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NAS CECIL FIELD, FL
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CONFIRMATORY SAMPLING REPORT BUILDING 842 TANK G842B 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 842, TANK G842B
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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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 1, 1997

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(DFAR 252.227-7036)

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GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
bls	below land surface
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 G842B 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 G842B is an underground storage tank (UST) located at Building 842, which is located at the intersection of the runways and is used to house transmitters and receivers for guiding aircraft (Figure 1) (ABB-ES, 1994). The UST, which was installed in 1985, has a 550-gallon capacity and is used to store diesel fuel for a generator (ABB-ES, 1994). A Contamination Assessment Plan for the assessment of soil and groundwater at Tank G842B was prepared by ABB-ES in November 1996 (ABB-ES, 1996).

2.0 FIELD INVESTIGATION

The confirmatory sampling of Tank G842B was initiated in January 1997 and included the advancement of four soil borings to the water table. Soil samples were collected at depth intervals of 1 foot below land surface (bls) and every 2 feet thereafter to the water table and screened for hydrocarbon vapors with an organic vapor analyzer (OVA). A general site plan indicating the location of the soil borings is presented on Figure 2.

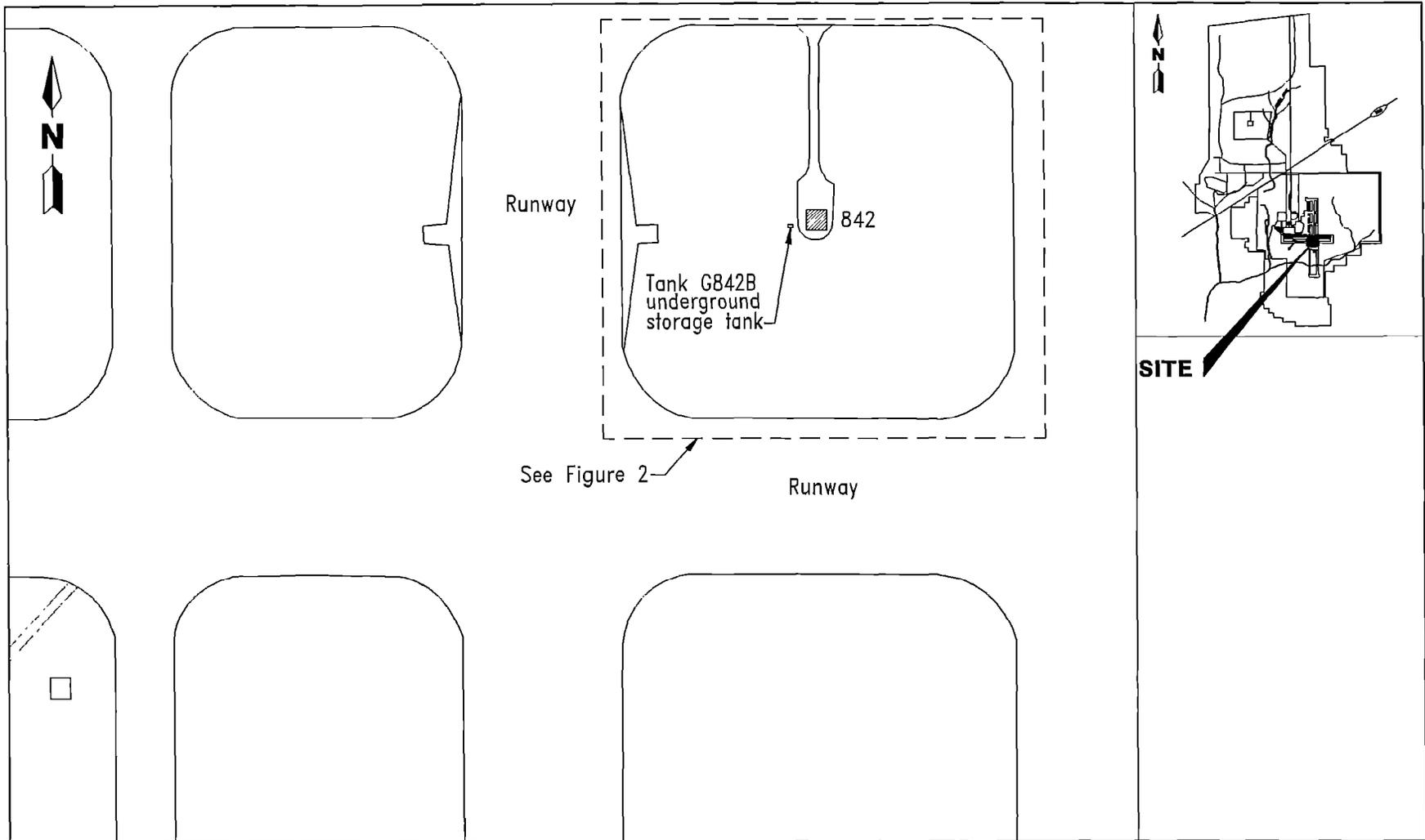
3.0 SCREENING AND ANALYTICAL RESULTS

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 2.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Data obtained during the confirmatory sampling at the Tank 842B site did not indicate the presence of excessively contaminated soil.

No groundwater data were collected at the Tank G842B site. Therefore, it is recommended that a monitoring well be installed at the tank location and sampled and analyzed for the Kerosene Analytical Group parameters.



