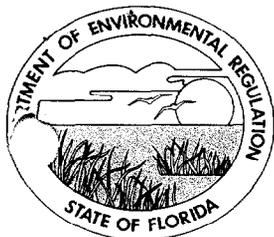


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NAS WHITING FIELD
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LETTER REGARDING FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
REVIEW OF REMEDIAL INVESTIGATION PHASE 2A TECHNICAL REPORT SOIL GAS
SURVEY NAS WHITING FIELD FL

5/25/1993

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION



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Florida Department of Environment

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Virginia B. Wetherell, Secretary

May 25, 1993

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Ms. Kimberly Queen
Remedial Activities Branch
Department of the Navy
Southern Division
Naval Facilities Engineering Command
Post Office Box 10068
Charleston, South Carolina 29411-0068

Dear Ms. Queen:

Department personnel have completed the technical review of the Remedial Investigation and Feasibility Study, Phase II-A, Technical Report, Soil Gas Survey, NAS Whiting Field. I have enclosed a memorandum addressed to me from Mr. David M. Clowes. It documents our comments on the referenced report.

If I can be of any further assistance with this matter, please contact me at 904/488-0190.

Sincerely,

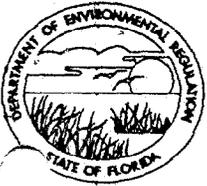
Eric S. Nuzie

Federal Facilities Coordinator

ESN/bb

Enclosure

cc: David Clowes
James Holland
Bill Kellenberger
Lynn Griffin
John Mitchell
Allison Drew



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Eric S. Nuzie, Federal Facilities Coordinator
Bureau of Waste Cleanup

THROUGH: James J. Crane, P.G./Administrator *JJC*
Technical Review Section

Jorge R. Caspary, Professional Geologist I *JRC*
Technical Review Section

FROM: David M. Clowes, Environmental Specialist II *Dme*
Technical Review Section

DATE: May 10, 1993

SUBJECT: Remedial Investigation and Feasibility Study (RI/FS)
Phase II-A, Technical Report - Soil Gas Survey,
Naval Air Station Whiting Field, Milton, Florida.

I have reviewed the above stated document, dated March 1993 (received March 17, 1993), submitted for this site. The following comments need to be addressed:

General Comments:

1. Contamination levels based on ion counts of 10,000, 85,000, and 100,000 were not related to each other or to other methods of measuring soil or groundwater contamination. Thus, it is ambiguous if the sites surveyed are contaminated, and to what extent.
2. This document summarizes the extent of soil gas contamination (Table 4-1) for each site based on specific constituents, but lacks composite summary diagrams illustrating overall soil gas contamination. Summary diagrams illustrating overall contamination levels for each site are needed to draw conclusions from this survey.
3. Conclusions interpreting the data were also omitted. Expected conclusions from this survey would be the identification of contamination areas that warrant further study, and the approximate locations where soil samples, soil borings and monitoring wells are proposed in order to delineate soil and groundwater contamination. It is

MEMORANDUM
Eric S. Nuzie
May 10, 1993
Page Two

accepted that definitive plume boundaries or contaminant concentrations can not be drawn from this precursory screening investigation; however, conclusions that could be interpreted should be included in this document.

4. The reason the Soil Gas Survey was employed only at sites 3, 5, 6, 29, 30, 32, and 33 needs to be explained.
5. The reason a screening technique (Soil Gas Survey) was included in the Phase II Workplan, if soil and groundwater contamination has already been determined in the Phase I Technical Memorandums, needs to be explained.
6. A copy of the "Standard Operating Procedures for Applying the Petrex Technique to Environmental Soil Gas Surveys" (Appendix A, RI Phase I Technical Memorandum No. 6), crucial to understanding this screening technique should have been included in the Soil Gas Survey.

Specific Comments:

1. Atoms behave paramagnetically above the Curie-Point, not below this point, as stated on page 2-2. Above the Curie-Point is "the temperature at which a material loses its ability to retain magnetism" and thus behaves paramagnetically.
2. The areas of concern of PCE relative ion count for the Auto Hobby Shop - Site 29 are based on counts greater than 100,000 as documented in the text (page 3-11), but only counts greater than 10,000, as illustrated on Figure 3-10. Which one is incorrect?
3. The features in Figure 1-2 are illegible. A smaller scale is needed, such as one used repeatedly in the RI Phase I Technical Memorandums.