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NAS CECIL FIELD
5090.3a

SAMPLING AND ANALYSIS REPORT FACILITY 255 BASE REALIGNMENT AND CLOSURE
ZONE D INDUSTRIAL AND FLIGHT LINE AREA NAS CECIL FIELD FL
6/1/1999
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

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Zone D, Industrial and Flight Line Area
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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 Report (EBS) (ABB Environmental Services, Inc. [ABB-ES], 1994a). Facility 255 is located along the east-west flightline, 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 Grey 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 a thick oily staining 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 review of Public Works Center records indicates there are 3 oil-filled electrical units associated with Facility 255, and none of the units contain more than 10 parts per million polychlorinated biphenyl (PCB) in the dielectric fluid.

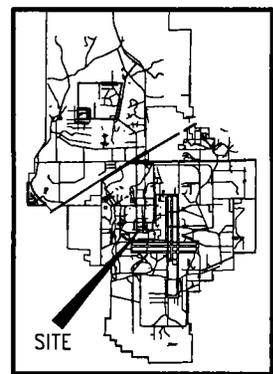
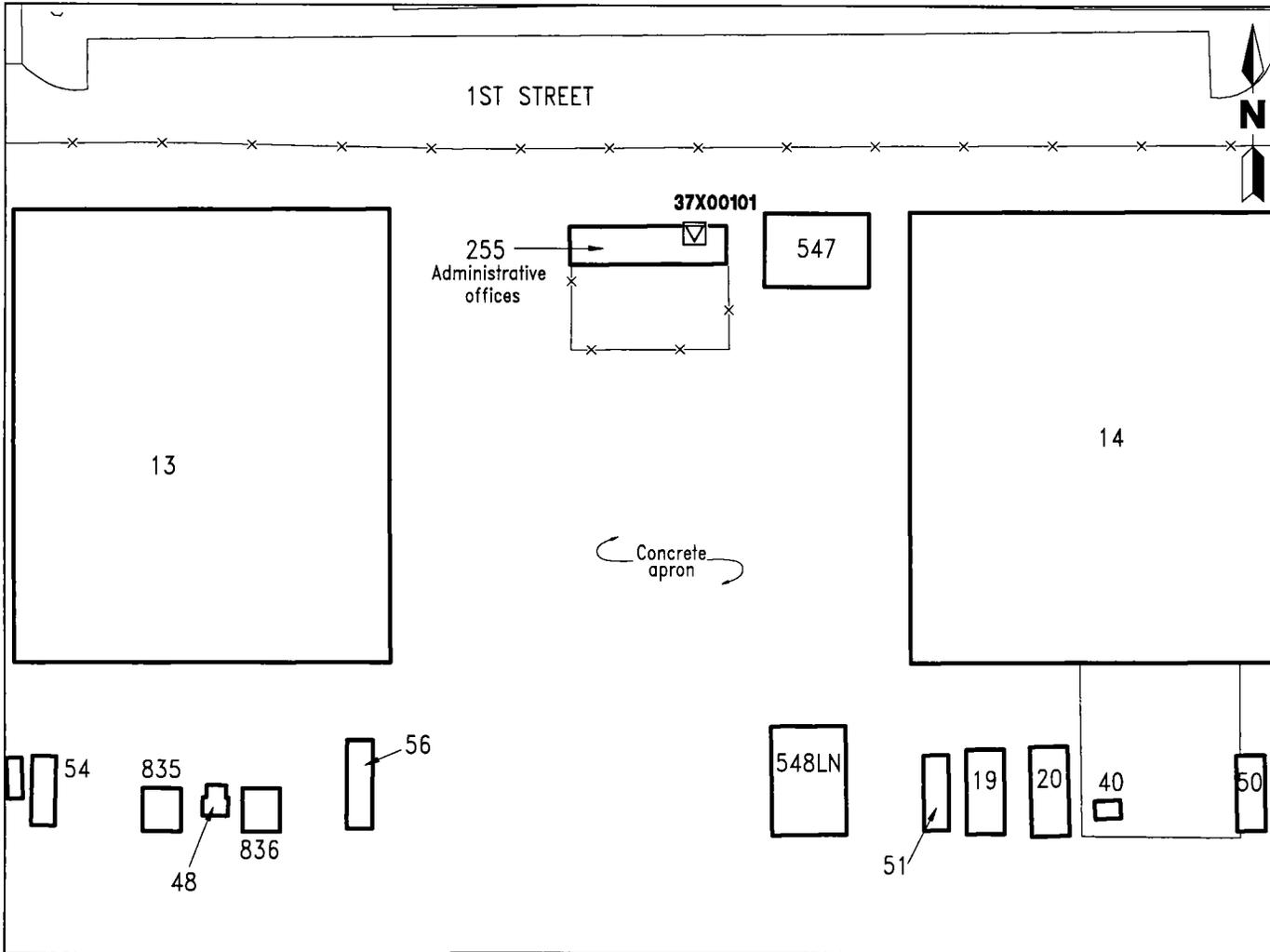
A Sampling and Analysis Outline for the assessment of the concrete surface beneath the transformer at Facility 255 was prepared by HLA (then ABB-ES) and approved by the BRAC cleanup team (ABB-ES, 1995b). The results of the sampling and analysis program are discussed in Sections 2.0 and 3.0.

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 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 micrograms Aroclor-1260. No other PCB compounds were detected. A residential human health exposure scenario is not applicable to a stained concrete surface. Therefore, no preliminary risk evaluation was conducted for this site. Analytical results are presented in Appendix A.



GENERAL LOCATION PLAN
Not to scale

LEGEND

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

×—× Fence

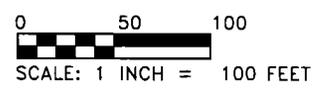


FIGURE 1
FACILITY 255
ADMINISTRATIVE OFFICES



SAMPLING AND ANALYSIS REPORT

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4.0 CONCLUSIONS AND RECOMMENDATIONS

PCBs have been detected on stained concrete on the north of Facility 255. The stained concrete appears to be from an incidental release of dielectric fluid. NAS Cecil Field has a decontamination and closure procedure for all facilities, to be undertaken prior to lease or transfer. Stained concrete surfaces should be decontaminated to a non-detect level or removed, during closure procedures for Facility 255. ACM is present, and should be managed under an operations and maintenance plan. The facility is located within an active IR Site, but is not within the groundwater contamination plume. Therefore, the color classification for Facility 255 should be changed to 5/Yellow.

REFERENCES

- ABB Environmental Services, Inc. (ABB-ES). 1994a. *Project Operations Plan for Cecil Field and Health and Safety Plan*. Prepared for Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM), North Charleston, South Carolina (December).
- ABB-ES. 1994b. *Base Realignment and Closure Environmental Baseline Survey Report, Naval Air Station Cecil Field, Jacksonville, Florida*. 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

	VALUE	QUAL	UNITS	DL
PCBs				
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