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NAS CECIL FIELD  
5090.3a

SAMPLING AND ANALYSIS PLAN FACILITY 255 BASE REALIGNMENT AND CLOSURE  
ZONE D INDUSTRIAL AND FLIGHT LINE AREA NAS CECIL FIELD FL  
3/1/1999  
HARDING LAWSON ASSOCIATES

**SAMPLING AND ANALYSIS REPORT**  
**FACILITY 255**  
**BASE REALIGNMENT AND CLOSURE**  
**ZONE D, INDUSTRIAL AND FLIGHT LINE AREA**

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

**Unit Identification Code N60200**

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

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Zone D, Industrial and Flight Line Area  
Naval Air Station Cecil Field, Jacksonville, Florida

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## GLOSSARY

|        |                                  |
|--------|----------------------------------|
| ABB-ES | ABB Environmental Services, Inc. |
| ACM    | asbestos-containing material     |
| BRAC   | Base Realignment and Closure     |
| EBS    | environmental baseline survey    |
| HLA    | Harding Lawson Associates        |
| IR     | Installation Restoration         |
| NAS    | Naval Air Station                |
| PCB    | polychlorinated biphenyl         |

## 1.0 INTRODUCTION

Harding Lawson Associates (HLA), under contract to Southern Division, Naval Facilities Engineering Command, has completed the Phase II Sampling and Analysis program for Facility 255 at Naval Air Station (NAS) Cecil Field. This report summarizes the related field operations, results, conclusions, and recommendations.

Facility 255 is referred to as an administrative office in the Base Realignment and Closure (BRAC) NAS Cecil Field Environmental Baseline Survey (EBS) Report (ABB Environmental Services, Inc. [ABB-ES], 1994a). Facility 255 is located along the east-west flight line, between Hangars 13 and 14 (Figure 1), in an area currently designated as Installation Restoration (IR) Site 36/37. A remedial investigation of groundwater contamination within IR Site 36/37 is currently in progress.

Facility 255 was color-coded Gray in the EBS because of friable asbestos construction materials in the building. The Asbestos Management Plan (Kemron, 1995) indicates that all asbestos-containing material (ACM) observed within Facility 255 is in fair condition and may be managed under an operations and maintenance plan.

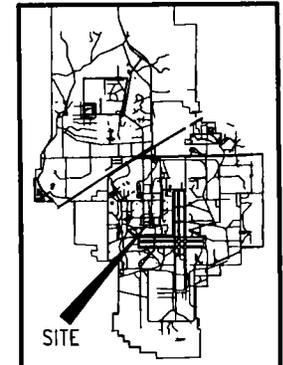
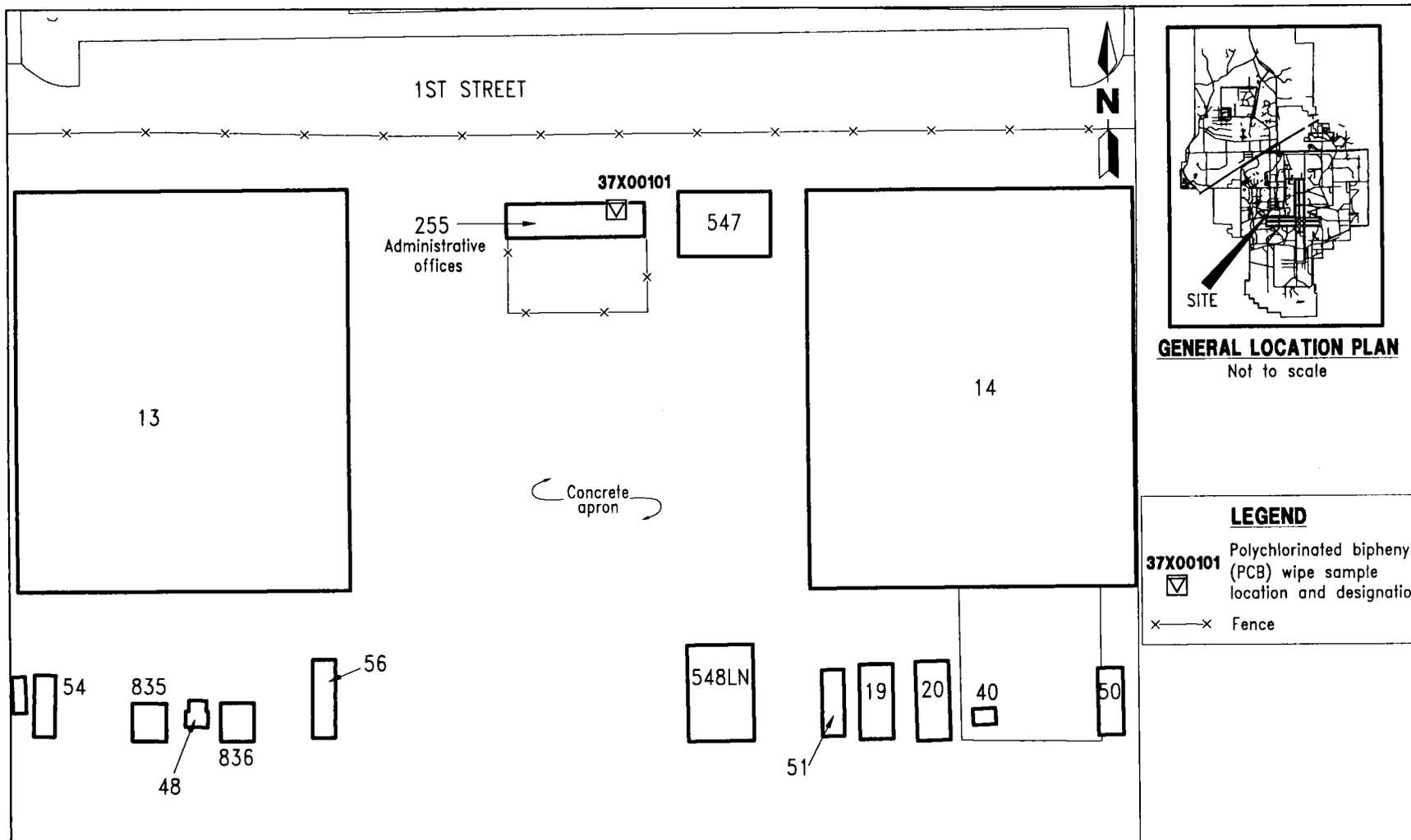
The project team observed an oily stain on the concrete pad beneath an electrical transformer adjacent to the north side of the building during a site walkover in January 1995. This release was identified as an environmental concern for the property. A Sampling and Analysis Outline for the assessment of the concrete surface beneath the transformer at Facility 255 was prepared by HLA (then ABB-ES) and approved by the BRAC cleanup team (ABB-ES, 1995). The results of the sampling and analysis program are discussed in Chapters 2.0 and 3.0.

