N60200.AR.001673
NAS CECIL FIELD, FL
5090.3a

SITE ASSESSMENT REPORT FOR BUILDING 595 TANK 595 BASE REALIGNMENT AND CLOSURE UNDERGROUND STORAGE TANK AND ABOVEGROUND STORAGE TANK GREY SITES REVISION 1 NAS CECIL FIELD FL

2/1/1999

HARDING LAWSON ASSOCIATES

SITE ASSESSMENT REPORT

BUILDING 595, TANK 595

BASE REALIGNMENT AND CLOSURE

UNDERGROUND STORAGE TANK AND ABOVEGROUND STORAGE TANK GRAY SITES

NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA

Unit Identification Code: N60200

Contract No.: N62467-89-D-0317/090

Prepared by:

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Naval Facilities Engineering Command
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February 1999

Revision 1.0

CERTIFICATION OF TECHNICAL
DATA CONFORMITY (MAY 1987)

The Contractor, Harding Lawson Associates, hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-89-D-0317/090 are complete and accurate and comply with all requirements of this contract.

DATE: February 18, 1999

NAME AND TITLE OF CERTIFYING OFFICIAL: Rao Angara
Task Order Manager

NAME AND TITLE OF CERTIFYING OFFICIAL: Eric A. Blomberg, P.G.
Project Technical Lead

(DFAR 252.227-7036)

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Building 595, Tank 595
Naval Air Station Cecil Field
Jacksonville, Florida

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Building 595, Tank 595
Naval Air Station Cecil Field
Jacksonville, Florida

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GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
BEI	Bechtel Environmental, Inc.
bls	below land surface
CSR	confirmatory sampling report
FDEP	Florida Department of Environmental Protection
HLA	Harding Lawson Associates
NAS	Naval Air Station
OVA	organic vapor analyzer
ppm	parts per million
SA	site assessment
UST	underground storage tank

1.0 INTRODUCTION

Harding Lawson Associates (HLA), under contract to the Southern Division, Naval Facilities Engineering Command, has completed the Site Assessment (SA) for Tank 595 at Naval Air Station (NAS) Cecil Field in Jacksonville, Florida. This report summarizes the related field operations, results, conclusions, and recommendations of the SA.

Tank 595 was an underground storage tank (UST) located at Building 595, which is part of the Guided Missile Compound within the Aviation Ordnance Area (Figure 1). The UST, which was installed in 1965, has a 2,000-gallon capacity and is used to store fuel oil for on-site heating (ABB Environmental Services, Inc. [ABB-ES], 1997a). A contamination assessment plan for the assessment of soil and groundwater at Tank 595 was prepared by HLA in November 1996 (ABB-ES, 1996). Results of the contamination assessment are presented in the Confirmatory Sampling Report (CSR), which recommended that additional soil assessment be conducted to delineate the extent of excessively contaminated soil (ABB-ES, 1997b).

Tank 595 was removed by Bechtel Environmental, Inc. (BEI), on April 16, 1997. No soil was removed from the site at that time. A Closure Report was prepared for Tank 595 and submitted to the Florida Department of Environmental Protection (FDEP) (BEI, 1997).

2.0 FIELD INVESTIGATION

The SA for Tank 595 was initiated in November 1997 and included

- the advancement of twelve soil borings to the water table, and
- collection and analysis of three subsurface soil samples.

Soil samples were collected from each boring at depth intervals of 1 foot below land surface (bls) and every 2 feet thereafter to the water table. These samples were screened for hydrocarbon vapors with an organic vapor analyzer (OVA). One subsurface soil sample was collected on April 16, 1998, from 3 to 5 feet bls near soil boring SB4 (which had the highest OVA reading) and analyzed for the Kerosene Analytical Group parameters. Two additional subsurface soil samples, CEF-595-SB2 and CEF-595-SB3, were collected from 5 feet bls and 3 feet bls, respectively, to assess areas with elevated OVA readings.

Monitoring well CEF-595-1S was installed during confirmatory sampling immediately adjacent to Tank 595 before it was removed. Monitoring well construction detail is presented in Appendix A.

A general site plan indicating the location of the soil borings and monitoring well is presented on Figure 2.

