

N61165.AR.005316
CNC CHARLESTON
5090.3a

ABOVE GROUND STORAGE TANK (AST) ASSESSMENT REPORT DATED 29 APRIL 1997
AND NO FURTHER ACTION (NFA) FOR BUILDING 2556 (AST 2556) WITH SOUTH
CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL REVIEW
LETTER CNC CHARLESTON SC
10/22/1997
CH2M JONES LLC



2600 Bull Street
Columbia, SC 29201-1708

Mr. Gabriel L. Magwood
Southern Division NFEC
P.O. Box 190010
2155 Eagle Drive
North Charleston, South Carolina 29419-9010

Re: Aboveground Storage Tank Assessment Report dated April 29, 1997
Bldg. 2556 (AST 2556) (Site Identification # 00949)
Charleston Naval Complex/Charleston Naval Base
Charleston, SC
Charleston County

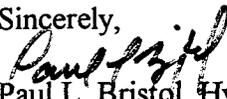
Date: October 22, 1997

Dear Mr. Magwood:

The author has completed technical review of the referenced document. As submitted, the report provides a narrative describing closure activities and analytical results of environmental sampling to determine if releases have occurred as a result of operation of the referenced vessel and/or associated piping system. The employed closure activities and sampling results appear to indicate that no additional endeavors for remedial actions and/or contaminant characterization are warranted at the referenced site at this time. If in the future contamination is identified which is attributable to this site, additional assessments and/or remedial endeavors may be required, as appropriate.

Should you have any questions, please contact me at (803) 734-5328.

Sincerely,


Paul L. Bristol, Hydrogeologist
Groundwater Quality Section
Bureau of Water

cc: Trident District EQC



DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
P.O. BOX 190010
2155 EAGLE DRIVE
NORTH CHARLESTON, S.C. 29419-9010

Li 5.12.97

Lo

5090
Code 1849
29 Apr 1997

RECEIVED

MAY 02 1997

Groundwater Assessment
and Development Section

Mr. Paul Bristol
South Carolina Department of Health
and Environmental Control
Ground-Water Protection Division
2600 Bull Street
Columbia, SC 29201

**UST ASSESSMENT REPORTS FOR CHARLESTON NAVAL COMPLEX,
CHARLESTON, SC**

Dear Mr. Bristol:

Enclosed is the Assessment Reports for the closure of storage tanks AST 2524A and AST 2524B, UST H, AST 2556, UST C, UST NH 62, AST NH 62 and UST 38-1 located at the Charleston Naval Complex, Charleston, SC.

If you have any questions please contact me at (803) 820-7307.

Sincerely,

GABRIEL L. MAGWOOD
Petroleum/UST

NI 62-00946 draft 10.21
qtr c 00947 draft 10.21
qtr H/E 00948 draft 10.21
Bldg 2556 00949 draft 10.21
Bldg 2524 00950 draft 10.22
Bldg 80 To Donna Owens 10.22

Final
10.22

15405(Gen)

Li 5.12.97

Δ = 00949

Aboveground Storage Tank (AST) Assessment Report

RECEIVED

MAY 02 1997

Groundwater Assessment and Development Section

Date Received WFA

State Use Only

Submit Completed Form to:
 AST Regulatory Section
 SCDHEC
 2600 Bull Street
 Columbia, South Carolina 29201
 Telephone (803) 734-5331

I. OWNERSHIP OF AST(S)

Agency/Owner: Southern Division, Naval Facilities Engineering Command, Caretaker Site Office

Mailing Address: P.O. Box 190010

City: N. Charleston State: SC Zip Code: 29419-9010

Area Code: 803 Telephone Number: 743-9985 Contact Person: LCDR Paul Rose

II. SITE IDENTIFICATION AND LOCATION

Site I.D. #: Unregulated 00949

Facility Name: Charleston Naval Station Annex, Building 2556

Street Address: Sixth Street

City: North Charleston County: Charleston

III. CLOSURE INFORMATION

Closure Started: 4 Dec 1996 Closure Completed: 13 Dec 1996

Number of ASTs Closed: 1

N/A Consultant SPORTENVDETCASN
UST Removal Contractor

IV. CERTIFICATION (Read and Sign after completing entire submittal)

I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate and complete.

LCDR Paul Rose

Name (Type or Print)

[Signature]

Signature

V. AST INFORMATION

- A. Product.....
- B. Capacity.....
- C. Age.....
- D. Construction Material.....
- E. Month/Year of Last Use.....
- F. Spill Prevention Equipment Y/N.....
- G. Overfill Prevention Equipment Y/N.....
- H. Method of Closure Removed/Filled.....
- I. Visible Corrosion or Pitting Y/N.....
- J. Visible Holes Y/N.....

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Fuel oil						
3,000 gal.						
Unk.						
Steel						
Unk.						
Y See note 1						
N						
R						
N						
N						

Note 1: The AST was surrounded by a berm, which acted as secondary containment.

- L. Method of disposal for any ASTs removed.

AST 2556 was removed, drained, cut open at both ends, and cleaned with a steam cleaner. It was then cut up for recycling as scrap metal. (See Attachment III.)

- M. Method of disposal for any liquid petroleum, sludges, or waste waters removed from the ASTs.

The residual fuel oil, waste water, and sludge were recycled.

- N. If any corrosion, pitting, or holes were observed, describe the location and extent for each AST.

No corrosion, pitting, or holes were found. The tank was painted and in good condition.