## 2.0 PHASE II INVESTIGATION

One surface wipe sample was collected from the concrete surface beneath the transformer on the north side of Facility 255. The sample was analyzed for the full Contract Laboratory Program suite of target compound list polychlorinated biphenyl compounds (PCBs). A site plan indicating the sample location is presented on Figure 1. Field activities were undertaken in general conformance with the Project Operations Plan (ABB-ES, 1994b).

## 3.0 PRELIMINARY RISK EVALUATION

The surface wipe sample collected from the stained concrete transformer pad at Facility 255 contained 2.7 milligrams per kilogram of Arochlor-1260. No other PCB compounds were detected. Analytical results are presented in Appendix A. A residential human health exposure scenario is not applicable to a stained concrete surface. Therefore, no preliminary risk evaluation was conducted for this site.



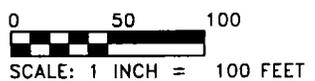
**GENERAL LOCATION PLAN**  
Not to scale

**LEGEND**

**37X00101** Polychlorinated biphenyl (PCB) wipe sample location and designation

37X00101

x—x Fence



**FIGURE 1**  
**FACILITY 255**  
**ADMINISTRATIVE OFFICES**



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#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

NAS Cecil Field has a decontamination and closure procedure for all facilities to be undertaken prior to lease or transfer. The transformer pad should be decontaminated during closure procedures for Facility 255. ACM should be managed under an operations and maintenance plan, and should not be damaged or disturbed. The facility is located within an active IR site. Therefore, the color classification for Facility 255 should be changed to 5/Yellow.

#### 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 (SOUTHNAVFACENGCOM), North Charleston, South Carolina (December).
- ABB-ES. 1994b. *Project Operations Plan for Cecil Field and Health and Safety Plan*. Prepared for SOUTHNAVFACENGCOM, North Charleston, South Carolina (November).
- ABB-ES. 1995. *Sampling and Analysis Outline, Facility 255, Base Realignment and Closure, Zone D, Industrial and Flightline Area, Group IV, Naval Air Station Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOM, North Charleston, South Carolina (April).
- Kemron Environmental Services, Inc. 1995. *Final Asbestos Management Plan, NAS Cecil Field, Jacksonville, Florida*. Prepared for SOUTHNAVFACENGCOM, North Charleston, South Carolina (October).

**APPENDIX A**  
**LABORATORY ANALYTICAL DATA**

NAS CECIL FIELD -- FACILITY 255  
PCB WIPE ANALYTICAL DATA -- REQUEST NO. 10838

Lab Sample Number: A6B1201080  
Site CECILBRAC2  
Locator 37X00101  
Collect Date: 09-FEB-96

VALUE QUAL UNITS DL

| PCBs         | VALUE | QUAL | UNITS | DL |
|--------------|-------|------|-------|----|
| Aroclor-1016 | 1     | U    | UG    | 1  |
| Aroclor-1221 | 1     | U    | UG    | 1  |
| Aroclor-1232 | 1     | U    | UG    | 1  |
| Aroclor-1242 | 1     | U    | UG    | 1  |
| Aroclor-1248 | 1     | U    | UG    | 1  |
| Aroclor-1254 | 1     | U    | UG    | 1  |
| Aroclor-1260 | 2.7   |      | UG    | 1  |

U = NOT DETECTED J = ESTIMATED VALUE  
UJ = REPORTED QUANTITATION LIMIT IS QUALIFIED AS ESTIMATED  
R = RESULT IS REJECTED AND UNUSABLE