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NAS CECIL FIELD, FL
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SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 15 BASE REALIGNMENT AND
CLOSURE ZONE C DEVELOPED NON-INDUSTRIAL AREA GROUP 6 NAS CECIL FIELD FL
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ABB ENVIRONMENTAL SERVICES INC

SAMPLING AND ANALYSIS OUTLINE
BUILDING 15
BASE REALIGNMENT AND CLOSURE
ZONE C, DEVELOPED NONINDUSTRIAL AREA
GROUP VI
NAVAL AIR STATION, CECIL FIELD
JACKSONVILLE, FLORIDA

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Naval Air Station Cecil Field
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GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
bls	below land surface
BRAC	Base Realignment and Closure
EBS	Environmental Baseline Survey
NAS	Naval Air Station
PRE	Preliminary Risk Evaluation
SAO	Sampling and Analysis Outline
TAL	Target Analyte List
TCL	Target Compound List
UST	underground storage tank

1.0 SITE DESCRIPTION

This Base Realignment and Closure (BRAC) Program Phase II Sampling and Analysis Outline (SAO) briefly describes and proposes a plan for assessment of Building 15 at Naval Air Station (NAS) Cecil Field. Building 15 is located east of the intersection of 4th Street and H Avenue (Figure 1). The facility is referred to as the Wastewater Treatment Control Building in the Environmental Baseline Survey (EBS) Report (ABB Environmental Services, Inc. [ABB-ES], 1994).

Building 15 includes the control building for the base wastewater treatment plant and associated tanks and buildings. Wastewater from all base housing, administrative, training, and maintenance buildings is processed at this facility. Influent wastewater often contains petroleum products from flightline maintenance operations. Several spills have occurred at the facility.

Two diesel fuel underground storage tanks (USTs) are present at the facility. One tank is abandoned, the other tank supplies an emergency generator located in an adjacent building. Chlorine gas is also stored and used on the premises.

2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 15 was color-coded Grey in the EBS because of past sewage spills and the presence of USTs. During a site walkover of current sludge drying beds in May 1995, four abandoned sludge drying beds and several aboveground holding tanks were observed. The holding tanks are no longer in use. The wastewater treatment plant operator indicated that an influent pipe main break occurred in the woods adjacent to the treatment plant. In addition, the operator verified that influent wastewater often contains petroleum products. Under these circumstances, influent flow is diverted to a holding tank where it is retained until a private contractor pumps it out. Several areas of stressed vegetation were observed during the site walkover.

3.0 RECOMMENDATIONS

A Phase II Sampling and Analysis Program is recommended to assess whether soil, sediment, surface water, or groundwater have been affected by releases from this facility. Release of potentially contaminated wastewater has been identified as the primary environmental concern for this sampling and analysis program.

Analytical results, a contamination assessment, and recommendations for reclassification of the property will be reported in a draft Site Summary report for Building 15. 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 IV, to meet the potential 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

