

N60200.AR.001810  
NAS CECIL FIELD, FL  
5090.3a

SOURCE REMOVAL REPORT FOR UNDERGROUND STORAGE TANK 623 REVISION 1  
NAS CECIL FIELD FL  
4/1/1999  
CH2MHILL CONSTRUCTORS INC

**SOURCE REMOVAL REPORT**

Revision No.: 01

**UST 623**

**NAVAL AIR STATION CECIL FIELD  
JACKSONVILLE, FLORIDA**

Unit Identification Code: N60200

Contract Task Order No. 0002  
Remedial Action Contract No. N62467-98-D-0995,

Prepared by:

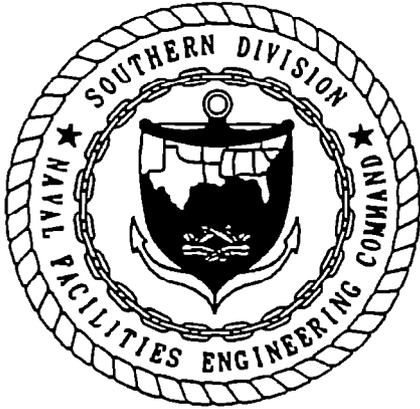
CH2M HILL Constructors, Inc.  
115 Perimeter Center Place, N.E., Suite 700  
Atlanta, Georgia 30346

Prepared for:

Department of the Navy, Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
North Charleston, South Carolina 29418

Bryan Kizer, Engineer-in-Charge

**April 1999**



**CERTIFICATION OF TECHNICAL  
DATA CONFORMITY (APRIL 1999)**

The contractor, CH2M HILL Constructors, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-98-D-0995, Contract Task Order (CTO) No. 0002 are complete and accurate and comply with all requirements of this contract.

DATE: April 6, 1999

NAME AND TITLE OF CERTIFYING OFFICIAL:

*Norman N. Hatch, Jr.*

Norman N. Hatch, Jr., P.E.

Contract Task Order Manager

NAME AND TITLE OF CERTIFYING OFFICIAL:

*Charles A. Radford*

Charles A. Radford

Project Technical Lead

DISTRIBUTION LIST

	<u>Copies</u>
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U.S. Environmental Protection Agency	1
Florida Department of Environmental Protection	1
CH2M HILL Constructors, Inc.	4
CH2M HILL	2
Harding Lawson Associates	1

JUN 13 1997

MEMORANDUM

From: Director, Supervisor of Shipbuilding, Conversion and Repair, USN, Portsmouth, VA, Environmental Detachment Charleston, SC (SPORTENVDETCHASN)

To: Southern Division Naval Facilities Engineering Command  
(Code 1842 - Brian Kizer)

Subj: UST ASSESSMENT REPORT FOR UST 623

Ref: (a) NAS Cecil Field Closure Assessment Guidance Format Document For  
Petroleum Storage Tank Removals, dated March 1997

(b) FDEP Pollutant Storage Tank Closure Assessment Requirements

(c) FDEP Quality Assurance Standard Operating Procedures for Petroleum  
Storage System Closure Assessments.

Encl: (1) UST Assessment Report for UST 623

1. Enclosure (1) is the UST Assessment Report for 623. The UST was an unregulated, 3,000 gallon tank which supplied fuel oil to building 623 on Naval Air Station, Cecil Field. The removal was completed 17 April 1997. This report documents the tank removal and serves as SPORTENVDETCHASN's work completion report for all work associated with the removal of the subject tank.

2. The UST Assessment Report (AR) contains the information required by reference (a) and based on work completed in accordance with References (b) and (c).

  
E. R. Dearhart

SPORTENVDETHASN  
SUPSHIP PORTSMOUTH ENVIRONMENTAL DETACHMENT CHARLESTON  
1899 NORTH HOBSON AVENUE  
NORTH CHARLESTON, S.C. 29405-2106  
**Underground Storage Tank (UST) Assessment Report**

**I OWNERSHIP OF UST(S)**

<u>Agency/Owner: Naval Air Station, Cecil Field</u> <u>DER Facility No. 168507293</u>			
<u>Mailing Address: N.P.W.C., Box 101, Cecil Field Zone, NAS Cecil Field.</u>			
<u>City: Jacksonville</u>	<u>State: FL</u>	<u>Zip Code: 32215-0101</u>	
<u>Area Code: 904</u>	<u>Telephone Number: 778-5620</u>	<u>Contact Person: Lloyd Cruz</u>	

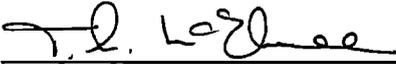
**II SITE IDENTIFICATION AND LOCATION**

<u>Site I.D. #: BUILDING 623</u>	
<u>Facility Name: Naval Air Station Cecil Field</u>	
<u>Street Address: Building 623, South Perimeter Road, Yellow Water Weapons Area</u>	
<u>City: Jacksonville, 32215-0101</u>	<u>County: Duval</u>

**III CLOSURE INFORMATION**

<u>Closure Started: 4/16/97</u>	<u>Closure Completed: 4/17/97</u>
<u>Number of USTs Closed: 1</u>	
<u>N/A</u> Consultant	<u>SPORTENVDETHASN</u> UST 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>	
<u>T.L. McElwee - Project Engineer</u>	
Name (Type or Print)	
<u></u>	
Signature	

**V. UST 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. Visible Corrosion or Pitting Y/N.....
- K. Visible Holes Y/N.....

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Fuel Oil						
3,000gal						
unk						
steel						
unk						
7'						
N						
N						
R						
Y						
Y						

- L. Method of disposal for any USTs removed from the ground (attach disposal manifests)

UST 623 was removed, drained, cut open at both ends, and cleaned with a steam cleaner. It was then cut up for recycling as scrap metal and delivered to the Cecil Field Recycling Center. (See Attachment III.)

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

Prior to tank removal the residual fuel was pumped out of the tank by contractor. The disposal manifest is included in Attachment III. The oily rinse water was recycled through the oil/water separator at the Transportation Office, Building 80, NAS Cecil Field.

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

The tank had many areas of corrosion and pitting. Three holes were discovered on the west end of the tank when cleaning and cutting knocked-off some surface rust, exposing them.

## 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
Steel & copper			
18' see note 1			
1 see note 1			
S			
Y			
Y			
Y			
Unk.			

Note 1: The tank provided fuel oil to Building 623.

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

The 5/8" copper supply and return piping was in good condition and had no holes or pitting. The 1 1/2" steel vent line was pitted, corroded, and had holes in several locations. The corrosion severed the line in half at ground level, where the pipe exited the ground adjacent to the building.

