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CNC CHARLESTON
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ABOVE GROUND STORAGE TANK (AST) ASSESSMENT REPORT BUILDING 61 CNC
CHARLESTON SC
12/17/2002
ADVENT ENVIRONMENTAL INC

South Carolina Department of Health and Environmental Control (SCDHEC)
Aboveground Storage Tank (AST) Assessment Report

RECEIVED
 MAY 26 2003

Water Monitoring Assessment & Protection Division

Date Received
State Use Only

Submit Completed Form To:
 UST Program
 SCDHEC
 2600 Bull Street
 Columbia, South Carolina 29201
 Telephone (803) 896-6240

I. OWNERSHIP OF UST(S)

<u>Naval Facilities Engineering Command, Southern Division</u> Owner Name (Corporation, Individual, Public Agency, Other)		
<u>Post Office Box 190010</u> Mailing Address		
<u>North Charleston</u> City	<u>SC</u> State	<u>29419-9010</u> Zip Code
<u>843</u> Area Code	<u>820-7307</u> Telephone Number	<u>Gabriel Magwood</u> Contact Person

II. SITE IDENTIFICATION AND LOCATION

<u>Non-regulated AST</u> Permit I.D. #	
<u>Charleston Naval Complex,</u> Facility Name or Company Site Identifier	
<u>Building 61, Bainbridge Avenue</u> Street Address or State Road (as applicable)	
<u>Charleston</u> City	<u>Charleston</u> County

III. CLOSURE INFORMATION

<u>December 17, 2002</u> Closure Started	<u>December 18, 2002</u> Closure Completed	<u>1 AST</u> Number of USTs Closed
<u>ADVENT Environmental, Inc.</u> Consultant	<u>Environmental Enterprise Group</u> UST Removal Contractor	

IV. CERTIFICATION (To be signed by the UST owner/operator.)

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.

Amy E. Daniell
Name (Type or print)

Amy E. Daniell
Signature

V. AST INFORMATION

- A. Product.....
- B. Capacity.....
- C. Age.....
- D. Construction Material.....
- E. Month/Year of Last Use.....
- F. Depth (ft.) To Base of Tank.....
- G. Spill Prevention Equipment Y/N.....
- H. Overfill Prevention Equipment Y/N.....
- I. Method of Closure Removed/Filled.....
- J. Date Tanks Removed/Filled.....
- K. Visible Corrosion of Pitting Y/N.....
- L. Visible Holes Y/N.....

Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Diesel					
20,000	gallons				
approximately	20 years				
Steel					
2000					
Height	14 feet				
Y					
Y					
Closed	in-place				
N/A					
N					
N					

M. Method of disposal for any ASTs removed from the ground (attach disposal manifests)

Product and sludge were removed from the tank. The tank supply piping was cut and capped. The interior of the tank was cleaned and a large hole was cut in the tank to render it unusable.

N. Method of disposal for any liquid petroleum, sludges, or waste waters removed from the USTs (attach disposal manifests)

Product and sludge remaining in the tank were removed using a vacuum truck by Melanies Oil Service, Charleston, SC. Decontaminated water was removed using a vacuum truck and disposed of by Sani-Tech, Charleston, SC.

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each AST
No corrosion or pitting were observed.

VI. PIPING INFORMATION

- A. Construction Material.....
- B. Distance from UST to Dispenser.....
- C. Number of Dispensers.....
- D. Type of System P/S.....
- E. Was Piping Removed from the Ground? 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					
@ 150 feet					
2					
S					
N					
N					
N					
approximately 20 years					

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

N/A

VII. BRIEF SITE DESCRIPTION AND HISTORY

The 20,000-gallon Above Ground Storage Tank (AST) identified as AST FBM 61-3 was to store fuel oil for Building 61 at the Charleston Naval Complex. Previous assessment activities, including the installation monitoring wells, have been completed for this AST.