VI. PIPING INFORMATION

- A. Construction Material.....
- B. Distance from AST to Dispenser.....
- C. Number of Dispensers.....
- D. Type of System P/S.....
- E. Was Piping Removed Y/N.....
- F. Visible Corrosion or Pitting Y/N.....
- G. Visible Holes Y/N.....
- H. Age.....

Note 2: AST 2556 provided fuel oil to building 2556's boiler for heating.

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Copper						
5' See note 2						
1						
S						
Y						
N						
N						
Unk.						

- I. If any corrosion, pitting, or holes were observed, describe the location and extent for each line.

No corrosion, pitting, or holes were found in the piping.

VII. BRIEF SITE DESCRIPTION AND HISTORY

The AST provided heating oil to building 2556 on the Charleston Naval Station Annex. The facility served as mine training center MU11.

The AST was located in an unpainted concrete block berm, piping was installed underground from the berm into the building.

VIII. SITE CONDITIONS

Yes No Unk

A. Were any petroleum-stained or contaminated soils found near the AST?		X	
B. Were any petroleum odors detected? If yes, indicate location on site map and describe the odor (strong, mild, etc.)		X	

IX. SAMPLE INFORMATION

S.C.D.H.E.C. Lab Certification Number 10120

Sample #	Location	Sample Type (Soil/Water)	Depth*	Date/Time of Collection	Collected By	OVA#
SPORT 0303-1	Beneath berm drain valve.	Soil	1' 6"	15 Jan 97	B. Murray	1.0 ppm
SPORT 0303-2	Beneath pipe run.	Soil	1' 6"	15 Jan 97	B. Murray	0.7 ppm

* = Depth Below the Surrounding Land Surface

X. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect and store (preserve) the samples.

After the removal of AST 2556 soil samples were taken. Sampling was performed in accordance with SC DHEC R.61-92 Part 280 and SC DHEC UST Assessment Guidelines.

The samples are identified as follows:

	Detachment Charleston		General Engineering Labs
Soil Sample	AST-2556-1	=	SPORT -0303-1
Soil Sample	AST-2556-2	=	SPORT -0303-2
VOA Trip Blank	-----	=	SPORT -0300-5

Sample jars were prepared by the testing laboratory. The grab method was utilized to fill the sample containers leaving as little head space as possible and immediately capped. Soil samples were extracted beneath the berm drain valve and beneath the piping at the mechanical connections.

The samples were marked, logged, and immediately placed in sample coolers packed with ice to maintain an approximate temperature of 4° C. Tools were thoroughly cleaned and decontaminated with organic-free soap and water after each sample.

The samples remained in the custody of SPORTENVDETHASN until they were transferred to General Engineering Laboratories for analysis as documented in the attached Chain-of-Custody Record.

XI. RECEPTORS

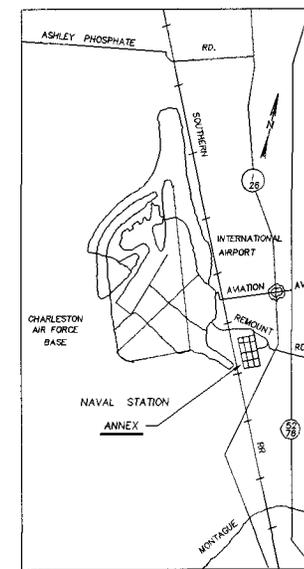
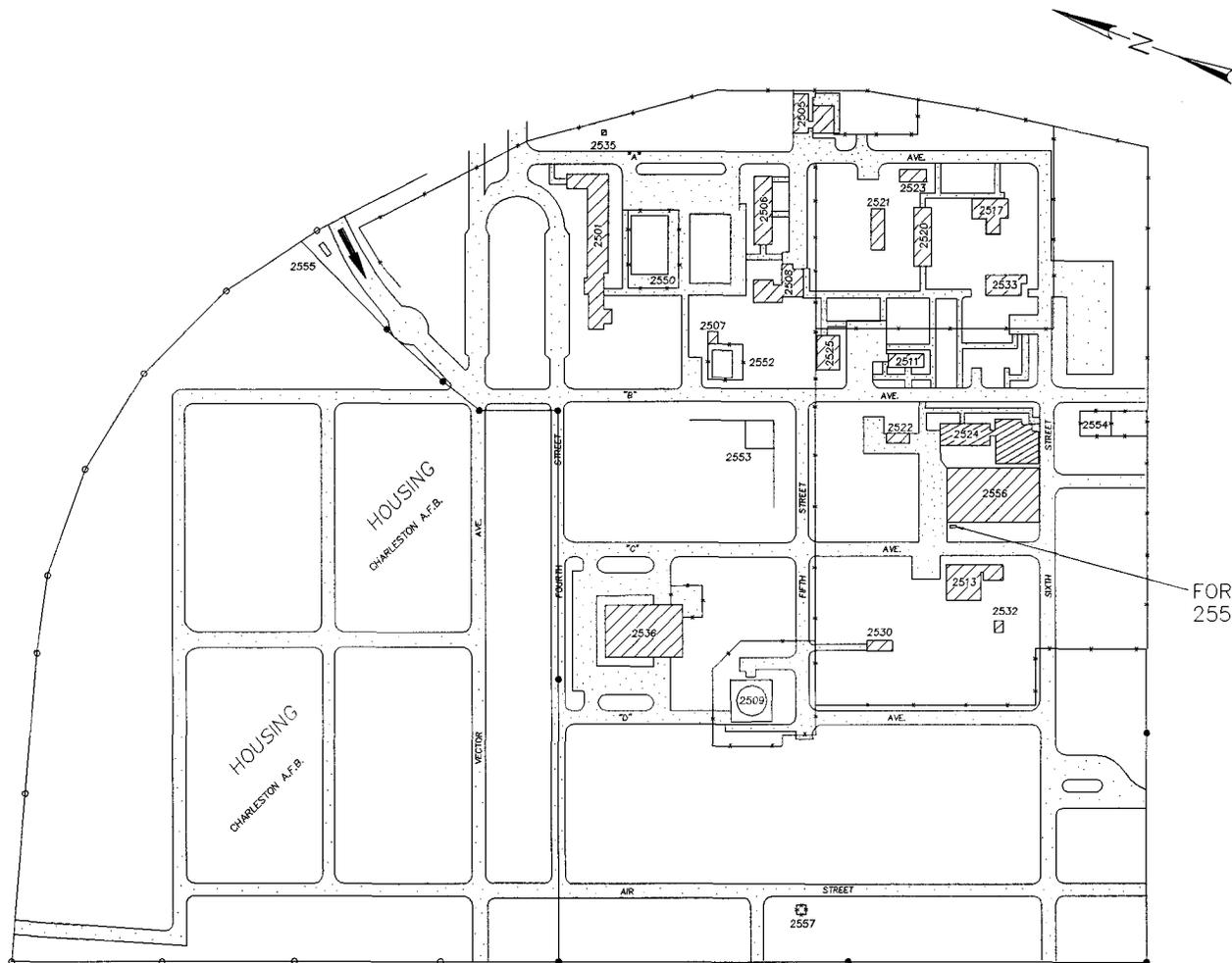
Yes No

