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CNC CHARLESTON
5090.3a

ABOVE GROUND STORAGE TANK (AST) ASSESSMENT REPORT BUILDING NH68 AND
AST NH68-1 CNC CHARLESTON SC
01/05/1998
ENVIRONMENTAL DETACHMENT CHARLESTON



June 9, 1998

2600 Bull Street
Columbia, SC 29201-1708

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

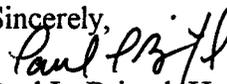
Re: Aboveground Storage Tank Assessment Report dated April 21, 1998
Bldg. NH68 (AST NH68-1) (Site Identification # 15405-General File)
Charleston Naval Complex/Charleston Naval Base
Charleston, SC
Charleston County

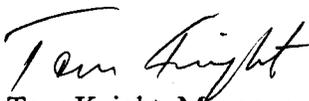
Dear Mr. Magwood:

The author has completed technical review of the referenced document. As submitted, the report provides a narrative describing closure activities and/or 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 visual observations appear to indicate that no additional endeavors for remedial actions and/or contaminant characterization is 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


Tom Knight, Manager
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 4.30.98
Lo 6.9.98
Under
15405
RECEIVED
APR 23 1998
Water Monitoring, Assessment &
5090 Protection Division
Code 1840
21 Apr 1998

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

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

Dear Mr. Bristol:

Enclosed is the Assessment Report for the closure of storage tank AST NH 68-1 located at the Charleston Naval Complex, Charleston, SC.

If you have any questions please contact me at (843) 820-7307.

Sincerely,


GABRIEL L. MAGWOOD
Petroleum/UST

NFA

RECEIVED
APR 23 1998
SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL CONTROL

Aboveground Storage Tank (AST) Assessment Report

Date Received
State Use Only

Submit Completed Form to:
 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: 843 Telephone Number: 743-9985 Contact Person: Henry N. Shepard II, P. E.			

II. SITE IDENTIFICATION AND LOCATION

Site I.D. #:	Unregulated		
Facility Name:	Charleston Naval Base Complex, Bldg NH68		
Street Address:	Turnbull Ave.		
City:	North Charleston, 29405-2413	County:	Charleston

III. CLOSURE INFORMATION

Closure Started: 5 Jan 1998	Closure Completed: 17 Mar 1998
Number of ASTs Closed: 1	
N/A	SPORTENVDETCNASN
Consultant	AST 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.	
Henry N. Shepard II, P. E.	
Name (Type or Print)	
Signature	<i>Henry N. Shepard II</i> 4/14/98

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						
1980						
Steel						
Unk.						
N						
N						
R						
Y						
N						

- L. Method of disposal for any ASTs removed.

AST NH68-1 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.

AST NH68-1 was completely covered with a light coat of rust. But no holes were found in the tank.

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.....

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Copper						
6'						
1 See note 1						
S						
Y						
Y						
N						
1980						

Note 1: AST NH68-1 provided heating fuel oil to building NH68.

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

Spot corrosion was found in the piping, but no holes were found.

VII. BRIEF SITE DESCRIPTION AND HISTORY

Building NH68 is a former medical storehouse on Naval Base Charleston. The building was constructed in 1961.

AST NH68-1 was installed in 1980 to provided heating fuel oil for the building. No samples were taken because the berm's drain emptied directly onto an asphalt parking lot.

X. SAMPLING METHODOLOGY

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

No samples were taken.