VIII. SITE CONDITIONS

	Yes	No	Unk
<p>A. Were any petroleum-stained or contaminated soils found in the AST excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate depth and location on the site map.</p>		N/A	
<p>B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate location on site map and describe the odor (strong, mild, etc.)</p>		N/A	
<p>C. Was water present in the AST excavation, soil borings, or trenches?</p> <p>If yes, how far below land surface (indicate location and depth)?</p>		N/A	
<p>D. Did contaminated soils remain stockpiled on site after closure?</p> <p>If yes, indicate the stockpile location on the site map.</p> <p>Name of DHEC representative authorizing soil removal:</p>		N/A	
<p>E. Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p>If yes, indicate location and thickness.</p>		N/A	

IX. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number N/A

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

X.

SAMPLING METHODOLOGY

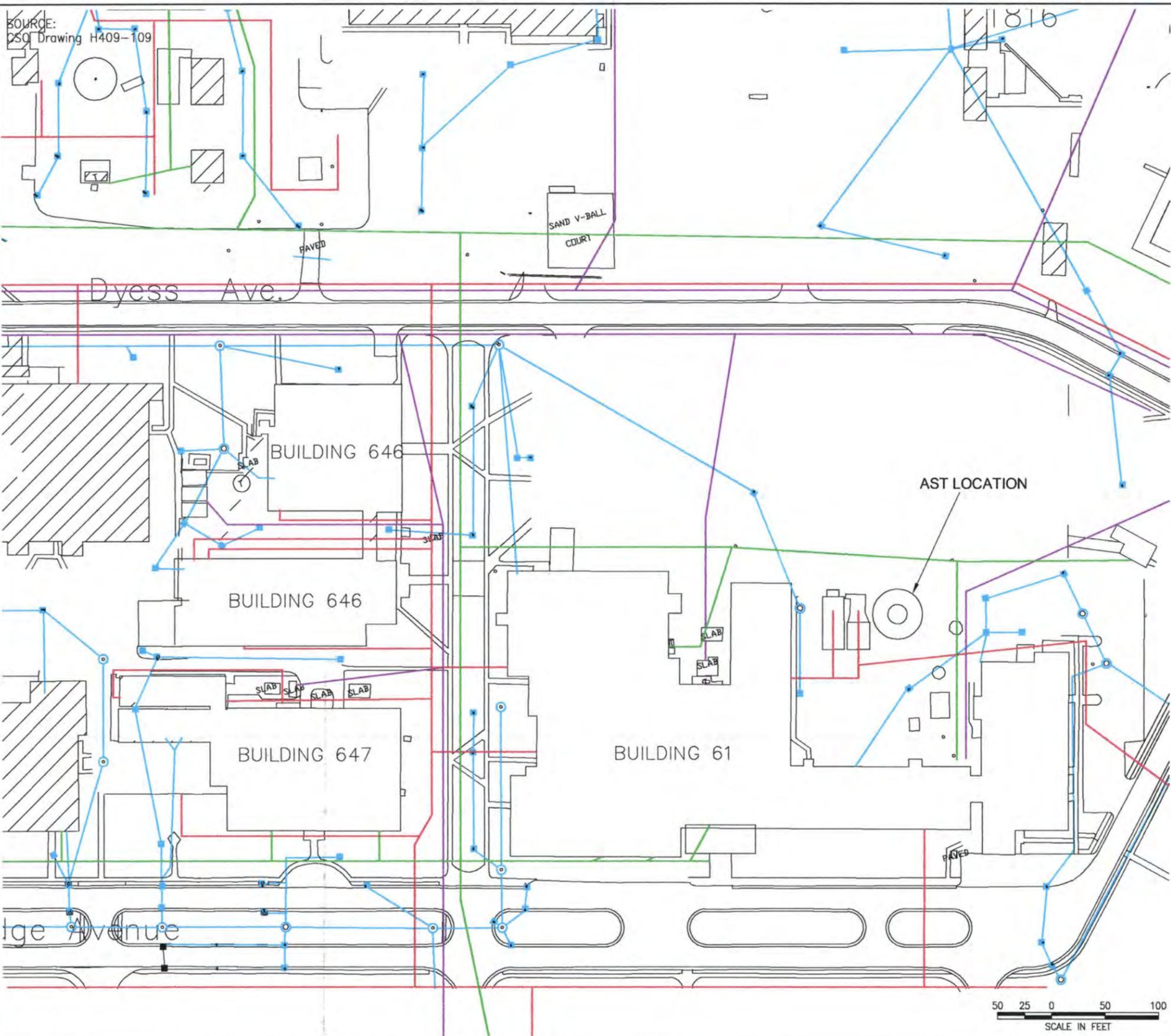
Provide a detailed description of the methods used to collect and store the samples. Also include the preservative used for each sample. Please use the space provided below.

