



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.  
ATLANTA, GEORGIA 30365

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NAS PENSACOLA  
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CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Ms. Linda Martin  
Remedial Activities Branch  
Department of the Navy - Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
P.O. Box 10068  
Charleston, S.C. 29411-0068

RE: Field Oversight for Site 27: Radium Dial Shop Sewer  
NAS Pensacola, Florida.

Dear Ms. Martin:

~~On June 24-25, 1991,~~ representatives of EPA's Environmental Compliance Branch (ECB) traveled to NAS, Pensacola to observe Ecology & Environment, Inc. (E&E) conduct field sampling at Site 27: Radium Dial Shop Sewer. Split samples were collected by ECB as a part of the oversight. ECB also provided spike and blank samples to E&E for analysis. Enclosed are copies of the analytical results generated by U.S. EPA's laboratories in Montgomery, Alabama (Radium analyses only) and Athens, Georgia (all other analytical parameters) for these samples. Also enclosed is a copy of the Region IV ESD Field Overview Checklist, which summarizes the adequacy of the contractor's field sampling methodology. In general, the contractor's performance in both categories was satisfactory.

The following observations were made regarding comparison of the analytical results:

- (i) The analytical results obtained by the two laboratories for selected metals, volatile, semivolatile, and pesticide/PCB organic compounds were in reasonable agreement, with the exception of the arsenic results for sample P27GW1D (TW10). The Navy's contractor reported a value of 110 ug/L arsenic for this sample while EPA's lab reported a value of <10 ug/L.
- (ii) The radiochemical results obtained by the two laboratories for Radium 226 agreed well.
- (iii) The results obtained by the contractor's lab for the EPA-supplied blank and split samples were also generally acceptable. The lab's recoveries for volatile compounds were acceptable. The lab reported pesticides present at concentrations below the minimum quantitation limit, and apparently did not quantify these pesticides. The semi-volatiles were apparently not analyzed by the laboratory.

In general, based on the split sample and limited QC results, the contractor's data are acceptable with the exception of the results for arsenic.

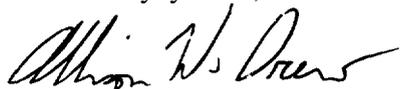
With regards to the field and sample collection procedures, EPA oversight personnel had the following input. The contractor conducted the observed sampling activities in accordance with the work plan and the U.S. EPA Region IV Environmental Services Division, Environmental Compliance Branch Standard Operating Procedures and Quality Assurance Manual, (ECBSOPQAM). The contractor staff was very professional, technically qualified and interested in conducting the sampling activities in accordance with EPA procedures. Most of the discrepancies noted were corrected during the overview. The following comments were provided:

- (i) A 2 oz. wide-mouth container, rather than a 40 ml. vial, should be used to collect soil samples for volatile organic analyses. A wide-mouthed container would permit more rapid filling of the container and minimize the loss of volatile organic compounds. The container should also have a teflon liner and septum.
- (ii) The contractor decontaminated the electronic water level indicator line with isopropanol. This should be done only if the line is made of teflon or some other inert material that would not be affected by the isopropanol.

(iii) Each bailor should have a teflon or stainless steel leader

EPA appreciates the opportunity to overview the field, sampling and analytical procedures being implemented at NAS Pensacola. It is the agency's belief that the overview process provides useful and constructive feedback for all parties concerned. We anticipate returning to NAS Pensacola to perform additional oversight in the future, probably during the initial stages of field work aimed at full-scale characterization of RI/FS sites. The Navy will be notified prior to initiation of any such activities. Should you have any further questions regarding these matters, please call me at 404/347-3016.

Sincerely yours,



Allison W. Drew, RPM  
RCRA & Federal Facilities Branch  
Waste Management Division

Enclosure

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cc: Ron Joyner, NAS  
Eric Nuzie, FDER