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CNC CHARLESTON
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UNDERGROUND STORAGE TANK (UST) ASSESSMENT REPORT FOR BUILDING 220 CNC
CHARLESTON SC
04/21/1998
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

L 6.5.98
L 7.15.98

NFA
RECEIVED
JUN 4 1998
State Monitoring Assessment & Control Division

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, Building 220
Street Address: Everglades Avenue
City: North Charleston, 29405-2413 County: Charleston

III. CLOSURE INFORMATION

Closure Started: 21 April 1998 Closure Completed: 21 April 1998
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 PE* 5/20/98

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						
275 gal.						
Unk.						
Steel						
3/96						
N						
N						
R						
N						
N						

- L. Method of disposal for any ASTs removed.

AST 220 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 220 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.....

Note 1: AST 220 provided heating fuel oil to Building 220.

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

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

The piping for AST 220 had been disconnected and removed during base closure.

VII. BRIEF SITE DESCRIPTION AND HISTORY

Building 220 is the former Golf Pro Shop and Snack Bar associated with the Charleston Naval Base golf course. It was constructed in 1968 on the site of a former enlisted men's barracks. AST 220 was situated behind Building 220 on a concrete slab surrounded by an asphalt parking lot. Therefore, no samples were taken. The tank was disconnected and the piping removed during base closure.

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#
	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.

No samples were taken.

XI. RECEPTORS

Yes No

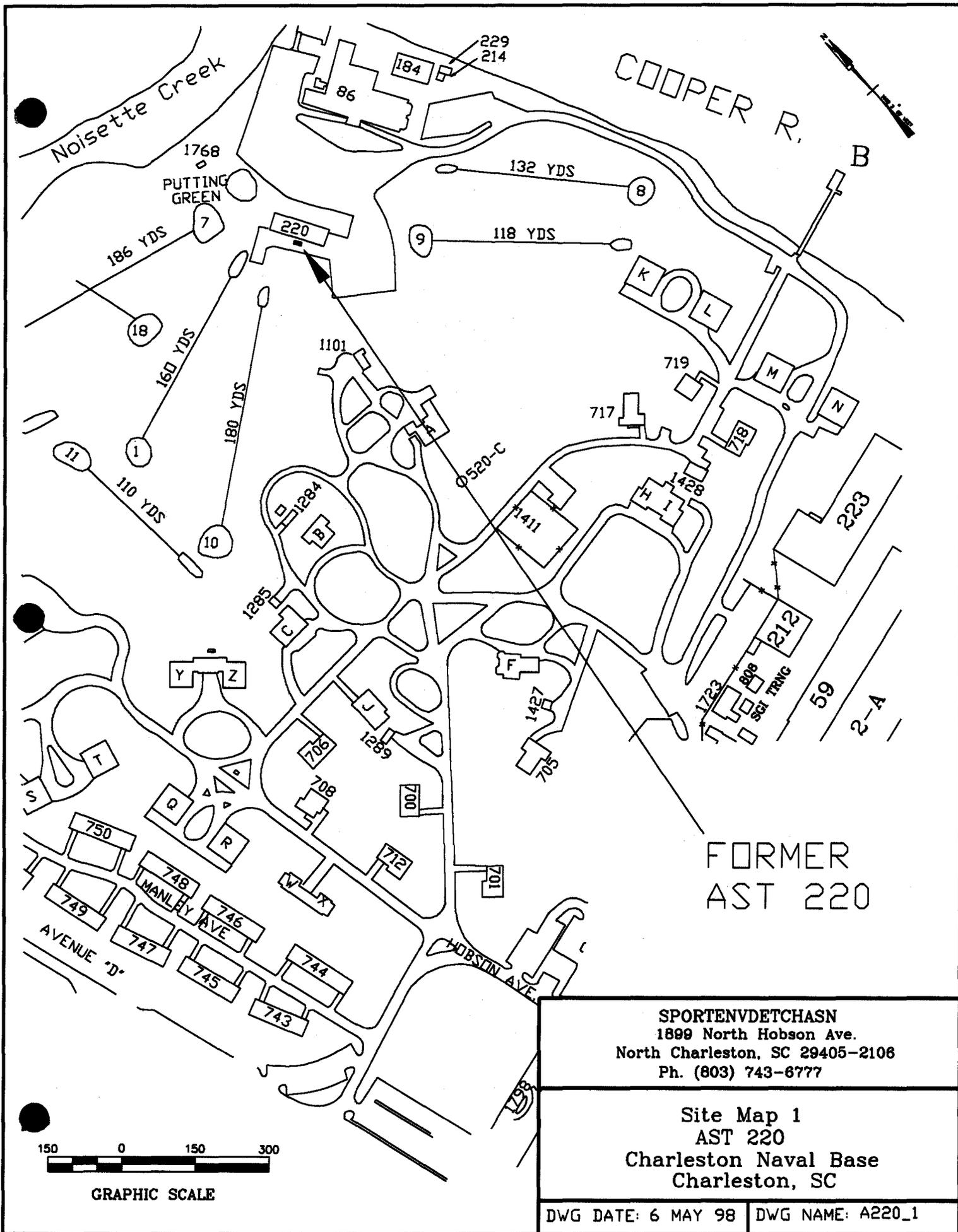
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the AST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p> <p>[Noisette Creek ~ 316', Cooper River ~ 463']</p>	<p>X</p>	
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the AST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p>		<p>X</p>
<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>		<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?</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p> <p>[water]</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 and 2
Photograph 1



