

N60200.AR.000604
NAS CECIL FIELD, FL
5090.3a

SAMPLING AND ANALYSIS OUTLINE FOR BUILDING 1820 LS BASE REALIGNMENT AND
CLOSURE ZONE D INDUSTRIAL AND FLIGHT LINE AREA GROUP 4 NAS CECIL FIELD FL
4/1/1995
ABB ENVIRONMENTAL SERVICES INC

SAMPLING AND ANALYSIS OUTLINE
BUILDING 1820 LS
BASE REALIGNMENT AND CLOSURE
ZONE D, INDUSTRIAL AND FLIGHTLINE AREA
GROUP IV
NAVAL AIR STATION, CECIL FIELD
JACKSONVILLE, FLORIDA

Unit Identification No. N60200

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

Prepared by:

ABB Environmental Services, Inc.
2590 Executive Center Circle, East
Tallahassee, Florida 32301

Prepared For:

Department of the Navy, Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29419

Steve Wilson, Code 18B9, BRAC Environmental Coordinator

April 1995

TABLE OF CONTENTS

Sampling and Analysis Outline
Building 1820 LS
Base Realignment and Closure
Zone D, Industrial and Flightline Area Group IV
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 |
| 4.0 | SELECTED REFERENCES | 2 |

LIST OF FIGURES

| | | |
|----------|--|---|
| Figure 1 | Building 1820 LS, Lift Station | 3 |
|----------|--|---|

GLOSSARY

| | |
|--------|--|
| ABB-ES | ABB Environmental Services, Inc. |
| AIMD | Aircraft Intermediate Maintenance Department |
| BRAC | Base Realignment and Closure |
| CLP | Contract Laboratory Program |
| EBS | Environmental Baseline Survey |
| NAS | Naval Air Station |
| PRE | Preliminary Risk Evaluation |
| TAL | target analyte list |
| TCL | target compound list |
| TIMS | Tank Inventory Management System |

1.0 SITE DESCRIPTION

This Base Realignment and Closure (BRAC) Phase II Sampling and Analysis Outline briefly describes and proposes a recommendation for Building 1820 LS, a lift station located within the north-south flightline section of the Main Base at Naval Air Station (NAS) Cecil Field.

Building 1820 LS is referenced in the BRAC NAS Cecil Field Environmental Baseline Survey (EBS) (ABB Environmental Services, Inc. [ABB-ES], 1994a) as a lift station serving aircraft hangar Building 1820 (Figure 1) and the pump house, Building 1826. Lift station 1820 LS was constructed in 1973 and consists of an underground concrete wet well and an aboveground pump. Lift station 1820 LS pumps wastewater piped from hangar Building 1820 and Building 1826 to the Base sanitary treatment plant.

2.0 ENVIRONMENTAL BASELINE SURVEY COLOR DESIGNATION

Building 1820 LS was color-coded Grey in the EBS because of concerns that hazardous materials used in aircraft maintenance and cleaning compounds from hangar Building 1820 may have affected groundwater quality near the lift station.

During a site walkover in February 1995 no staining or vegetative stress was observed near the lift station pump.

3.0 RECOMMENDATIONS

To evaluate the presence or absence of contamination in shallow groundwater at the lift station, completion of the following Phase II assessment program is recommended. Contract Laboratory Program (CLP) analyses of target compound list (TCL) organics and target analyte list (TAL) inorganics are proposed.