XI. RECEPTORS

Yes No

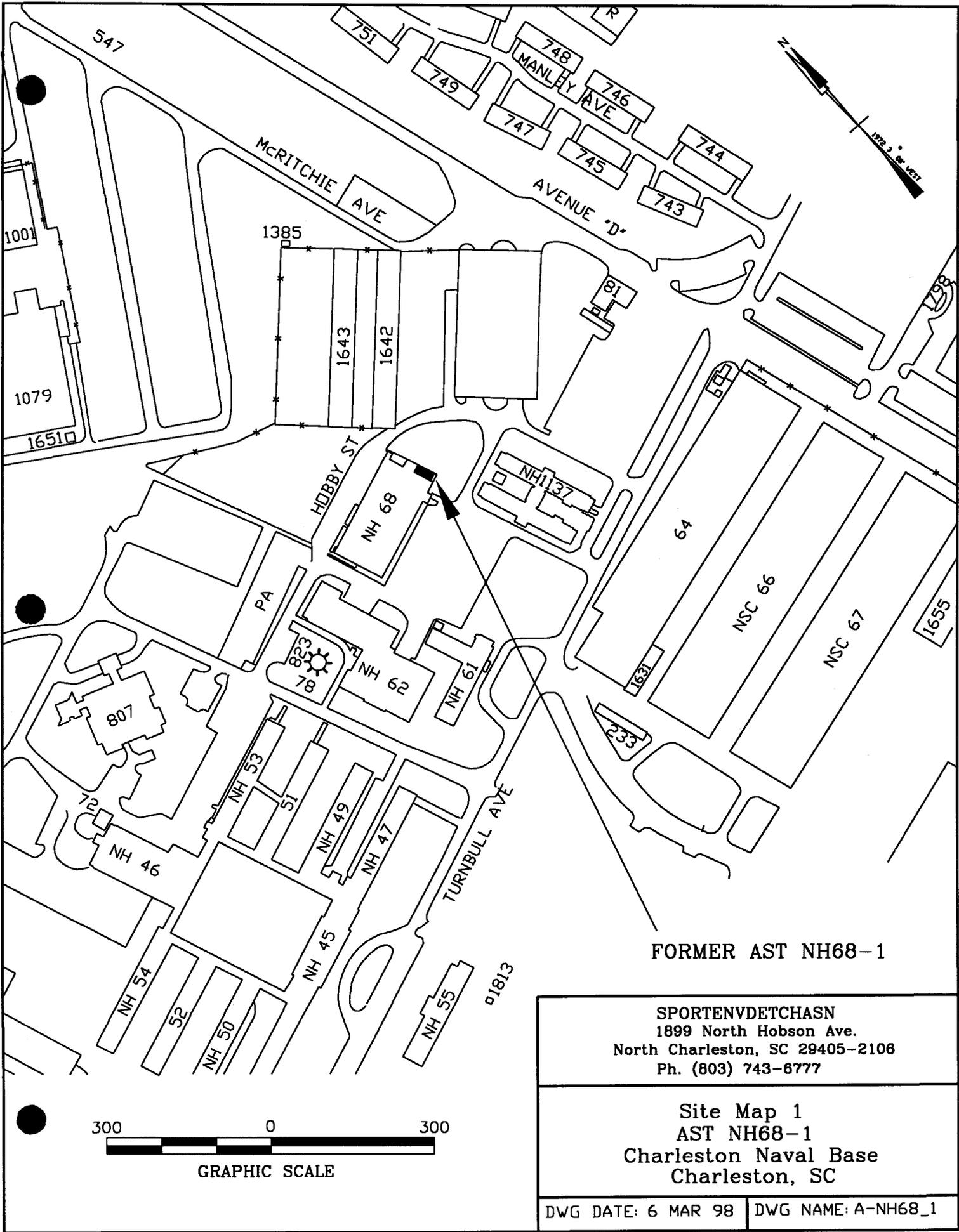
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the AST system?		
If yes, indicate type of receptor, distance, and direction on site map.		X
B. Are there any public, private, or irrigation water supply wells within 1000 feet of the AST system?		
If yes, indicate type of well, distance, and direction on site map.		X
C. Are there any underground structures (e.g., basements) located within 100 feet of the AST system?	X	
If yes, indicate the type of structure, distance, and direction on site map.		
[The boiler room for building NH68 extends below GSL.]		
D. 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?		
If yes, indicate the type of utility, distance, and direction on the site map.	X	
[storm drain]		

