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NAS CECIL FIELD, FL  
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CONFIRMATORY SAMPLING REPORT FOR BUILDING 222 TANK G222LS 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 222, TANK G222LS**  
**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:**

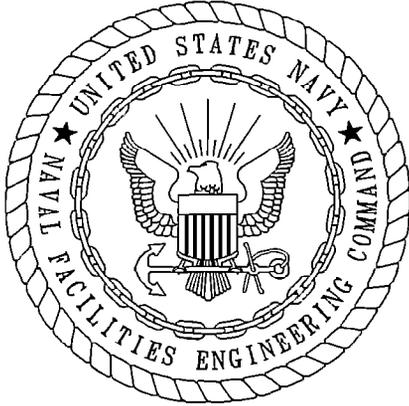
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**Prepared for:**

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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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## GLOSSARY

ABB-ES      ABB Environmental Services, Inc.  
AST          aboveground storage tank

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 Tank G222LS 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 G222LS is an aboveground storage tank (AST) located on the south side of Building 222LS. Building 222LS is a lift station that houses electric and diesel powered pumps (ABB-ES, 1994) (Figure 1). The AST, which was installed in 1981, is located on a bermed concrete containment structure attached to the southeastern corner of the building. It has a 150-gallon capacity and is used to store diesel fuel for the lift station pumps (ABB-ES, 1994). A Contamination Assessment Plan for the assessment of soil and groundwater at Tank G222LS was prepared by ABB-ES in November 1996 (ABB-ES, 1996).

## 2.0 FIELD INVESTIGATION

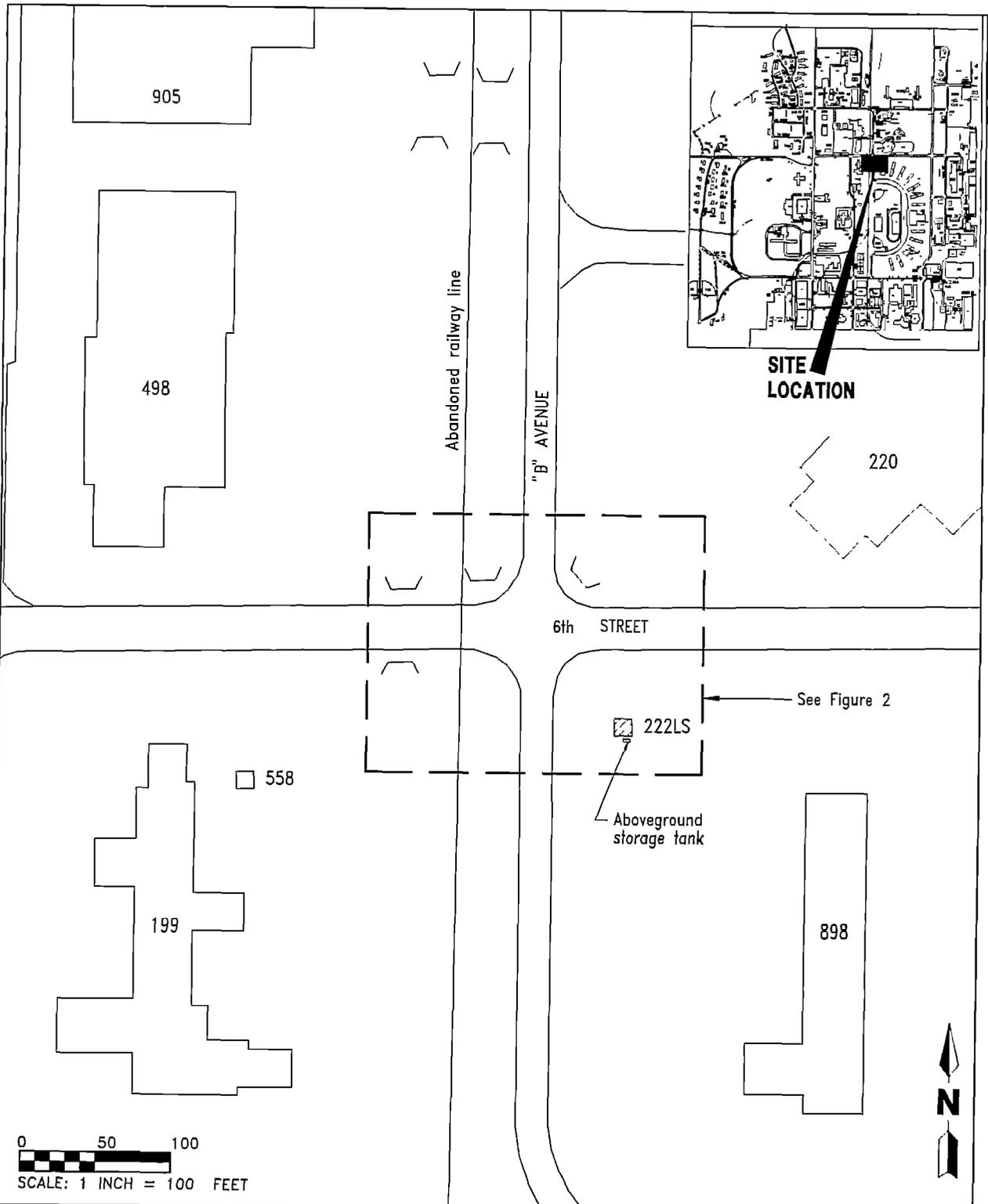
The confirmatory sampling at Tank G222LS was initiated in January 1997 and included the advancement of three soil borings to the water table. Soil samples were collected at depth intervals of 1 foot below land surface and every 2 feet thereafter to the water table. These samples were screened for hydrocarbon vapors with an organic vapor analyzer (OVA). A general site plan indicating the location of the soil borings is presented as 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 G222LS site did not indicate the presence of contaminated soil. Because Tank G222LS is an AST with secondary containment, and no contaminated soil was detected, no monitoring well was installed at the site. Therefore, no further action is recommended for the Tank G222LS site until proper tank removal and closure.