N/A

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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<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>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the AST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST 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. <i>See Figure 2</i></p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SOURCE:
CSO Drawing H409-109



LEGEND

- UNDERGROUND WATER PIPE
- UNDERGROUND DRAINAGE PIPES
- UNDERGROUND ELECTRICAL LINES
- UNDERGROUND SEWAGE PIPE

REVISION	DESCRIPTION	DATE	APPROVED	MADE
REVISIONS				
	BY	DATE	BY	DATE
DESIGNED:	LNF	1/29/03	DRAWN:	DDP 1/30/03
CHECKED:			CADD FILE:	03-01-SM-02
APPROVED:				

PREPARED BY:



PREPARED FOR:



Naval Facilities
Engineering Command
Southern Division

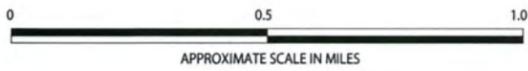
FBM 61.3 AST CLOSURE
UTILITY LOCATION MAP

SCALE	PROJECT NUMBER	FIGURE NUMBER	REVISION
AS SHOWN	72512	2	-



Acad/NAV/FAC-49521/03-01-SM-02.dwg, Layout1

SOURCE:
 U.S. Department of the Interior, U.S. Geological Survey
 Charleston Quadrangle 7.5-mile Series Topographic Map



REVISION	DESCRIPTION	DATE	APPROVED	MADE
----------	-------------	------	----------	------

REVISIONS

	BY	DATE	BY	DATE
DESIGNED:	SAR	01/15/03	U.S.G.S.	UNK
CHECKED:			CADD FILE:	72512
APPROVED:				1/15/03

PREPARED BY:  ADVENT

PREPARED FOR:  NAVAL FACILITIES ENGINEERING COMMAND SOUTHERN DIVISION

FBM 61-3 AST CLOSURE
 SITE LOCATION MAP

SCALE	PROJECT NUMBER	FIGURE	REVISION
1" = 2,000'	72512	1	-

MANIFEST



**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Doc. No. 2. Page 1 of 1

3. Generator's Name and Mailing Address

EEG
1949 Aved
North Charleston SC 29405

4. Generator's Phone ()

5. Transporter 1 Company Name

Sand-Tech Env

6. US EPA ID Number

SC.R0.0000.53103

A. Transporter's Phone

843-744-0409

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

D W Alperman
435 old Mt Holly Rd
Goose Creek SC 29445

10. US EPA ID Number

C. Facility's Phone

843-572-1100

11. Waste Shipping Name and Description

a. Spec oil / water.

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

00.000 2400

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

X C WANNAMAKER, II

Signature

C Wannamaker II

Month Day Year

12 18 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

W. L. Smith

Signature

W. L. Smith

Month Day Year

12 18 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

D. J. King

Signature

D. J. King

Month Day Year

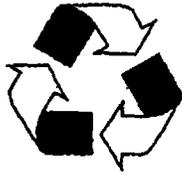
12 18 02

GENERATOR

TRANSPORTER

FACILITY

ORIGINAL - RETURN TO GENERATOR



MELANIE'S

Oil Services
EPA# SCR000003541

Non-Hazardous
Waste Manifest

Manifest # 2070

PO Box 765
Summerville, SC 29484-0765

Phone (843) 722-0204
Fax (843) 821-8057

Waste Shipping Name and Description: Border Patrol Tank

Total Quantity 6000

a. Waste Petroleum Oil, N.O.S. ✓ Gallons

b. Oily Water _____ Gallons

c. Waste Antifreeze _____ Gallons

d. Waste Filters _____ Containers

Transporter Acknowledgement of Receipt of Materials.

