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NAS CECIL FIELD, FL
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# SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 617 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 617
# BASE REALIGNMENT AND CLOSURE

## ZONE A, YELLOW WATER WEAPONS COMPOUND
## GROUP VII

## NAVAL AIR STATION CECIL FIELD
## JACKSONVILLE, FLORIDA

Unit Identification No. N60200

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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 |
| PRE | Preliminary Risk Evaluation |
| 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 617 at Naval Air Station (NAS) Cecil Field. Building 617 is located on the north side of Warehouse Road in the Yellow Water Weapons Compound (Figure 1). The facility is referred to as the Bomb Dummy Unit and Aviation Weapons Support Equipment Building in the Environmental Baseline Survey (EBS) Report (ABB Environmental Services, Inc. [ABB-ES], 1994).

## 2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 617 was color-coded Grey in the EBS because of the presence of a 5,000-gallon fuel oil underground storage tank (UST) and documentation of a leak in the fuel line between the UST and the boiler. The presence of friable asbestos-containing materials and extensive use of paints, solvents, and abrasive blast media 617 were also cited in the EBS Report.

Additional environmental concerns were observed during an ABB-ES site reconnaissance walkover in August 1995. Stressed vegetation and stained soil were observed around the UST fill pipe. A chemical storage locker is located near the northwest corner of the building. Rust stains from 55-gallon drums were observed on a vacant concrete slab adjacent to the chemical storage locker. Surface soil along the north side of the building contained scattered steel bead blast media. The vegetation in this area was stressed. An additional area of stressed vegetation was noted adjacent to the stairs at the northeast corner of the building.

Five transformers are located in the vicinity of Building 617, one of which was identified as PCB-contaminated. PCB concentrations listed in the NAS Cecil Field Oil-Filled Electrical Distribution Inventory for the remaining four transformers at this location are less than 50 parts per million. No visible indications of release of dielectric fluid were observed during the ABB-ES site walkover.

Buildings 618 and 705 are two small structures associated with Building 617. The EBS Report color code for these facilities is Blue, due to the storage of gasoline for ground maintenance use. Wood pallets serve as the floor in Building 705, leaving the ground surface exposed to potential releases.

## 3.0 RECOMMENDATIONS

A Phase II Sampling and Analysis program is recommended to assess whether soil or groundwater has been affected by releases from this facility or the associated Buildings 618 and 705. Environmental concerns to be addressed include the potential release of chemicals or petroleum during transit or during storage in ancillary buildings, lockers, or open areas. The area with spilled or dumped blast media and the area of stressed vegetation will also be assessed.

