

N60200.AR.001191
NAS CECIL FIELD, FL
5090.3a

CONFIRMATORY SAMPLING REPORT BUILDING 825 TANK G825LS BASE REALIGNMENT
AND CLOSURE UNDERGROUND STORAGE TANK AND ABOVEGROUND STORAGE TANK
GREY SITES NAS CECIL FIELD FL
12/1/1997
ABB ENVIRONMENTAL SERVICES INC

CONFIRMATORY SAMPLING REPORT
BUILDING 825, TANK G825LS
BASE REALIGNMENT AND CLOSURE
UNDERGROUND STORAGE TANK AND
ABOVEGROUND STORAGE TANK GREY SITES
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Unit Identification Code: N60200

Contract No.: N62467-89-D-0317/131

Prepared by:

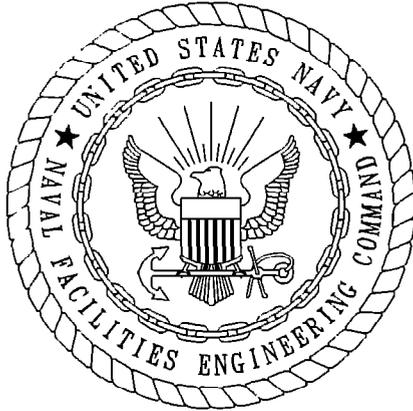
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December 1997



CERTIFICATION OF TECHNICAL
DATA CONFORMITY (MAY 1987)

The Contractor, ABB Environmental Services, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-89-D-0317/131 are complete and accurate and comply with all requirements of this contract.

DATE: December 2, 1997

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(DFAR 252.227-7036)

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Jacksonville, Florida

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GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
FAC	Florida Administrative Code
OVA	organic vapor analyzer
UST	underground storage tank

1.0 INTRODUCTION

ABB Environmental Services, Inc. (ABB-ES), under contract to the Southern Division, Naval Facilities Engineering Command, has completed the confirmatory sampling for Tank G825LS at Naval Air Station Cecil Field in Jacksonville, Florida. This report summarizes the related field operations, results, conclusions, and recommendations of the confirmatory sampling.

Tank G825LS is an underground storage tank (UST) located on the south side of Building 825 and east of Building 825LS. Building 825 is a hangar that houses four separate fighter squadrons, and Building 825LS is a lift station that receives wastewater from aircraft wash racks (ABB-ES, 1994) (Figure 1). The UST has a 250-gallon capacity and is used to store diesel for the lift station generator (ABB-ES, 1997). A Contamination Assessment Plan for the assessment of soil and groundwater at Tank G825LS was prepared by ABB-ES in November 1996 (ABB-ES, 1996).

2.0 FIELD INVESTIGATION

The confirmatory sampling at Tank G825LS was initiated in January 1997 and included

- the advancement of four soil borings to the water table and
- the collection and analysis of one groundwater sample.

Soil samples were collected at depth intervals of 1 foot below land surface and every 2 feet thereafter to the water table. These samples were screened for hydrocarbon vapors with an organic vapor analyzer (OVA).

One groundwater sample was collected on March 27, 1997, from a preexisting monitoring well CEF-825LS-1S located downgradient from the tank location, and analyzed for the Kerosene Analytical Group parameters. A general site plan indicating the location of the soil borings and monitoring well CEF-825LS-1S is presented as Figure 1. The monitoring well installation detail is included in Appendix A.

3.0 SCREENING AND ANALYTICAL RESULTS

Excessively contaminated soil was not detected in soil samples collected from the unsaturated zone during the confirmatory sampling. The soil OVA data collected during the confirmatory sampling are summarized in Table 1 and presented on Figure 1.

Contaminant concentrations in groundwater were below the regulatory standards specified in Chapter 62-770 of the Florida Administrative Code (FAC). The complete analytical data set is presented in Appendix B.