A.	<p>Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the AST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>		X
B.	<p>Are there any public, private, or irrigation water supply wells within 1000 feet of the AST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>		X
C.	<p>Are there any underground structures (e.g., basements) located within 100 feet of the AST system?</p> <p>If yes, indicate the type of structure, distance, and direction on site map.</p>		X
D.	<p>Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the AST system that could potentially come in contact with the contamination?</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p> <p style="text-align: center;">[water, phone, electricity]</p>	X	

SITE MAP

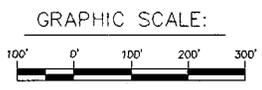
You must supply a scaled site map. It should include all buildings, road names, utilities, tank and pump island locations, sample locations, extent of excavation, and any other pertinent information.

Site Maps 1, 2 and 3
Photographs 1 and 2



LOCATION MAP
N.T.S.

FORMER AST
2556



- LEGEND:
- BLDG OR STRUCTURE
 - ROADS, WALKS OR PAVED AREAS
 - PROPERTY BOUNDARY
 - PROPERTY BOUNDARY (BY OTHERS)
 - SECURITY FENCE

Site Map 1
AST 2556
Naval Station Annex
Charleston, SC

SPORTENVDETHASN
1899 North Hobson Avenue
North Charleston, SC 29405-2106

DWG DATE: 14 MAR 97

DWG NAME: R2556_1

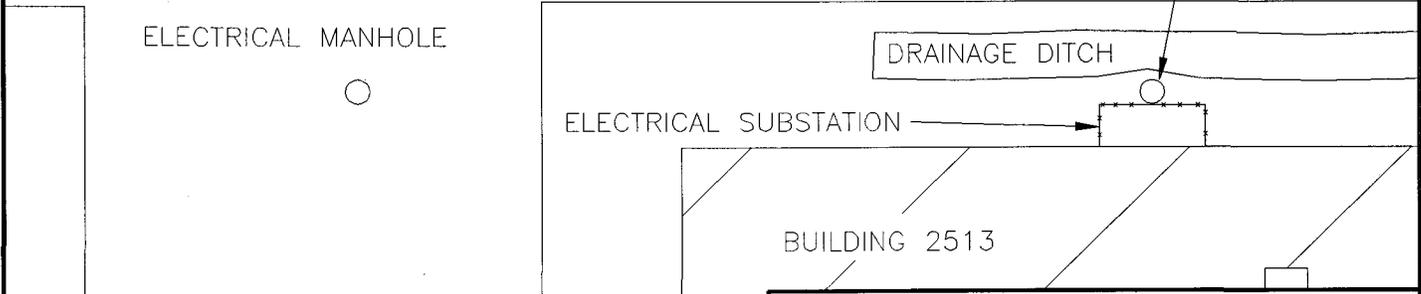
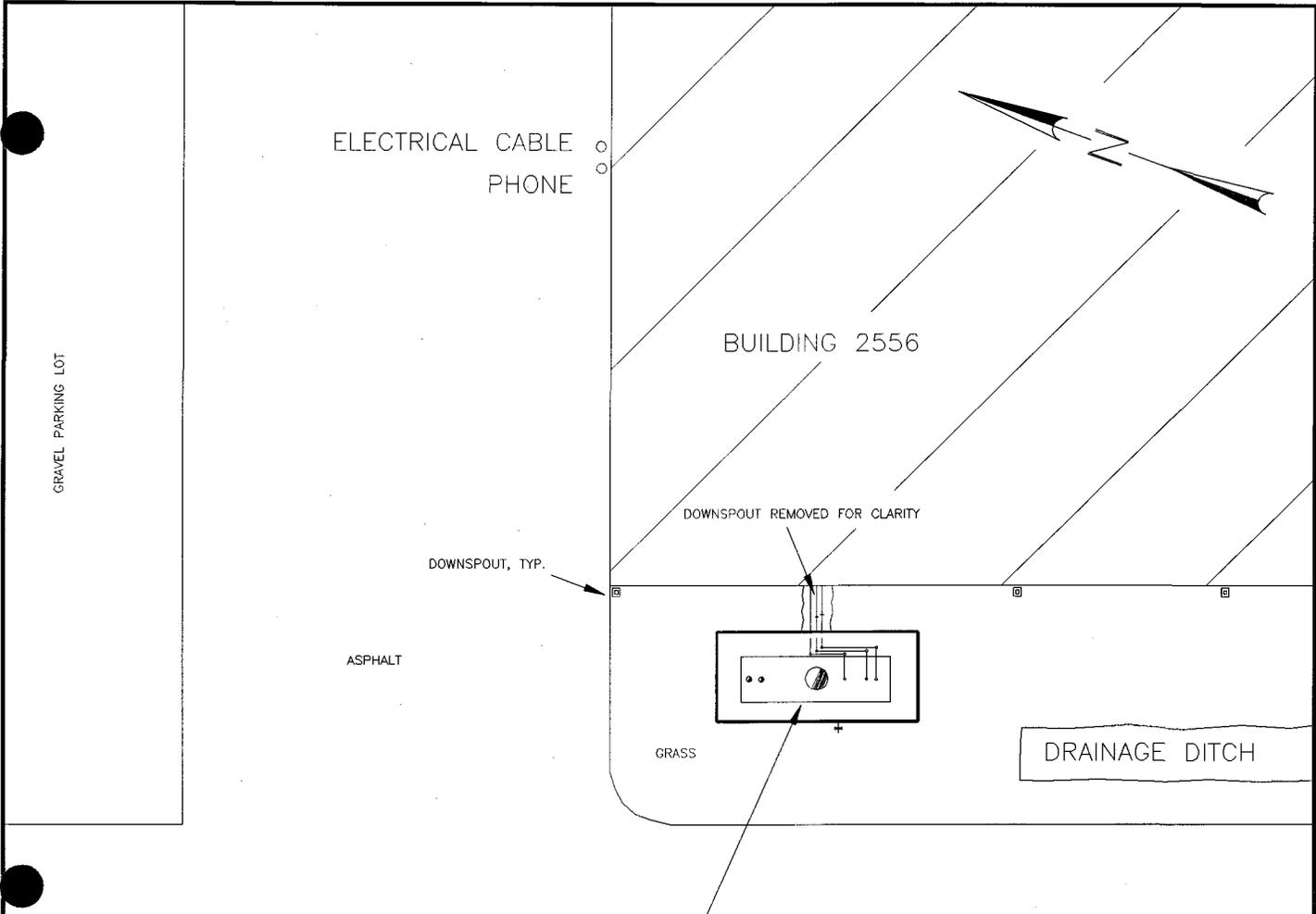
AST 2556



Photo 1: AST 2556 prior to removal.



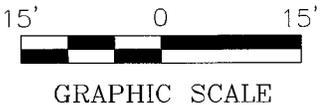
Photo 2: AST 2556 during cutting and cleaning.