Printed / Typed Name: Melanie's Environmental Recovery Systems

Signature MERS

TSDF Acknowledgement of Receipt of Materials. EPA# _____

Company Name Coastal Refining Address SAVANNAH, GA 31405

Waste Collected From: Company's Name EEG, Inc.

Address Charleston S.C.

GENERATOR CERTIFICATION: Generator warrants that this liquid material is from automotive or industrial use and contains no known chemicals or solvents. It is understood that samples will be analyzed. Should test results show harmful chemicals, EPA will be notified and generator assumes responsibility for any corrective measures.

Printed / Typed Name C. CUMMINGS, II Month/Day/Year _____

Signature C. Cummings II Date 12/17/02

We appreciate your business. Thank you!

PHOTOGRAPHS





Photograph 1: Product/sludge removal, AST FBM 61-3.



Photograph 2: AST after removal of product/sludge.



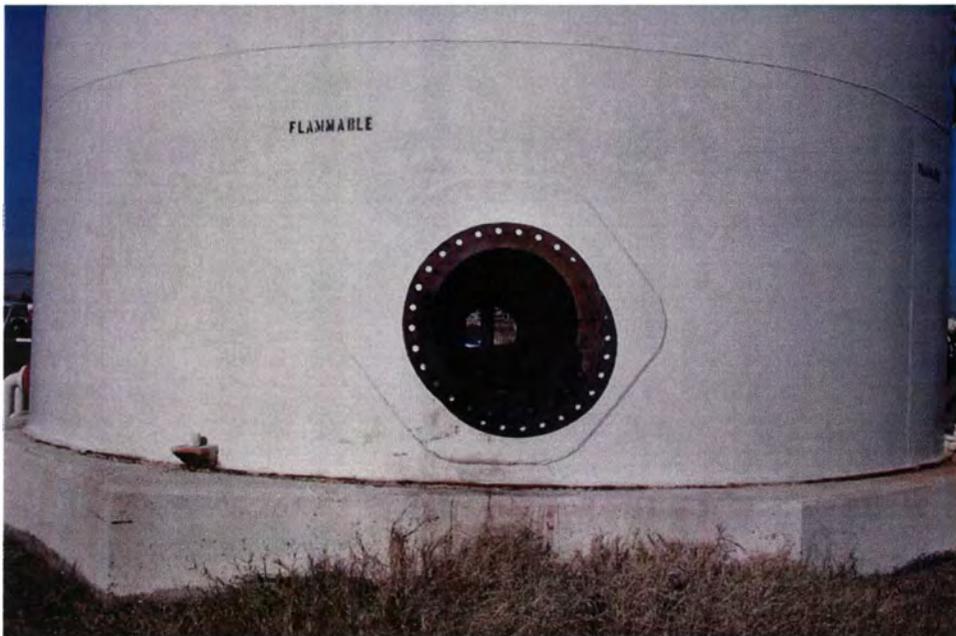
Photograph 3: Product and return lines after cutting.