3.0 SCREENING AND ANALYTICAL RESULTS

Excessively contaminated soil (greater than 50 parts per million [ppm] on an OVA) was detected in two of six soil borings advanced during the SA. The highest OVA reading (2,500 ppm) was detected at 3 feet bls in soil boring SB5. High levels

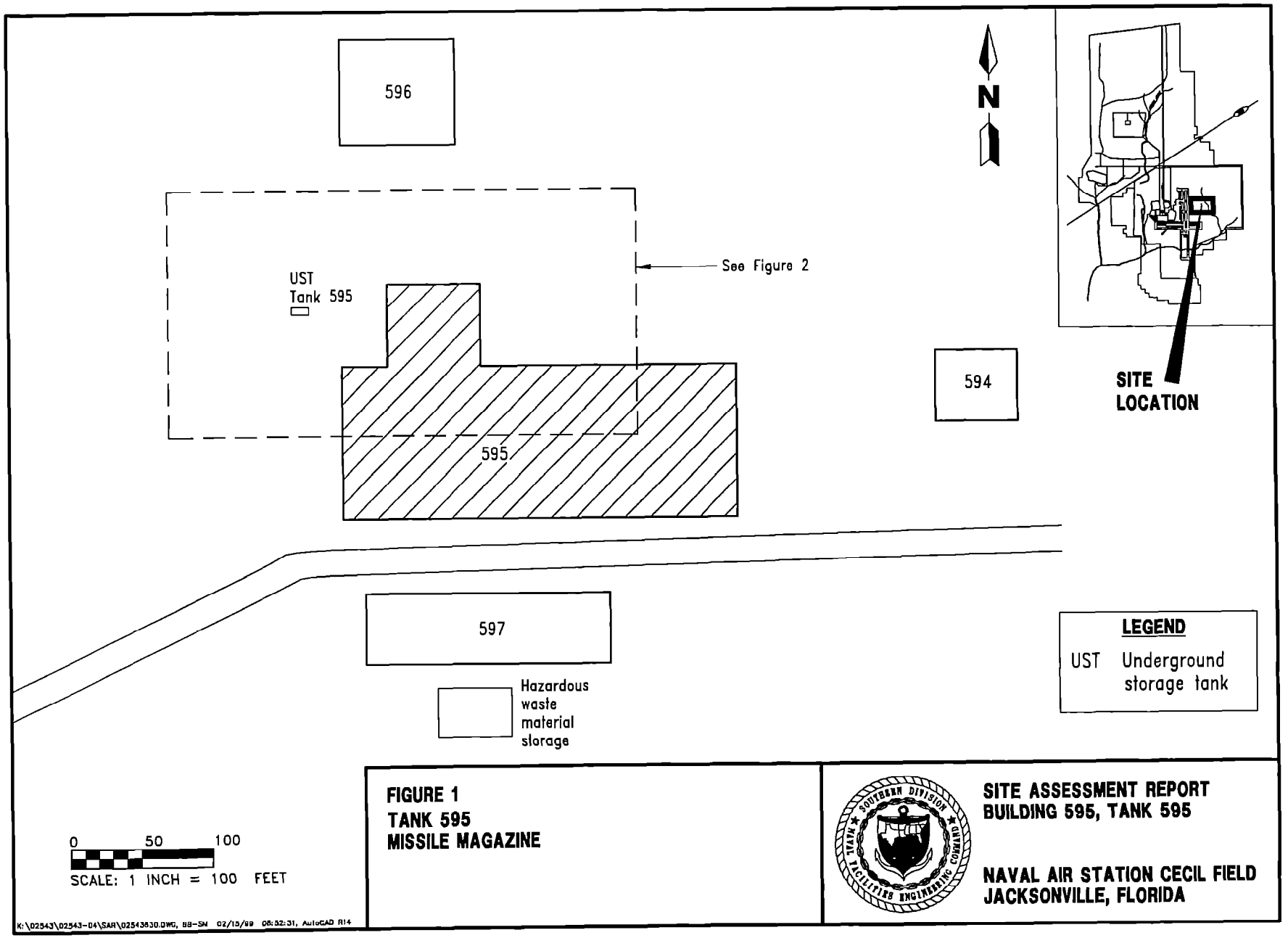
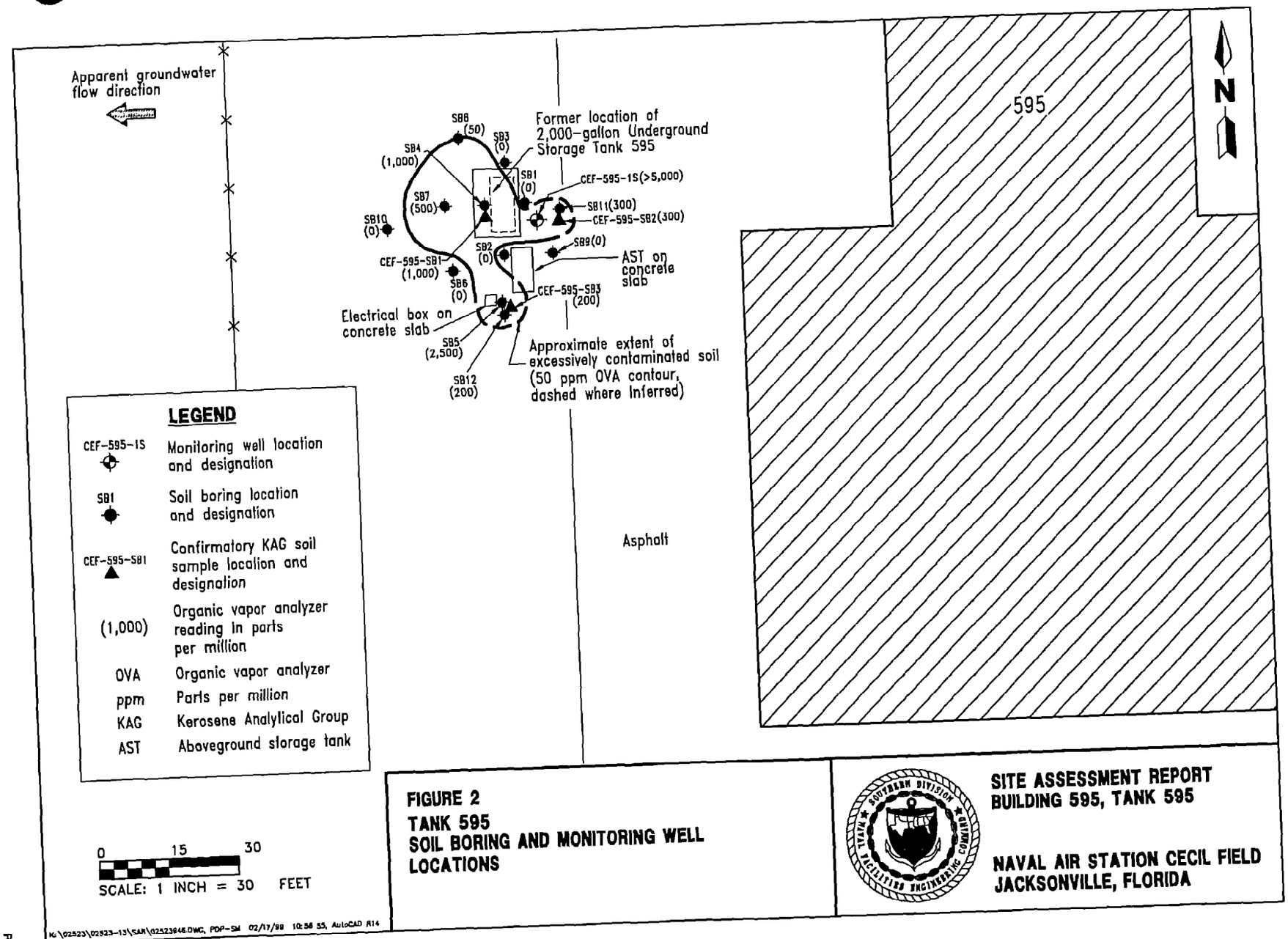


