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CNC CHARLESTON
5090.3a

CLOSURE AND ASSESSMENT REPORT STRUCTURE 1306 FOR ABOVE GROUND
STORAGE TANK 1306 (AST 1306) CNC CHARLESTON SC
07/14/1998
ENVIRONMENTAL DETACHMENT CHARLESTON

D H E C



PROMOTE PROTECT PROSPER

14 July 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
Attn: Mr. Gabriel Magwood

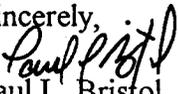
Re: Closure and Assessment Report dated 18 May 1998
Structure 1306 (AST 1306) (Site Identification # 15405-General File)
Charleston Naval Complex/Charleston Naval Base
Charleston, SC
Charleston County

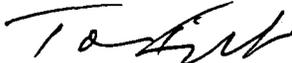
Dear Mr. Magwood:

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. Please be aware this statement pertains only to the portion of the facility addressed in the referenced document and does not apply to other areas of the facility and/or any other potential regulatory violations. The Department retains the authority to request additional assessments and/or remedial endeavors, as appropriate, if future conditions or information warrant and are 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



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

Li 5.28.98
RECEIVED 5/18/98

MAY 20 1998

Water Monitoring, Assessment &
5090
Protection Division
Code 1849
18 May 1998

Mr. Paul Bristol
South Carolina Department of Health
And Environmental Control
Division of Underground Storage Tank
2600 Bull Street
Columbia, SC 29201

#15405
General
3

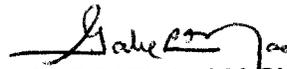
**UST ASSESSMENT REPORT FOR CHARLESTON NAVAL COMPLEX,
CHARLESTON, SC**

Dear Mr. Bristol:

Enclosed are the Assessment Reports for the closure of Aboveground Storage Tanks 1306, CTF-1 and CTF-2 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

Encl:
Assessment Report

RECEIVED

Aboveground Storage Tank (AST) Assessment Report

MAY 20 1998

Date Received
State Use Only

Submit Completed Form to:
SCDHEC
2600 Bull Street
Columbia, South Carolina 29201
Telephone (803) 734-5331
Water Monitoring, Assessment & Protection Division

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, Structure 1306		
Street Address:	Dyess Avenue		
City:	North Charleston, 29405-2413	County:	Charleston

III. CLOSURE INFORMATION

Closure Started: 22 Jan 98	Closure Completed: 23 Jan 98
Number of ASTs Closed: 1	
N/A Consultant	SPORTENVDETCNASN 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	Henry N. Shepard II 5/6/98

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						
5,000 gal						
Unk.						
Aluminum						
Unk.						
N						
N						
R						
N						
N						

- L. Method of disposal for any ASTs removed.

AST 1306 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 1306 was in very good condition. No corrosion, pitting, or holes were found.

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
See Para VII					
40'					
See Para VII					
S					
Y					
N/A					
N/A					
Unk.					

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

Piping had been previously moved by the Charleston Naval Base prior to base closure.

VII. BRIEF SITE DESCRIPTION AND HISTORY

Structure 1306 was a 5,000 gallon aluminum tank which supplied fuel oil for the firefighting training complex of the Charleston Naval Base.

The tank was situated on steel legs inside a poured concrete berm 3 feet high. The berm drain valve empties onto the asphalt pavement of the school, therefore, no soil sample was taken. All piping associated with the AST was removed prior to base closure.

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

<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the AST system? [Cooper R. ~750'] If yes, indicate type of receptor, distance, and direction on site map.</p>	<p>X</p>	
<p>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.</p>		<p>X</p>
<p>C. Are there any underground structures (e.g., basements) located within 100 feet of the AST system? If yes, indicate the type of structure, distance, and direction on site map.</p>		<p>X</p>
<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? If yes, indicate the type of utility, distance, and direction on the site map. [Storm drain, drainage ditch]</p>	<p>X</p>	