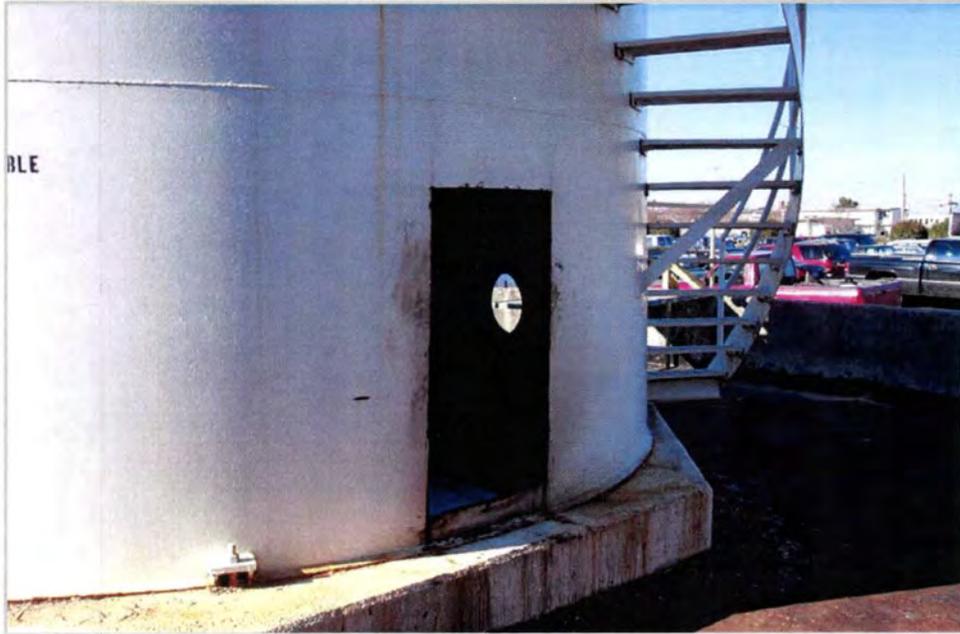
Photograph 4: Product and return lines after cutting.



Photograph 5: Preparing to clean interior of AST.



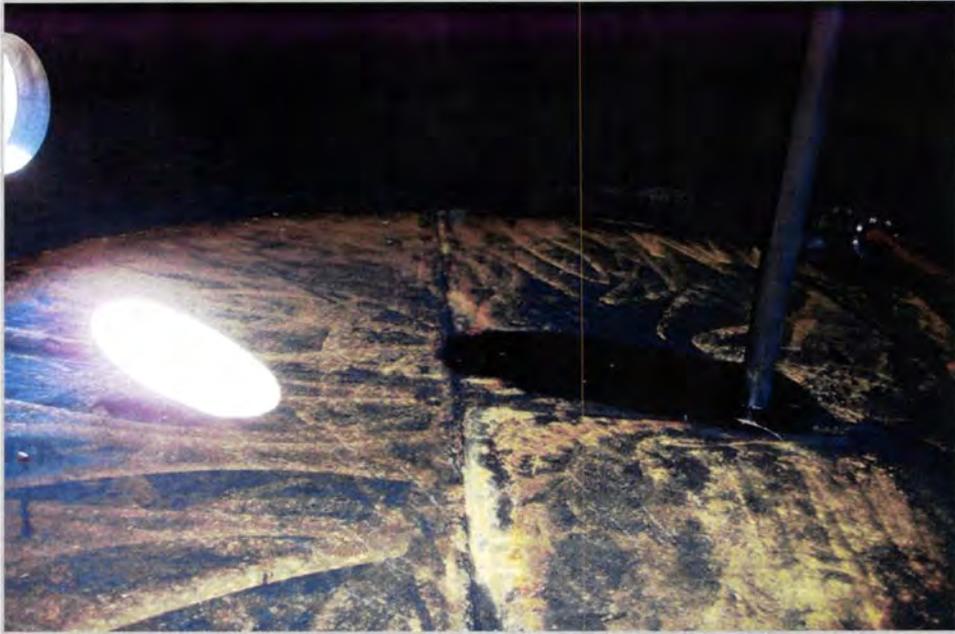
Photograph 6: North side of AST after closure and removal of manway.



Photograph 7: Access way/decommissioning cut shown of AST after closure.



Photograph 8: Interior of tank after closure and cleaning.



