



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107-4431

MAY 10 1995

Mr. Orlando Monaco
Naval Facilities Engineering Command
Northern Division
Environmental Contracts Branch
10 Industrial Highway
Lester, Pennsylvania 19113

Re: Naval Air Warfare Center (NAWC)

Dear Mr. Monaco:

Please find below EPA comments on a "Draft Revised Soil Boring Locations for Concrete Lagoon, Area A", prepared by Halliburton NUS and dated May 1, 1995. Most of these comments were discussed during a BCT meeting on May 9, 1995.

Purpose

In addition to occupying the former location of IM-6 (as identified by EPIC), the subject concrete impoundment also occupies part of the former location of IM-7 (as identified by EPIC).

Soil Boring Locations

Five soil borings should be conducted within the concrete impoundment to investigate IM-6. The location of the borings should be relative to the center of IM-6 as identified via coordinates provided by EPIC and associated surveying. These locations should be as indicated on Attachment 1. Boring #1 should be at the "center" of IM-6. **Please provide EPA an opportunity to concur with the actual locations in the field prior to conducting these borings.**

The number and location of borings within the subject concrete impoundment to investigate IM-7 should be determined based on the location of the center of IM-7 as identified via coordinates provided by EPIC. At the time of a site visit on May 9, the location of the center was not marked in the field. As a result, no comments were discussed. Please relocate this point and re-propose the sample locations based on this information.

Sampling Plan

As discussed, the primary objective of the proposed sampling should be to characterize "virgin" soil below sludge and soil that was removed as part of the "closure" of IM-6 and IM-7, i.e., the samples should characterize any soil which may have received leachate from the former unlined impoundments IM-6 and IM-7. In this case, samples should not be "collected from the uppermost soil horizon located immediately beneath the stone base" if this soil is fill material which was placed as part of the "closure" process. In addition, samples should be collected below the base of the fill which was placed as part of the "closure" process, rather than "between the upper sample and the base of the fill".

To summarize, soil samples should be collected from each boring:

- a. At any point where there is visual evidence of contamination or elevated HNu readings.
- b. Below the base of the fill placed as part of the "closure" process
- c. At the soil-bedrock interface

In addition to the TCL and TAL, each sample should be analyzed for hexavalent chromium.

As requested, please re-propose the location of borings within IM-7 and provide EPA an opportunity to concur on the actual location of borings within IM-6 (and IM-7). In addition, please keep EPA apprised of the schedule for conducting and sampling the subject borings.

Please give me a call if you have any questions or comments.

Sincerely,



Darius Ostrauskas
Remedial Project Manager

Enclosure (1)

cc: Tom Ames, NAWC
David Kennedy, PADER
Kathy Davies

Attachment 1 to Letter of 5/10/95

- ⊗ Center of IM-6 per EPIC/GPS.
- 1⊙ Boring Locations / Numbers
- Approximate boundary of IM-6