FORMER
AST 220

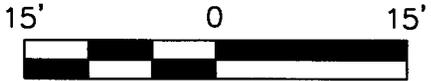
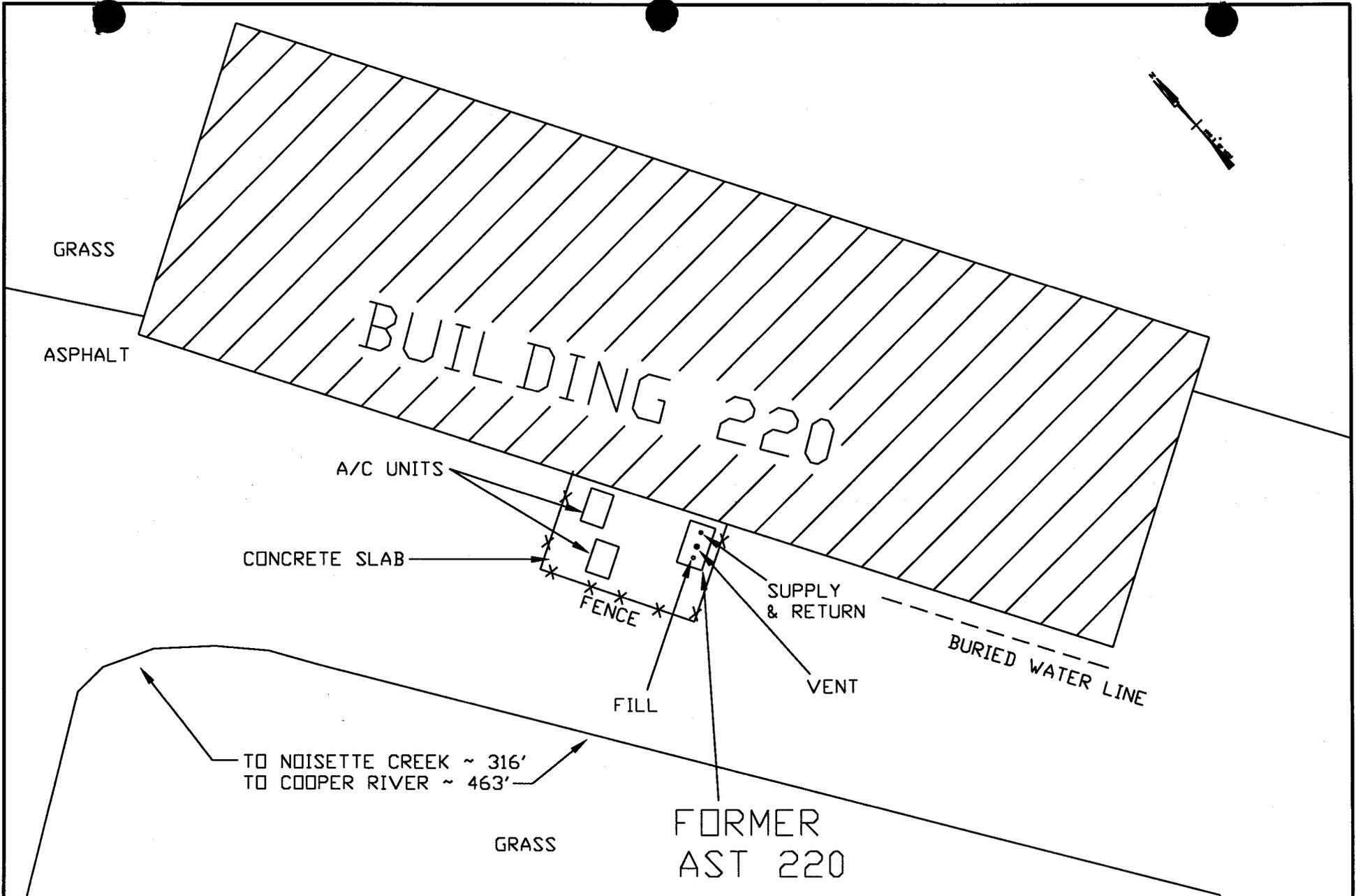
SPORTENVDETHASN
 1899 North Hobson Ave.
 North Charleston, SC 29405-2106
 Ph. (803) 743-6777

