGNATURE	MONTH	DAY	YEAR
Chris Pinelli	Chris Pinelli	3	8	91

TRANSPORTER: ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS

PRINTED/TYPED NAME	SIGNATURE	MONTH	DAY	YEAR
ALBERT WHITE	Albert White	3	8	91

SPECIAL HANDLING INDICATION SPACE

FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF MATERIALS COVERED BY THIS MANIFEST

PRINTED/TYPED NAME	SIGNATURE	MONTH	DAY	YEAR
[illegible]	[illegible]	3	8	91

DISTRIBUTION:
WHITE — DISPOSAL FACILITY (Mail to Generator)
CANARY — DISPOSAL FACILITY COPY
PINK — TRANSPORTER
GOLD — GENERATOR

S007046

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1685 Operator : Date : 03/08/97

Vehicle : 3R6
Customer : 0
Material : S11
Job : 97061 Amerada Hess
19 loads, 479.06 TONS on this job today

Location : Units : 23.88 TONS
Time In : 11:23:44
Time Out : 11:33:18

Gross Wt : 80940 lbs
Tare Wt : 33180 lbs
Net Wt : 47760 lbs
23.88 tons

facility signature
drivers signature

CUSTOMER'S COPY

S007047

BANKS CONSTRUCTION & SOUTHEASTERN SOIL
101 MELLICHAMP RD
SUMMERVILLE SC 29483

Waste In - Charge Scale Ticket

Ticket # : 1686 Operator : Date : 03/08/97

Vehicle : 3R15
Customer : 0
Material : S11
Job : 97061 Amerada Hess
20 loads, 499.19 TONS on this job today

Location : Units : 20.13 TONS
Time In : 12:18:57
Time Out : 12:19:30

Gross Wt : 72760 lbs
Tare Wt : 32500 lbs
Net Wt : 40260 lbs
20.13 tons

facility signature
drivers signature