## VII. BRIEF SITE DESCRIPTION AND HISTORY

Building 623 is a boiler house located on South Perimeter Road inside the high security zone of the Yellow Water Weapons Area. A 3,000 gallon fuel oil UST was located on the north side of the building and was used to provide fuel oil to the boiler. The tank measured 5'4" X 18' long. This out of service tank was removed due to base closure.

## VIII. SITE CONDITIONS

Yes No Unk

		Yes	No	Unk
A.	<p>Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate depth and location on the site map.</p> <p><b>[UST excavation]</b></p>	X		
B.	<p>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> <p><b>[Throughout UST excavation, moderate]</b></p>	X		
C.	<p>Was water present in the UST excavation, soil borings, or trenches?</p> <p>If yes, how far below land surface (indicate location and depth)?</p> <p>_____</p>		X	
D.	<p>Did contaminated soils remain stockpiled on site after closure?</p> <p>If yes, indicate the stockpile location on the site map.</p> <p>_____</p>			*X
E.	<p>Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p>If yes, indicate location and thickness on the site map.</p>			N/A

\*Per agreement with SouthDiv, Cecil Field Environmental, and Bechtel, all soil from the excavation was transported to Site 3 on base and placed on two layers of poly and covered by another double layer of poly and held down by sandbags. Soil is being stockpiled at Site 3 for future treatment/incineration. Excavation was backfilled with clean fill from Powerline Sand Inc., 8442 W. Beaver St., Jacksonville, Florida, 32220.

## **IX. SAMPLING METHODOLOGY**

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

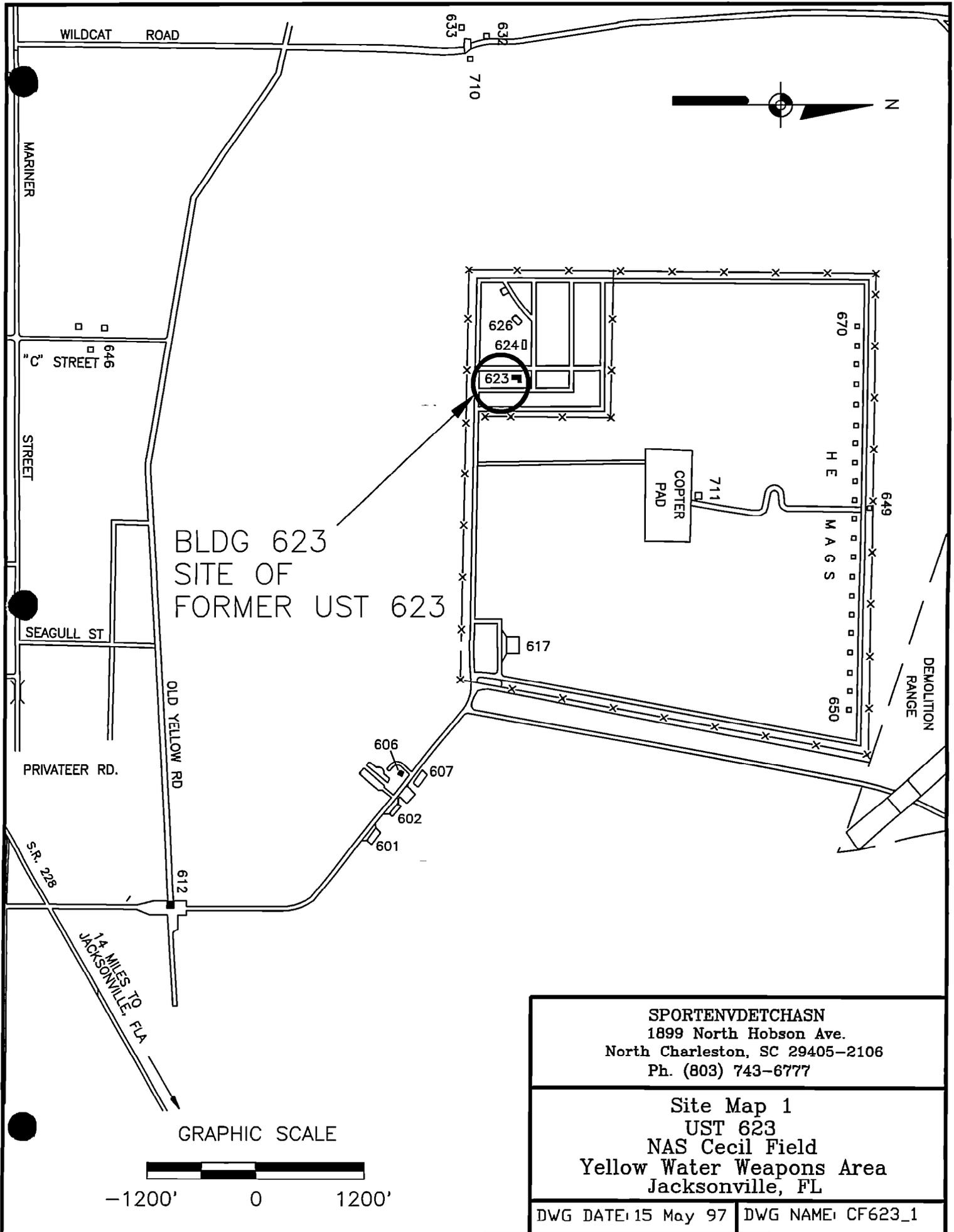
After the removal of UST 623, an Organic Vapor Analyzer-Flame Ionization Detector (PE PHOTOVAC MicroFid, Serial Number CZEF215) was used to screen the soils for petroleum hydrocarbon vapors. OVA headspace samples were taken in each corner and in the center of the excavation at 1' and every two feet thereafter until reaching the concrete ballast pad. In this excavation, the top of the concrete ballast pad was at 7'. UST piping soil samples were taken two feet under the piping at the mechanical connections or at the center of the piping run. OVA headspace soil samples were extracted using the backhoe bucket and sampled from the middle of the bucket. Sampling was performed in accordance with the FDEP Pollutant Storage Tank Closure Assessment Requirements and the FDEP Quality Assurance Standard Operating Procedures for Petroleum Storage System Closure Assessments.

Ground water samples were collected and analytical results provided by ABB Environmental, POC Jeff Tarr (see Attachment II).