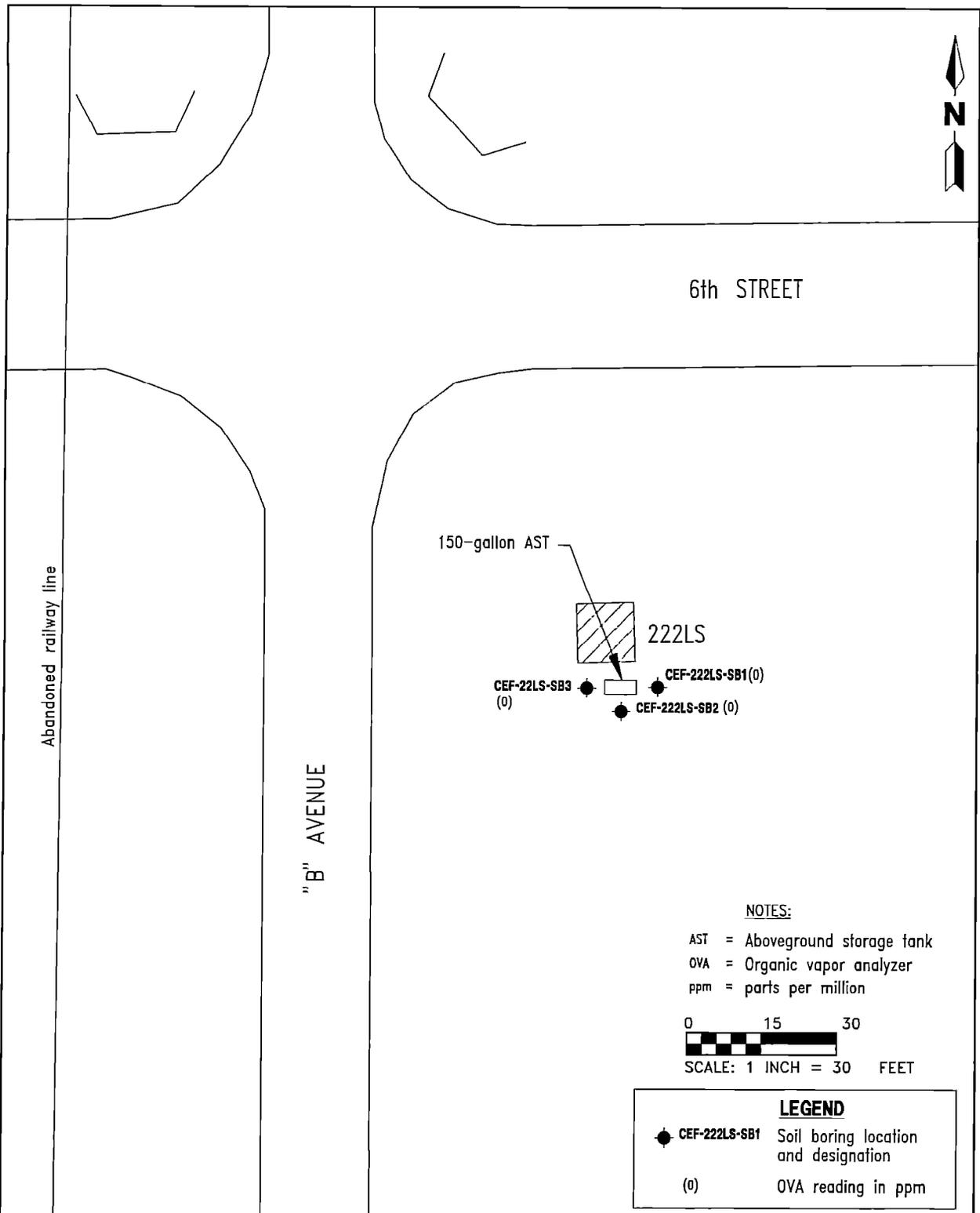
**FIGURE 1**  
**TANK G222LS**



**CONFIRMATORY SAMPLING REPORT**  
**BUILDING 222LS, TANK G222LS**

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

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**FIGURE 2  
TANK G222LS  
SOIL BORING LOCATIONS**



**CONFIRMATORY SAMPLING REPORT  
BUILDING 222LS, TANK G222LS**

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

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**Table 1  
Soil Screening Results**

Confirmatory Sampling Report  
Building 222LS, Tank G222LS  
Naval Air Station Cecil Field  
Jacksonville, Florida

Location	OVA Concentration (ppm)			
	Depth (feet bls)	Unfiltered	Filtered	Actual
CEF-222LS-SB1	1	0	--	0
	3	0	--	0
	5	0	--	0
	7 (wet)	0	--	0
CEF-222LS-SB2	1	0	--	0
	3	0	--	0
	5	0	--	0
	7 (wet)	0	--	0
CEF-222LS-SB3	1	0	--	0
	3	0	--	0
	5	0	--	0
	7	0	--	0

Notes: All soil samples were collected on January 30, 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.  
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 (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).