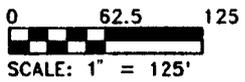
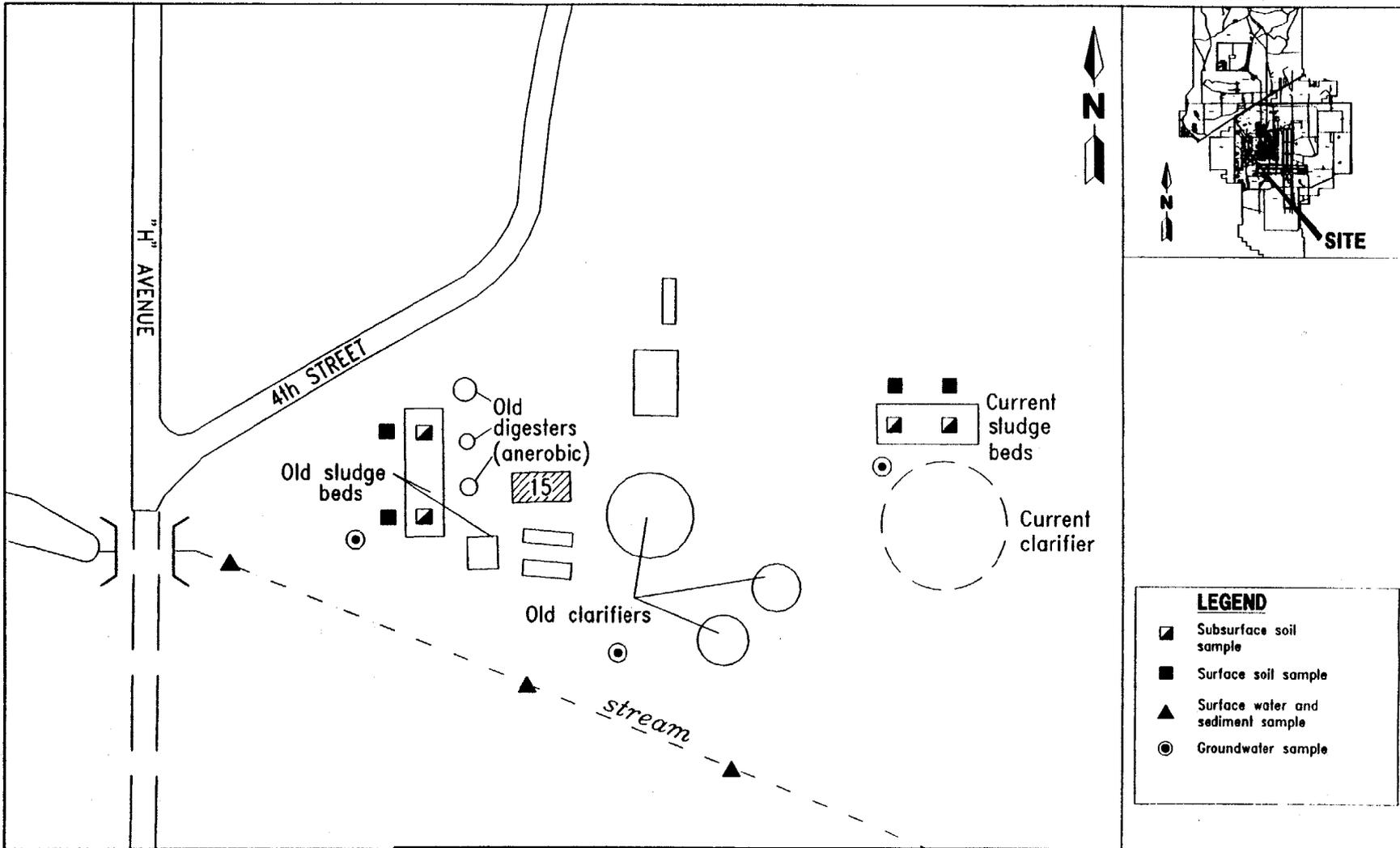


FIGURE 1
BUILDING 15 -
WASTEWATER TREATMENT CONTROL BUILDING
PROPOSED SAMPLE LOCATIONS



GROUP VI SAMPLING AND
ANALYSIS OUTLINE

NAS CECIL FIELD
JACKSONVILLE, FLORIDA

Project Operations Plan (ABB-ES, 1994b.). Analysis for the full Contract Laboratory Program suite of target compound list (TCL) organics and target analyte list (TAL) inorganics is recommended. Proposed sample locations are shown in Figure 1.

3.1 Surface Soil Surface soil samples will be collected at an interval of 0 to 1 foot below land surface (bls). Two samples will be collected north of the current sludge drying beds. Two samples will be collected on the west side of the abandoned sludge drying beds. Analysis of these samples will evaluate whether sludge handling or maintenance activities have affected the surrounding surface soil.

3.2 Subsurface Soil Subsurface soil samples will be collected at the groundwater interface below the sludge drying beds. Two soil samples will be collected from the current sludge drying beds, and two samples will be collected from the abandoned sludge drying beds. Analysis of these samples will evaluate whether soil beneath the sludge drying beds has been affected by contaminants from the sludge.

3.3 Groundwater Downgradient groundwater monitoring wells will be installed south of the current sludge drying bed, south of the old clarifiers, and southwest of the abandoned sludge drying beds. Samples will be collected from each of the three monitoring wells and analyzed to evaluate whether groundwater has been affected by contaminants released at the wastewater treatment plant.

3.4 Surface Water and Sediment Three surface water and three sediment samples will be collected from the drainage ditch south of the facility. The surface water and sediment samples will be analyzed to evaluate whether these media have been affected by contaminated surface runoff from the wastewater treatment plant.

3.5 Other Compliance Issues Potential environmental issues relating to USTs, use and storage of chlorine gas, and wastewater treatment will be addressed separately.

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, November 1994.

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

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.