FIGURE 1
TANK 595
MISSILE MAGAZINE

SITE ASSESSMENT REPORT
BUILDING 595, TANK 595

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA


Apparent groundwater flow direction
SB8 (50)
SB3 (0)
SB4 (1,000)
SB1 (0)
Former location of 2,000-gallon Underground Storage Tank 595
CEF-595-1S(>5,000)
SB7 (500)
SB11(300)
CEF-595-SB2(300)
SB10 (0)
SB9(0)
SB2 (0)
AST on concrete slab
CEF-595-SB1 (1,000)
SB6 (0)
CEF-595-SB3 (200)
Electrical box on concrete slab
SB5 (2,500)
Approximate extent of excessively contaminated soil (50 ppm OVA contour, dashed where inferred)
SB12 (200)
595
N
Asphalt
LEGEND
CEF-595-1S Monitoring well location and designation
SB1 Soil boring location and designation
CEF-595-SB1 Confirmatory KAG soil sample location and designation
(1,000) Organic vapor analyzer reading in parts per million
OVA Organic vapor analyzer
ppm Parts per million
KAG Kerosene Analytical Group
AST Aboveground storage tank
0 15 30
SCALE: 1 INCH = 30 FEET
K:\02523\02523-13\SAR\02523946.DWG, PDP-SM 02/17/98 10:56:55, AutoCAD R14
FIGURE 2
TANK 595
SOIL BORING AND MONITORING WELL LOCATIONS
SITE ASSESSMENT REPORT
BUILDING 595, TANK 595
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

of methane were also detected in the soil screening samples and may be causing the elevated OVA readings. No petroleum odors were identified in the soil samples. The extent of excessively contaminated soil is presented on Figure 2. The soil OVA data are summarized in Table 1 and presented on Figure 2.

Based on the U.S. Geological Survey groundwater flow model for NAS Cecil Field, groundwater flow direction at the Tank 595 site is interpreted to be to the west toward Sal Taylor Creek.

No contaminants were detected above FDEP cleanup target levels in any of the subsurface soil samples collected at the Tank 595 site. Subsurface soil analytical results are summarized in Table 2 and presented in Appendix B.

No contaminants were detected above cleanup target levels in the groundwater sample collected from monitoring well CEF-595-1S. Groundwater analytical data are summarized in Table 3 and presented in Appendix B.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Data obtained during the SA at the Tank 595 site provided an adequate assessment of the horizontal and vertical extent of excessively contaminated soil. It appears that methane may be causing elevated OVA readings around the perimeter of the site, and delineation to 50 ppm was not completed. No contaminants were detected above FDEP cleanup target levels in the three subsurface soil samples collected at the site.

No contaminants were detected above the regulatory standards specified in Chapter 62-770, Florida Administrative Code, in the groundwater sample collected from monitoring well CEF-595-1S.

It is recommended that no further action take place at the Tank 595 site.

Table 1
Soil Screening Results

Site Assessment Report
Building 595, Tank 595
Naval Air Station Cecil Field
Jacksonville, Florida

Location	OVA Concentration (ppm)			
	Depth (feet bls)	Unfiltered	Filtered	Actual
SB1	1	0	–	0
	3	0	–	0
	5 (wet)	0	–	0
SB2	1	0	–	0
	3	0	–	0
	5 (wet)	700	0	700
SB3	1	0	–	0
	3	0	–	0
	5 (wet)	0	–	0
SB4	1	0	–	0
	3	0	–	0
	5	1,000	0	1,000
CEF-595-1S	2	0	–	0
	3	>5,000	0	>5,000
	5	2,400	0	2,400
	7 (wet)	80	0	80
SB5	1	0	–	0
	3	>5,000	2,500	2,500
	5 (wet)	>5,000	3,500	1,500
	7 (wet)	1,500	1,400	100
SB6	1	0	–	0
	3	>5,000	>5,000	0
	5 (wet)	>5,000	3,000	2,000
SB7	1	0	–	0
	3	2,500	1,000	1,500
	5 (wet)	>5,000	1,000	3,500
SB8	1	23	5	18
	3	700	650	50
	5 (wet)	1,400	1,000	400

See notes at end of table.

Table 1 (Continued)
Soil Screening Results

Site Assessment Report
Building 595, Tank 595
Naval Air Station Cecil Field
Jacksonville, Florida

Location	OVA Concentration (ppm)			
	Depth (feet bls)	Unfiltered	Filtered	Actual
SB9	1	0	–	0
	3	0	–	0
	4 (refusal)	–	–	0
SB10	1	0	–	0
	3	>5,000	>5,000	0
	5	2,600	2,600	0
SB11	1	0	–	0
	3	0	–	0
	5	300	0	300
	6 (wet)	–	–	–
SB12	1	0	–	0
	3	200	70	130
	4 (refusal)	–	–	–

Notes: Soil samples were collected on January 21, 1997, November 6, 1997, and January 20, 1999.
Soil samples were filtered with carbon to determine the methane concentration.