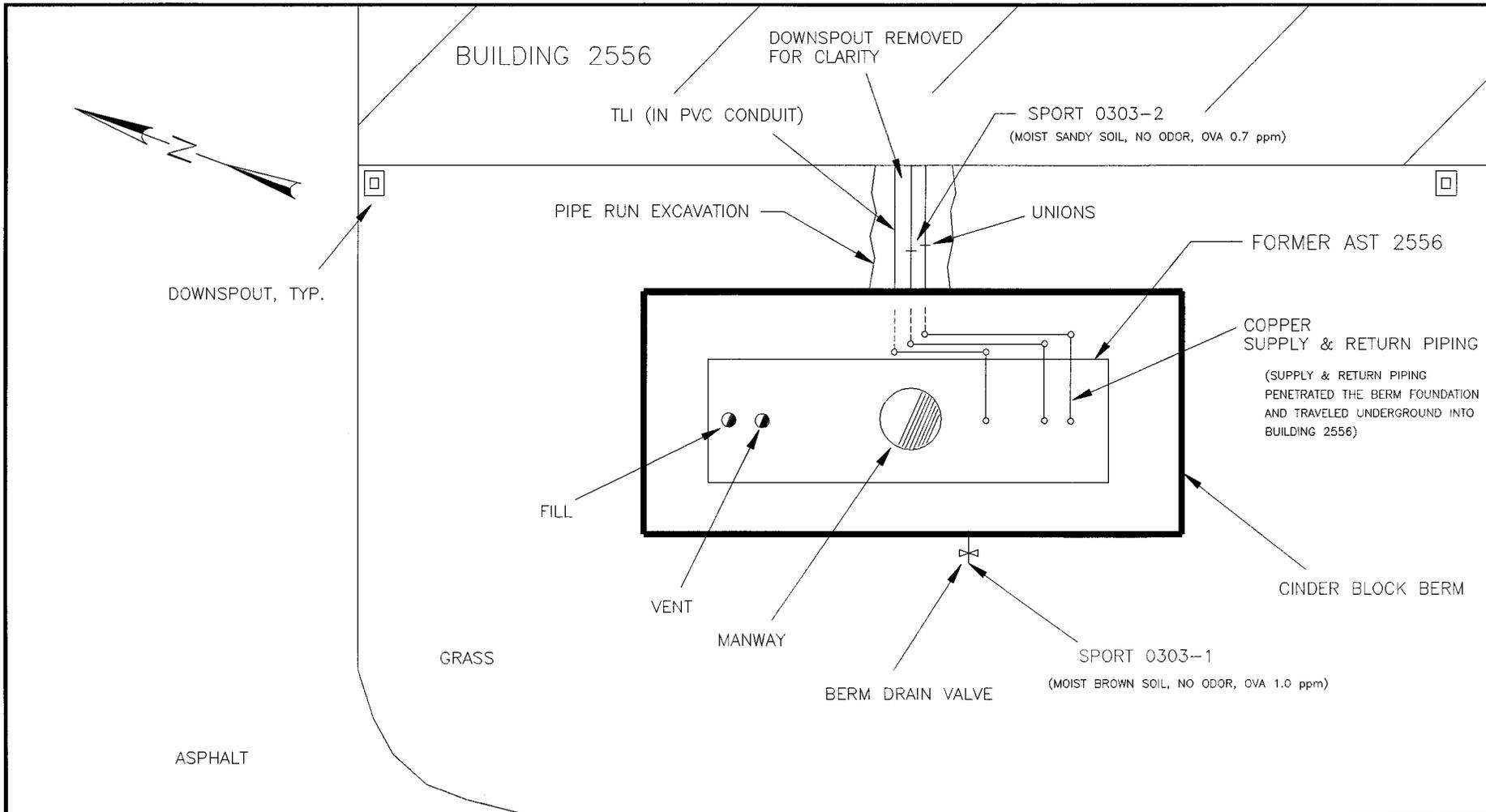


Site Map 2
 AST 2556
 Naval Station Annex
 Charleston, SC

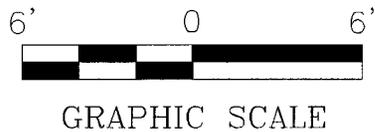
SPORTENVDETHASN
 1899 North Hobson Avenue
