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NAS CECIL FIELD, FL
5090.3a

CONFIRMATORY SAMPLING REPORT FOR BUILDING 80 TANK 80-OW4 BASE
REALIGNMENT AND CLOSURE UNDERGROUND STORAGE TANK AND ABOVEGROUND
STORAGE TANK GREY SITES NAS CECIL FIELD FL
11/1/1997
ABB ENVIRONMENTAL SERVICES INC

CONFIRMATORY SAMPLING REPORT
BUILDING 80, TANK 80-OW4
BASE REALIGNMENT AND CLOSURE
UNDERGROUND STORAGE TANK AND
ABOVEGROUND STORAGE TANK GREY SITES
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Unit Identification Code: N60200

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November 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: November 18, 1997

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TABLE OF CONTENTS

Confirmatory Sampling Report
Building 80, Tank 80-OW4
Naval Air Station Cecil Field
Jacksonville, Florida

<u>Chapter</u>	<u>Title</u>	<u>Page No.</u>
1.0	INTRODUCTION	1
2.0	FIELD INVESTIGATION	1
3.0	SCREENING AND ANALYTICAL RESULTS	1
4.0	CONCLUSIONS AND RECOMMENDATIONS	5

REFERENCES

APPENDICES

- Appendix A: Monitoring Well Installation Detail
- Appendix B: Groundwater Analytical Data

LIST OF FIGURES

Confirmatory Sampling Report
Building 80, Tank 80-OW4
Naval Air Station Cecil Field
Jacksonville, Florida

<u>Figure</u>	<u>Title</u>	<u>Page No.</u>
1	Tank 80-OW4, Transportation and Fuel Management Compound	2
2	Tank 80-OW4, Soil Boring and Monitoring Well Locations	3

LIST OF TABLES

<u>Table</u>	<u>Title</u>	<u>Page No.</u>
1	Soil Screening Results	4

GLOSSARY

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

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 the oil-water separator, 80-OW4, 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 80-OW4 is an oil-water separator located south of Building 80, which originally served as an automotive maintenance and repair shop (Figure 1). The separator has a 1,000-gallon capacity and is used to separate and store waste oil (ABB-ES, 1997). A Contamination Assessment Plan for the assessment of soil and groundwater at Building 80 was prepared by ABB-ES in November 1996 (ABB-ES, 1996).

2.0 FIELD INVESTIGATION

The confirmatory sampling for Tank 80-OW4 was initiated in February 1997. It included

- the advancement of four soil borings to the water table and
- the collection and analysis of one groundwater sample from a nearby monitoring well.

Soil samples were collected from each boring 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).

Monitoring well CEF-80-4S was installed southeast of the Tank 80-OW4 under the Base Realignment and Closure program. One groundwater sample was collected from this well and analyzed for the Kerosene Analytical Group parameters. A general site plan indicating the location of the soil borings and the monitoring well is presented on Figure 2. The monitoring well construction is presented as Appendix A.

3.0 SCREENING AND ANALYTICAL RESULTS

Excessively contaminated soil (greater than 50 parts per million on an OVA) was not detected during the confirmatory sampling. The soil OVA data are summarized in Table 1 and presented on Figure 2.

