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NAS CECIL FIELD, FL
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SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 271 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 271
BASE REALIGNMENT AND CLOSURE
ZONE C, DEVELOPED NONINDUSTRIAL AREA
GROUP V

NAVAL AIR STATION CECIL FIELD
JACKSONVILLE, FLORIDA

Unit Identification No. N60200

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

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July 1995

TABLE OF CONTENTS

Sampling and Analysis Outline
Building 271
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Zone C, Developed Nonindustrial Area Group V
Naval Air Station Cecil Field
Jacksonville, Florida

<u>Chapter</u>	<u>Title</u>	<u>Page No.</u>
1.0	SITE DESCRIPTION	1
2.0	ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION	1
3.0	RECOMMENDATIONS	1
3.1	SURFACE SOIL	1
3.2	GROUNDWATER	2
4.0	SELECTED REFERENCES	2

LIST OF FIGURES

<u>Figure</u>	<u>Title</u>	<u>Page No.</u>
1	Building 271, Service Station (Base Gas Station)	3

GLOSSARY OF TERMS AND ABBREVIATIONS

ABB-ES	ABB Environmental Services, Inc.
BLS	below land surface
BRAC	Base Realignment and Closure
EBS	Environmental Baseline Survey
NAS	Naval Air Station
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 briefly describes and proposes a recommendation for Building 271, located at the intersection of B Avenue and 9th Street at Naval Air Station (NAS) Cecil Field (Figure 1). It is referenced in the Environmental Baseline Survey (EBS) (ABB Environmental Services, Inc. [ABB-ES], 1994a) as the Service Station.

Building 271 operates as the gasoline station for the base as well as a convenience and video rental store. There are three 10,000-gallon gasoline underground storage tanks (USTs) and one 6,000-gallon diesel fuel UST associated with the gas station. Two underground oil-water separators are present. In addition, lead-acid batteries are stored outdoors.

2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 271 was color-coded Grey during the EBS because of the presence of four USTs, two oil-water separators, and a battery storage area. During a site walkover in March of 1995, it was noted that the building has, in addition to the items identified during the EBS, two storm water retention ponds, located southwest and northwest of the building, respectively. These retention ponds receive runoff from the paved areas of the gas station via catch basins and discharge into the drainage ditches along the road. Oil stains were observed on the catch basin grating located south of the building.

The fenced battery storage area (located southeast of the building) was being used for old tires at the time of the walkover and did not contain any batteries. Stressed vegetation in this area, noted during the EBS, was not observed. A rusted drum, marked as "Unknown" was located immediately south of the battery storage area. As identified by the EBS, it is likely that a waste oil UST is probably present at the site. The tank is probably located at the southeast corner of the building adjacent to the oil-water separator.

3.0 RECOMMENDATIONS

To assess the presence or absence of contamination in surface soil and groundwater that may be due to release and/or migration of substances from the retention ponds and oil-water separators, 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) 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 and new exploration locations are shown in Figure 1.

3.1 SURFACE SOIL. Two samples will be collected 0 to 1 foot below land surface(bls): one each from the northwest and southwest retention ponds. The sampling locations are shown in Figure 1. The samples will be analyzed for TCL organics and TAL inorganics.

3.2 GROUNDWATER. Two groundwater samples will be obtained by installing and sampling monitoring wells near each of the oil-water separators. The sampling locations are shown in Figure 1. The samples will be analyzed for TCL organics and TAL inorganics.

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 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.