 North Charleston, SC 29405-2106

DWG DATE: 19 MAR 97 DWG NAME: R2556_2





NOTE:
ALL SAMPLES WERE SOIL SAMPLES



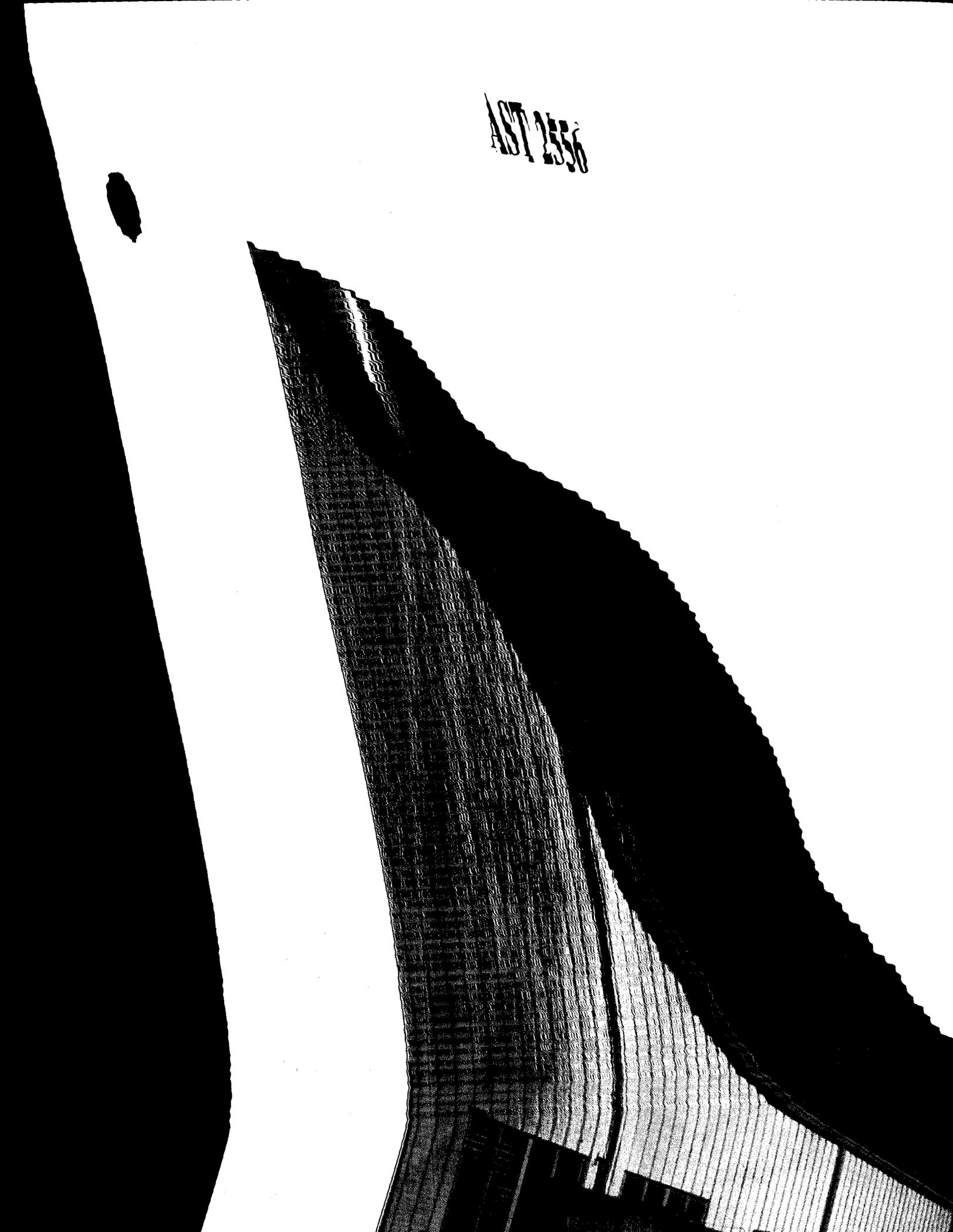
Site Map 3
AST 2556
Naval Station Annex
Charleston, SC