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

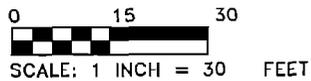
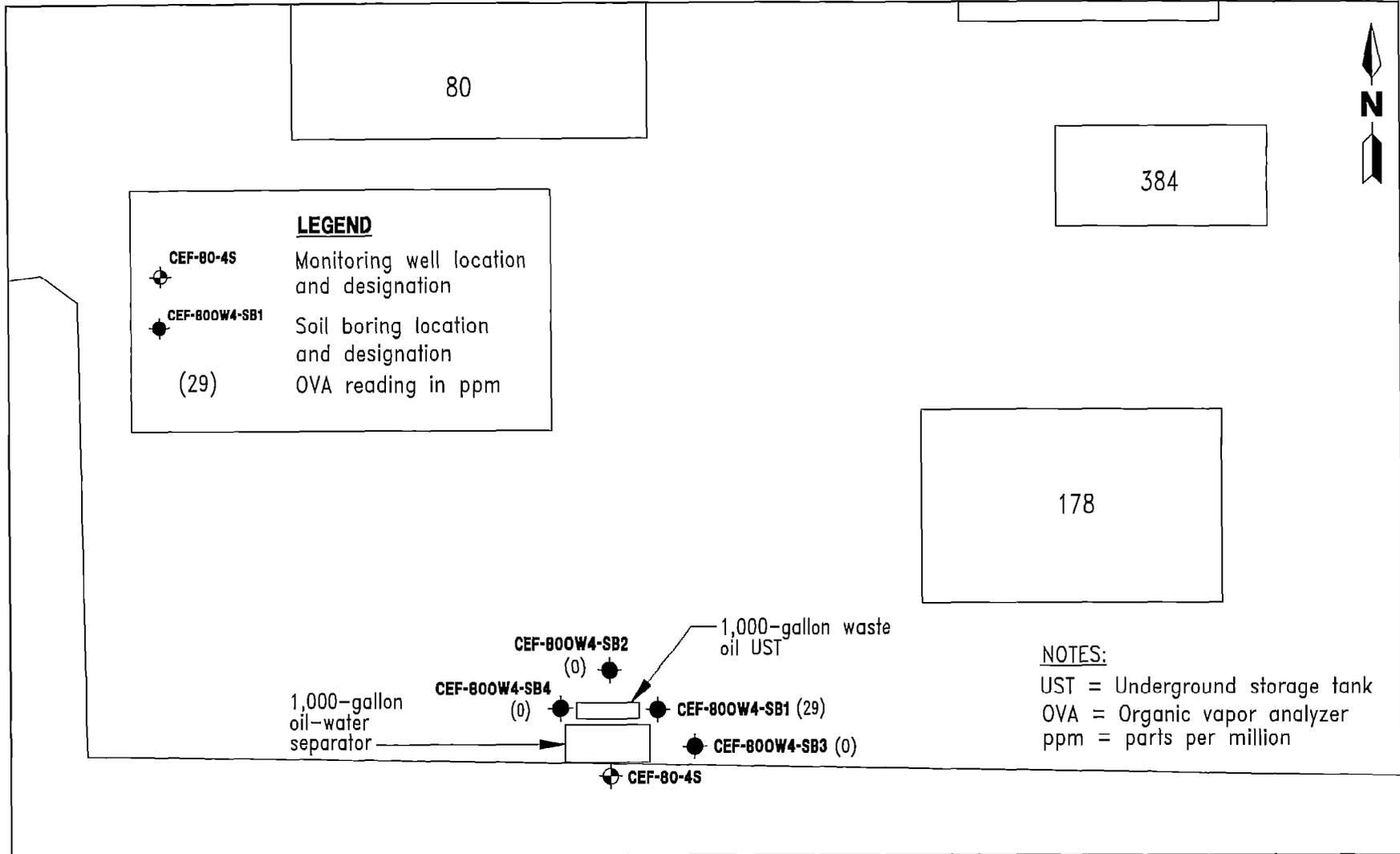
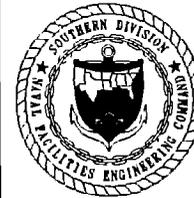


FIGURE 2
TANK 80-OW4
SOIL BORING AND MONITORING WELL LOCATIONS



CONFIRMATORY SAMPLING REPORT
BUILDING 80, TANK 80-OW4
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

**Table 1
Soil Screening Results**

Confirmatory Sampling Report
Building 80, Tank 80-OW4
Naval Air Station Cecil Field
Jacksonville, Florida