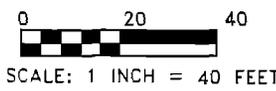
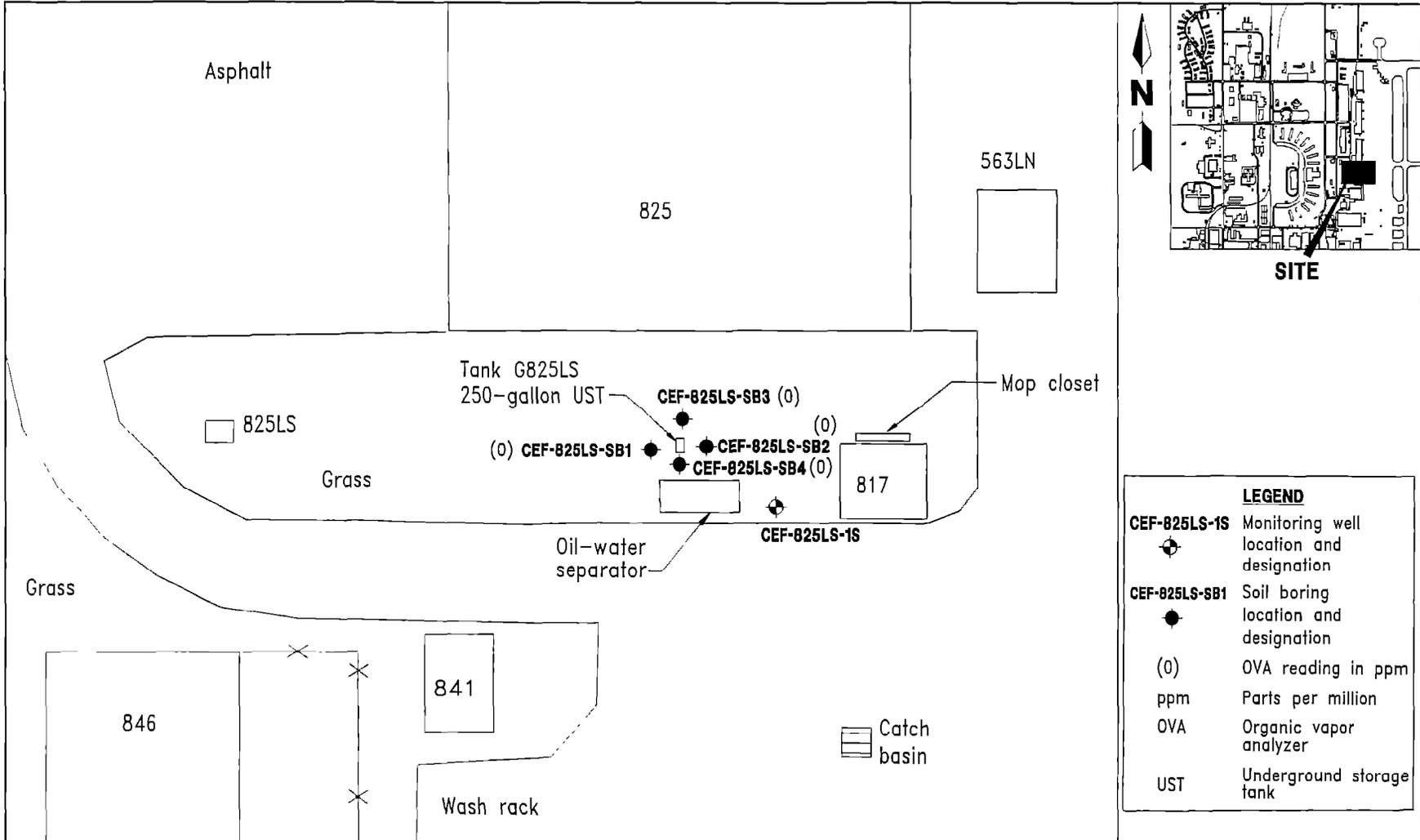
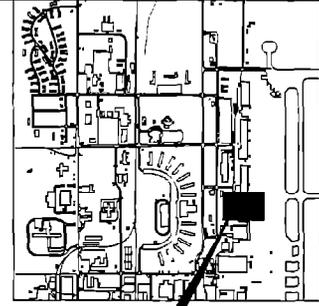