**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, 2, 3, and 4  
Photographs 1 and 2

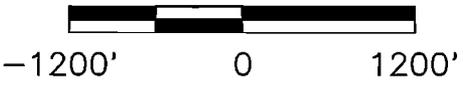


BLDG 623  
 SITE OF  
 FORMER UST 623

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

Site Map 1  
 UST 623  
 NAS Cecil Field  
 Yellow Water Weapons Area  
 Jacksonville, FL

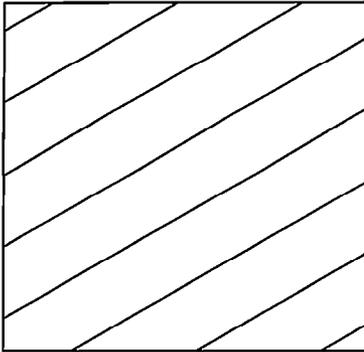
DWG DATE: 15 May 97 | DWG NAME: CF623\_1



S.R. 228  
 14 MILES TO  
 JACKSONVILLE, FL



BLDG 623



MONITORING WELL



FORMER UST 623

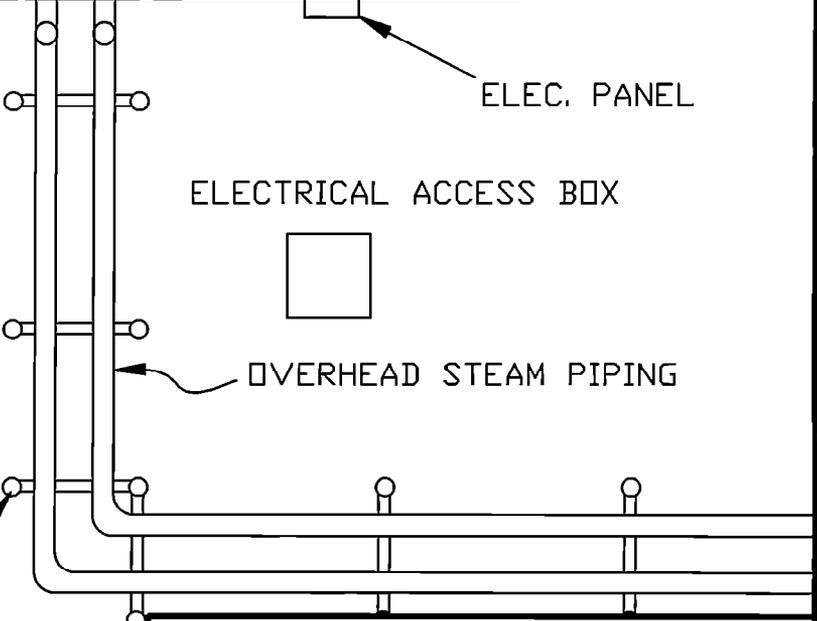
PIPING SUPPORT COLUMNS

ELEC. PANEL

ELECTRICAL ACCESS BOX



OVERHEAD STEAM PIPING

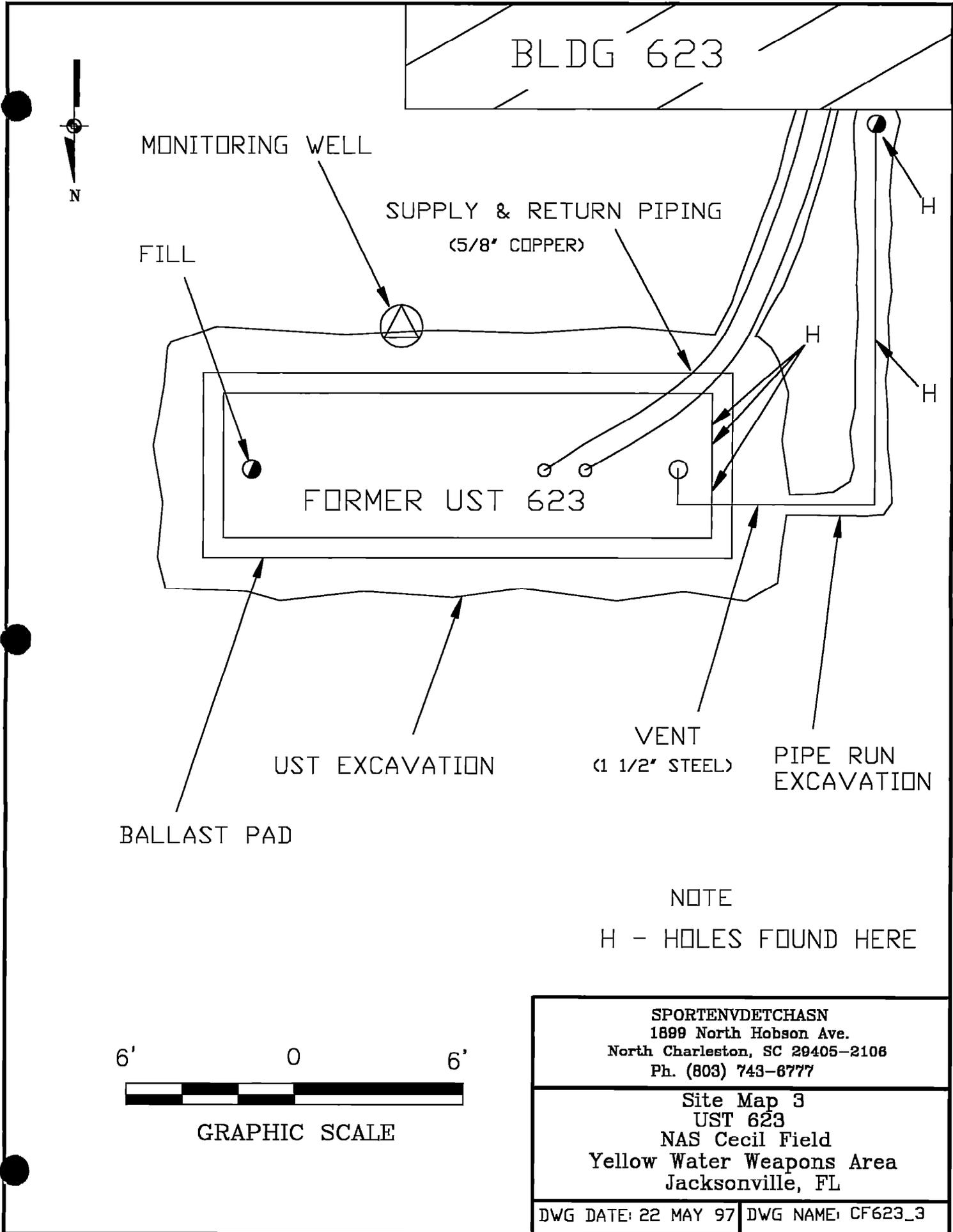


GRAPHIC SCALE

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

Site Map 2  
UST 623  
NAS Cecil Field  
Yellow Water Weapons Area  
Jacksonville, FL

DWG DATE: 22 MAY 97 | DWG NAME: CF623\_2



BLDG 623



MONITORING WELL

SUPPLY & RETURN PIPING  
(5/8" COPPER)

