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NAS CECIL FIELD, FL  
5090.3a

SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 88 BASE REALIGNMENT AND  
CLOSURE ZONE C DEVELOPED NON-INDUSTRIAL AREA GROUP 5 NAS CECIL FIELD FL  
7/1/1995  
ABB ENVIRONMENTAL SERVICES INC

**SAMPLING AND ANALYSIS OUTLINE**  
**BUILDING 88**  
**BASE REALIGNMENT AND CLOSURE**  
**ZONE C, DEVELOPED NONINDUSTRIAL AREA**  
**GROUP V**  
**NAVAL AIR STATION CECIL FIELD**  
**JACKSONVILLE, FLORIDA**

**Unit Identification No. N60200**  
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GLOSSARY OF TERMS AND ABBREVIATIONS

ABB-ES	ABB Environmental Services, Inc.
BRAC	Base Realignment and Closure
EBS	Environmental Baseline Survey
NAS	Naval Air Station
PCB	polychlorinated biphenyl
ppm	parts per million

## 1.0 SITE DESCRIPTION

The Base Realignment and Closure (BRAC) Program Phase II Sampling and Analysis Outline briefly describes and proposes a recommendation for Building 88 located on B Circle at Naval Air Station (NAS) Cecil Field. It is referenced in the Environmental Baseline Survey (EBS) (ABB Environmental Services, Inc. [ABB-ES], 1994a) as the Bachelor Enlisted Quarters.

Building 88 is part of a group of 12 other barracks and a general mess hall. The facility is used as a barracks for enlisted and restricted or legal personnel and holds a maximum of 83 occupants. A transformer containing PCBs was located at the southern side of the building for 32 years, until removal in 1993.

## 2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 88 was color-coded Grey during the EBS because the PCB content of dielectric fluid in a former transformer was unknown and the reason for the removal of the transformer in 1993 was unknown. Mr. Woodrow (electrician with NASCF Staff Civil Engineering for the last 30 years) indicated that this transformer (and several others on the base, including two other in the same barracks complex) was replaced because of insufficient capacity (it could no longer serve the needs of the building). He also indicated that the former transformer did have a polychlorinated biphenyl (PCB) content of greater than 50 parts per million (ppm), but was not known to have leaked. The former transformer was located on a bermed concrete pad with another piece of electrical equipment. The replacement transformer is non-PCB.

## 3.0 RECOMMENDATIONS

Because the transformer is known to have contained PCBs at a concentration greater than 50 ppm, the potential presence of PCBs within the secondary containment should be evaluated. To determine the presence or absence of PCBs in surface soil below the leaking oil switch, completion of the following sampling program is proposed.

The recommended data quality objective is Level II to simply determine the presence or absence of PCBs. Sample collection techniques are outlined in the BRAC Project Operations Plan (ABB-ES, 1994b). The analysis will be completed in accordance with the manufacturer specifications. The proposed sampling location is shown in Figure 1.

