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SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 47 BASE REALIGNMENT AND  
CLOSURE ZONE C DEVELOPED NON-INDUSTRIAL AREA GROUP 9 NAS CECIL FIELD FL  
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ABB ENVIRONMENTAL SERVICES INC

**SAMPLING AND ANALYSIS OUTLINE**  
**BUILDING 47**  
**BASE REALIGNMENT AND CLOSURE**  
**ZONE C, DEVELOPED NONINDUSTRIAL AREA**  
**GROUP IX**  
**NAVAL AIR STATION CECIL FIELD**  
**JACKSONVILLE, FLORIDA**

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GLOSSARY

ABB-ES      ABB Environmental Services, Inc.  
ACM          asbestos containing materials  
  
BRAC        Base Realignment and Closure  
  
EBS         Environmental Baseline Survey

## 1.0 INTRODUCTION

This Base Realignment and Closure (BRAC) program Phase II Sampling and Analysis Outline briefly describes and proposes a plan for assessment of Building 47. Building 47 is located on the south side of 1st Street, approximately 200 feet east of Hangar 14, at Naval Air Station Cecil Field. It is referred to as the Air Terminal Building in the Environmental Baseline Survey (EBS) (ABB Environmental Services, Inc. [ABB-ES], 1994a).

## 2.0 EBS COLOR DESIGNATION

Building 47 was color-coded Grey in the EBS Report because of the presence of friable asbestos. The potential for lead-based paint was also noted as a concern in the EBS Report. No other environmental concerns were noted in the EBS Report.

Additional asbestos surveys, were conducted in support of the Asbestos Management Plan (ABB-ES, 1995b). Friable asbestos-containing material (ACM) was confirmed in pipe insulation and was reported to be in fair condition. Suspect ACM was identified in ceiling and floor tiles; however, no samples were collected for confirmation.

Analyses conducted in support of the Lead-Based Paint Management Plan (ABB-ES, 1995a) confirmed the presence of lead-based surface coatings on interior and exterior surfaces. A lead-based paint hazard rating of 2-2-B (occupied, nontarget housing with surfaces in fair condition) was assigned to this facility.

A review of facility drawings indicates Building 47 was initially constructed in 1942 and was formerly used for storage of paint and oxygen. No records were available to indicate when the building was converted from a storage facility to a passenger air terminal.

## 3.0 RECOMMENDATIONS

Recommendations to develop and implement an operations and maintenance plan are cited in the Asbestos Management Plan (ABB-ES, 1995b). The Asbestos Management Plan recommends additional testing or abatement if the building is to be renovated. The Lead-Based Paint Management Plan (ABB-ES, 1995a) indicates a minimal risk of lead exposure to humans due to lead-based paint at this facility, and recommends implementation of operations and maintenance controls.

A Phase II Sampling and Analysis program is recommended to assess whether or not groundwater has been affected by potential releases related to former paint storage. Analytical results, a contamination assessment, and recommendations for reclassification of the property will be reported in a draft Site Summary report for Building 47. The project team will seek concurrence from the BRAC cleanup team before submitting a final Site Summary report.

The recommended data quality level 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.

One groundwater monitoring well will be installed downgradient of the former paint storage area. One groundwater sample will be collected and analyzed. The proposed sample location is shown on Figure 1.

#### 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 (SOUTHNAVFACENGCOCM), North Charleston, South Carolina (November).

ABB-ES. 1994b. *Project Operations Plan for Cecil Field and Health and Safety Plan*. Prepared for SOUTHNAVFACENGCOCM, North Charleston, South Carolina (December).

ABB-ES. 1995a. *Lead-Based Paint Management Plan for Naval Air Station Cecil Field*. Prepared for SOUTHNAVFACENGCOCM, North Charleston, South Carolina (December).

ABB-ES. 1995b. *Asbestos Management Plan for Naval Air Station Cecil Field*. Prepared for SOUTHNAVFACENGCOCM, North Charleston, South Carolina, (December).

