

N61165.AR.005079
CNC CHARLESTON
5090.3a

ABOVE GROUND STORAGE TANK (AST) ASSESSMENT REPORT BUILDING 1708 AT
BUILDING X54 ABOVE GROUND STORAGE TANK 1708 CNC CHARLESTON SC
09/16/1996
ENVIRONMENTAL DETACHMENT CHARLESTON



Department of Health and Environmental Control
2600 Bull Street, Columbia, SC 29201-1708

Commissioner: Douglas E. ...

Board: John H. Burriss, Chairman
William M. Hull, Jr., MD, Vice Chairman
Roger Leaks, Jr., Secretary

Promoting Health, Protecting the Environment

Richard E. Jabbour, DDS
Cyndi C. Mosteller
Brian K. Smith
Rodney L. Grandy

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 (received) February 3, 1997
Building 1708 (DHEC Site Identification # 15405- General)
Charleston Naval Complex/Charleston Naval Base (CNB)
Charleston, SC
Charleston County

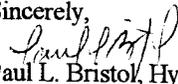
Date: March 6, 1997

Dear Mr. Magwood:

The author has completed technical review of the referenced document. As submitted, the report provides narrative describing the history and closure of the AST at the referenced location. Based on the lack of visible evidence demonstrating a release from the system during closure, it does not appear that additional assessment activities associated with the AST are warranted for this site. Please be aware that if in the future contamination is identified which is attributable to this site, additional assessment 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 Assessment and Development Section
Bureau of Water

cc: Trident District EQC

Li 2.19.97
L 3.11.97



DEPARTMENT OF THE NAVY

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

5090
Code 1849
31 Jan 1997

RECEIVED

FEB 03 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 REPORT FOR: UST 240, UST NH 1137-1 and NH 1137-2, NS 4-TNK -1, UST 1708 and NH 46 CHARLESTON NAVAL COMPLEX, CHARLESTON, SC

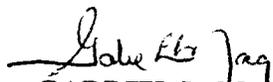
Dear Mr. Bristol:

Enclosed are the Assessment Reports for the closure of underground storage tanks 240, NH 1137-1 and 2, NS 4-tnk-1, 1708 and NH 46 located at the Charleston Naval Complex, Charleston, SC.

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

UST 240 - 2.5.97 BUSTWA
NH 1137 - 17754
AST 1708 - 15405 (General)
NS 4 - 17595 (Bldg NS 2)
NH 46 - 17755

Sincerely,


GABRIEL L. MAGWOOD
Petroleum/UST

Encl:
(1) UST Assessment Report

#15405
General

Li 2.19.97
Lo 3.11.97
AM

Aboveground Storage Tank (AST) Assessment Report

RECEIVED
FEB 03 1997
Groundwater Assessment
and Development Section

Date Received

State Use Only

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

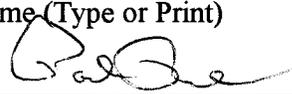
II SITE IDENTIFICATION AND LOCATION

Site I.D. #: AST 1708
Facility Name: Charleston Naval Base Complex, Bldg 1708 at Bldg X54
Street Address: Juneau Avenue
City: North Charleston, 29405-2413 County: Charleston

III CLOSURE INFORMATION

Closure Started: 16 Sept 1996 Closure Completed: 16 Sept 1996
Number of ASTs Closed: 1
N/A Consultant SPORTENVDETHASAN
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

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						
2,200 gal.						
1966						
Steel						
1988						
N						
N						
R						
N						
N						

- L. Method of disposal for any ASTs removed.

The AST was removed, 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

There were no sludge or petroleum, because AST 1708 had been emptied and partially cleaned by Naval Base Public Works prior to base closure. Waste water generated by Detachment Charleston during steam cleaning was 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.

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
Steel						
4' see note 1						
1						
S						
N						
N						
N						
1966						

Note 1: AST 1708 provided fuel oil for an electric generator for building X54.

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

No corrosion, pitting, or holes were observed. Piping had been disconnected and sealed by the Naval Shipyard Public Works 1988.

VII. BRIEF SITE DESCRIPTION AND HISTORY

AST 1708 was the fuel oil supply for Building 1708's electric generator, which provided electricity for Building X54, the Naval Base Correctional Custody Unit. In 1988 the electric generator in Building 1708 was removed and AST 1708 was closed by Public Works. Building 1708 served as an office until base closure.

Building X54 has been designated area of concern (AOC) 686, and is listed in the Final RCRA Facility Assessment for Naval Base Charleston, Volume II, paragraph 5.156. The building had been used to store high explosives (small arms and ammunition) during its use as a Correctional Custody Unit. No further action was recommended for the site due to the lack of evidence of a release.

X. SAMPLING METHODOLOGY

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

No samples were taken at this location due to its association with AOC 686, where the Final RCRA Facility Assessment found no evidence of a spill, spill reports, or employee interviews which would indicate any release at this site.