FILL

FORMER UST 623

UST EXCAVATION

VENT  
(1 1/2" STEEL)

PIPE RUN EXCAVATION

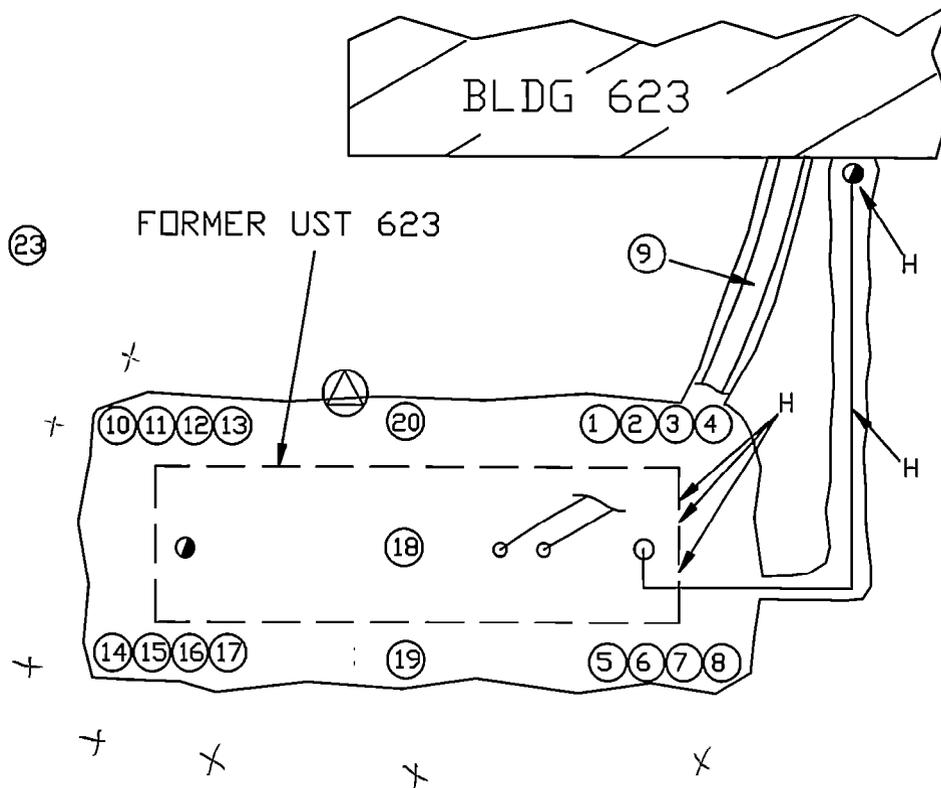
BALLAST PAD

NOTE  
H - HOLES FOUND HERE



GRAPHIC SCALE

SPORTENVDETHASN 1899 North Hobson Ave. North Charleston, SC 29405-2108 Ph. (803) 743-6777	
Site Map 3 UST 623 NAS Cecil Field Yellow Water Weapons Area Jacksonville, FL	
DWG DATE: 22 MAY 97	DWG NAME: CF623_3



SS #	TIME	DEPTH	READING(ppm)
SS-1	4/17/97 1401	1'	1.1
SS-2	1402	3'	113
SS-3	1403	5'	2487
SS-4	1404	7'	1956
SS-5	1405	1'	32
SS-6	1406	3'	282
SS-7	1407	5'	189
SS-8	1408	7'	622
SS-9	1409	3'	13.6
SS-10	1410	1'	45.4
SS-11	1411	3'	960
SS-12	1412	5'	703
SS-13	1413	7'	1772
SS-14	1414	1'	93
SS-15	1415	3'	217
SS-16	1416	5'	416
SS-17	1417	7'	>5000
SS-18	1418	7'	802
SS-19	1419	4'	293
SS-20	1420	4'	1064
SS-21	1422	3'	1731
SS-22	1424	3'	100
SS-23	1426	3'	62.6
SS-24	1507	3'	20.2
SS-25	1513	3'	1142

KEY

- H - HOLES FOUND HERE
- (22) - SOIL SAMPLE (SS-#)
- (triangle with circle) - MONITORING WELL LOCATION

NOTE:

APPROX. 20 CU YARDS OF CONTAMINATED SOIL WAS REMOVED AND TRANSFERED TO SITE 3 AT NAS CECIL FIELD.



GRAPHIC SCALE

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

Site Map 4  
UST 623  
NAS Cecil Field  
Yellow Water Weapons Area  
Jacksonville, FL

DWG DATE: 23 MAY 97

DWG NAME: 23\_4

## UST 623 at NAS Cecil Field



Photo 1: UST 623 after removal from the excavation



Photo 2: UST 623 during cutting and cleaning. Arrows point to holes discovered during cleaning.

**ANALYTICAL RESULTS**

You must submit the laboratory report and chain-of-custody form for the samples. These samples must be analyzed by a Florida certified laboratory.

Analytical Results  
provided by:

ABB Environmental Services, Inc.  
1536 Kingsley Avenue  
Suite 127  
Orange Park, FL 32073

Ph. 904.269.7012  
Fax 904.264.5632

Analytical results are of groundwater sample B7C200162-007, taken on 3/19/97 from monitoring well adjacent to UST 623. See Site Map 2.



ABB ENVIRONMENTAL SERVICES

Client Sample ID: CEF-623-16

GC Volatiles

Lot-Sample #...: B7C200162-007    Work Order #...: C8N7E102    Matrix.....: WATER  
 Date Sampled...: 03/19/97    Date Received...: 03/20/97  
 Prep Date.....: 03/30/97    Analysis Date...: 03/30/97  
 Prep Batch #...: 7090220