OVA = organic vapor analyzer.
ppm = parts per million.
bls = below land surface.
-- = filtered readings were not collected.
wet = soil sample was completely saturated when analyzed.
> = greater than.
refusal = subsurface obstruction encountered during boring advancement; no further samples collected at this location.

Table 2
Summary of Subsurface Soil Analytical Detections

Site Assessment Report
Building 595, Tank 595
Naval Air Station Cecil Field
Jacksonville, Florida

Compound	CEF-595-SB1 (3 feet bls; OVA = 2,500 ppm)	CEF-595-SB2 (5 feet bls; OVA = 300 ppm)	CEF-595-SB3 (3 feet bls; OVA = 200 ppm)	Soil Cleanup Target Levels[1]
Volatile Organic Aromatics (USEPA Method 8020) (mg/kg)				
Toluene	ND	0.0013 J	ND	300/0.4
Polynuclear Aromatic Hydrocarbons (USEPA Method 8310) (mg/kg)				
Benzo(a)anthracene	ND	0.011	0.0048	1.4/2.9
Benzo(b)fluoranthene	ND	0.028	0.004	1.4/9.8
Benzo(k)fluoranthene	ND	0.007	ND	15/25
Chrysene	ND	0.021	0.010	140/80
Fluorene	ND	0.024	ND	2,100/87
Phenanthrene	ND	0.017	0.017	1,900/120
1-Methylnaphthalene	ND	ND	0.028	NA
Benzo(g,h,i)perylene	0.350	0.0084 J	ND	2,300/13,000
Total Recoverable Petroleum Hydrocarbons (TRPH) (FL-PRO) (mg/kg)				
TRPH	120	57	ND	350/340

[1] Chapter 62-770, Florida Administrative Code: Direct Exposure I/Leachability, Table V.

Notes: Soil sample was collected on April 16, 1998.

bls = below land surface.
OVA = organic vapor analyzer.
USEPA = U.S. Environmental Protection Agency.
mg/kg = milligrams per kilogram.
ND = not detected.
NA = not applicable.
FL-PRO = Florida-Petroleum Residual Organics.

Table 3
Summary of Groundwater Analytical Detections

Site Assessment Report
Building 595, Tank 595
Naval Air Station Cecil Field
Jacksonville, Florida

Compound	Monitoring Well CEF-595-1S	Groundwater Cleanup Target Levels[1]
Volatile Organic Aromatics (USEPA Method 8020) (µg/ℓ)		
1,4-Dichlorobenzene	1.4	NA
Methylene chloride	1.1	NA
Polynuclear Aromatic Hydrocarbons (USEPA Method 8310) (µg/ℓ)		
No compounds detected		
Total Recoverable Petroleum Hydrocarbons (TRPH) (FL-PRO) (µg/ℓ)		
Not detected		

[1] Chapter 62-770, Florida Administrative Code.

Notes: USEPA = U.S. Environmental Protection Agency.
µg/ℓ = micrograms per liter.
NA = not applicable.
FL-PRO = Florida-Petroleum Residual Organics.

5.0 PROFESSIONAL REVIEW CERTIFICATION

The SA contained in this report was prepared using sound hydrogeologic principles and judgment. This assessment is based on the geologic investigation and associated information detailed in the text and appended to this report. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of any additional information on the assessment described in this report. This SA report was developed for the Building 595 site at NAS Cecil Field, Jacksonville, Florida, and should not be construed to apply to any other site.

Eric A. Blomberg
Professional Geologist
P.G. No. 0001695

2-19-99
Date

REFERENCES

ABB Environmental Services, Inc. (ABB-ES). 1996. *Contamination Assessment Plan, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM), North Charleston, South Carolina (November).

ABB-ES. 1997a. *Base Realignment and Closure Tank Management Plan, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOM, North Charleston, South Carolina (January).

ABB-ES. 1997b. *Confirmatory Sampling Report, Building 595, Tank 595, Base Realignment and Closure, Underground Storage Tank and Aboveground Storage Tank Grey Sites, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOM, North Charleston, South Carolina (November).

