

N60200.AR.000830
NAS CECIL FIELD, FL
5090.3a

SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 288 BASE REALIGNMENT AND
CLOSURE ZONE B DEVELOPED NON-INDUSTRIAL AREA GROUP 7 NAS CECIL FIELD FL
3/1/1996
ABB ENVIRONMENTAL SERVICES INC

**SAMPLING AND ANALYSIS OUTLINE
BUILDING 288
BASE REALIGNMENT AND CLOSURE**

**ZONE B, DEVELOPED NONINDUSTRIAL AREA
GROUP VII**

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

Unit Identification No. N60200

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

Prepared by:

**ABB Environmental Services, Inc.
2590 Executive Center Circle, East
Tallahassee, Florida 32301**

Prepared for:

**Department of the Navy, Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29419**

Steve Wilson, Code 18B9, BRAC Environmental Coordinator

March 1996

TABLE OF CONTENTS

Sampling and Analysis Outline
Building 288
Base Realignment and Closure
Zone B, Developed Nonindustrial Area Group VII
Naval Air Station Cecil Field
Jacksonville, Florida

<u>Chapter</u>	<u>Title</u>	<u>Page No.</u>
1.0	SITE DESCRIPTION	1
2.0	ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION	1
3.0	RECOMMENDATIONS	1
3.1	SURFACE SOIL	2
3.2	GROUNDWATER	3
4.0	SELECTED REFERENCES	3

LIST OF FIGURES

<u>Figure</u>	<u>Title</u>	<u>Page No.</u>
1	Building 288 Emergency Management Training Building	2

GLOSSARY

ABB-ES ABB Environmental Services, Inc.

BCT BRAC Cleanup Team
BRAC Base Realignment and Closure

EBS Environmental Baseline Survey

1.0 SITE DESCRIPTION

This Base Realignment and Closure (BRAC) Phase II Sampling and Analysis Outline briefly describes and proposes a plan for assessment of Building 288 at Naval Air Station Cecil Field. Building 288 is located near the north end of J Avenue, approximately 500 feet south of Perimeter Road (Figure 1). The facility is referred to as the Emergency Management Training Building in the Environmental Baseline Survey (EBS) Report (ABB Environmental Services, Inc. [ABB-ES], 1994). The facility was used as a radio transmitting facility from 1954 to 1979, and is presently being used for general storage.

2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

No environmental concerns were noted for Building 288 in the EBS Report, and the facility was color-coded White. However, a septic system was observed on the east side of the building during a walkover reconnaissance visit by ABB-ES on August 9, 1995. The BRAC cleanup team (BCT) regards septic tank and leachfield systems as potential pathways for contaminants to enter the groundwater, if improperly used. An area of unusual stained soil and stressed vegetation was also observed during this site visit, in a cleared area approximately 400 feet west of Building 288. The stained soil and stressed vegetation surround the foundation to an old wooden antenna mast.