SPORTENVDETHASN
1899 North Hobson Avenue
North Charleston, SC 29405-2106

DWG DATE: 19 MAR 97

DWG NAME: R2556_3

AST 2536



AST 2556



Photo 1: AST 2556 prior to removal.



Photo 2: AST 2556 during cutting and cleaning.

ANALYTICAL RESULTS

You must submit the laboratory report and chain-of-custody form for the samples. These samples must be analyzed by a South Carolina certified laboratory.

Certified Analytical Results
Chain-of-Custody



GENERAL ENGINEERING LABORATORIES

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Laboratory Certifications

STATE	GLL	EPI
FL	887156/87294	887472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Supervisor of Ship Building & Conversion
 SUPSHIP-Portsmouth Detachment-Env.
 1899 North Hobson Ave.
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hierr

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00196

Report Date: January 24, 1997

Page 1 of 2

Sample ID : SPORT0303-1
 Lab ID : 9701282-01
 Matrix : Soil
 Date Collected : 01/15/97
 Date Received : 01/15/97
 Priority : Routine
 Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
<i>BTEX - 4 items</i>											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JAC	01/22/97	1226	96708	1
Ethylbenzene	U	0.00	1.00	2.00	ug/kg	1.0					
Toluene	U	0.00	1.00	2.00	ug/kg	1.0					
Xylenes (TOTAL)	U	0.00	1.00	4.00	ug/kg	1.0					
Naphthalene	U	0.00	1.00	2.00	ug/kg	1.0					
Extractable Organics											
<i>Polynuclear Aromatic Hydrocarbons - 16 items</i>											
Acenaphthene	U	0.00	164	330	ug/kg	1.0	JCB	01/22/97	1744	96426	2
Acenaphthylene	U	0.00	164	330	ug/kg	1.0					
Anthracene	U	0.00	164	330	ug/kg	1.0					
Benzo(a)anthracene	U	0.00	164	330	ug/kg	1.0					
Benzo(a)pyrene	U	0.00	164	330	ug/kg	1.0					
Benzo(b)fluoranthene	U	0.00	164	330	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	164	330	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	164	330	ug/kg	1.0					
Chrysene	U	0.00	164	330	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	164	330	ug/kg	1.0					
Fluoranthene	U	0.00	164	330	ug/kg	1.0					
Fluorene	U	0.00	164	330	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	164	330	ug/kg	1.0					
Naphthalene	U	0.00	164	330	ug/kg	1.0					
Phenanthrene	U	0.00	164	330	ug/kg	1.0					
Pyrene	U	0.00	164	330	ug/kg	1.0					

The following prep procedures were performed:
 GC/MS Base/Neutral Compounds

MS 01/20/97 1400 96426 3

PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29407

(803) 556-8171 • Fax (803) 766-1178



9701282-01

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Laboratory Certifications

STATE	GEL	EPI
FL	087156/87294	E87472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Supervisor of Ship Building & Conversion
SUPSHIP-Portsmouth Detachment-Env.
1899 North Hobson Ave.
North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiern

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00196

Report Date: January 24, 1997

Page 2 of 2

Sample ID : SPORT0303-1

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	97.2	(30.0 - 115.)
Nitrobenzene-d5	M610	82.6	(23.0 - 120.)
p-Terphenyl-d14	M610	95.0	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	106.	(53.5 - 154.)
Dibromofluoromethane	BTEX-8260	102.	(63.4 - 136.)
Toluene-d8	BTEX-8260	111.	(72.1 - 137.)
Bromofluorobenzene	NAP-8260	106.	(53.5 - 154.)
Dibromofluoromethane	NAP-8260	102.	(63.4 - 136.)
Toluene-d8	NAP-8260	111.	(72.1 - 137.)

M = Method	Method-Description
M 1	EPA 8260
M 2	EPA 8270
M 3	EPA 3550

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories standard operating procedures. Please direct any questions to your Project Manager, Karen Blakeney at (803) 769-7386.

Karen Blakeney

Reviewed By

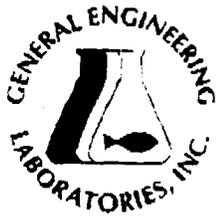
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GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Laboratory Certifications

STATE	GEL	EPI
FL	EE7156/87294	EE7472/87458
NC	233	
SC	10120	10582
TN	02934	02934

Client: Supervisor of Ship Building & Conversion
 SUPSHIP-Portsmouth Detachment-Env.
 1899 North Hobson Ave.
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiers

