

N60200.AR.000849  
NAS CECIL FIELD, FL  
5090.3a

SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 616 BASE REALIGNMENT AND  
CLOSURE ZONE A YELLOW WATER WEAPONS COMPOUND GROUP 7 NAS CECIL FIELD  
FL  
3/1/1996  
ABB ENVIRONMENTAL SERVICES INC

**SAMPLING AND ANALYSIS OUTLINE  
BUILDING 616  
BASE REALIGNMENT AND CLOSURE**

**ZONE A, YELLOW WATER WEAPONS COMPOUND  
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 616  
Base Realignment and Closure  
Zone A, Yellow Water Weapons Compound, 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 . . . . .	1
3.2	OTHER COMPLIANCE ISSUES . . . . .	3
4.0	SELECTED REFERENCES . . . . .	3

LIST OF FIGURES

<u>Figure</u>	<u>Title</u>	<u>Page No.</u>
1	Building 616 Standby Generator Building . . . . .	2

GLOSSARY

ABB-ES            ABB Environmental Services, Inc.  
BRAC             Base Realignment and Closure  
EBS              Environmental Baseline Survey  
NAS              Naval Air Station  
PCB              polychlorinated biphenyl  
UST              underground storage tank

## 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 616 at Naval Air Station (NAS) Cecil Field. Building 616 is a Standby Generator Building, located at the northwest corner of the intersection of East Perimeter Road and Warehouse Road, in the Yellow Water Weapons Compound (Figure 1).

## 2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 616 was color coded Grey in the Environmental Baseline Survey (EBS) Report (ABB Environmental Services, Inc. [ABB-ES], 1994) because of a 5,000-gallon diesel fuel underground storage tank (UST) associated with the building. Stained soil and stressed vegetation were observed around the UST fill pipe during the EBS and subsequent walkovers. The EBS Report also documents the presence of friable asbestos in the building.

During an ABB-ES site reconnaissance walkover in August 1995, stained soil and stressed vegetation were also observed beneath a pipe protruding from the north wall of the building. This pipe is connected to the oil pans of the diesel engines within the building and is likely used for filling and/or draining the oil pans.