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromodichloromethane	ND	1.0	ug/L	CFR136A 601
Bromoform	ND	1.0	ug/L	CFR136A 601
Bromomethane	ND	1.0	ug/L	CFR136A 601
Carbon tetrachloride	ND	1.0	ug/L	CFR136A 601
Chlorobenzene	ND	1.0	ug/L	CFR136A 601
Chloroethane	ND	1.0	ug/L	CFR136A 601
2-Chloroethyl vinyl ether	ND	--	ug/L	CFR136A 601
Chloroform	ND	1.0	ug/L	CFR136A 601
Chloromethane	ND	1.0	ug/L	CFR136A 601
Dibromochloromethane	ND	1.0	ug/L	CFR136A 601
1,2-Dichlorobenzene	ND	1.0	ug/L	CFR136A 601
1,3-Dichlorobenzene	ND	1.0	ug/L	CFR136A 601
1,4-Dichlorobenzene	ND	1.0	ug/L	CFR136A 601
Dichlorodifluoromethane	ND	1.0	ug/L	CFR136A 601
1,1-Dichloroethane	ND	1.0	ug/L	CFR136A 601
1,2-Dichloroethane	ND	1.0	ug/L	CFR136A 601
1,1-Dichloroethene	ND	1.0	ug/L	CFR136A 601
trans-1,2-Dichloroethene	ND	1.0	ug/L	CFR136A 601
1,2-Dichloropropane	ND	1.0	ug/L	CFR136A 601
cis-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 601
trans-1,3-Dichloropropene	ND	1.0	ug/L	CFR136A 601
Methylene chloride	ND	1.0	ug/L	CFR136A 601
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	CFR136A 601
Tetrachloroethene	ND	1.0	ug/L	CFR136A 601
1,1,1-Trichloroethane	ND	1.0	ug/L	CFR136A 601
1,1,2-Trichloroethane	ND	1.0	ug/L	CFR136A 601
Trichloroethene	ND	1.0	ug/L	CFR136A 601
Trichlorofluoromethane	ND	1.0	ug/L	CFR136A 601
Vinyl chloride	ND	1.0	ug/L	CFR136A 601

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	103	(70 - 130)

NOTE(S) :

2-Chloroethyl vinyl ether is susceptible to degradation in acid conditions. No quantitation is available.



ABB ENVIRONMENTAL SERVICES

Client Sample ID: CSF-623-18

GC Volatiles

Lot-Sample #...: B7C200162-007    Work Order #...: C8N7E103    Matrix.....: WATER  
 Date Sampled...: 03/19/97    Date Received...: 03/20/97  
 Prep Date.....: 03/30/97    Analysis Date...: 03/30/97  
 Prep Batch #...: 7090221

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Methyl tert-butyl ether	6.7	1.0	ug/L	CFR136A 602
Benzene	18	1.0	ug/L	CFR136A 602
Ethylbenzene	30	1.0	ug/L	CFR136A 602
Toluene	ND	1.0	ug/L	CFR136A 602
Chlorobenzene	ND	1.0	ug/L	CFR136A 602
1,2-Dichlorobenzene	ND	1.0	ug/L	CFR136A 602
1,3-Dichlorobenzene	ND	1.0	ug/L	CFR136A 602
1,4-Dichlorobenzene	ND	1.0	ug/L	CFR136A 602
Xylenes (total)	12	1.0	ug/L	CFR136A 602
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
4-Bromofluorobenzene	103	(70 - 130)		



ABB ENVIRONMENTAL SERVICES

Client Sample ID: CEP-623-1S

HPLC

Lot-Sample #...: B7C200162-007  
 Date Sampled...: 03/19/97  
 Prep Date...: 03/24/97  
 Prep Batch #...: 7083167

Work Order #...: C8N7E105  
 Date Received...: 03/20/97  
 Analysis Date...: 03/28/97

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Acenaphthene	2.1	2.0	ug/L	CFR136A 610
Acenaphthylene	ND	2.0	ug/L	CFR136A 610
Anthracene	ND	2.0	ug/L	CFR136A 610
Benzo (a) anthracene	ND	0.10	ug/L	CFR136A 610
Benzo (a) pyrene	ND	0.10	ug/L	CFR136A 610
Benzo (b) fluoranthene	ND	0.10	ug/L	CFR136A 610
Benzo (ghi) perylene	ND	0.20	ug/L	CFR136A 610
Benzo (k) fluoranthene	ND	0.15	ug/L	CFR136A 610
Chrysene	ND	0.10	ug/L	CFR136A 610
Dibenz (a, h) anthracene	ND	0.20	ug/L	CFR136A 610
Fluoranthene	ND	0.20	ug/L	CFR136A 610
Fluorene	4.0	2.0	ug/L	CFR136A 610
Indeno (1, 2, 3-cd) pyrene	ND	0.10	ug/L	CFR136A 610
1-Methylnaphthalene	16	2.0	ug/L	CFR136A 610
2-Methylnaphthalene	10	2.0	ug/L	CFR136A 610
Naphthalene	3.0	2.0	ug/L	CFR136A 610
Phenanthrene	ND	2.0	ug/L	CFR136A 610
Pyrene	ND	0.20	ug/L	CFR136A 610
	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
<u>SURROGATE</u>				
Carbazole	93	(30 - 130)		



ABB ENVIRONMENTAL SERVICES

Client Sample ID: CHF-623-19

GC Semivolatiles

Lot-Sample #...: B7C200162-007    Work Order #...: C8N7E101    Matrix.....: WATER  
 Date Sampled...: 03/19/97    Date Received...: 03/20/97  
 Prep Date.....: 03/21/97    Analysis Date...: 03/24/97  
 Prep Batch #...: 7083112

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Ethylene dibromide	ND	0.020	ug/L	EPA-DW 504
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
1,1,1,2-Tetrachloroethane	110	(72 - 134)		



ABB ENVIRONMENTAL SERVICES

Client Sample ID: CEF-623-15

GC Semivolatiles

Lot-Sample #....: B7C200162-007  
 Date Sampled...: 03/19/97  
 Prep Date.....: 03/25/97  
 Prep Batch #....: 7084153

Work Order #....: CSN7E106  
 Date Received...: 03/20/97  
 Analysis Date...: 03/31/97

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (C8-C40)	1.1	0.50	mg/L	FL-DEP FL-PRO
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
o-Terphenyl	120	(33 - 162)		
Nonatriacontane	77	(10 - 109)		



ABB ENVIRONMENTAL SERVICES

Client Sample ID: CEF-623-15

TOTAL Metals

Lot-Sample #...: B7C200162-007

Matrix.....: WATER

Date Sampled...: 03/19/97

Date Received...: 03/20/97

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 7084180						
Lead	ND	5.0	ug/L	MCAWW 239.2	03/25/97	CBN7E104



ABB ENVIRONMENTAL SERVICES

Client Sample ID: CEF-623-15

DISSOLVED Metals

Lot-Sample #...: B7C200162-008

Matrix.....: WATER

Date Sampled...: 03/19/97

Date Received...: 03/20/97

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>		<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #...: 7084180						
Lead	ND	5.0	ug/L	MCAWW 239.2	03/25/97	CBN7F101

**Attachment III**

Certificate of Disposal (tank)  
Disposal Manifest (fuel oil)

# UST 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

Building 623, NAS Cecil Field, South Perimeter Rd.,  
Yellow Water Weapons Area, Jacksonville, FL 32215-0101

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## DISPOSAL LOCATION

NAS Cecil Field  
Recycling Center, Building 805  
Jacksonville, FL, 32215-0101

### TYPE OF TANK

Fuel oil

### SIZE (GAL)

3,000 gal.