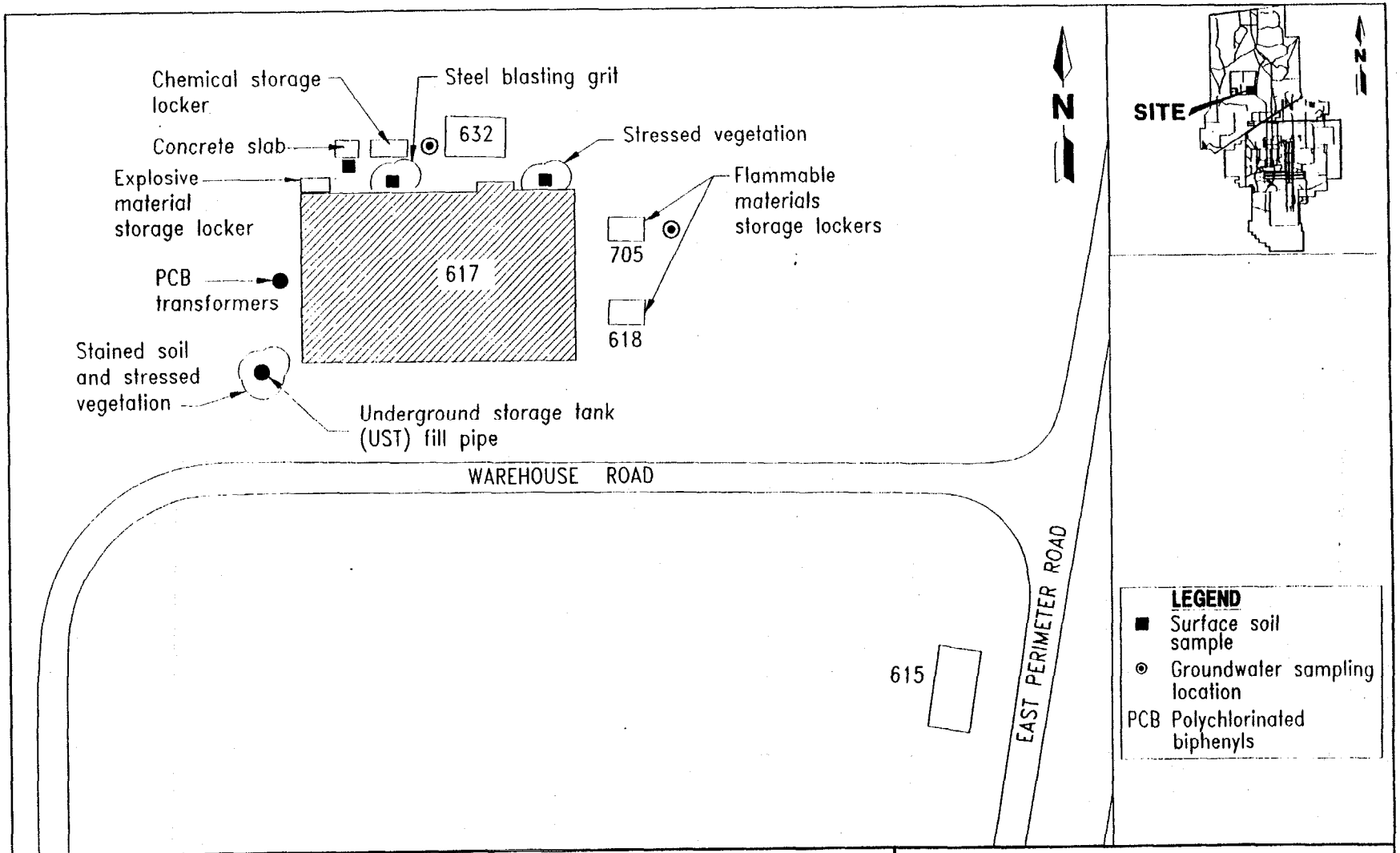


**FIGURE 1**
**BUILDING 617**
**BOMB DUMMY UNIT / AVIATION WEAPONS SUPPORT EQUIPMENT**

**GROUP VII SAMPLING AND ANALYSIS OUTLINE**

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

Analytical results, a contamination assessment, and recommendations for reclassification of the property will be reported in a draft Site Summary report for Building 617. The project team will seek concurrence from the BRAC cleanup team before completing a preliminary risk evaluation (PRE) and 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 need for input to a PRE, 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. 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 surface soil sample will be collected adjacent to the chemical storage locker and associated open storage area. A surface sample will also be collected from the area containing steel blast media. The third surface soil sample will be collected in the area of stressed vegetation near the stairs at the northeast corner of Building 617.

3.2 GROUNDWATER. Downgradient groundwater monitoring wells will be installed adjacent to the chemical storage locker and adjacent to Building 705. One groundwater sample will be collected from each well.

3.3 OTHER COMPLIANCE ISSUES. Potential environmental issues relating to USTs will be addressed separately. Management of PCB-contaminated electrical equipment is being coordinated through the NAS Cecil Field Environmental Department. The Asbestos Management Plan (ABB-ES, 1995a) recommends development and implementation of an operations and maintenance plan to manage asbestos at this facility.

## 4.0 SELECTED REFERENCES

ABB Environmental Services, Inc. (ABB-ES), 1994a, Base Realignment and Closure Environmental Baseline Survey Report, Naval Air Station (NAS) 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.