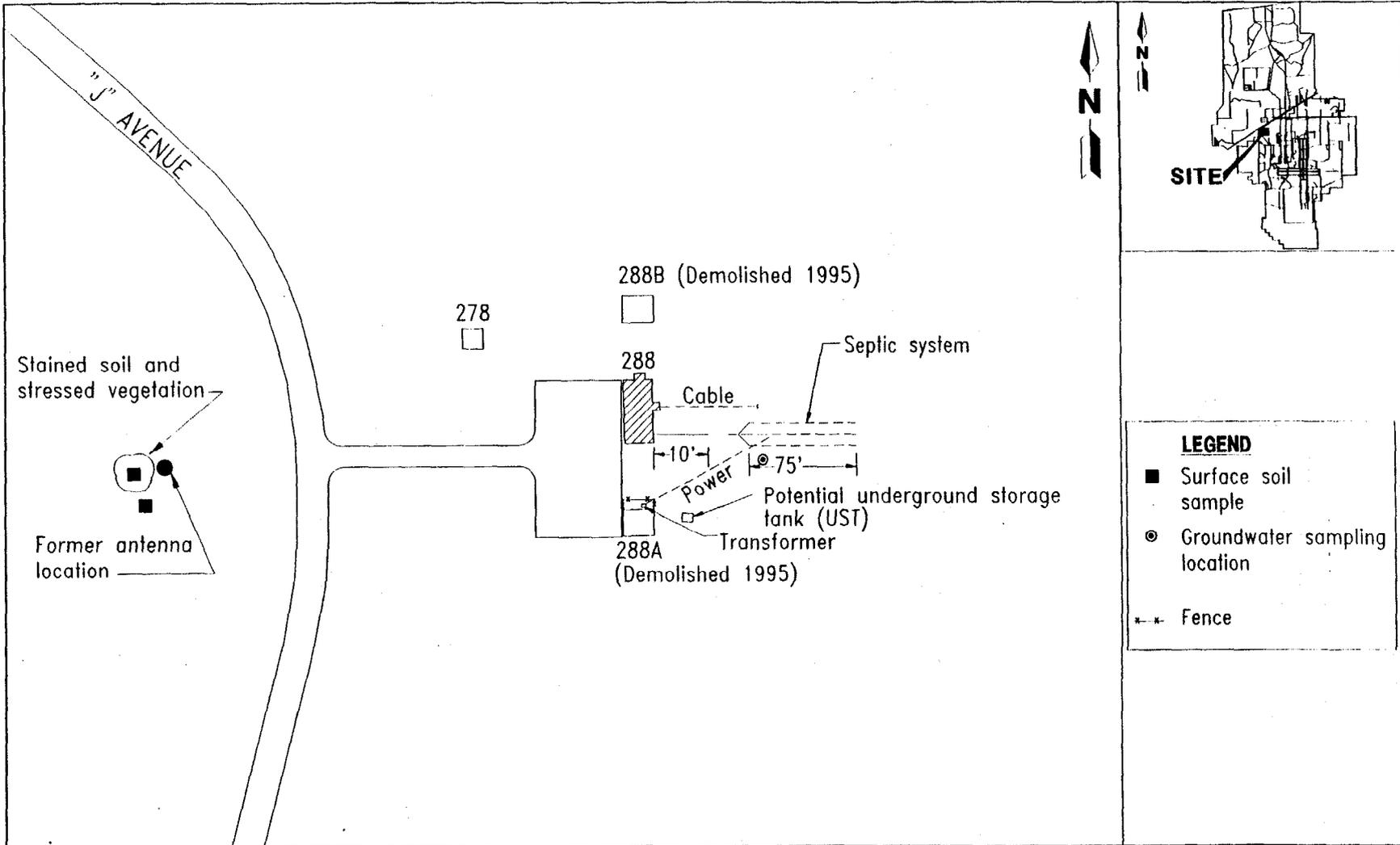
3.0 RECOMMENDATIONS

A Phase II Sampling and Analysis program is recommended to assess whether or not groundwater has been affected by releases from the septic system and to determine the cause of the stained soil and stressed vegetation at the antenna mast.

Analytical results, a contamination assessment, and recommendations for reclassification of the property will be reported in a draft Site Summary report for Building 288. The project team will seek concurrence from the BCT before completing and submitting a final Site Summary report.

The recommended data quality objective for the Phase II Sampling and Analysis program is Level III, to meet the potential need for input to a preliminary risk evaluation, if required. Sample collection techniques, quality assurance objectives, quality control requirements, and sample handling and shipping procedures are outlined in the BRAC Project Operations Plan (ABB-ES, 1994b). Analysis for the full Contract Laboratory program suite of target compound list organics and target analyte list inorganics is recommended. Proposed sample locations are shown on Figure 1.

3.1 SURFACE SOIL. Surface soil samples will be collected at an interval of 0 to 1 foot below land surface. One sample will be collected within the central area of stained soil and stressed vegetation surrounding the former antenna mast. A second surface soil sample will be collected from the area beyond the stained soil and stressed vegetation. The surface soil in each of the respective areas will be evaluated based upon the results of these analyses.



0 50 100
SCALE: 1 INCH = 100 FEET

FIGURE 1
BUILDING 288
EMERGENCY MANAGEMENT TRAINING BUILDING



**GROUP VII SAMPLING AND
ANALYSIS OUTLINE**

**NAS CECIL FIELD
JACKSONVILLE, FLORIDA**

3.2 GROUNDWATER. A groundwater monitoring well will be installed downgradient of the septic system. One groundwater sample will be collected and analyzed to evaluate whether groundwater has been affected by releases from the septic system.

4.0 SELECTED REFERENCES

ABB Environmental Services, Inc. (ABB-ES), 1994a, Base Realignment and Closure Environmental Baseline Survey Report, Naval Air Station (NAS) Cecil Field, Jacksonville, Florida: prepared for Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM), November.

ABB-ES, 1994b, Project Operations Plan for Cecil Field and Health and Safety Plan: prepared for SOUTHNAVFACENGCOM, December.

ABB-ES, in press, Base Realignment and Closure Tank Management Plan for NAS Cecil Field, Jacksonville, Florida: prepared for SOUTHNAVFACENGCOM.