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00196

Report Date: January 24, 1997

Page 1 of 2

Sample ID : SPORT0303-2
 Lab ID : 9701282-02
 Matrix : Soil
 Date Collected : 01/15/97
 Date Received : 01/15/97
 Priority : Routine
 Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatile Organics											
<i>BTEX - 4 items</i>											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JAC	01/22/97	1158	96708	1
Ethylbenzene	U	0.00	1.00	2.00	ug/kg	1.0					
Toluene	U	0.00	1.00	2.00	ug/kg	1.0					
Xylenes (TOTAL)	U	0.00	1.00	4.00	ug/kg	1.0					
Naphthalene	U	0.00	1.00	2.00	ug/kg	1.0					
Extractable Organics											
<i>Polynuclear Aromatic Hydrocarbons - 16 items</i>											
Acenaphthene	U	0.00	164	330	ug/kg	1.0	JCB	01/22/97	1818	96426	2
Acenaphthylene	U	0.00	164	330	ug/kg	1.0					
Anthracene	U	0.00	164	330	ug/kg	1.0					
Benzo(a)anthracene	U	0.00	164	330	ug/kg	1.0					
Benzo(a)pyrene	U	0.00	164	330	ug/kg	1.0					
Benzo(b)fluoranthene	U	0.00	164	330	ug/kg	1.0					
Benzo(ghi)perylene	U	0.00	164	330	ug/kg	1.0					
Benzo(k)fluoranthene	U	0.00	164	330	ug/kg	1.0					
Chrysene	U	0.00	164	330	ug/kg	1.0					
Dibenzo(a,h)anthracene	U	0.00	164	330	ug/kg	1.0					
Fluoranthene	U	0.00	164	330	ug/kg	1.0					
Fluorene	U	0.00	164	330	ug/kg	1.0					
Indeno(1,2,3-c,d)pyrene	U	0.00	164	330	ug/kg	1.0					
Naphthalene	U	0.00	164	330	ug/kg	1.0					
Phenanthrene	U	0.00	164	330	ug/kg	1.0					
Pyrene	U	0.00	164	330	ug/kg	1.0					

The following prep procedures were performed:
 GC/MS Base/Neutral Compounds

MS 01/20/97 1400 95426 3

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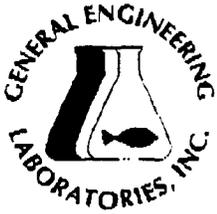
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Laboratory Certifications

STATE	GEL	EPI
FL	ES7156/87294	EA7472/87458
NC	233	
SC	10120	10592
TN	02934	02934

Client: Supervisor of Ship Building & Conversion
 SUPSHIP-Portsmouth Detachment-Env.
 1899 North Hobson Ave.
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiers

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00196

Report Date: January 24, 1997

Page 2 of 2

Sample ID : SPORT0303-2

Surrogate Recovery	Test	Percent%	Acceptable Limits
2-Fluorobiphenyl	M610	95.2	(30.0 - 115.)
Nitrobenzene-d5	M610	81.8	(23.0 - 120.)
p-Terphenyl-d14	M610	94.4	(37.3 - 128.)
Bromofluorobenzene	BTEX-8260	102.	(53.5 - 154.)
Dibromofluoromethane	BTEX-8260	103.	(63.4 - 136.)
Toluene-d8	BTEX-8260	106.	(72.1 - 137.)
Bromofluorobenzene	NAP-8260	102.	(53.5 - 154.)
Dibromofluoromethane	NAP-8260	103.	(63.4 - 136.)
Toluene-d8	NAP-8260	106.	(72.1 - 137.)

M = Method	Method-Description
M 1	EPA 8260
M 2	EPA 8270
M 3	EPA 3550

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

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This data report has been prepared and reviewed in accordance with General Engineering Laboratories standard operating procedures. Please direct any questions to your Project Manager, Karen Blakemey at (803) 769-7386.

Karen Blakemey

Reviewed By

PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29407

(803) 556-8171 • Fax (803) 766-1178

9701282-02



NIDWC 00196

General Engineering Laboratories, Inc.
 2040 Savage Road
 Charleston, South Carolina 29414
 P.O. Box 30712
 Charleston, South Carolina 29417
 (803) 556-8171

CHAIN OF CUSTODY RECORD

9701282

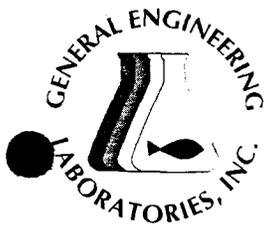
Page 1 of 1

Client Name/Facility Name				SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods														Remarks				
SPORTENVDETC HASN				pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide		Coliform - specify type	STEX plus	NAPTA/ENV	PAH
Collected by/Company				# OF CONTAINERS																		
SPORTENVDETC HASN																						
SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB																
A1 SPORT0303-1	1/15/97	1100	X	X		Z																
A2 SPORT0303-2	1/15/97	1115	X	X		Z																
NOTE: SEE SPORT 0300-5 FOR SOIL TRIP BLANK.																						