FIGURE 1
TANK G825LS
SOIL BORING AND MONITORING WELL
LOCATIONS



CONFIRMATORY SAMPLING REPORT
BUILDING 825, TANK G825LS
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA



SITE

**Table 1
Soil Screening Results**

Confirmatory Sampling Report
Building 825, Tank G825LS
Naval Air Station Cecil Field
Jacksonville, Florida

Location	OVA Concentration (ppm)			
	Depth (feet bls)	Unfiltered	Filtered	Actual
CEF-825LS-SB1	1	0	--	0
	3	0	--	0
	5	0	--	0
	7	0	--	0
	8.5 (wet)	0	--	0
CEF-825LS-SB2	1	0	--	0
	3	0	--	0
	5	0	--	0
	7 (moist)	0	--	0
CEF-825LS-SB3	1	0	--	0
	3	0	--	0
	5	0	--	0
	7 (moist)	0	--	0
CEF-825LS-SB4	1	0	--	0
	3	0	--	0
	5	0	--	0
	6 (refusal)	NC	--	NC

Notes: All soil samples were collected on January 16, 1997.
Monitoring well CEF-825LS-1S was installed on December 13, 1995.
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.
moist = soil sample was partially saturated when analyzed.
refusal = Obstruction encountered at this point. No further sampling performed.
NC = sample not collected due to subsurface obstruction.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Data obtained during the confirmatory sampling at the Tank G825LS site did not indicate the presence of contaminated soil. No contaminants were detected above regulatory standards specified in Chapter 62-770, FAC, in the groundwater sample collected from monitoring well GEF-825LS-1S. Therefore, no further action is recommended for the Tank G825LS site until proper tank removal and closure is performed.

REFERENCES

- ABB Environmental Services, Inc. (ABB-ES). 1994. *Base Realignment and Closure Environmental Baseline Survey Report, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOC), North Charleston, South Carolina (November).
- ABB-ES. 1996. *Contamination Assessment Plan, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOC, North Charleston, South Carolina (November).
- ABB-ES. 1997. *Base Realignment and Closure Tank Management Plan, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOC, North Charleston, South Carolina (January).

APPENDIX A
MONITORING WELL INSTALLATION DETAIL

Project: NAS Cecil Field BRAC		Well ID: CEF-825LS-IS	Boring ID: CEF-825LS-IS
Client: SOUTHDIYNAVAFACENGCOM		Contractor: Alliance Environmental, Inc.	Job No.: 08520-85
Northing/Easting:		Date started: 12-13-95	Compltd: 12-13-95
Method: Auger	Casing dia.: 2 in.	Screened Int.: 8 - 18 ft.	Protection level: D
TOC elev.: Ft.	Type of OVM: PID	Total dpth: 19.0Ft.	Dpth to ∇: 9.5 Ft.
ABB Rep.: R. Holloway		Well development date:	Site: 25 - 825LS Lift Station

Depth Ft.	Laboratory Sample ID.	Sample Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/8-in.	Well diag.
5.1				SILTY SAND (SM): 100%, brown, quartz, fine- to very fine-grained, subrounded to subangular, well sorted.		SM	posthole	
0.7			posthole					
7.2			1,1,1,2					
13			1,1,1					
44							1,1,1	∇
10								
15								
20								
25								
30								

APPENDIX B
GROUNDWATER ANALYTICAL DATA

NAS CECIL FIELD -- TANK G825LS
 UST GREY ANALYTICAL PARAMETERS -- REPORT NO. 9513

Lab Sample Number:	B7C2901230	B7C2901230
Site	BRACGREY	BRACGREY
Locator	CEF825LS1S	CEF825LS1S
Collect Date:	28-MAR-97	28-MAR-97
	VALUE QUAL UNITS DL	VALUE QUAL UNITS DL

BRACGREY ANALYTICAL 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 U	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 U	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 G825LS
 UST GREY ANALYTICAL PARAMETERS -- REPORT NO. 9513

Lab Sample Number: B7C2901230
 Site BRACGREY
 Locator CEF825LS1S
 Collect Date: 28-MAR-97

B7C2901230
 BRACGREY
 CEF825LS1S
 28-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