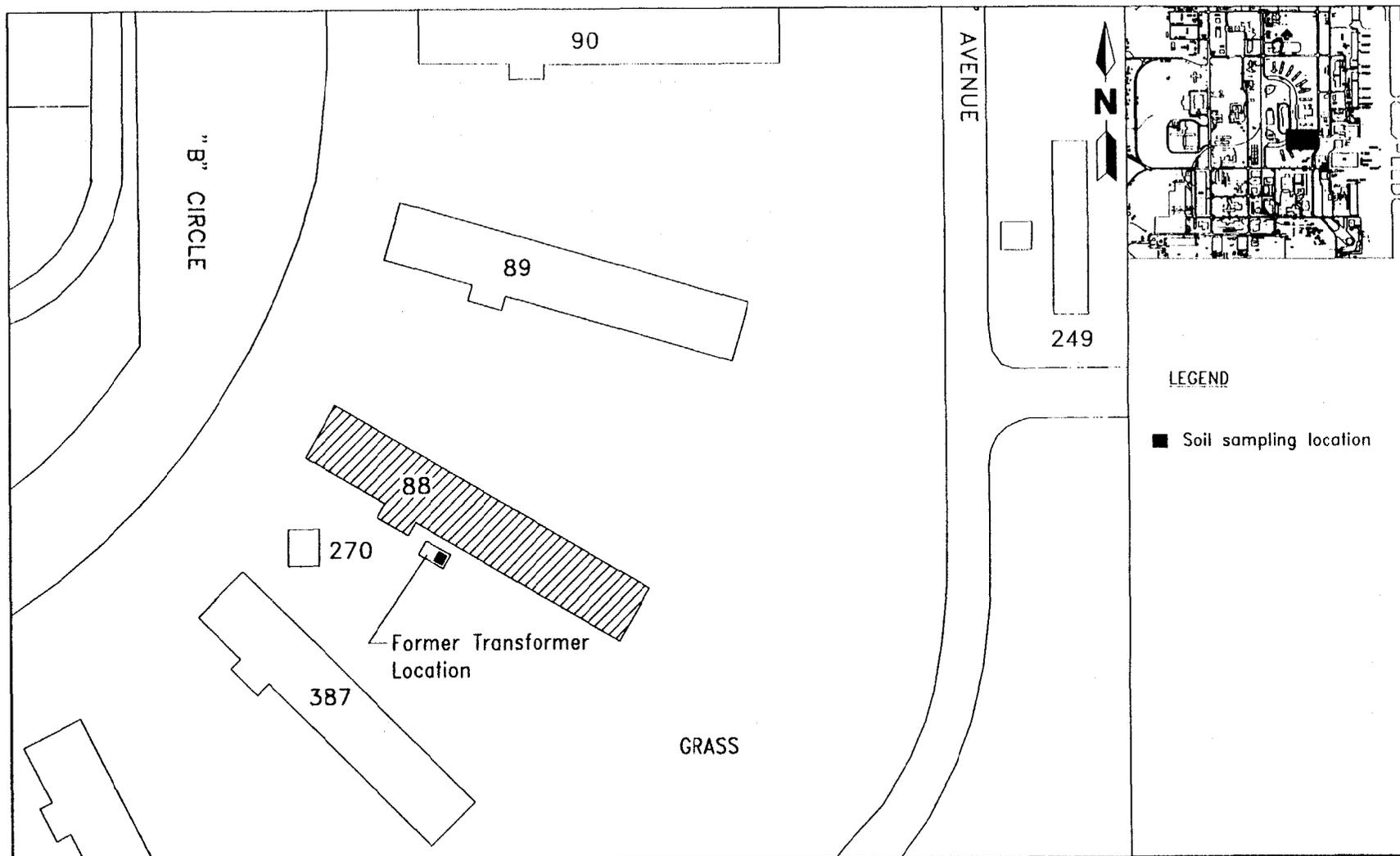
One sample of the material within secondary containment at the former transformer will be obtained. The sample will be analyzed onsite with an amino-assay test kit that has a detection limit of at least 1 ppm.

#### 4.0 SELECTED REFERENCES

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, North Charleston, South Carolina, November.

ABB-ES, 1994b, Project Operations Plan for Cecil Field and Health and Safety Plan: prepared for Southern Division, Naval Facilities Engineering Command, North Charleston, South Carolina, December.

ABB-ES, in press, Base Realignment and Closure Tank Management Plan for Naval Air Station, Cecil Field, Jacksonville, Florida: prepared for Southern Division, Naval Facilities Engineering Command, North Charleston, South Carolina.



**FIGURE 1**  
**BUILDING 88**  
**BACHELOR ENLISTED QUARTERS**



**PHASE II SAMPLING AND ANALYSIS**  
**OUTLINES, GREY SITES**

**NAS CECIL FIELD**  
**JACKSONVILLE, FLORIDA**