XI. RECEPTORS

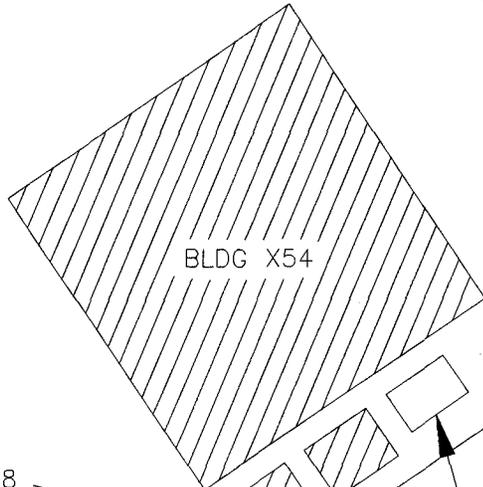
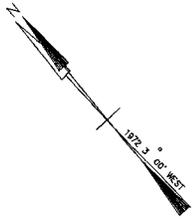
Yes No

<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the AST system?</p> <p style="text-align: right;">[*Cooper R. 102']</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</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>If yes, indicate the type of utility, distance, and direction on the site map.</p>		X

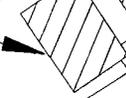
SITE MAP

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 and 2
Photograph 1



BUILDING 1708

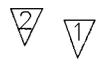


FORMER AST 1708

JUNEAU AVE.

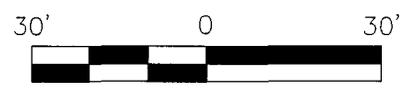
COOPER R.

COOPER R. 102'



KEY

- ▽1 - MONITORING WELL NBCI-GDI-09D
- ▽2 - MONITORING WELL NBCI-GDI-009



GRAPHIC SCALE

Site Map 2
AST 1708
Charleston Naval Base
Charleston, SC

SPORTENVDETCHASN
1899 North Hobson Avenue
North Charleston, SC 29405-2106
DWG DATE: 5 DEC 96 DWG NAME: AT1708_2

AST 1708

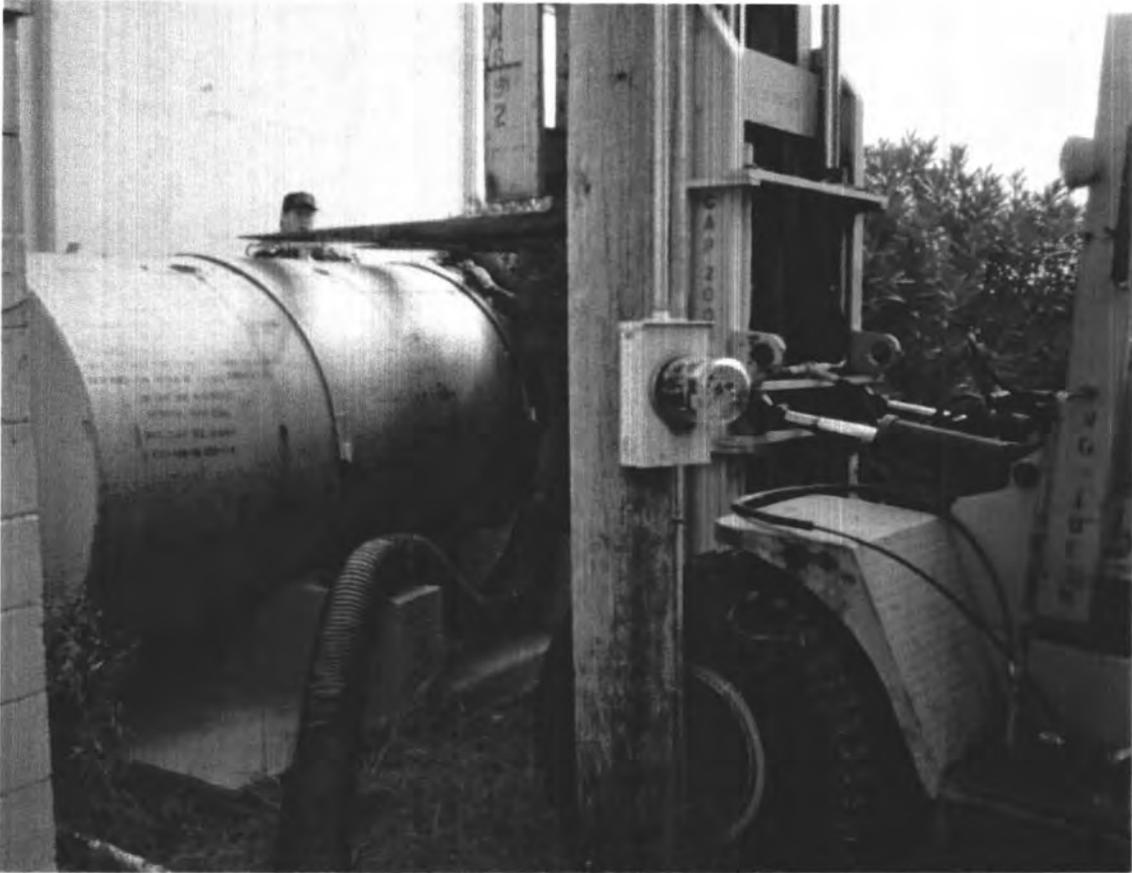


Photo 1: AST 1708 during removal.

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.

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 1708, Charleston Naval Base, Building 1708, Juneau Ave., N. Charleston, SC

DISPOSAL LOCATION

Bldg. 1601 Tank Cleaning
& Disposal Area
Charleston Naval Complex

TYPE OF TANK

Fuel oil

SIZE (GAL)

2, 200 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 Ladson (Name)

11/27/96

(Date)