Bechtel Environmental, Inc. 1997. DO #59: *Closure Report for Above Storage Tank/Underground Storage Tank Removals, Naval Air Station Cecil Field, Jacksonville, Florida* (July).

APPENDIX A

MONITORING WELL CONSTRUCTION DETAIL

TITLE: NAS Cecil Field		LOG of WELL: CEF-595-1S	BORING NO. CEF-595-1S
CLIENT: SOUTHDIVNAVFACENGCOM			PROJECT NO: 8542-03
CONTRACTOR: GEOTEK		DATE STARTED: 2-14-97	COMPLTD: 2-14-97
METHOD: 6.25" HSA	CASE SIZE: 2"	SCREEN INT.: 4-14	PROTECTION LEVEL: D
TOC ELEV.: FEET.	MONITOR INST.: FID	TOT DPTH: 16 FEET.	DPTH TO ⊽ 5.30 FEET.
LOGGED BY: J Koch	WELL DEVELOPMENT DATE: 2-19-97		SITE: Building 595

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
				0	SILTY SAND: Light brown to grey, fine grain to medium grain, no petroleum odor.		SM	posthole	
				>5,000	SILTY SAND: Light grey to dark grey, fine grain, no petroleum odor.			posthole	
5			75%	2,400	SILTY SAND: Light grey to dark grey, fine grain, no petroleum odor.			5,6,9,12	
10			75%	80	SILTY SAND: Litht brown to grey, fine grain, no petroleum odor.			4,9,11,16	
15									
20									

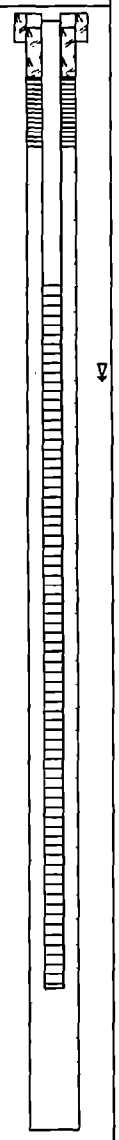


 ABB ENVIRONMENTAL SERVICES, INC.

