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CNC CHARLESTON  
5090.3a

ABOVEGROUND STORAGE TANK (AST) ASSESSMENT REPORT FOR BUILDING 32 CNC  
CHARLESTON SC  
07/14/1999  
NAVFAC SOUTHERN

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. #:	32, Unregulated		
Facility Name:	Charleston Naval Base Complex, Building 32		
Street Address:	North Hobson Avenue		
City:	North Charleston, 29405-2413	County:	Charleston

III. CLOSURE INFORMATION

Closure Started: 14 July 1999	Closure Completed: 30 August 1999
Number of ASTs Closed: 1	
N/A Consultant	SPORTENVDETHASN AST Removal Contractor

IV. CERTIFICATION (Read and Sign after completing entire submittal)

<small>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.</small>	
Henry Shepard II, P. E.	
Name (Type or Print)	
Signature	<i>Henry N. Shepard II</i> 3/10/2000

**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
Hydraulic oil				
300 gal.				
Unk				
Steel				
Unk				
N				
N				
R				
Y				
N				

- L. Method of disposal for any ASTs removed.

AST 32 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.

AST 32 hydraulic oil, sludge and waste water from cleaning were recycled.

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

The painted tank had random areas of light rust throughout due to deterioration of the paint. No pitting or holes were observed.

**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
None				
NA				
None				
NA				

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

AST 32 had no piping associated with the tank.

**VII. BRIEF SITE DESCRIPTION AND HISTORY**

Building 32 served as a Power House during the existence of the shipyard at Charleston Naval Complex. AST 32 was used to store hydraulic oil at one of the buildings (unnumbered) associated with supplying coal to the Building 32 boilers. The age of the tank is unknown. The tank was setting on asphalt.



## **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 32 was located on asphalt.

# XI. RECEPTORS

Yes      No

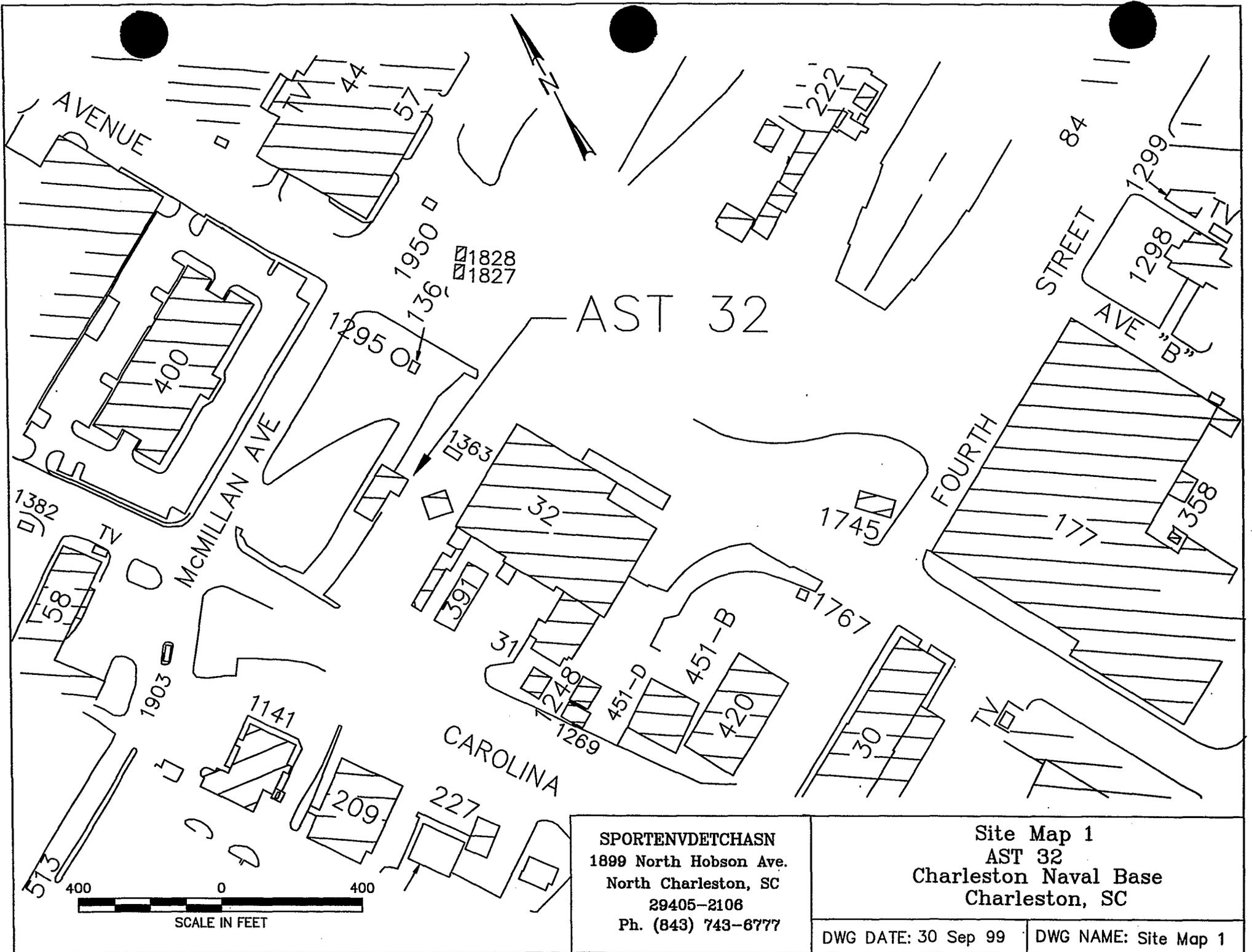
A.    Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the AST system?  If yes, indicate type of receptor, distance, and direction on site map.		X
B.    Are there any public, private, or irrigation water supply wells within 1000 feet of the AST system?  If yes, indicate type of well, distance, and direction on site map.		X
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.		X
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.		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 and 2  
Photographs A, B and C

