

Department of  
Environmental Protection

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NAS PENSACOLA

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Virginia B. Wetherell  
Secretary

Lawton Chiles  
Governor

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

July 14, 1997

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: Draft Remedial Investigation Report, Site 42, Pensacola Bay,  
NAS Pensacola

Dear Mr. Hill:

I have completed the technical review of the above  
referenced document dated May 22, 1997 (received May 28, 1997)  
and provide the following comments. Also, please address the  
comments in the attached memorandum from David Grabka.

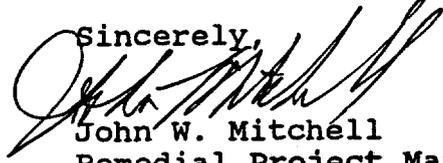
1. I agree that most of the contamination exceeding FDEP  
Sediment Quality Assessment Guidelines (SQAGs) or USEPA  
Region IV Sediment Screening Values (SSVs) appear to be  
scattered across the site and not related to past activities  
from other Installation Restoration Program (IRP) sites at  
the facility. They also appear to have low to limited risk  
(HQ<10) other than the area around the fuel  
loading/unloading dock near sample locations 042MZ806 and  
042MZ805. Therefore, I agree with the recommendation for no  
further action under CERCLA.

However, the contamination around the fueling dock appears  
to be strictly petroleum related and cannot be eliminated  
from further investigation due to the apparent ecological  
risk (HQ>10). The source of this contamination is either  
from: past releases at the dock; current releases from fuel  
related compounds spilled or stored at the dock; or leaks in  
the pipeline at the dock. I recommend that this area be  
identified as a petroleum contaminated site to be  
investigated under Chapter 62-770 F.A.C.

Bill Hill  
July 14, 1997  
Drat RI site 42  
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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  
Gena Townsend, USEPA Region IV  
Henry Beiro, EnSafe, Pensacola  
Brian Caldwell, EnSafe, Knoxville  
Allison Dennen, EnSafe, Memphis  
Karen Atchley, Bechtel, Knoxville  
Tom Moody, FDEP Northwest District  
Pat Kingcade, OGC/Trustee File

TJB

B

JJC

Bhcrk

ESN

ESN

Memorandum

Florida Department of  
Environmental Protection

TO: John Mitchell, E.S. III, Remedial Project Manager

**THROUGH:** Tim Bahr, P.G. Supervisor, Technical Review Section *TB*

FROM: David P. Grabka, E.S. I, Technical Review Section *D.P.G.*

DATE: June 9, 1997

SUBJECT: NAS Pensacola, Site 42, Remedial Investigation Report, May 22, 1997

I have reviewed the Remedial Investigation Report submitted by Ensafe/Allen & Hoshall for the above-reference site. They recommend No Further Action due to lack of human exposure pathways, low risk to ecological receptors, low frequency of detections of chemicals of potential concern, lack of sensitive or protected flora and fauna and hazard quotients that indicate limited risk. I have the following comments on the report:

- (1) The calculation and use of Hazard Indices (HIs) at sampling locations that have calculated Hazard Quotients (HQs) greater than 1 may be a better indication of ecological risk at a particular sampling location than using HQs. By summing the HQs at a particular sampling location, areas that have more chemicals of potential concern detected above threshold effects levels are indicated as being of higher risk to organisms.
- (2) Seven metals, three pesticides, one PCB and 11 SVOCs exceeded a sediment quality screening value. Silver exceeded the probable effects level (PEL) at two locations; no other metals exceeded the PEL. Dieldrin, 4,4'-DDT and gamma-BHC (Lindane) were the three pesticides and Arochlor-1254 was the PCB detected above the threshold effects level (TEL). Lindane exceeded the PEL at two locations and 4-4'-DDT exceeded the PEL at one location. All concentrations detected for pesticides and PCBs were same order of magnitude as the TELs. At only one location did SVOC concentrations exceed the PEL. At that location, 042MZ807, concentrations of benzo(a)anthracene, benzo(a)pyrene, chrysene, fluoranthene and pyrene exceeded the PELs. This location corresponds to the Barge Fuel Loading Dock west of Sherman's Point. It is probable that this contamination is from accidental spills during fuel unloading.
- (3) Figure 4-3. TOC concentrations in bottom sediments should be in mg/kg.

**Memo to John Mitchell**  
**NAS Pensacola, Site 42**  
**Remedial Investigation Report**  
**June 9, 1997**

- (4) Page 6-4. Second paragraph. Percent TOC values ranged ~~from~~ **<0.01** to **4.8** (not **.48**) based on analyticals supplied with the report.
- (5) Table 7-4. **VQUAL** code D should be explained in notes section at the end of the table.
- (6) Page 7-23. Last sentence. The ~~report~~ should state the **location(s)** at which tar balls were found in bay sediments.
- (7) Page 13-1. No Professional Geologist signature or seal.