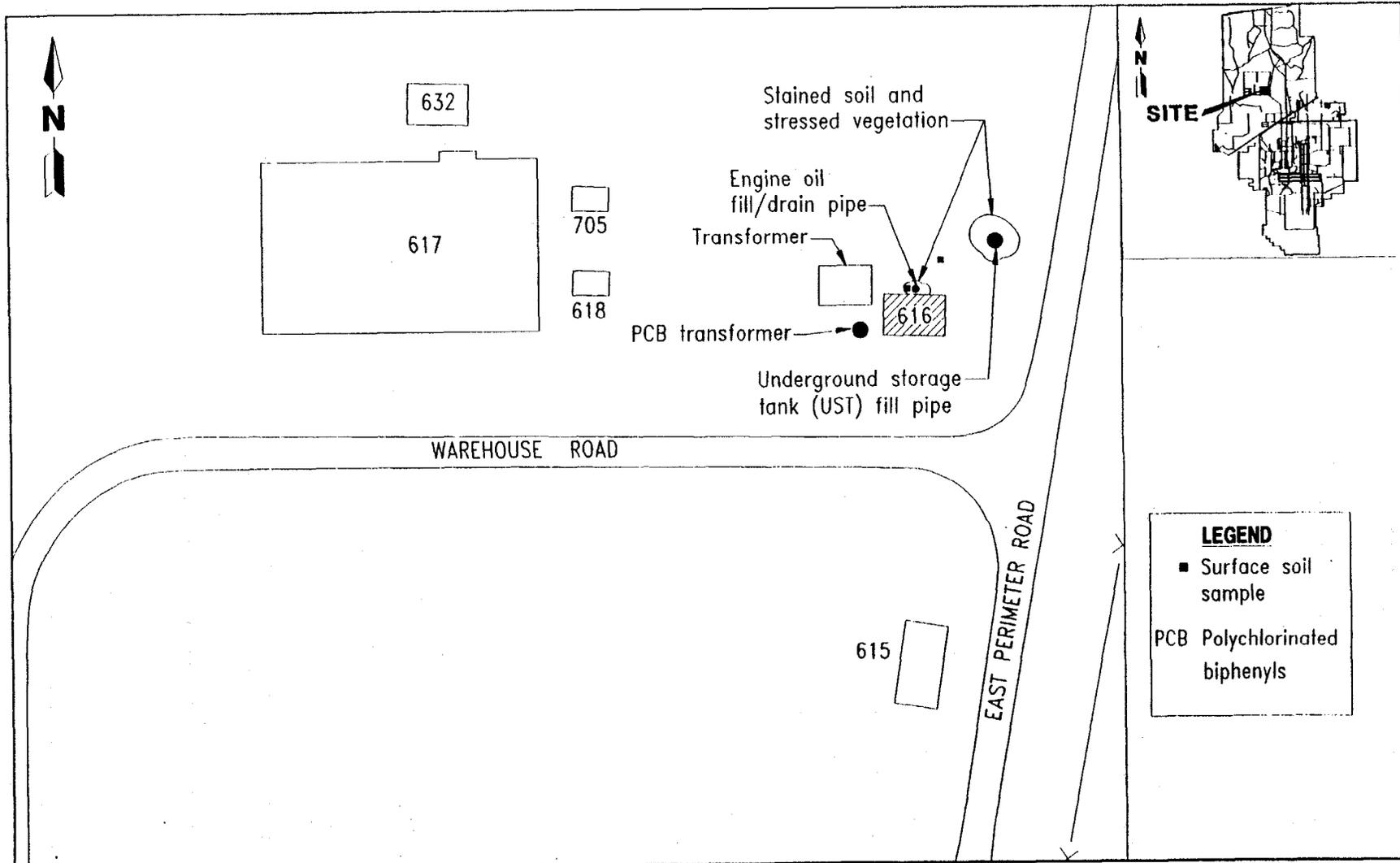
A polychlorinated biphenyl (PCB)-contaminated pole-mounted transformer is located southwest of Building 616. No visible indications of dielectric fluid leakage were noted during the EBS or subsequent site walkovers.

## 3.0 RECOMMENDATIONS

A Phase II Sampling and Analysis program is recommended to assess whether release of oil or waste oil has affected surface soil in the area beneath the oil fill and drain pipe on the north side of the building. Analytical results, a contamination assessment, and recommendations for reclassification of the property will be reported in a draft Site Summary report. The project team will seek concurrence from the BRAC cleanup team before 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). 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 from within the area of stressed vegetation and stained soil. An additional sample will be collected from



0 50 100  
SCALE: 1 INCH = 100 FEET

**FIGURE 1**  
**BUILDING 616**  
**STANDBY GENERATOR BUILDING**



**GROUP VII SAMPLING AND  
ANALYSIS OUTLINE**

**NAS CECIL FIELD  
JACKSONVILLE, FLORIDA**

the surface soil outside of the visibly affected area. The soil samples will be analyzed for total petroleum hydrocarbons and target analyte list inorganics.

3.2 OTHER COMPLIANCE ISSUES. Potential environmental concerns associated with the diesel fuel UST will be addressed separately by the Tank Management Plan. The Asbestos Management Plan (ABB-ES, 1995a) recommends removal of asbestos-containing materials, or development and implementation of an operations and maintenance plan. Management of PCB-contaminated electrical equipment is being coordinated through NAS Cecil Field Environmental Department. No other concerns were identified in the EBS Report or during subsequent site walkovers.

#### 4.0 SELECTED REFERENCES

ABB Environmental Services, Inc. (ABB-ES), 1994a. Base Realignment and Closure Environmental Baseline Survey Report, Naval Air Station 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, 1995a, Asbestos Management Plan, NAS Cecil Field, Jacksonville, Florida: prepared for SOUTHNAVFACENGCOM, October.

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