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NAS CECIL FIELD, FL
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SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 94 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 94
BASE REALIGNMENT AND CLOSURE
ZONE C, DEVELOPED NONINDUSTRIAL AREA
GROUP V
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

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GLOSSARY OF TERMS AND ABBREVIATIONS

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

1.0 SITE DESCRIPTION

This Base Realignment and Closure (BRAC) Program Phase II Sampling and Analysis Outline briefly describes and proposes a recommendation for Building 94 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 94 is part of a group of 12 other barracks and a general mess hall. The facility is used as a barracks for enlisted personnel with a maximum occupancy of 100. For 32 years a polychlorinated biphenyl (PCB)-containing transformer was located adjacent to the building until removal in 1993. There is no documentation of any spills or leaks from this transformer.

2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 94 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 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 others in the same barracks complex) was replaced because of insufficient capacity (it could no longer served the needs of the building). He also indicated that the former transformer did have a 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

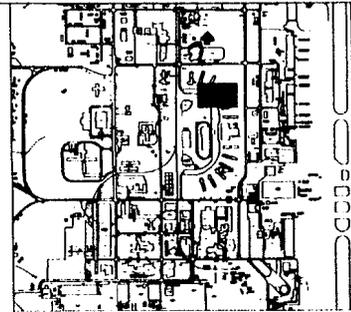
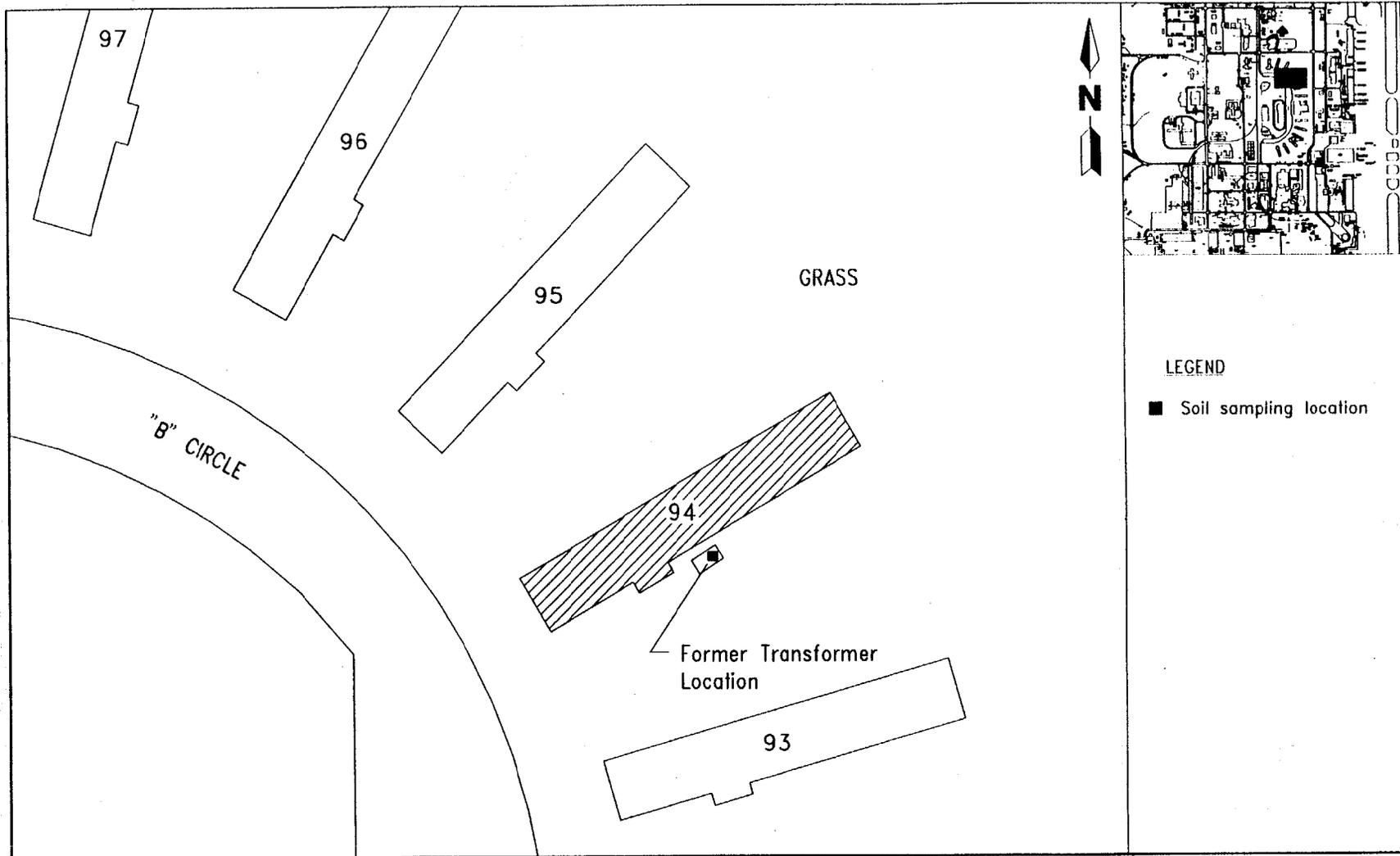
Because the transformer is known to have contained PCBs at a concentration greater 50 ppm, the potential presence of PCBs within the secondary containment should be evaluated. To determine the presence or absence of PCBs in surface soil below the leaking oil switch, completion of the following sampling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



LEGEND
 ■ Soil sampling location

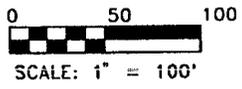


FIGURE 1
BUILDING 94
BACHELOR ENLISTED QUARTERS



PHASE II SAMPLING AND ANALYSIS
OUTLINES, GREY SITES

NAS CECIL FIELD
JACKSONVILLE, FLORIDA