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LETTER REGARDING SAMPLING PLAN FOR 1104 AREA C NTC ORLANDO FL
6/22/1998
HARDING LAWSON ASSOCIATES

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Harding Lawson Associates



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June 22, 1998

Commanding Officer
SOUTHNAVFACENGCOM
ATTN: Ms. Barbara Nwokike, Code 1873
PO Box 190010
2155 Eagle Drive
N. Charleston, SC 29419-9010

Dear Barbara:

**Subject: Sampling Plan for Building 1104
Area C**

HLA has completed a work plan for a limited site screening program at Building 1104, Area C to determine whether or not there are any contaminants present at concentrations of concern. Based on comments at the OPT meeting in Atlanta last week, minor revisions were suggested, and they have been incorporated into this document.

HISTORY OF BUILDING 1104. The EBS describes Building 1104 as a small painted cinderblock storage facility constructed in 1982 for storage of Polychlorinated Biphenyl (PCB) laden oil and other waste and hazardous materials. This 12-foot by 12-foot building is constructed of painted cinderblock on a concrete slab with a gabled roof. A review of aerial photographs indicates that the site was unimproved lawn at Area C until the building was constructed. Several drum pallets were observed during the Environmental Baseline Survey (EBS). The building was cited by the base outfall survey for storing drums of non-PCB laden oil outside the building, but no leaks were reported. The building, however, may have stored PCB-laden oil. No documented spills are associated with storage operations at this facility.

The initial site screening investigation at Area C did not include Building 1104 since at the time of the screening investigations in 1994 and 1995, the building still contained hazardous materials. The facility had a label on the door stating PCBs were stored within. Located inside the facility were several drums with unidentified contents. No further action was recommended during the EBS.

SITE SCREENING INVESTIGATION. HLA recommends that the analytical suite include compounds other than PCBs because the building, according to the EBS, contained "hazardous materials" in addition to PCB-laden oil. Accordingly, HLA recommends the following site screening activities:

- Use information collected from former workers (provided by Public Works) to determine where drums may have been stored outside Building 1104.
- Collect two PCB wipe samples of the floor inside the building, concentrating on any stained areas.
- Collect one PCB wipe sample from the asphalt surface outside (north of) the building, but only if there is a stained area near the building entrance.



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- Collect two surface soil samples (0 to 1 foot bls) from west, south, and east sides of Building 1104 and analyze in the field with PCB immunoassay (IA) test kits. Samples will be biased toward former drum storage areas (determined from information provided by Public Works), most likely potential spill areas or preferential surface water flow.
- If there are IA detections of PCBs, collect up to three samples for full suite laboratory analysis, in accordance with the new soil sampling guidance for volatiles analysis (SW 846-5035).
- If there are no IA detections, collect one or two surface soil samples for full suite laboratory analysis, with location(s) biased toward former drum storage areas, most likely potential spill areas, or preferential surface water flow.
- Install one microwell downgradient from Building 1104 (west or northwest of building toward Lake Druid) and submit groundwater sample for full suite laboratory analysis.

Please call me if you have any questions.

Very Truly Yours,

HARDING LAWSON ASSOCIATES



Richard P. Allen
Principal Scientist

cc: W. Hansel (SouthDiv)
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