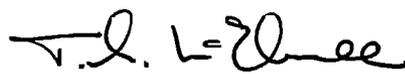
---

## 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.



T. L. McElwee

/ 6-5-97

(Date)



Georgia Petroleum, Inc.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL 5170022474

Manifest Document No.

2. Page 1 of 1 4-14-97

Generator's Name and Mailing Address: NAVAL AIR STATION: CECIL FIELD, SCE Envlz NO 4943 JACKSONVILLE, FLA 32215-0106

4. Generator's Phone (904) 778-5620

5. Transporter 1 Company Name: GEORGIA PETROLEUM 6. US EPA ID Number: GAD581222433

Credit

7. Transporter 2 Company Name 8. US EPA ID Number

Paid

9. Designated Facility Name and Site Address: Georgia Petroleum, Inc. 1612 James P. Rogers Circle Valrico, Georgia 31601 10. US EPA ID Number: GAD# 981222433

A. Transporter's Phone: 912-244-9110

B. Transporter's Phone

C. Facility's Phone: 912-244-9110

Table with 4 columns: 11. Waste Shipping Name and Description, 12. Containers No., 13. Total Quantity, 14. Unit W/Vol. Rows include 'NON HAZ DIRTY DIESEL' and 'Non HAZ (Liquids) (off spec Diesel) NOS. O.I. (MA 1993)'.

Additional Descriptions for Materials Listed Above: API 34.3 VIS 32 BOW (2190) CHLOR 450

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: In the event of an emergency call 012-244-9110 Mon - Fri 8-5 or 912-244-0601 anytime.

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: URSULA KLIMAS Signature: Ursula Klimas Month Day Year: 10/4/97

17. Transporter 1 Acknowledgement of Receipt of Materials: Printed/Typed Name: Freddy Norris Signature: Freddy Norris Month Day Year: 10/4/97

18. Transporter 2 Acknowledgement of Receipt of Materials: Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space: Comp # (1) 125 gal. free water loss 6% water in 1 layer Comp (2)(3)(4) 50.00 gal. loss 1% water

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

Printed/Typed Name: Gene Goldkiss Signature: Gene Goldkiss Month Day Year: 04/15/97

TRANSPORTER #1



# Florida Department of Environmental Regulation

Twin Towers Office Bldg • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-761.900(6)  
 Form Title Closure Assessment Form  
 Effective Date December 10, 1990  
 DER Application No. \_\_\_\_\_  
 Filed in DE DEP

## Closure Assessment Form

Owners of storage tank systems that are replacing, removing or closing in place storage tanks shall use this form to demonstrate that a storage system closure assessment was performed in accordance with Rule 17-761 or 17-762, Florida Administrative Code. Eligible Early Detection Incentive (EDI) and Reimbursement Program sites do not have to perform a closure assessment.

Please Print or Type  
Complete All Applicable Blanks

- Date: 28 May 97
- DER Facility ID Number: 168507293
- County: Duval
- Facility Name: Building 623, Boiler House
- Facility Owner: Naval Air Station, Cecil Field
- Facility Address: Bldg 623, South Perimeter Rd., Yellow Water Weapons Area
- Mailing Address: N.P.W.C., Box 101, Cecil Field Zone, Jacksonville, FL 32215-0101
- Telephone Number: (904) 778-5620
- Facility Operator: Lloyd Cruz
- Are the Storage Tank(s): (Circle one or both) A. Aboveground or B. Underground
- Type of Product(s) Stored: #2 HEATING OIL
- Were the Tank(s): (Circle one) A. Replaced B. Removed C. Closed in Place D. Upgraded (aboveground tanks only)
- Number of Tanks Closed: 1
- Age of Tanks: UNKNOWN

### Facility Assessment Information

Yes No Not Applicable

- |                                     |                                     |                                     |   |
|-------------------------------------|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     | 1. Is the facility participating in the Florida Petroleum Liability Insurance and Restoration Program (FPLIRP)?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     | 2. Was a Discharge Reporting Form submitted to the Department?<br>If yes, When: <u>notification made by</u> Where: <u>Cecil Field Env., Ph 778-5620</u>   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     | 3. Is the depth to ground water less than 20 feet?  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 4. Are monitoring wells present around the storage system?<br>If yes, specify type: <input checked="" type="checkbox"/> Water monitoring <input type="checkbox"/> Vapor monitoring  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 5. Is there free product present in the monitoring wells or within the excavation?  |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 6. Were the petroleum hydrocarbon vapor levels in the soils greater than 500 parts per million for gasoline?<br>Specify sample type: <input type="checkbox"/> Vapor Monitoring wells <input type="checkbox"/> Soil sample(s)                  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 7. Were the petroleum hydrocarbon vapor levels in the soils greater than 50 parts per million for diesel/kerosene?<br>Specify sample type: <input type="checkbox"/> Vapor Monitoring wells <input checked="" type="checkbox"/> Soil sample(s) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | 8. Were the analytical laboratory results of the ground water sample(s) greater than the allowable state target levels?<br>(See target levels on reverse side of this form and supply laboratory data sheets)                                 |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 9. If a used oil storage system, did a visual inspection detect any discolored soil indicating a release?   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     | 10. Are any potable wells located within 1/4 of a mile radius of the facility?  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     | 11. Is there a surface water body within 1/4 mile radius of the site? If yes, indicate distance: _____  |

DER Form #	17-761.900(6)
Form Title	Closure Assessment Form
Effective Date	December 10, 1990
DER Application No.	(Filled in by DER)

12. A detailed drawing or sketch of the facility that includes the storage system location, monitoring wells, buildings, storm drains, sample locations, and dispenser locations must accompany this form.
13. If a facility has a pollutant storage tank system that has both gasoline and kerosene/diesel stored on site, both EPA Method 602 and EPA Method 610 must be performed on the ground water samples obtained.
14. Amount of soils removed and receipt of proper disposal.
15. If yes is answered to any one of questions 5-9, a Discharge Reporting Form 17-761.900(1) indicating a suspected release shall be submitted to the Department within one working day.
16. A copy of this form and any attachments must be submitted to the Department's district office in your area and to the locally administered program office under contract with the Department within 60 days of completion of tank removal or filling a tank with an inert material.

