

Department of
Environmental Protection

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Lawton Chiles
Governor

Twin Towers Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

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NAS PENSACOLA
5090.3a

April 8, 1996

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Bill Hill
Code 1851
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Final Remedial Investigation Report for Site 1, NAS
Pensacola

Dear Mr. Hill:

I have completed the technical review of the above referenced document dated January 5, 1996 (received January 8, 1996). The document is approved as final contingent upon the following comments. Also, please note the attached memorandum from Jane Fugler.

1. I do not agree with your response to David Clowes' Comment No. 11. Hot spot remediation may be technically practical and of a cost benefit in the long term remediation of this site. This may be especially true related to the areas around sample Trenches 6 and 12. These trench wastes/soils were extremely contaminated and are likely a source for the volatile contamination found in monitoring wells down gradient of these trenches.

As we discussed at our last partnering meeting, I have concerns that any groundwater remediation will be prolonged without addressing groundwater closer to these two trenches. As the Feasibility Study will likely have a groundwater remediation/containment component, I suggest additional monitoring wells be placed as close as possible downgradient from trenches 6 and 12 during the Remedial Design Phase to adequately evaluate these areas.

2. On Page 8-24, the second paragraph states: "Aluminum and iron were detected in wetland samples exceeding surface water standards, suggesting these metals may occur at elevated concentrations." In future documents, statements

such as this should not be made unless there is confirmatory data and analysis to support it. This information will not be available until completion of the Remedial Investigations for Sites 40, 41, and 42.

3. On Page 9-27, the document defines porosity "as the amount of soil sample contamination between soil particles." This should be corrected in any future documents to define porosity as the amount of pore spaces between soil particles, or the volume of pore spaces per volume of rock/soil material.
4. Under Section 9.5 (Data Assessment) on Page 9-28, the document indicates that organic contamination was introduced into samples "while preparing, handling, and or analyzing samples." These problem will hopefully be eliminated during future investigations by better laboratory practices and sampling techniques.

If I can be of any further assistance with this matter, please contact me at (904) 921-9989.

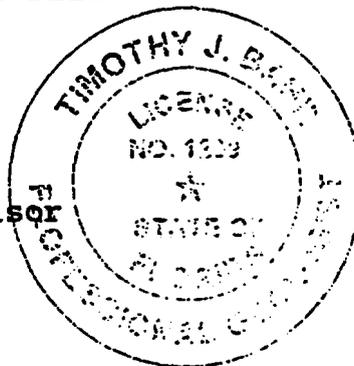
Sincerely,


/John W. Mitchell
Remedial Project Manager

cc: Ron Joyner, NAS Pensacola
Jay Bassett, USEPA Region IV
Henry Beiro/Brian Caldwell, EnSafe, Pensacola
Allison Dennen, EnSafe, Memphis
Karen Atchley, Bechtel, Knoxville
Tom Moody, FDEP Northwest District
Pat Kingcade, OGC/Trustee File

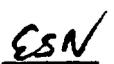
Reveiwed by:


Timothy J. Bahr, P.G.
Professional Geologist Supervisor
Bureau of Waste Cleanup



4/8/96
Date

JJC 

ESN 

Memorandum

Florida Department of
Environmental Protection

TO: John Mitchell, DOD Facilities Technical Review

THROUGH: Jim Crane, Bureau of Waste Cleanup *JJC*

FROM: Jane Fugler, Hazardous Waste Sites Technical Review *JF*

DATE: February 20, 1996

SUBJECT: Risk Assessment Review for **NAS** Pensacola Site 1

I have reviewed the comment responses and the risk assessment portion of the January 5, 1996 "Final Remedial Investigation for Site 1, **NAS** Pensacola". Please note that the shallow and intermediate aquifer exceeds groundwater **quality** standards and pose **a risk to future** drinking water uses. **This** groundwater contamination may be even more of **a** concern when the wetlands are assessed and the extent and impact of contamination is determined. Remedial efforts may be delayed for the aquifer until the wetland assessments are complete; **so** that remedial efforts may be combined. All other comments and changes presented in these documents are acceptable.

/jf