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CNC CHARLESTON
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CLOSURE AND ASSESSMENT REPORT BUILDING 1640 FOR ABOVE GROUND STORAGE
TANK 1640 (AST 1640) CNC CHARLESTON SC
12/07/1998
ENVIRONMENTAL DETACHMENT CHARLESTON



7 December 1998

2600 Bull Street
Columbia, SC 29201-1708

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Department of the Navy
Southern Division NFEC
P.O. Box 190010
North Charleston, SC 29419-9010
Attention: Mr. Gabriel Magwood

Re: Closure and Assessment Report dated 19 October 1998
Building 1640 (AST 1640) (Site Identification # 15405-General File)
Charleston Naval Complex/Charleston Naval Base
Charleston, SC
Charleston County

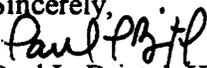
Dear Mr. Magwood:

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 for Building 1640 at this time.

With consideration to the above comments, the Department has reviewed the referenced environmental data. Based on the information and analytical data submitted, the Department recognizes that the Department of the Navy and Charleston Naval Complex/Charleston Naval Base has adequately addressed the known environmental contamination identified on the property to date in accordance with the approved scope of work. Please note, this statement pertains only to the portion of the site addressed in the referenced report and does not apply to other areas of the site and/or any other potential regulatory violations. Further, the Department retains the right to request further investigation if deemed necessary.

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

Li 10.30.98
Lo 12.7.98

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:	Building 1640		
Street Address:	Avenue "A" North		
City:	North Charleston, 29405-2413	County:	Charleston

III. CLOSURE INFORMATION

Closure Started: 10 Sept 1998	Closure Completed: 23 Sept 1998
Number of ASTs Closed: 1	
N/A Consultant	SPORTENVDETHASN 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 Shepard II, P. E.	
Name (Type or Print)	
Signature	10/8/98

RECEIVED

27 98 1998

Water Monitoring, Assessment &
Protection Division

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						
1,000						
1989						
Steel						
3/96						
N						
N						
R						
Y						
N						

- L. Method of disposal for any ASTs removed.

AST 1640 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 1640 had patches of rust throughout its exterior, where the paint had peeled away.

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 1: AST 1640 provided heating fuel oil for building 1640.

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Steel						
5'						
1 see note 1						
S						
Y						
Y						
N						
1989						

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

Surface rust was noted on the piping, which was completely above ground and contained within the berm. No holes or leakage from joints were found.

VII. BRIEF SITE DESCRIPTION AND HISTORY

Building 1640 was constructed in 1989. It served as a hazardous material warehouse until base closure in March 1996.

Samples were not taken because AST 1640 was surrounded by a concrete berm situated in an asphalt parking lot.

VIII. SITE CONDITIONS

Yes No Unk

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

IX. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 10120

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected By	OVA#
No samples were taken							

* = Depth Below the Surrounding Land Surface

X. SAMPLING METHODOLOGY

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

Samples were not taken.