\_\_\_\_\_  
Signature of Owner

\_\_\_\_\_  
Date

*J. L. Laguerre*

6/13/97

\_\_\_\_\_  
Signature of Person Performing Assessment

\_\_\_\_\_  
Date

\_\_\_\_\_  
Environmental Specialist

\_\_\_\_\_  
Title of Person Performing Assessment

### State Ground Water Target Levels That Affect A Pollutant Storage Tank System Closure Assessment

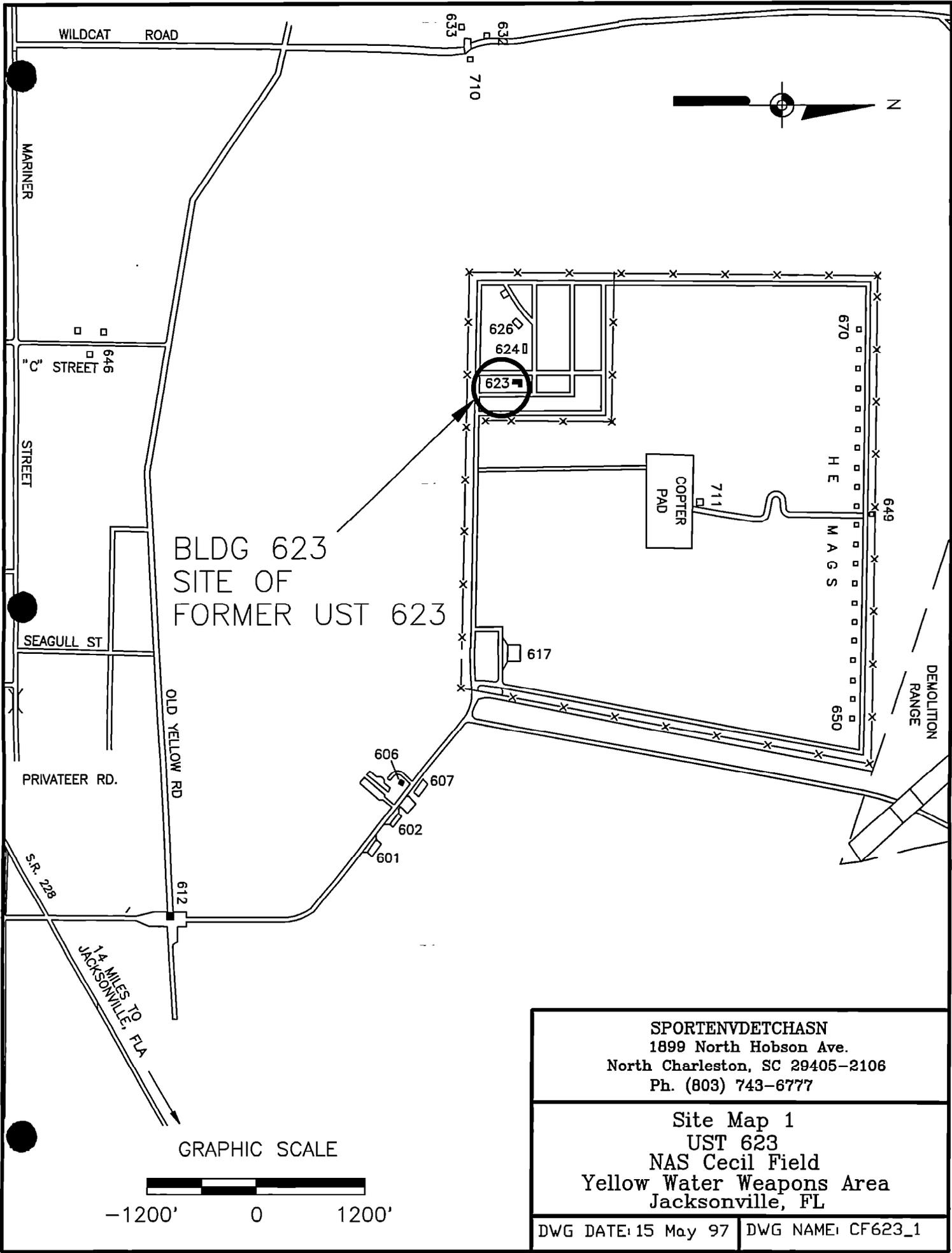
State ground water target levels are as follows:

1. For gasoline (EPA Method 602):

- a. Benzene 1 ug/l
- b. Total VOA 50 ug/l
  - Benzene
  - Toluene
  - Total Xylenes
  - Ethylbenzene
- c. Methyl Test-Butyl Ether (MTBE) 50 ug/l

2. For kerosene/diesel (EPA Method 610):

- a. Polynuclear Aromatic Hydrocarbons (PAHS)  
(Best achievable detection limit, 10 ug/l maximum)

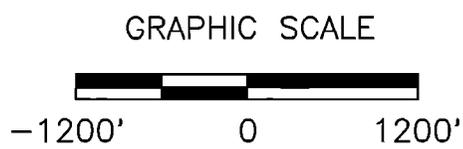


BLDG 623  
 SITE OF  
 FORMER UST 623

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

Site Map 1  
 UST 623  
 NAS Cecil Field  
 Yellow Water Weapons Area  
 Jacksonville, FL

