



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

July 21, 1997

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

Re: Naval Air Warfare Center (NAWC), Warminster, PA

Dear Mr. Monaco:

This letter provides EPA comments on a removal action underway at Site 6. The subject comments are based on a review of a letter from Brown and Root dated July 17, 1997 which summarizes recent "preliminary post-removal sample analytical results".

Trench TR6E

Based on detected PCB concentrations in sample W-TR6E-18, additional material should be removed from the subject sidewall. Excavation to a depth several feet below the layer of charred/gray material of apparent concern should be sufficient to remove substances above cleanup criteria established by the Navy. Based on sample results to date, the interval indicated as Interval A in the attached figure should be excavated in this case. Followup confirmation samples should be analyzed for PCBs and PAHs.

While similar charred/gray material appears in the opposite sidewall (see Interval B in attached figure), this sidewall apparently has not been sampled to date. Based on the exposed charred/gray layer in this case, excavation to a similar depth into this sidewall should also be performed and followup confirmation sampling for the same constituents should be conducted.

Similarly, no samples have been collected from charred/gray material which appears in Sidewall C. This material should be removed and/or sampled for the same constituents.

Pit P6F

The subject letter indicates that "no PCB compounds exceeded cleanup criteria" in duplicate samples collected from the south sidewall. However, a review of preliminary analytical data

attached to the subject letter indicates Aroclor-1248 was detected above cleanup criteria in both samples. To ensure removal of all material exceeding cleanup levels, it is recommended that all of the "dark-stained soil" be excavated. Followup confirmation samples should include analysis for both chromium and PCBs.

Should you have any questions regarding the above, please give me a call.

Sincerely,



Darius Ostrauskas

Remedial Project Manager

Enclosure

cc: Tom Ames, NAWC

David Kennedy, PADEP

SOLID/SOIL/SEDIMENT SAMPLE LOG SHEET



* Attachment to Letter of 7/21/97 *

Brown & Root Environmental

- Surface Soil
- Subsurface Soil
- Sediment
- Lagoon/Pond
- Other _____

Project Site Name NAWC Warminster

Project Site Number CTO 252

Source Number W-TR6E-16

Source Location TR6E

<p>Sample Method: <u>Track hoe bucket + s.s. trowel</u></p> <p>Depth Sampled: <u>5'</u></p> <p>Sample Date & Time: <u>7-10-97 1445</u></p> <p>Sampled by: <u>D. Whalen</u></p> <p>Signature(s): <u>Donald Whalen</u></p> <p style="text-align: center;">Sample Type</p> <p><input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> High Concentration <input checked="" type="checkbox"/> Grab <input type="checkbox"/> Composite <input type="checkbox"/> Grab - Composite</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Analysts</th> <th style="width: 50%;">Preservative:</th> </tr> <tr> <td><input type="checkbox"/> TCL VOAs</td> <td>dark, 4°C</td> </tr> <tr> <td><input type="checkbox"/> TCL SVOAs</td> <td>dark, 4°C</td> </tr> <tr> <td><input checked="" type="checkbox"/> TCL Pest/PCBs</td> <td>dark, 4°C</td> </tr> <tr> <td><input type="checkbox"/> TAL Metals</td> <td>4°C</td> </tr> <tr> <td><input type="checkbox"/> Cyanide</td> <td>4°C</td> </tr> <tr> <td><input checked="" type="checkbox"/> PAHs</td> <td>4°C</td> </tr> </table> <p>Observations and Notes</p> <p><input checked="" type="checkbox"/> Duplicate sample taken <u>W-Dup-05</u> <u>sidewall sample</u></p>	Analysts	Preservative:	<input type="checkbox"/> TCL VOAs	dark, 4°C	<input type="checkbox"/> TCL SVOAs	dark, 4°C	<input checked="" type="checkbox"/> TCL Pest/PCBs	dark, 4°C	<input type="checkbox"/> TAL Metals	4°C	<input type="checkbox"/> Cyanide	4°C	<input checked="" type="checkbox"/> PAHs	4°C	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Composite Sample Data</th> </tr> <tr> <th style="width: 33%;">Sample</th> <th style="width: 33%;">Time</th> <th style="width: 34%;">Color and Description</th> </tr> <tr> <td colspan="3" style="text-align: center; height: 100px;">N/A</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Sample Data</th> </tr> <tr> <th style="width: 50%;">Color</th> <th style="width: 50%;">Description: (Sand, Clay, Dry, Moist, Wet, etc.)</th> </tr> <tr> <td style="text-align: center;">Brown</td> <td style="text-align: center;">silty sand</td> </tr> </table> <p>Sample Location Map</p>	Composite Sample Data			Sample	Time	Color and Description	N/A			Sample Data		Color	Description: (Sand, Clay, Dry, Moist, Wet, etc.)	Brown	silty sand
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