

N60508.AR.000658
NAS WHITING FIELD
5090.3a

LETTER WITH REVIEW COMMENTS REGARDING DRAFT FINAL REMEDIAL
INVESTIGATION PHASE 2 TECHNICAL MEMORANDUM 1 SURFACE WATER AND
SEDIMENT ASSESSMENT NAS WHITING FIELD FL

4/27/1993

FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

00649



Virginia B. Wetherell
Executive Director

FLORIDA DEPARTMENT OF NATURAL RESOURCES

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April 27, 1993

Ms. Kim Queen
Code 1859
Department of the Navy
Southern Division
Naval Facilities Engineering Command
P.O. Box 10068
Charleston, South Carolina 29411-0068

Re: Draft Final Remedial Investigation and Feasibility Study,
Phase IIA, Technical Memorandum No. 1, Surface Water and
Sediment Assessment, NAS Whiting Field

Dear Ms. Queen:

We have reviewed the above referenced document and provide the following comments:

1. Section 3.1.4 (Surface Water Applicable or Relevant and Appropriate Requirements (ARARs) Evaluation - Inorganic Target Analytes

This section states, "surface water samples did not exceed....Florida Surface Water Quality Standards [FSWQS] for Class II, Freshwater." In reviewing the state standards, several of the inorganics did exceed the standards. They are:

FSWQS - (freshwater / marine) (in $\mu\text{g/L}$) HD = hardness dependent

a. Copper (HD / 2.9)

Station 4 - 19.4	Station 6 - 13.8	Station 8 - 12.1
Station 9 - 6.8	Station 10 - 5.3	Station 11 - 5.3
Station 12 - 13.8		

The freshwater HD value needs to be determined. However, these stations exceeded the marine standard by 2 - 7 times its value.

b. Iron (1000 / 300)

Station 4 - 2490	Station 9 - 2650	Station 10 - 1050
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c. Mercury (0.012 / 0.2)

Stations 10 & 11 - 0.17

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d. Nickel (HD / 8.3)

Station 4 - 20.5 Station 8 - 43.2 Station 9 - 19

The freshwater HD value needs to be determined. However, these stations exceeded the marine standard by 2 - 5 times its value.

e. Silver (0.07 / 0.05)

Station 1 - 2.9 Station 4 - 1.8 Station 10 - 1.5
Station 11 - 1.9

2. Section 3.2.3 (Sediment ARAR Evaluation)

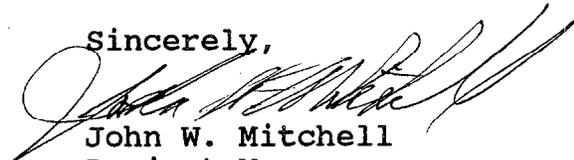
Table 3-1 does not show the NOAA sediment ER_L guideline values as stated in the last paragraph on page 3-31.

As stated in the document, ER_L values were exceeded at sampling Stations 1, 2, and 7. They were also exceeded at Station 3.

As the detected levels of contamination exceeded FSWQS and NOAA ER_L sediment values at several stations, further analysis is needed related to other possible injury to natural resources. The levels detected have been shown to be harmful to aquatic life, and, for certain contaminants, may bioaccumulate within the food chain.

Please keep us informed of the investigative and remedial activities and plans at Whiting Field. Should you have any questions, please contact me at (904)488-7454.

Sincerely,



John W. Mitchell
Project Manager
Office of Policy and Planning

JWM

cc: Pam McVety, FDNR
Lynn Griffin, FDER
Eric Nuzie, FDER
Waynon Johnson, NOAA
Jim Lee, DOI
Rob Pope, EPA
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