Location	OVA Concentration (ppm)			
	Depth (feet bls)	Unfiltered	Filtered	Actual
CEF-80OW4-SB1	1	0	--	0
	3	29	0	29
	4.5 (moist)	21	0	21
CEF-80OW4-SB2	1	0	--	0
	3	0	--	0
	5 (wet)	0	--	0
CEF-80OW4-SB3	1	0	--	0
	3	0	--	0
	4 (refusal)			
CEF-80OW4-SB4	1	0	--	0
	2.5 (refusal)	0	--	0

Notes: All soil samples were collected on February 5, 1997.
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.

moist = soil sample was partially saturated when analyzed.

wet = soil sample was completely saturated when analyzed.

refusal = subsurface obstruction encountered during boring advancement; no further samples collected at this location.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Data obtained during the confirmatory sampling at the Tank 80-OW4 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 CEF-80-1S. Therefore, no further action is recommended for the Tank 80-OW4 site until proper tank closure and removal is performed.

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

APPENDIX A
MONITORING WELL INSTALLATION DETAIL

TITLE: NAS Cecil Field		LOG of WELL: CEF-80-4S	BORING NO. CEF-80-4S
CLIENT: SOUTHDIVNAVFACENGCOM			PROJECT NO: 8520-85
CONTRACTOR: Alliance Environmental, Inc.		DATE STARTED: 10-23-96	COMPLTD: 10-23-96
METHOD: 6.25" HSA	CASE SIZE: 2"	SCREEN INT.: 5-15	PROTECTION LEVEL: D
TOC ELEV.: FEET.	MONITOR INST.: FID	TOT DPTH: 16 FEET.	DPTH TO ∇ 7 FEET.
LOGGED BY: R Holloway	WELL DEVELOPMENT DATE: 10-23-96		SITE: 87 - 80 Transportation Bldg.

DEPTH F.T.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/6-IN	WELL DATA
0					SILTY SAND (SM): 100%, quartz, light gray, fine to very fine-grained sub-angular to sub-rounded.		SM	posthole	
0								posthole	
5			100%	0	CLAYEY SAND (SC): 100%, quartz, light gray, very fine-grained, sub-angular to sub-rounded, moist, iron-oxide staining present.		SC	1,6,7,9	
			100%	3.6	SILTY SAND (SM): 100%, quartz, light gray, fine-to very fine-grained, sub-angular to sub-rounded.		SM	5,8,9,12	
10									
15									

APPENDIX B
GROUNDWATER ANALYTICAL DATA

NAS CECIL FIELD -- TANK 80-0W4
 UST GREY ANALYTICAL PARAMETERS -- REPORT NO. 9413

Lab Sample Number:	B7C2201010	B7C2201010
Site	BRACGREY	BRACGREY
Locator	CEF804S	CEF804S
Collect Date:	20-MAR-97	20-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	10 U	ug/l	10	-
1,3-Dichlorobenzene	10 U	ug/l	10	-
1,4-Dichlorobenzene	10 U	ug/l	10	-
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	10 U	ug/l	10	-
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	10 U	ug/l	10	-
Benzo (k) fluoranthene	10 U	ug/l	10	-
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	10 U	ug/l	10	-
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	10 U	ug/l	10	-
Fluorene	10 U	ug/l	10	-
Indeno (1,2,3-cd) pyrene	10 U	ug/l	10	-
Lead	5 U	ug/l	5	-
Methyl tert-butyl ether	1 U	ug/l	1	-
Methylene chloride	1 U	ug/l	1	-
Naphthalene	10 U	ug/l	10	-
Phenanthrene	2 U	ug/l	2	-
Pyrene	10 U	ug/l	10	-
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 80-OW4
 UST GREY ANALYTICAL PARAMETERS -- REPORT NO. 9413

Lab Sample Number:	B7C2201010	B7C2201010
Site	BRACGREY	BRACGREY
Locator	CEF804S	CEF804S
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