0 100 200
SCALE: 1 INCH = 200 FEET

**FIGURE 1
TANK G842B
RADAR FACILITY**



**CONFIRMATORY SAMPLING REPORT
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**NAVAL AIR STATION CECIL FIELD
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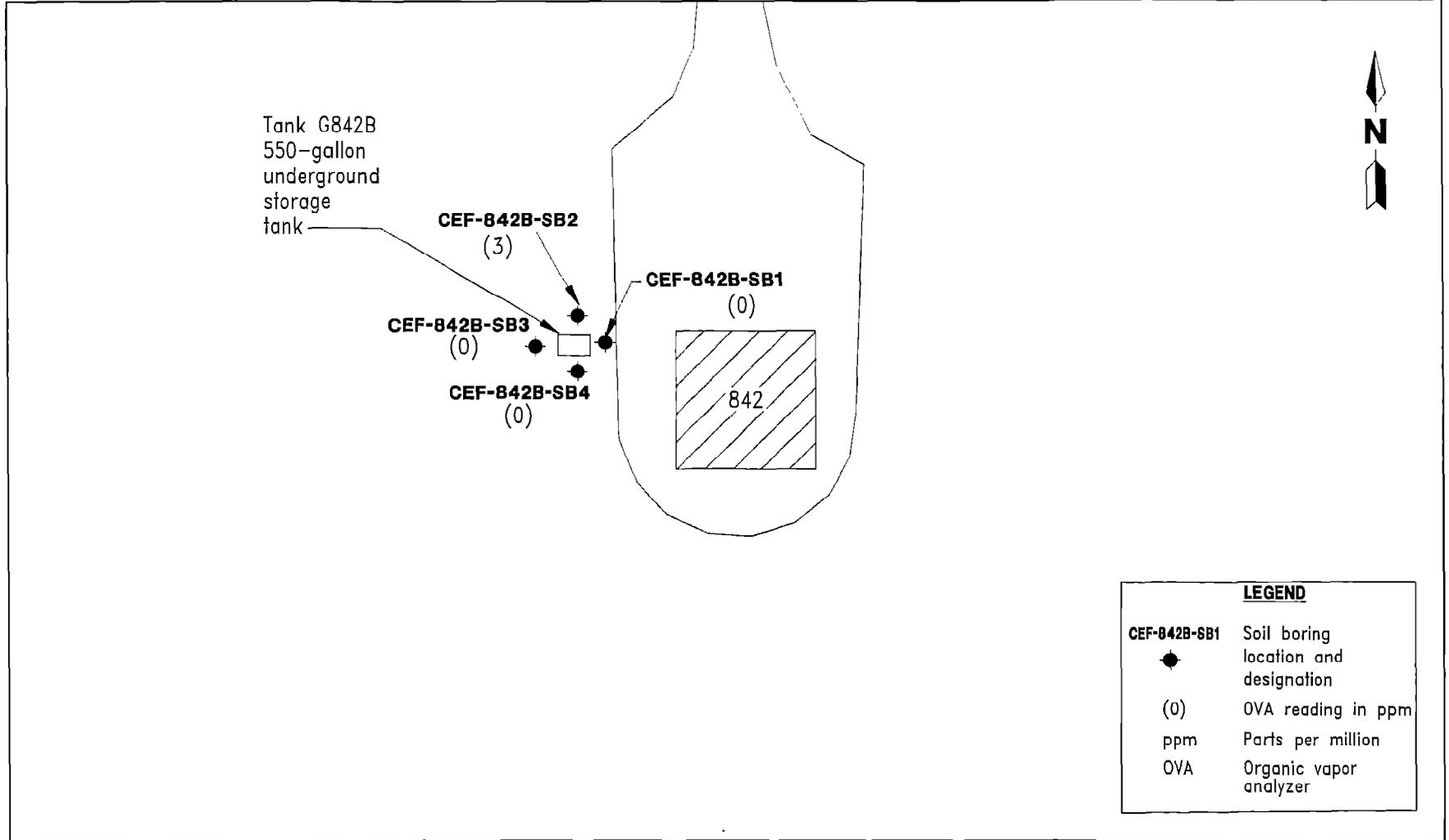


FIGURE 2
TANK G842B
SOIL BORING LOCATIONS



CONFIRMATORY SAMPLING REPORT
BUILDING 842, TANK G842B

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

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**Table 1
Soil Screening Results**

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Location	OVA Concentration (ppm)			
	Depth (feet bls)	Unfiltered	Filtered	Actual
CEF-842B-SB1	1	0	--	0
	3	0	--	0
	5	0	--	0
	7	0	--	0
	9	0	--	0
	10.5	0	--	0
	11	0	--	0
CEF-842B-SB2	1	0	--	0
	3	0	--	0
	5	0	--	0
	7 (moist)	0	--	0
	9 (moist)	3	0	3
CEF-842B-SB3	1	0	--	0
	3	0	--	0
	5	0	--	0
	7	0	--	0
	8 (wet)	10	0	10
CEF-842B-SB4	1	0	--	0
	3	0	--	0
	5	0	--	0
	7	0	--	0
	9	0	--	0
	10 (wet)	0	--	0

Notes: All soil samples were collected on January 29, 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.

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 (SOUTHNAVFACENGCOM), North Charleston, South Carolina (November).

ABB-ES. 1996. *Contamination Assessment Plan, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOM, North Charleston, South Carolina (January).