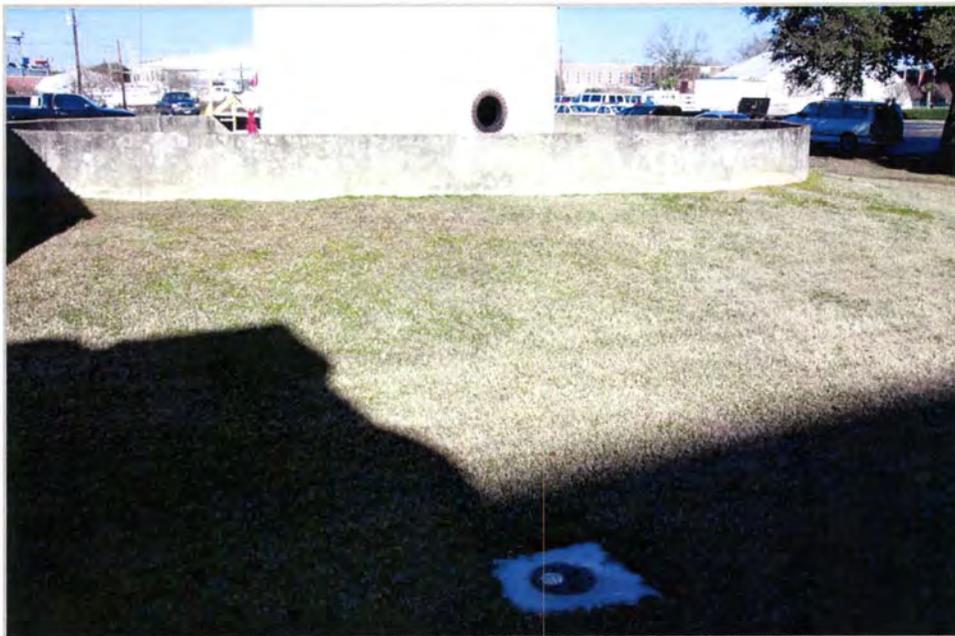
Photograph 9: Interior of tank after closure and cleaning.



Photograph 10: East side exterior of tank after closure. Note the two monitoring wells in foreground.



Photograph 11: North side exterior after closure.



Photograph 12: Exterior of AST after closure. Note monitoring well in foreground.



Photograph 13: Exterior of AST after closure. Note monitoring well in foreground.

D H E C



PROMOTE PROTECT PROSPER

5 June 2003

2600 Bull Street
Columbia, SC 29201-1708

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Secretary

Carl L. Brazell

Louisiana W. Wright

L. Michael Blackmon

Lawrence R. Chewning, Jr., DMD

Commander
NAVFACENGCOM Southern Division
Attn: Code ES24 (Gabriel Magwood)
P.O. Box 190010
North Charleston, SC 29419-9010

Re: CNB – BLDG 61 (AST FBM 61-3)
Site Identification # 02321
AST Closure Report received 26 May 2003
Charleston County

Dear Mr. Magwood:

The Department has reviewed the referenced closure report detailing efforts to clean AST FBM 61-3 and render the tank unusable. Since AST FBM 61-3 falls within the boundaries of SWMU 17, no soil or groundwater sampling was conducted as part of closure activities. Because this site falls within the boundaries of SWMU 17, all investigative and/or remedial actions will be under the direction of the Bureau of Land and Waste Management.

Should you have any questions concerning pending activities at this site, please contact Jerry Stamps at (803) 896-4285 (stampsjm@dhec.sc.gov). Should you have any questions concerning this correspondence, please contact me at (803) 898-3553 (office phone), (803) 898-2893(fax) or by e-mail bishopma@dhec.sc.gov.

Sincerely,

Michael A. Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

cc: Trident District EQC
Jerry Stamps, BLWM
Brian Crawford, 1849 Ave. F, N. Charleston SC, 29405
Technical File

D H E C



PROMOTE PROTECT PROSPER

5 June 2003

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Sincerely,

Michael A. Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

cc: Trident District EQC
Jerry Stamps, BLWM
Brian Crawford, 1849 Ave. F, N. Charleston SC, 29405
Technical File