Attachment I

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 and 2
Photographs 1 and 2

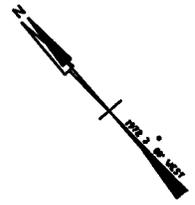


FORMER AST NH68-1

<p>SPORTENVDETHASAN 1899 North Hobson Ave. North Charleston, SC 29405-2108 Ph. (803) 743-8777</p>	
<p>Site Map 1 AST NH68-1 Charleston Naval Base Charleston, SC</p>	
DWG DATE: 6 MAR 98	DWG NAME: A-NH68_1

HOBBY ST

ASPHALT PARKING LOT



□ STORM DRAIN

FORMER AST NH68-1

SUPPLY & RETURN

VENT

FILL

CINDER BLOCK BERM

BOILER RM,
EXTENDS
BELOW GSL

GRASS

MANHOLE

NH68

BERM DRAIN VALVE

MANWAY

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC 29405-2106
Ph. (803) 743-6777

Site Map 2
AST NH68-1
Charleston Naval Base
Charleston, SC

DWG DATE: 23 MAR 98 | DWG NAME: A-NH68_2

AST NH68-1



Photo 1: AST NH68-1 in the berm.

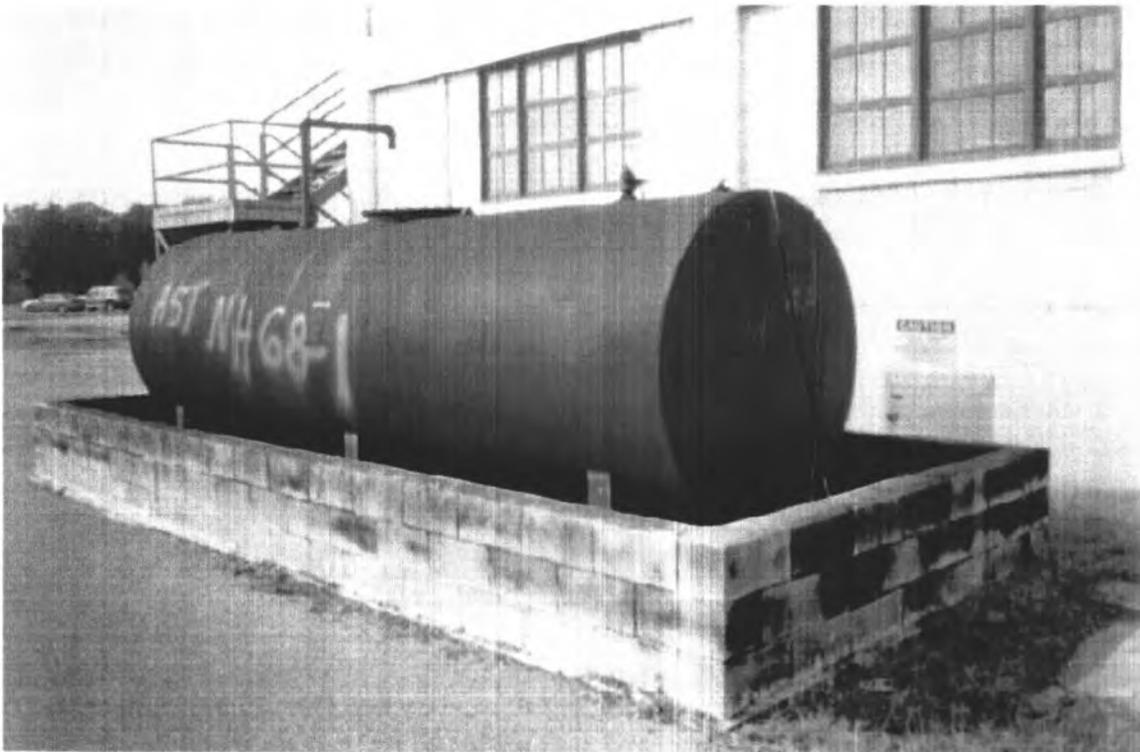


Photo 2: Opposite view of AST NH68-1 in its berm.

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.

No samples were taken.

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

AST NH68-1; Charleston Naval Base, Bldg NH68, Turnbull Ave., 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 G. Ladson

1 3-23-98
(Date)