Site Map 1
 AST 220
 Charleston Naval Base
 Charleston, SC

DWG DATE: 6 MAY 98 | DWG NAME: A220_1



GRAPHIC SCALE



GRAPHIC SCALE

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

Site Map 2
 AST Building 220
 Charleston Naval Base
 Charleston, SC

DWG DATE: 12 MAY 98	DWG NAME: A220_2
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AST BUILDING 220



Photo 1: AST 220 just prior to removal.

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

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 (843) 743-6482

TANK ID & LOCATION

AST 220; Building 220, Everglades Ave., N. Charleston, SC

DISPOSAL LOCATION

Bldg. 1601 Tank Cleaning
& Disposal Area
Charleston Naval Complex

TYPE OF TANK

Fuel oil

SIZE (GAL)

275 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
Sidney C. Ladson

105/07/98
(Date)



File

15 July 1998

2600 Bull Street
Columbia, SC 29201-1708

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Rodney L. Grandy

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

Re: Underground Storage Tank Assessment Report dated 1 June 1998
Building 220 (AST 220) (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 220 (AST 220) 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 Bristol
Paul L. Bristol, Hydrogeologist
Groundwater Quality Section
Bureau of Water

Tom Knight
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

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Li 6.5.98
Lo 7.15.98

0990
Code 1849
1 June 1998
RECEIVED
JUN 4 1998
Water Monitoring, Assessment &
Protection Division

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

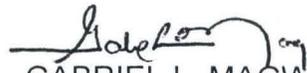
**UST ASSESSMENT REPORTS FOR CHARLESTON NAVAL COMPLEX,
CHARLESTON, SC**

Dear Mr. Bristol:

Enclosed are the Assessment Reports for the closure of Underground Storage Tanks A, K, L, M, N, Y, 220 and 3909 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

As to be changed
15405

Encl:
(1) Assessment Reports