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ABOVE GROUND STORAGE TANK (AST) ASSESSMENT REPORT FOR BUILDING 32 CNC  
CHARLESTON SC  
6/1/2001  
ENVIRONMENTAL ENTERPRISE GROUP

**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: Matthew Humphrey			

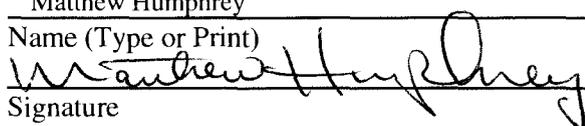
**II. SITE IDENTIFICATION AND LOCATION**

Site I.D. #:	Unregulated		
Facility Name:	Charleston Naval Base Complex, Building 32		
Street Address:	1975 North Hobson Avenue		
City:	North Charleston, 29405	County:	Charleston

**III. CLOSURE INFORMATION**

Closure Started: 16 May 2001	Closure Completed: 1 June 2001
Number of ASTs Closed: 1	
N/A	EEG, Inc.
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.	
Matthew Humphrey	
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. Date Tanks Removed/Filled.....
- J. Visible Corrosion or Pitting Y/N.....
- K. Visible Holes Y/N.....

Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
Diesel				
114,000 gal				
13 years				
Steel				
8/99				
N				
N				
R				
24 May 2001				
Y				

- L. Method of disposal for any ASTs removed.

AST 501 was cut up for recycling as scrap metal. (See Attachment III.)

Note 1: AST 501 had been drained, cut open in the side, and steam cleaned by others in August 1999.

- M. Method of disposal for any liquid petroleum, sludges, or waste waters removed from the ASTs.

N/A - see note above.

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

Only surface rust was found on AST 501.

**VI. PIPING INFORMATION**

(See Note 2)

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

Tank 1	Tank 2	Tank 3	Tank 4	Tank 5
Steel				
various				
Unk.				
S & P (both)				
Y				
N				
N				
Unk.				

No corrosion, pitting, or holes were found in the piping that was removed during this evolution.

Note 2: Supply & return lines had been previously removed from the tank by others in 1999. During this closure, a level indicator line and tank vent line were removed. Paragraphs F, G and I apply to the indicator line and vent line only.

**VII. BRIEF SITE DESCRIPTION AND HISTORY**

Building 32 was constructed in 1909 as the central power house and is designated a historical landmark. AST 501 was installed in 1988 or 1989 as part of a system to provide fuel to various boilers, generators, etc. throughout building 32. In August of 1999, others took the tank out of service by removing the supply and return lines, and draining, cleaning and cutting a hole in the side of the tank.

**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 other than inside the tank/piping?  If yes, indicate location on site map and describe the odor (strong, mild, etc.)	X		

**IX. SAMPLE INFORMATION**

A. SCDHEC Lab Certification Number \_\_\_\_\_

B.

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

\* = Depth Below the Surrounding Land Surface  
 \*\* See Section X

## **X. SAMPLING METHODOLOGY**

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

Samples were not taken. Aboveground storage tank 501 was located on an elevated concrete slab inside a concrete berm. No evidence of leakage was found.