XI. RECEPTORS

Yes No

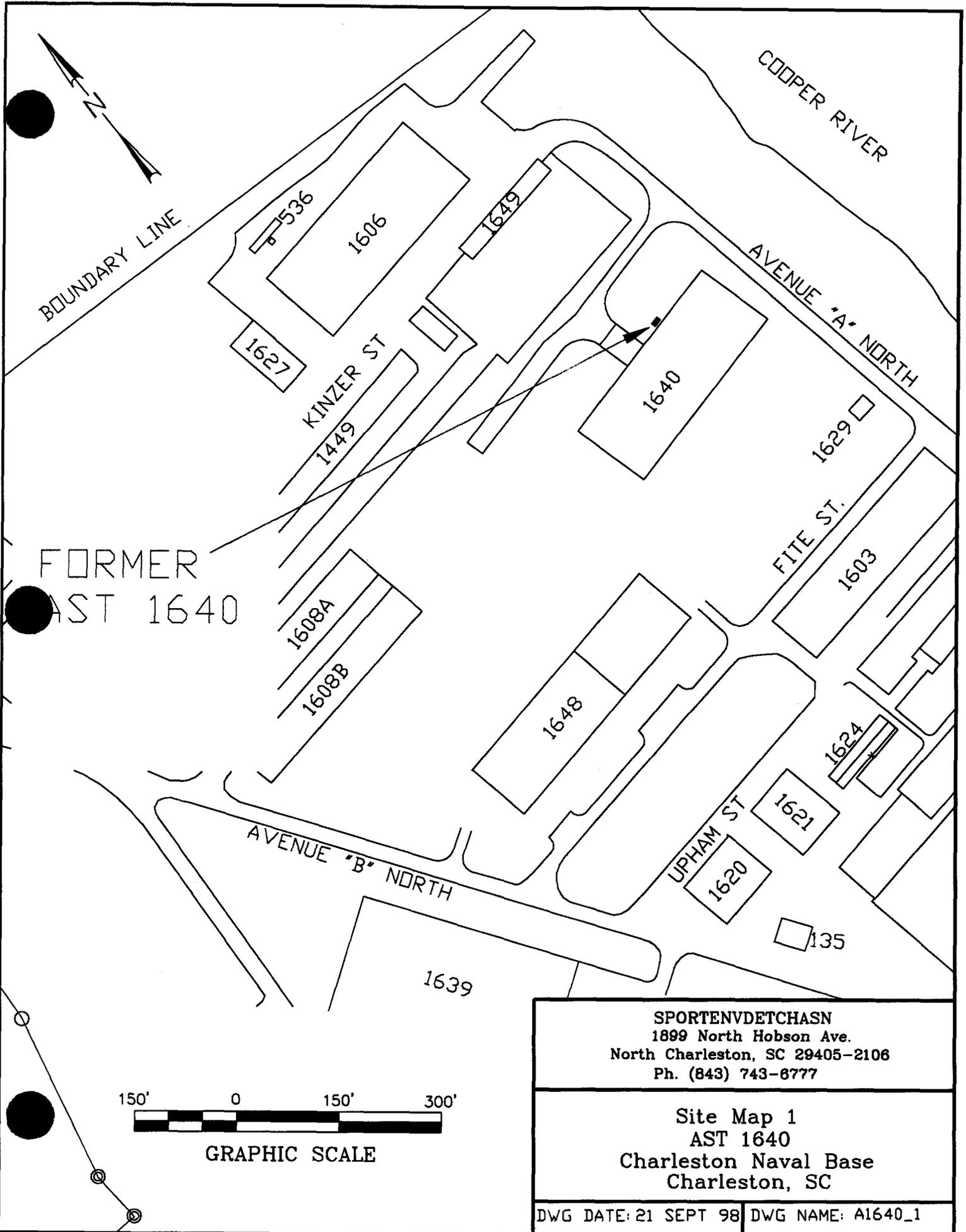
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the AST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p> <p style="text-align: center;">[Cooper River ~ 300']</p>	X	
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the AST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>		X
<p>C. 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
<p>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?</p> <p style="text-align: center;">[storm drain]</p>	X	

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, 2, and 3
Photographs 1, 2, and 3



SPORTENVDETHASN
 1899 North Hobson Ave.
 North Charleston, SC 29405-2106
 Ph. (843) 743-8777

Site Map 1
 AST 1640
 Charleston Naval Base
 Charleston, SC

DWG DATE: 21 SEPT 98 | DWG NAME: A1640_1



STORM DRAIN, TYP.



COOPER RIVER ~300'

ASPHALT PAVEMENT

FORMER AST 1640

SCALE

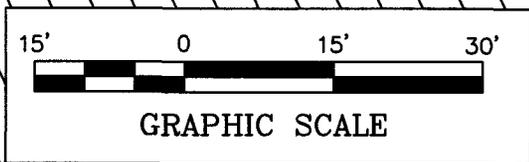


BLDG 1640



BUILDING CANOPY

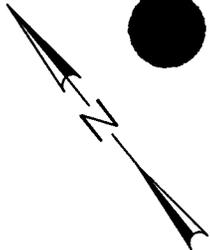
MANHOLE



SPORTENVDETHASN
 1899 North Hobson Ave.
 North Charleston, SC
 29405-2106
 Ph. (843) 743-6777

Site Map 2
 AST 1640
 Charleston Naval Base
 Charleston, SC

DWG DATE: 21 SEPT 98 DWG NAME: A1640_2



COOPER RIVER ~ 300'

FORMER AST 1640

BERM DRAIN VALVE

CINDERBLOCK BERM

VENT

ASPHALT

STEEL RETURN PPG

FILL

STEEL SUPPLY PPG & CUT OFF VALVE

BLDG 1640

NOTE:
BERM WAS CLEAN AND FREE OF FUEL OIL ODDOR OR STAINING



GRAPHIC SCALE

SPORTENVDETHASN
1899 North Hobson Ave.
North Charleston, SC
29405-2106
Ph. (843) 743-6777

Site Map 3
AST 1640
Charleston Naval Base
Charleston, SC

DWG DATE: 22 SEPT 98 | DWG NAME: A 1640_3

AST 1640



Photo 1: AST 1640's berm beside Building 1640.