APPENDIX B

ANALYTICAL DETAIL

NAS CECIL FIELD -- FACILITY 595
SUBSURFACE SOIL -- ANALYTICAL DATA -- REPORT REQUEST NO. 10708

Lab Sample Number:	JR505310				JR505311			
Site	UST GREY				UST GREY			
Locator	CEF-595-SB2				CEF-595-SB3			
Collect Date:	20-JAN-99				20-JAN-99			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BRAC VOLATILES								
1,1,1-Trichloroethane	1	U	ug/kg	1	1	U	ug/kg	1
1,1,2,2-Tetrachloroethane	2	U	ug/kg	2	2	U	ug/kg	2
1,1,2-Trichloroethane	1	U	ug/kg	1	1	U	ug/kg	1
1,1-Dichloroethane	1	U	ug/kg	1	1	U	ug/kg	1
1,1-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1
1,2-Dichloroethane	1	U	ug/kg	1	1	U	ug/kg	1
1,2-Dichloropropane	1	U	ug/kg	1	1	U	ug/kg	1
Benzene	1	U	ug/kg	1	1	U	ug/kg	1
Bromodichloromethane	1	U	ug/kg	1	1	U	ug/kg	1
Bromoform	1	U	ug/kg	1	1	U	ug/kg	1
Bromomethane	1	U	ug/kg	1	1	U	ug/kg	1
Carbon tetrachloride	1	U	ug/kg	1	1	U	ug/kg	1
Chlorobenzene	1	U	ug/kg	1	1	U	ug/kg	1
Chloroethane	1	U	ug/kg	1	1	U	ug/kg	1
Chloroform	1	U	ug/kg	1	1	U	ug/kg	1
Chloromethane	1	U	ug/kg	1	1	U	ug/kg	1
Dibromochloromethane	1	U	ug/kg	1	1	U	ug/kg	1
Ethyl benzene	1	U	ug/kg	1	1	U	ug/kg	1
Methylene chloride	10		ug/kg	3	4	J	ug/kg	3
Tetrachloroethene	1	U	ug/kg	1	1	U	ug/kg	1
Toluene	1.3	J	ug/kg	1	1	U	ug/kg	1
Trichloroethene	1	U	ug/kg	1	1	U	ug/kg	1
Vinyl chloride	1	U	ug/kg	1	1	U	ug/kg	1
cis-1,3-Dichloropropene	1	U	ug/kg	1	1	U	ug/kg	1
m,p-Xylene	2	U	ug/kg	2	2	U	ug/kg	2
o-Xylene	1	U	ug/kg	1	1	U	ug/kg	1
trans-1,2-Dichloroethene	1	U	ug/kg	1	1	U	ug/kg	1
trans-1,3-Dichloropropene	1	U	ug/kg	1	1	U	ug/kg	1
PAHs								
Acenaphthene	19	U	ug/kg	19	19	U	ug/kg	19
Acenaphthylene	38	U	ug/kg	38	37	U	ug/kg	37
Anthracene	2	U	ug/kg	2	2	U	ug/kg	2
Benzo (a) anthracene	11		ug/kg	1.9	4.8		ug/kg	1.9
Benzo (b) fluoranthene	28		ug/kg	3	4	J	ug/kg	3
Benzo (k) fluoranthene	7		ug/kg	2	2	U	ug/kg	2
Benzo (a) pyrene	2	U	ug/kg	2	2	U	ug/kg	2
Chrysene	21		ug/kg	1.9	10		ug/kg	1.9
Dibenzo (a,h) anthracene	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7
Fluoranthene	24		ug/kg	3.8	3.7	U	ug/kg	3.7
Fluorene	3.8	U	ug/kg	3.8	3.7	U	ug/kg	3.7
Indeno (1,2,3-cd) pyrene	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
Benzo (g,h,i) perylene	8.4	J	ug/kg	3.8	3.7	U	ug/kg	3.7
Naphthalene	19	U	ug/kg	19	19	U	ug/kg	19
Phenanthrene	17		ug/kg	1.9	17		ug/kg	1.9
Pyrene	1.9	U	ug/kg	1.9	1.9	U	ug/kg	1.9
1-Methylnaphthalene	19	U	ug/kg	19	28		ug/kg	19
2-Methylnaphthalene	19	U	ug/kg	19	19	U	ug/kg	19

NAS CECIL FIELD -- FACILITY 595
SUBSURFACE SOIL -- ANALYTICAL DATA -- REPORT REQUEST NO. 10708

Lab Sample Number:	JR505310			JR505311		
Site	UST GREY			UST GREY		
Locator	CEF-595-SB2			CEF-595-SB3		
Collect Date:	20-JAN-99			20-JAN-99		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
FLA PRO						
TPH C8-C40	57	mg/kg	7.6	7.4 U	mg/kg	7.4