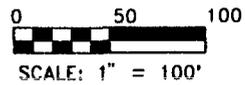
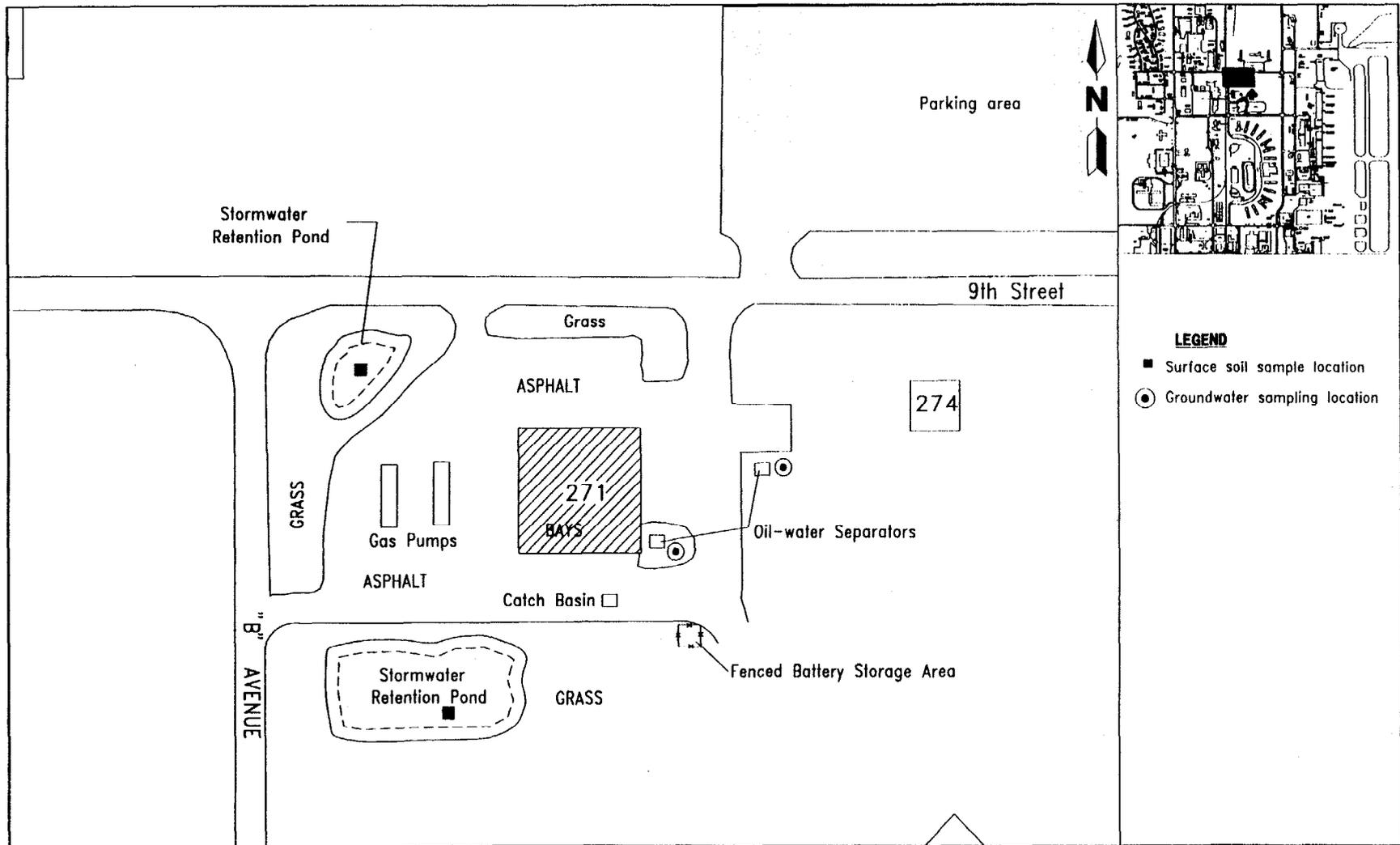
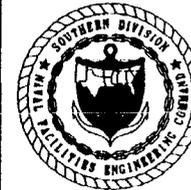


FIGURE 1
BUILDING 271
SERVICE STATION (BASE GAS STATION)



PHASE II SAMPLING AND ANALYSIS
OUTLINES, GREY SITES

NAS CECIL FIELD
JACKSONVILLE, FLORIDA