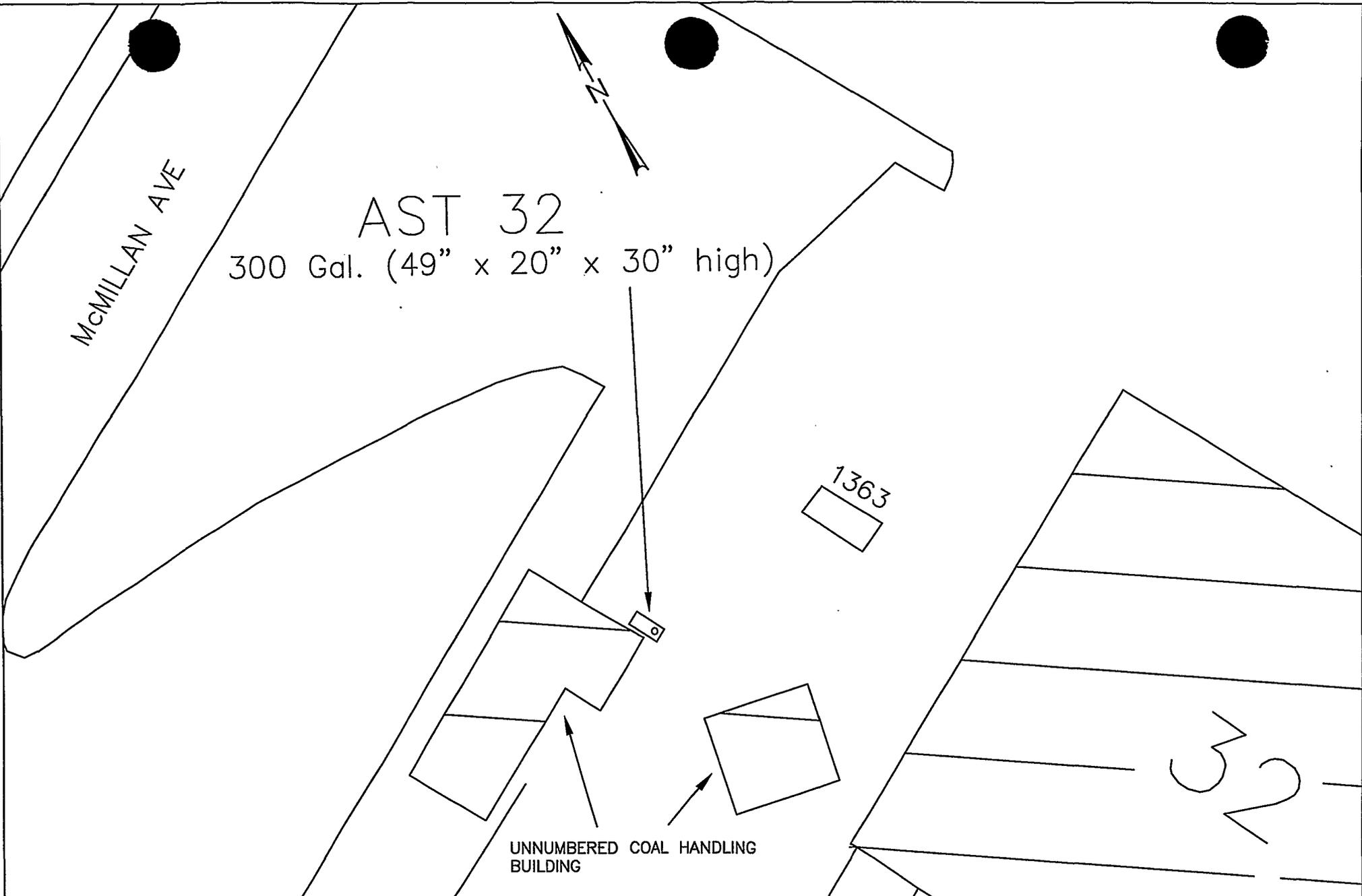


SPORTENVDETHASN  
 1899 North Hobson Ave.  
 North Charleston, SC  
 29405-2106  
 Ph. (843) 743-8777

Site Map 1  
 AST 32  
 Charleston Naval Base  
 Charleston, SC

DWG DATE: 30 Sep 99

DWG NAME: Site Map 1



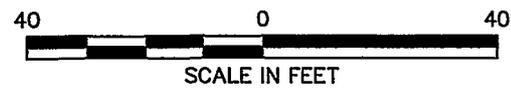
AST 32  
300 Gal. (49" x 20" x 30" high)

McMILLAN AVE

UNNUMBERED COAL HANDLING BUILDING

1363

32



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

Site Map 2  
AST 32  
Charleston Naval Base  
Charleston, SC

DWG DATE: 30 Sep 99 | DWG NAME: Site Map 1

**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.

# 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 32; Building 32, N. Hobson Ave., Charleston Naval Complex, N. Charleston, SC

## DISPOSAL LOCATION

Bldg. 1601 Tank Cleaning  
& Disposal Area  
Charleston Naval Complex

### TYPE OF TANK

### SIZE (GAL)

Hydraulic oil

300

## 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.

Charles C. Wannamaker, II | 9/30/99  
Charles C. Wannamaker (Date)