Use F or P in the boxes to indicate whether sample was filtered and/or preserved
 CCL 25163

Relinquished by: <i>Brian D. King</i>	Date: 1/15/97	Time: 1445	Received by: <i>W.R. Hiering Jr.</i>	Relinquished by: <i>W.R. Hiering Jr.</i>	Date: 1/15/97	Time: 1530	Received by: <i>Crystal Henderson</i>
Relinquished by: <i>Crystal Henderson</i>	Date: 1/15/97	Time: 15:57	Received by lab by: <i>Dorome Franco</i>	Date: 1/15/97	Time: 1551	Remarks:	

White = sample collector Yellow = file Pink = with report



GENERAL ENGINEERING LABORATORIES

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Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87294	E87472/87
NC	233	
SC	10120	10582
TN	02934	02934

Client: Supervisor of Ship Building & Conversion
 SUPSHIP-Portsmouth Detachment-Env.
 1899 North Hobson Ave.
 North Charleston, South Carolina 29405-2106

Contact: Mr. Bill Hiers

Project Description: SUPSHIP-Portsmouth Detachment

cc: NPWC00196

Report Date: January 24, 1997

Page 1 of 2

Sample ID : SPORT0300-5
 Lab ID : 9701281-05
 Matrix : Soil
 Date Collected : 01/15/97
 Date Received : 01/15/97
 Priority : Routine
 Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Volatlie Organics											
BTEX - 4 items											
Benzene	U	0.00	1.00	2.00	ug/kg	1.0	JAC	01/22/97	1128	96708	1
Ethylbenzene	U	0.00	1.00	2.00	ug/kg	1.0					
Toluene	U	0.00	1.00	2.00	ug/kg	1.0					
Xylenes (TOTAL)	U	0.00	1.00	4.00	ug/kg	1.0					
Naphthalene	U	0.00	1.00	2.00	ug/kg	1.0					

Surrogate Recovery	Test	Percent%	Acceptable Limits
Bromofluorobenzene	BTEX-8260	96.0	(53.5 - 154.)
Dibromofluoromethane	BTEX-8260	98.0	(63.4 - 136.)
Toluene-d8	BTEX-8260	103.	(72.1 - 137.)
Bromofluorobenzene	NAP-8260	96.0	(53.5 - 154.)
Dibromofluoromethane	NAP-8260	98.0	(63.4 - 136.)
Toluene-d8	NAP-8260	103.	(72.1 - 137.)

M = Method	Method-Description
M 1	EPA 8260

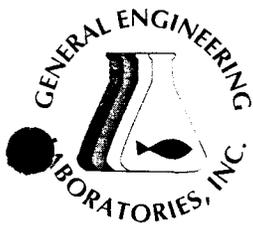
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29407

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9701281-05



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SC	10120	10582
TN	02934	02934

Client: Supervisor of Ship Building & Conversion
SUPSHIP-Portsmouth Detachment-Env.
1899 North Hobson Ave.
North Charleston, South Carolina 29405-2106

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cc: NPWC00196

Report Date: January 24, 1997

Page 2 of 2

Sample ID : SPORT0300-5

M = Method

Method-Description

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

● indicates that a quality control analyte recovery is outside of specified acceptance criteria.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories standard operating procedures. Please direct any questions to your Project Manager, Karen Blakeney at (803) 769-7386.

Reviewed By Karen Blakeney



N 0000196

General Engineering Laboratories, Inc.
 2040 Savage Road
 Charleston, South Car. 14
 P.O. Box 30712
 Charleston, South Carolina 29417
 (803) 556-8171

CHAIN OF CUSTODY RECORD

Page 1 of 1

9701281

Client Name/Facility Name		SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods										Use F or P in the boxes to indicate whether sample was filtered and/or preserved							
Collected by/Company		pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol		Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type	BTX PLUS WAPTHANE	PAH
SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS												
SPORTENVDETC HASN																			
SPORTENVDETC HASN																			
01	SPORT 300-1	1/15/97	1240	X	X	X	2										X	X	AST 2524B-1 Soil
02	SPORT 300-2	1/15/97	1245	X	X	X	2										X	X	AST 2524B-2 Soil
03	SPORT 300-3	1/15/97	1250	X	X	X	2										X	X	AST 2524B-3 Soil
04	SPORT 300-4	1/15/97	1255	X	X	X	2										X	X	AST 2524B-4 Soil
05	SPORT 300-5	1/15/97	1005	X	X	X	1										X		AST SOIL VOATRIPLANK*
*NOTE: TRIP BLANK FOR AST 2524B, AST 2524A, AST 2513-C, AND AST 2556 (SPORT 300/301/302/303).																			
Relinquished by: <i>Bruce King</i>		Date: 1/15/97	Time: 1440	Received by: <i>W.R. Hiers, Jr.</i>		Relinquished by: <i>W.R. Hiers, Jr.</i>		Date: 1/15/97	Time: 1530	Received by: <i>Crystal Henderson</i>									
Relinquished by: <i>Crystal Henderson</i>		Date: 1/15/97	Time: 15:57	Received by lab by: <i>Dionne Francis</i>		Date: 1/14/97	Time: 1557	Remarks:											

White = sample collector Yellow = file Pink = with report

Attachment III

Certificate of Disposal (tank)

AST Certificate of Disposal

CONTRACTOR

Supervisor of Shipbuilding, Conversion and Repair, USN
Portsmouth, VA
Environmental Detachment Charleston
1899 North Hobson Avenue
North Charleston 29405-2106

Telephone (803) 743-6482

TANK ID & LOCATION

2556; Building 2556, Sixth St., Naval Station Annex, N. Charleston, SC

DISPOSAL LOCATION

Bldg. 1601 Tank Cleaning
& Disposal Area
Charleston Naval Complex

TYPE OF TANK

Fuel oil

SIZE (GAL)

3,000 gal.

CLEANING/DISPOSAL METHOD

The tank was cut open on both ends, cleaned with a steam cleaner, cut into sections, and disposed of as recyclable scrap metal.

DISPOSAL CERTIFICATION

I certify that the above tank has been properly cleaned and disposed of as recyclable scrap metal.



Sidney C. Ladson

1 03/10/97
(Date)