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NAS CECIL FIELD, FL
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SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 927 BASE REALIGNMENT AND
CLOSURE ZONE C DEVELOPED NON-INDUSTRIAL AREA GROUP 6 NAS CECIL FIELD FL
10/1/1995
ABB ENVIRONMENTAL SERVICES INC

SAMPLING AND ANALYSIS OUTLINE
BUILDING 927
BASE REALIGNMENT AND CLOSURE
ZONE C, DEVELOPED NONINDUSTRIAL AREA
GROUP VI
NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Unit Identification No. N60200

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

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October 1995

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GLOSSARY

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

This Base Realignment and Closure (BRAC) Program Phase II Sampling and Analysis Outline briefly describes and proposes a recommendation for Building 927 located on 9th Street between A and B Avenues (Figure 1) at Naval Air Station (NAS) Cecil Field. Building 927 is a barracks for enlisted personnel.

2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 927 was color-coded Grey in the Environmental Baseline Survey (EBS) Report (ABB Environmental Services, Inc. [ABB-ES], 1994a) because of the potential for residual polychlorinated biphenyl (PCB) contamination and a suspected septic tank.

A transformer containing more than 500 parts per million (ppm) of PCBs was located west of the building. The transformer was replaced in 1993.

A suspected septic tank was noted at the western side of the building during the EBS. Facility records do not show a septic tank at this location. Records review during the EBS indicated Building 927 is connected to the base sanitary sewer system, and did not identify any associated septic system. Additional records review by ABB-ES did not indicate evidence of a septic system associated with the building.

The outdoor condensing unit for the air conditioner (presumably the compressor) was observed to be leaking oil onto the concrete pad and the ground adjacent to the unit.

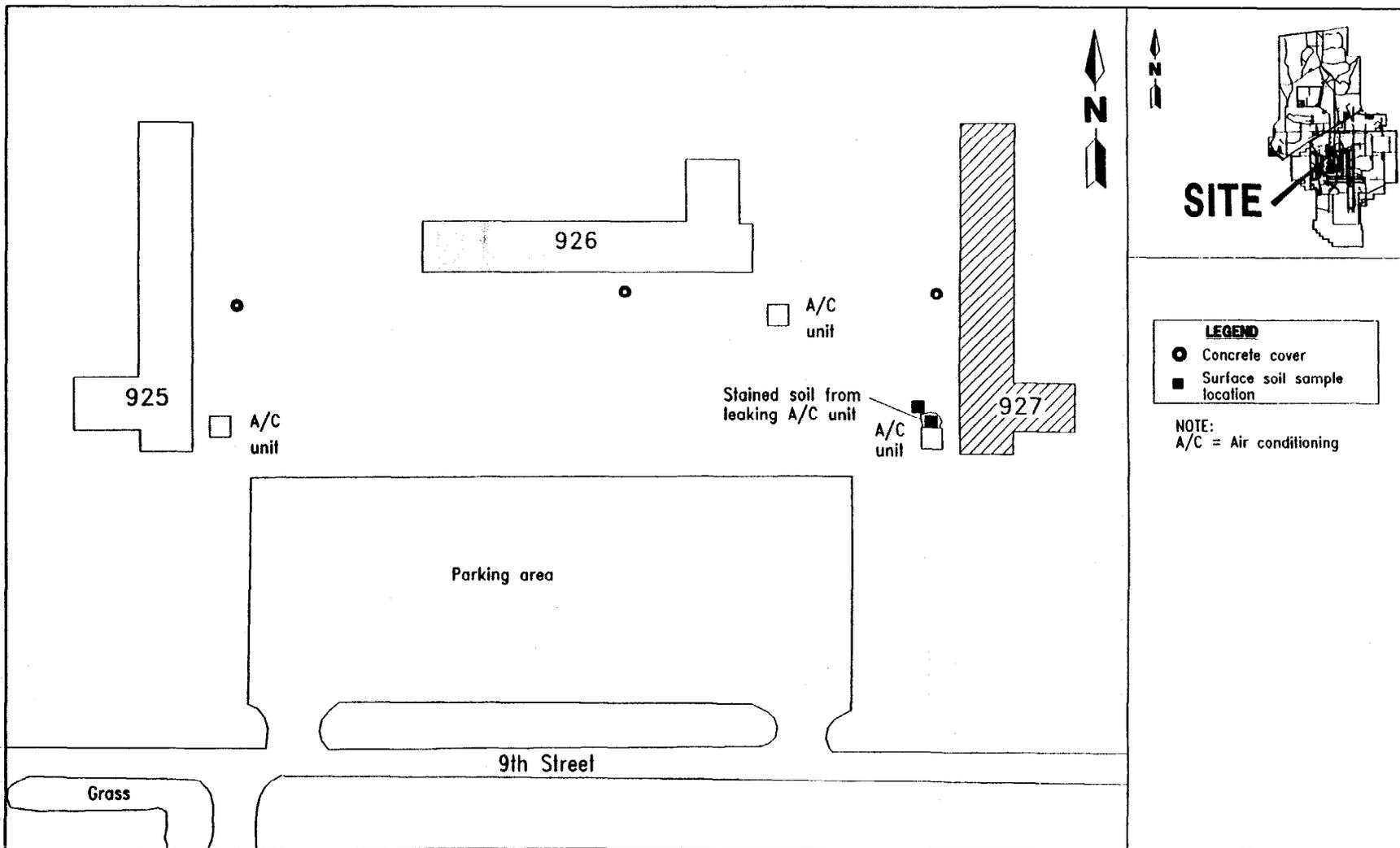
3.0 RECOMMENDATIONS

Mr. Caren Napier, a NAS Cecil Field Staff Civil Engineer, was interviewed concerning the possibility that Building 927 was connected to a septic tank or drainfield. Mr. Napier indicated that Buildings 925, 926, and 927 have been connected to the base sanitary sewer system since their construction and were not associated with a septic tank or drainfield. A review of historical aerial photographs of the area, dated between 1943 and 1984 indicates the area was undeveloped prior to 1969. It is unlikely that any septic tanks or leach fields would have existed in the area prior to the construction of Building 927.

Mr. Woodrow (an electrician with 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 [Buildings 926 and 927]) was replaced because of insufficient capacity (it could no longer served the needs of the building). The replacement transformer is non-PCB.

To assess the presence or absence of contamination in surface soil that may be due to release and/or migration of hazardous substances from the air conditioning compressor, completion of the following sampling program is recommended.

The recommended data quality objective is level IV to meet the potential need for input to a Preliminary Risk Evaluation if site media are contaminated. Analysis of the full Contract Laboratory Program suite of target compound list (TCL)



LEGEND

- Concrete cover
- Surface soil sample location

NOTE:
A/C = Air conditioning

0 10 20
SCALE: 1" = 100'

**FIGURE 1
BUILDING 927 -
BARRACKS FOR ENLISTED PERSONNEL
PROPOSED SAMPLE LOCATIONS**



**GROUP VI SAMPLING AND
ANALYSIS OUTLINE**

**NAS CECIL FIELD
JACKSONVILLE, FLORIDA**

organics and target analyte list (TAL) inorganics is recommended. 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). The proposed sampling locations are shown in Figure 1.

To evaluate the presence or absence of contaminants that may have contaminated surface soil, two samples will be collected 0 to 1 foot below land surface (bls) near the air conditioning compressor. The surface soil samples will be analyzed for TCL organics and TAL inorganics.

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, 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.