DWG DATE: 15 May 97 | DWG NAME: CF623\_1



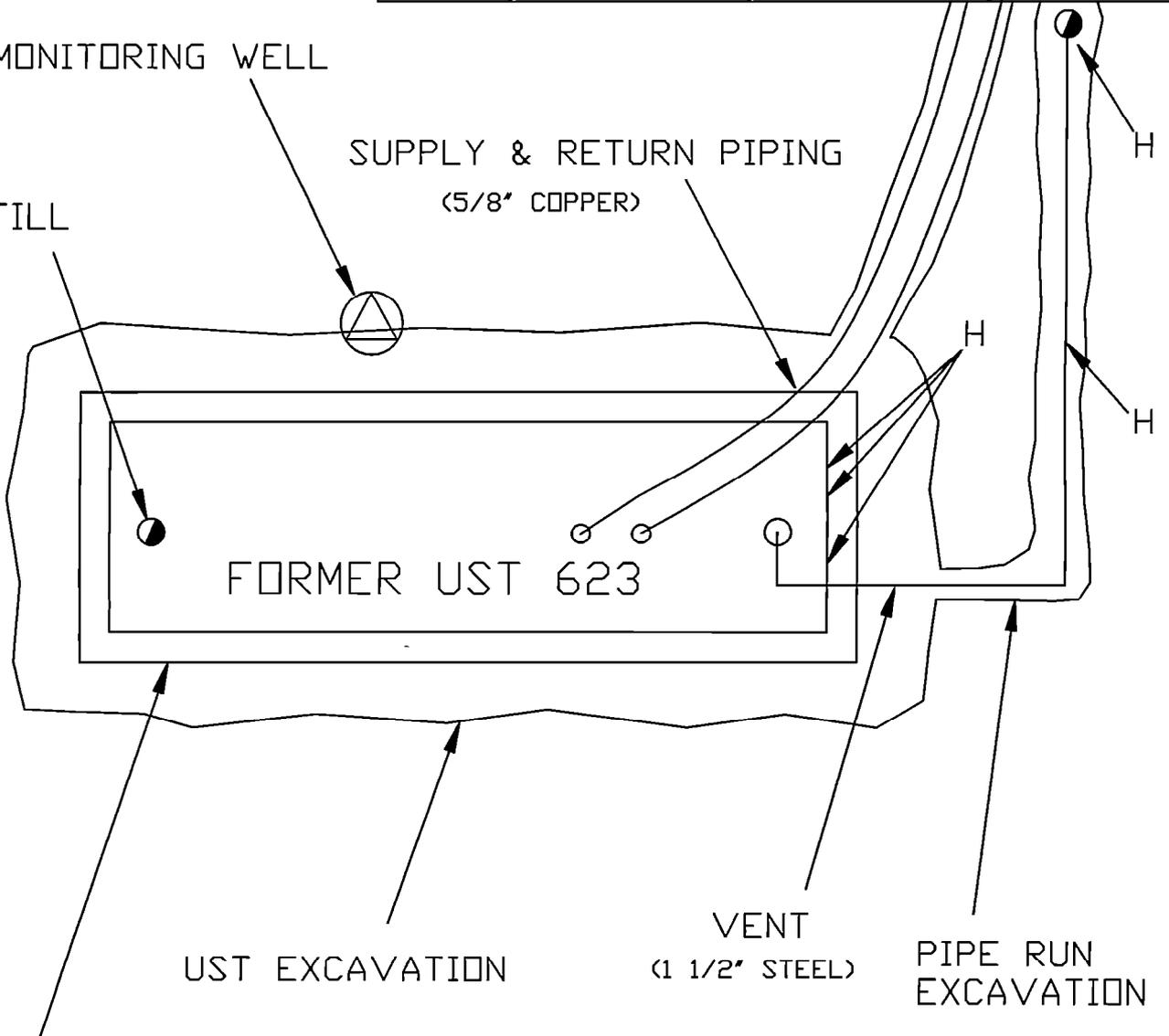
BLDG 623



MONITORING WELL

SUPPLY & RETURN PIPING  
(5/8" COPPER)

FILL



FORMER UST 623

UST EXCAVATION

VENT  
(1 1/2" STEEL)

PIPE RUN  
EXCAVATION

BALLAST PAD

NOTE

H - HOLES FOUND HERE

6' 0 6'

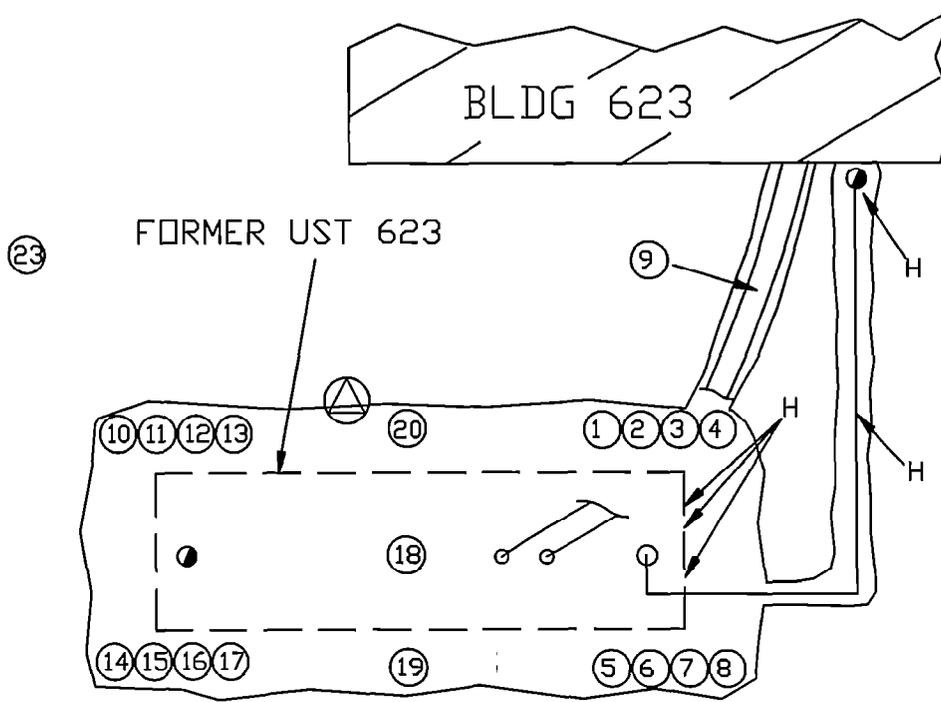


GRAPHIC SCALE

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

Site Map 2  
UST 623  
NAS Cecil Field  
Yellow Water Weapons Area  
Jacksonville, FL

DWG DATE: 22 MAY 97 DWG NAME: CF623\_3



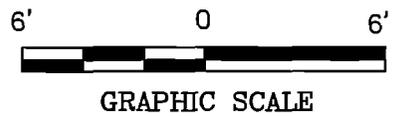
SS #	TIME	DEPTH	READING(ppm)
SS-1	<sup>4/17/97</sup> 1401	1'	11
SS-2	1402	3'	113
SS-3	1403	5'	2487
SS-4	1404	7'	1956
SS-5	1405	1'	32
SS-6	1406	3'	282
SS-7	1407	5'	189
SS-8	1408	7'	622
SS-9	1409	3'	13.6
SS-10	1410	1'	45.4
SS-11	1411	3'	960
SS-12	1412	5'	703
SS-13	1413	7'	1772
SS-14	1414	1'	93
SS-15	1415	3'	217
SS-16	1416	5'	416
SS-17	1417	7'	>5000
SS-18	1418	7'	802
SS-19	1419	4'	293
SS-20	1420	4'	1064
SS-21	1422	3'	1731
SS-22	1424	3'	100
SS-23	1426	3'	62.6
SS-24	1507	3'	20.2
SS-25	1513	3'	1142

KEY

- H - HOLES FOUND HERE
- ⊙ - SOIL SAMPLE (SS-#)
- ⊠ - MONITORING WELL LOCATION

NOTE:

APPROX. 20 CU YARDS OF CONTAMINATED SOIL WAS REMOVED AND TRANSFERED TO SITE 3 AT NAS CECIL FIELD.



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

Site Map 3  
 UST 623  
 NAS Cecil Field  
 Yellow Water Weapons Area  
 Jacksonville, FL

DWG DATE: 23 MAY 97      DWG NAME: 623\_4