Attachment I

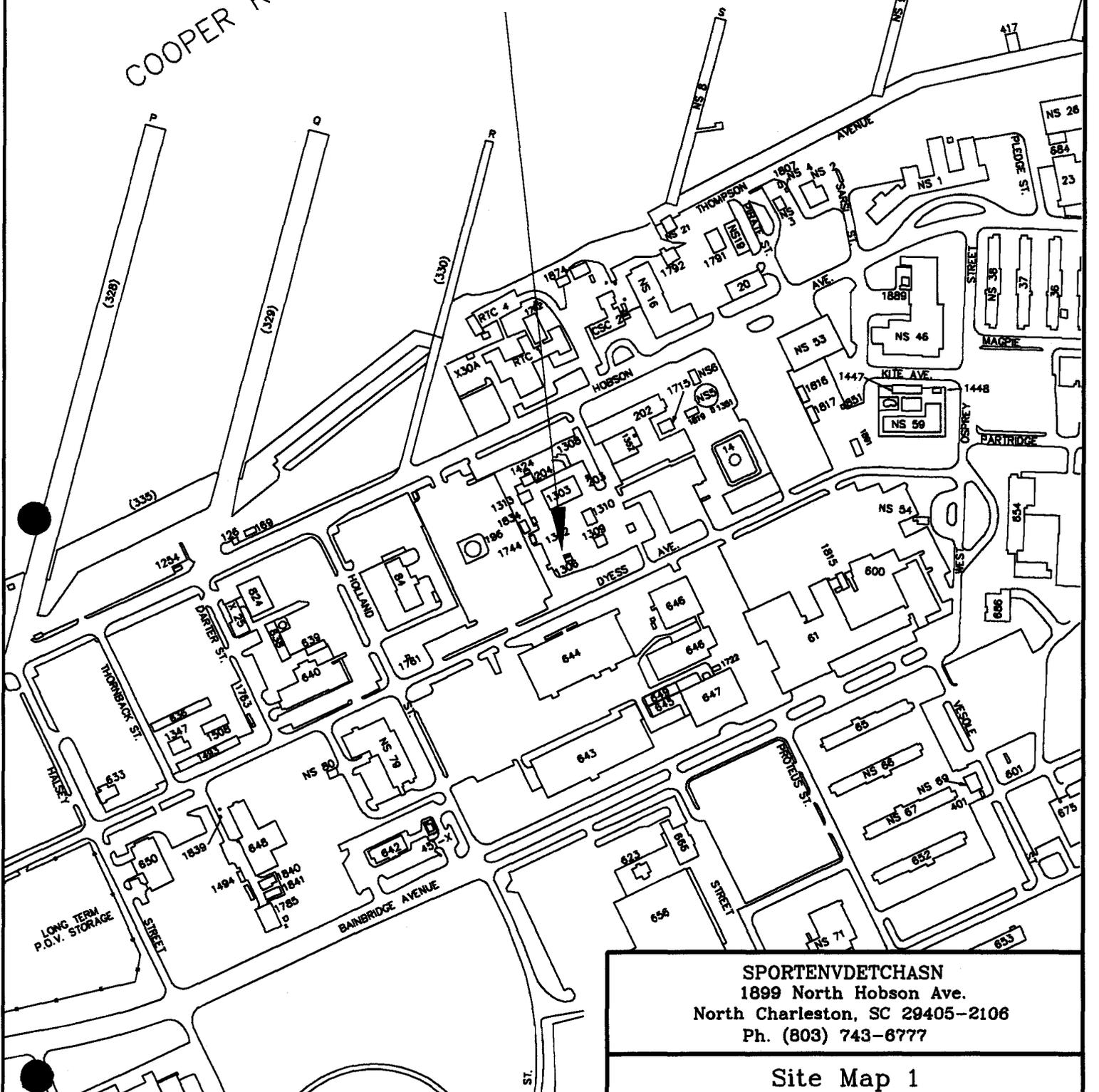
SITE MAP

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 and 2

FORMER AST 1306

COOPER R.



300 0 300 600

GRAPHIC SCALE

SPORTENVDETCNAS
1899 North Hobson Ave.
North Charleston, SC 29405-2108
Ph. (803) 743-6777

Site Map 1
AST 1306
Charleston Naval Base
Charleston, SC

DWG DATE: 22 APR 98 | DWG NAME: A1306_1

1302

1310

□ STORM DRAIN

⊙ MONITORING WELL NBCH 013-001



FORMER AST 1306

~ 750' TO COOPER R.

□ STORM DRAIN

CONCRETE BERM, 3' HIGH

1309

OPEN CHANNEL DRAIN

STORM DRAIN



STORM DRAIN

PVC PIPE

FENCE

ASPHALT

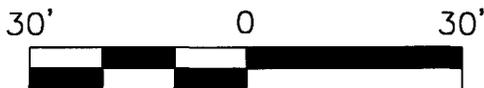
⊙ MONITORING WELL NBCH 013-002

GRASS

DRAINAGE DITCH

DYESS AVE.

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



GRAPHIC SCALE

Site Map 2
AST 1306
Charleston Naval Base
Charleston, SC

DWG DATE: 22 APR 98 | DWG NAME: A1306_2



~750' to Cooper R.

CONCRETE BERM, 3' HIGH

FORMER AST 1306

BERM DRAIN VALVE

PVC PIPE

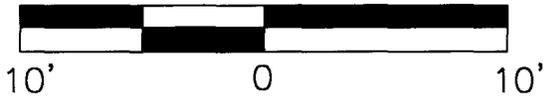
OPEN CHANNEL DRAIN

FENCE

ASPHALT

GRASS

GRAPHIC SCALE



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

Site Map 3
AST 1306
Charleston Naval Base
Charleston, SC

DWG DATE: 23 APR 98 | DWG NAME: A1306_3

AST 1306



Photo 1: AST 1306 in the tank cutting pad berm.



Photo 2: Reverse angle of AST 1306 on the cutting pad.

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

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 1306; Charleston Naval Base, Structure 1306, Dyess Ave., N. Charleston, SC

DISPOSAL LOCATION

Bldg. 1601 Tank Cleaning
& Disposal Area
Charleston Naval Complex

TYPE OF TANK

Fuel oil

SIZE (GAL)

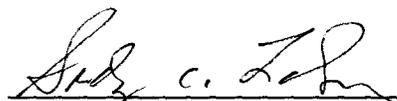
5,000 gal.

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 4/23/98

(Date)