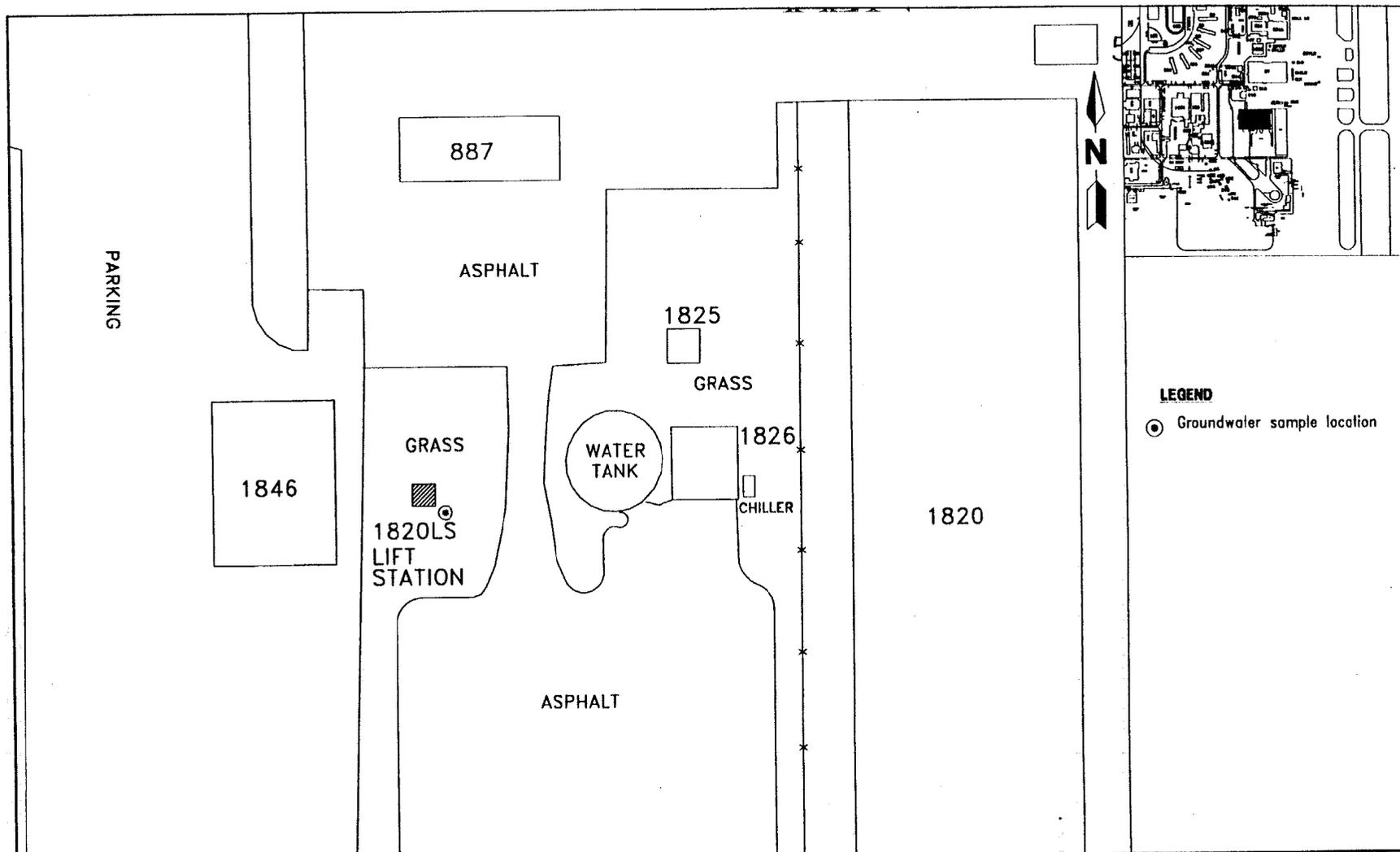
To meet a potential need for input to a Preliminary Risk Evaluation (PRE), the recommended analytical level to meet the data quality objective for this site is Level IV with CLP deliverables.

One shallow groundwater sample will be obtained by installing and sampling a shallow monitoring well near the lift station. The well will be screened across the water table. The sample will be analyzed for TCL organics and TAL inorganics. Applicable sample collection techniques, quality assurance objectives, quality control requirements, and sample handling and shipping procedures are outlined in the BRAC NAS Cecil Field Project Operations Plan (ABB-ES, 1994b). The proposed sampling location is shown on Figure 1.

The results of analysis, a contamination assessment, and recommendations for reclassification of the property will be reported in a draft site summary report for Building 1820 LS. The Project team will seek concurrence from the BRAC Cleanup Team before completing a PRE and submitting a final site summary report.

4.0 SELECTED REFERENCES

- ABB Environmental Services, Inc. (ABB-ES), 1992a, Contamination Assessment Report, North Fuel Farm, Facility 76, Naval Air Station, Cecil Field, Jacksonville, Florida: prepared for Southern Division, Naval Facilities Engineering Command, May/June.
- ABB-ES, 1992b, Contamination Assessment Report, Day Tank 1, Facility 293, Naval Air Station, Cecil Field, Jacksonville, Florida: prepared for Southern Division, Naval Facilities Engineering Command, July.
- ABB-ES, 1993, Contamination Assessment Report Addendum, Day Tank 1, Facility 293, Naval Air Station, Cecil Field, Jacksonville, Florida: prepared for Southern Division, Naval Facilities Engineering Command, December.
- 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.
- ABB-ES, 1994b, Project Operations Plan for Cecil Field and Health and Safety Plan: prepared for Southern Division, Naval Facilities Engineering Command, 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.
- ABB-ES, in press, Site 16 Aircraft Intermediate Maintenance Department (AIMD) Seepage Pit Remedial Investigation, Operable Unit 7, Naval Air Station, Cecil Field, Jacksonville, Florida: prepared for Southern Division, Naval Facilities Engineering Command.
- Naval Air Station, 1993, Public Works Department Oil-filled Electrical Distribution Inventory Data Forms, Cecil Field, Jacksonville, Florida: May.
- Naval Air Station, 1993, Tank Inventory and Management System (TIMS) Data Base, Cecil Field, Jacksonville, Florida: November.



LEGEND
 ● Groundwater sample location

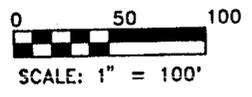


FIGURE 1
BUILDING 1820 LS
LIFT STATION



PHASE II SAMPLING AND ANALYSIS
OUTLINES, GREY SITES

NAS CECIL FIELD
JACKSONVILLE, FLORIDA