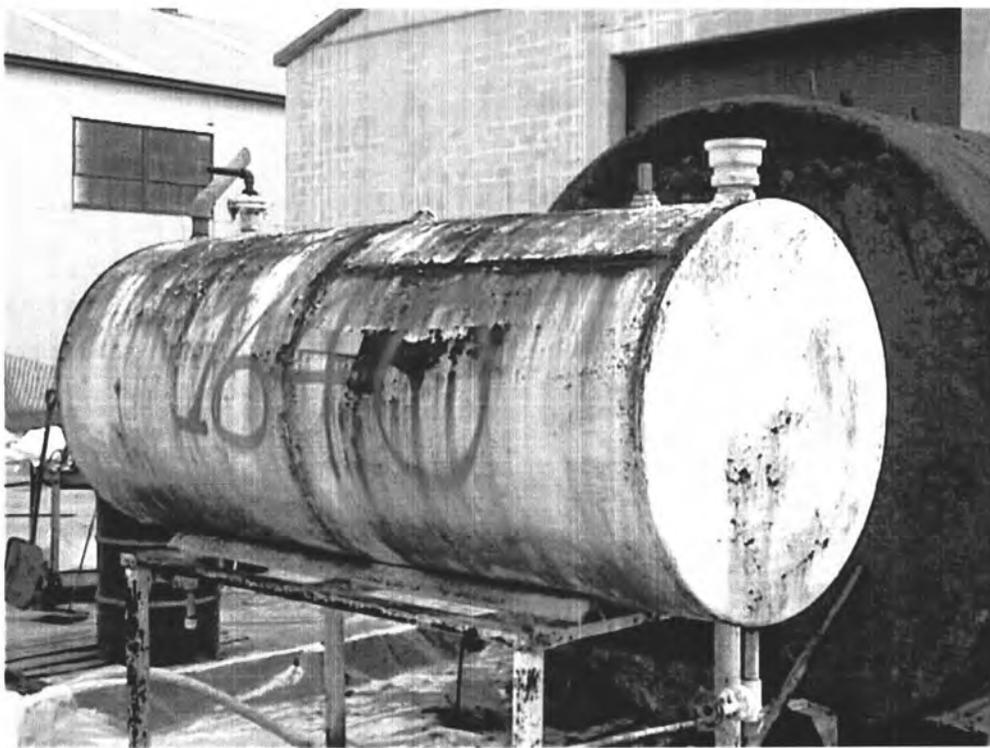


Photo 2: AST 1640 at the tank cleaning and cutting pad.

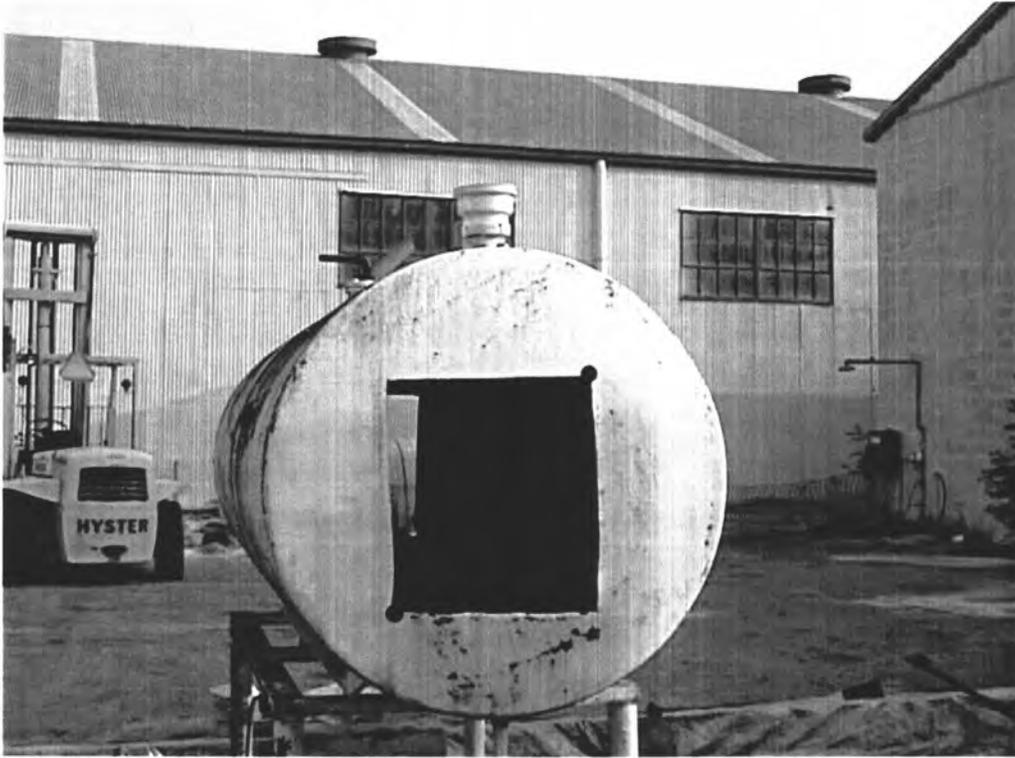


Photo 3: AST 1640 during cutting and cleaning.

Attachment II

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)