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- TANK 595
UST GREY ANALYTICAL PARAMETERS -- REPORT NO. 9496

Lab Sample Number:	B7C2201010			B7C2201010		
Site	BRACGREY			BRACGREY		
Locator	CEF5951S			CEF5951S		
Collect Date:	20-MAR-97			20-MAR-97		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
BRACGREY ANAYLTICAL PARAMETERS						
1,1,1-Trichloroethane	1	U ug/l	1		-	
1,1,2,2-Tetrachloroethane	1	U ug/l	1		-	
1,1,2-Trichloroethane	1	U ug/l	1		-	
1,1-Dichloroethane	1	U ug/l	1		-	
1,1-Dichloroethene	1	U ug/l	1		-	
1,2-Dichlorobenzene	1	U ug/l	1		-	
1,3-Dichlorobenzene	1	U ug/l	1		-	
1,4-Dichlorobenzene	1.4	ug/l	1		-	
1,2-Dichloroethane	1	U ug/l	1		-	
1,2-Dichloropropane	1	U ug/l	1		-	
1-Methylnaphthalene	2	U ug/l	2		-	
2-Methylnaphthalene	2	U ug/l	2		-	
Acenaphthene	2	U ug/l	2		-	
Acenaphthylene	2	U ug/l	2		-	
Anthracene	2	U ug/l	2		-	
Benzene	1	U ug/l	1		-	
Benzo (a) anthracene	.1	U ug/l	.1		-	
Benzo (a) pyrene	.1	U ug/l	.1		-	
Benzo (b) fluoranthene	.1	U ug/l	.1		-	
Benzo (g,h,i) perylene	.2	U ug/l	.2		-	
Benzo (k) fluoranthene	.15	U ug/l	.15		-	
Bromodichloromethane	1	U ug/l	1		-	
Bromoform	1	U ug/l	1		-	
Bromomethane	1	U ug/l	1		-	
Carbon tetrachloride	1	U ug/l	1		-	
Chlorobenzene	1	U ug/l	1		-	
Chloromethane	1	U ug/l	1		-	
Chloroform	1	U ug/l	1		-	
Chloromethane	1	U ug/l	1		-	
Chrysene	.1	U ug/l	.1		-	
Dibenzo (a,h) anthracene	.2	U ug/l	.2		-	
Dibromochloromethane	1	U ug/l	1		-	
Dichlorodifluoromethane	1	U ug/l	1		-	
Ethylbenzene	1	U ug/l	1		-	
Ethylene dibromide	.02	U ug/l	.02		-	
Fluoranthene	.2	U ug/l	.2		-	
Fluorene	2	U ug/l	2		-	
Indeno (1,2,3-cd) pyrene	.1	U ug/l	.1		-	
Lead	5	U ug/l	5		-	
Methyl tert-butyl ether	1	U ug/l	1		-	
Methylene chloride	1.1	ug/l	1		-	
Naphthalene	2	U ug/l	2		-	
Phenanthrene	2	U ug/l	2		-	
Pyrene	.2	U ug/l	.2		-	
Tetrachloroethene	1	U ug/l	1		-	
Toluene	1	U ug/l	1		-	
Total petroleum hydrocarbons	.5	U mg/l	.5		-	
Trichloroethene	1	U ug/l	1		-	
Trichlorofluoromethane	1	U ug/l	1		-	
Vinyl chloride	1	U ug/l	1		-	

NAS CECIL FIELD -- TANK 595
UST GREY ANALYTICAL PARAMETERS -- REPORT NO. 9496

Lab Sample Number:	B7C2201010				B7C2201010			
Site	BRACGREY				BRACGREY			
Locator	CEF5951S				CEF5951S			
Collect Date:	20-MAR-97				20-MAR-97			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Xylenes (total)	1	U	ug/l	1	-			
cis-1,3-Dichloropropene	1	U	ug/l	1	-			
trans-1,2-Dichloroethene	1	U	ug/l	1	-			
trans-1,3-Dichloropropene	1	U	ug/l	1	-			
Lead-DISS	-				5	U	ug/l	5

U = NOT DETECTED J = ESTIMATED VALUE
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED
R = RESULT IS REJECTED AND UNUSABLE

NAS CECIL FIELD -- TANK 595
SOIL DATA -- KEROSENE ANALYTICAL GROUP -- REPORT REQ NO. 9953

Lab Sample Number:	A8D1701040			
Site	UST GREY			
Locator	CEF-595-SB1			
Collect Date:	16-APR-98			
	VALUE	QUAL	UNITS	DL
UST GREY				
Benzene	1.2	U	ug/kg	1.2
Ethylbenzene	1.2	U	ug/kg	1.2
Toluene	1.2	U	ug/kg	1.2
Xylenes (total)	1.2	U	ug/kg	1.2
Acenaphthene	4600	U	ug/kg	4600
Acenaphthylene	4600	U	ug/kg	4600
Anthracene	4600	U	ug/kg	4600
Benzo (a) anthracene	120	U	ug/kg	120
Benzo (a) pyrene	120	U	ug/kg	120
Benzo (b) fluoranthene	120	U	ug/kg	120
Benzo (g,h,i) perylene	350		ug/kg	120
Benzo (k) fluoranthene	120	U	ug/kg	120
Chrysene	460	U	ug/kg	460
Dibenzo (a,h) anthracene	120	U	ug/kg	120
Fluoranthene	120	U	ug/kg	120
Fluorene	4600	U	ug/kg	4600
Indeno (1,2,3-cd) pyrene	120	U	ug/kg	120
Naphthalene	4600	U	ug/kg	4600
Phenanthrene	4600	U	ug/kg	4600
Pyrene	120	U	ug/kg	120
FLA PRO				
TPH C8-C40	120		mg/kg	12

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R = RESULT IS REJECTED AND UNUSABLE