## XI. RECEPTORS

Yes      No

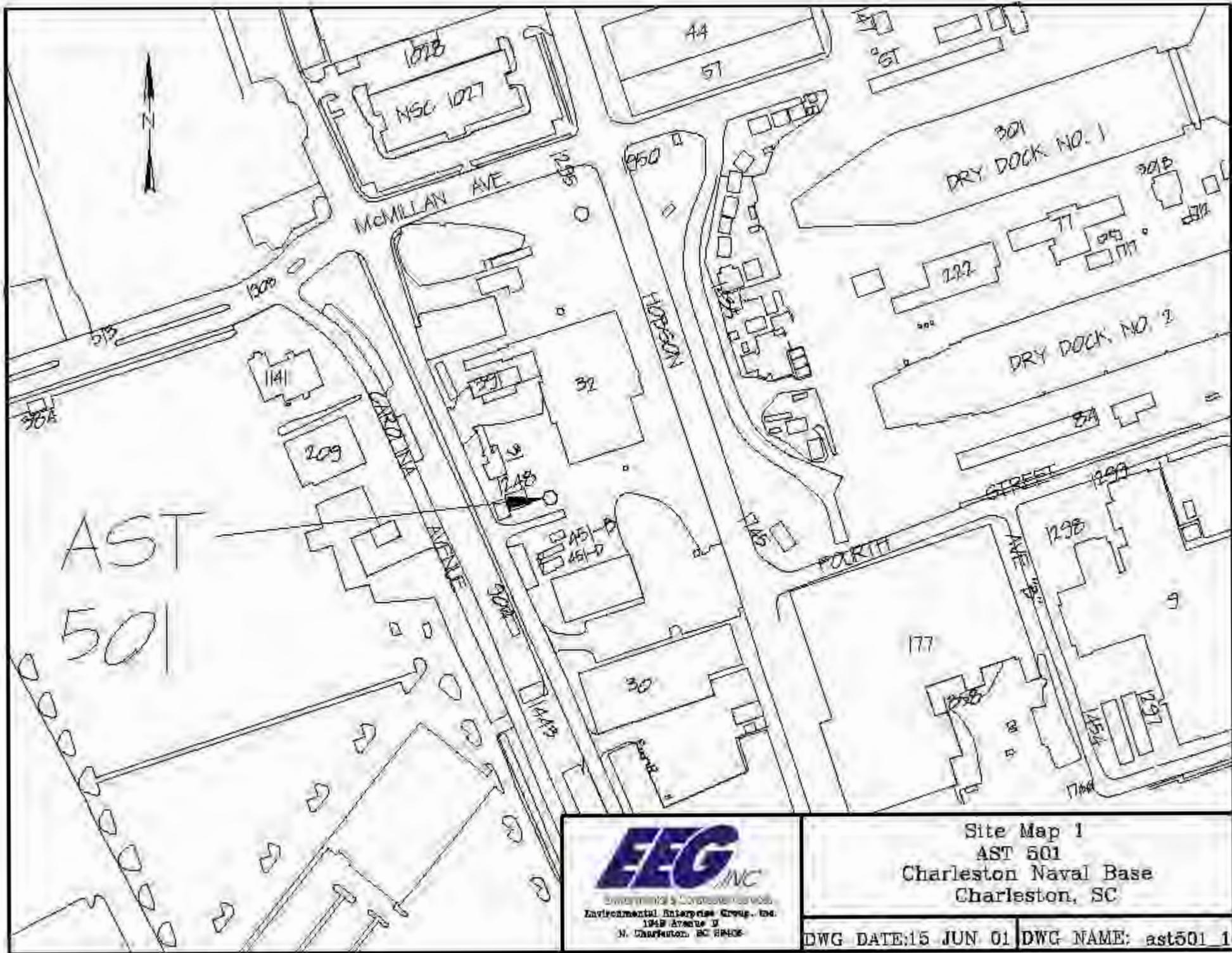
<p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the AST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p>		<p>X</p>
<p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the AST system?</p> <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 style="text-align: center;"><b>[Building 32 - basement]</b></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 style="text-align: center;"><b>[sewer &amp; water]</b></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 dispenser island locations, labeled sample locations, extent of excavation, and any other pertinent information.

Site Maps 1 and 2  
Photographs A thru J



**EEG** INC  
 Environmental & Construction Services  
 Environmental Enterprise Group, Inc.  
 1048 Avenue D  
 N. Charleston, SC 29405

Site Map 1  
 AST 501  
 Charleston Naval Base  
 Charleston, SC

DWG DATE: 15 JUN 01 | DWG NAME: ast501\_1

BLDG 92,  
WITH BASEMENT



FORMER  
AST 501  
24' DIA X 45' HIGH

SEWER LINE

WATER LINE

1248

TANK FOUNDATION  
ELEVATED 1' ABOVE  
THE BERM.

CONCRETE BERM

15' HIGH X 1' THK  
BERM WAS REMOVED.



GRAPHIC SCALE



Environmental Enterprise Group, Inc.  
1949 Avenue D  
N Charleston, SC 29405  
Ph 843.202.6066

Site Map 2  
AST 501  
Charleston Naval Base  
Charleston, SC

DWG DATE: 15 JUN 01

DWG NAME: ast501\_2



Photo A – AST 501 prior to commencing work. Note opening (arrow) already cut in the side and the partially removed berm.



Photo B – Existing opening expanded to allow pieces cut from upper sections to be lowered inside the tank and removed.



Photo C – Cut top section and lower ladder assembly (foreground) removed by crane.



Photo D – AST roof being cut into pie shaped sections.



Photo E – Half of the middle section removed.



Photo F – Last of the AST vertical sections being removed.



Photo G – AST bottom being removed from its elevated foundation.



Photo H – Berm removal in progress.



Photo I – Berm removal near completion.



Photo J – AST 501 and berm removal complete.

**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

N/A. Samples were not taken.

## **Attachment III**

Certificate of Disposal (tank)

# AST Certificate of Disposal

## CONTRACTOR

Environmental Enterprise Group, Inc.  
1949 North Hobson Ave.  
North Charleston, SC 29405  
843-202-8008

## AST ID & LOCATION

AST 501 UNREGULATED  
Charleston Naval Base Complex  
Building 32  
North Charleston, SC 29405

## TYPE OF AST

## SIZE

Single wall steel 114000 gallons (45'high x 21' dia)

## DISPOSAL LOCATION

## DATE OF DISPOSAL

from onsite  
Charleston Naval Base Complex  
Building 32  
North Charleston, SC 29405

05/29/2001

## CLEANING/DISPOSAL METHOD

The tank had been previously cleaned by others. Tank was disassembled onsite, cut into sections and recycled as scrap metal.

## DISPOSAL CERTIFICATION

I certify that the above information is accurate and the AST referenced herein has been disposed of as stated.

Signature:   
Name: Bobby Beckum

Date: 6-15-01