



DEPARTMENT OF THE NAVY  
PORTSMOUTH NAVAL SHIPYARD  
PORTSMOUTH, N. H. 03804-5000

IN REPLY REFER TO:

December 2, 1999

MEMORANDUM

FOR THE MEMBERS OF THE RESTORATION ADVISORY BOARD (RAB) CERCLA REMEDIAL ACTION PROGRAM, PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE

RAB members are invited to attend a technical meeting on December 15, 1999, on the Jamaica Island Landfill (JILF). (The previously scheduled technical meeting on November 30, 1999 was postponed.) The purpose of the meeting is to review the locations proposed for test pitting within the JILF. The meeting will begin at 10:00 a.m. and should end no later than 2:30 p.m.

If you plan to attend this meeting, please contact Mr. Alan Robinson in the Public Affairs Office no later than December 13, 1999 to make arrangements to attend and to obtain directions. He can be reached at 207-438-1140.

Sincerely,

A handwritten signature in cursive script, appearing to read "Ken", is written above the typed name.

Ken Plaisted  
Navy Co-Chairman  
Restoration Advisory Board

Distribution:

Doug Bogen  
Michele Dionne  
Phil McCarthy  
Johanna Lyons

Jeff Clifford  
Eileen Foley  
Jack McKenna  
Roger Wells

Mary Menconi  
Mary Marshall  
Onil Roy  
Carolyn Lepage

EPA Region I (M. Cassidy)  
MEDEP (Iver McLeod)  
NOAA (K. Finkelstein)  
MEDMR (D. Card)  
NHFG (C. McBane)  
USFWS (K. Munney)  
North Div (F. Evans)  
COMSUBGRU TWO (R. Jones)  
PNS (Codes 100PAO, 105, 105.5, 106, 106.3, 106.3R, NRRO)



DEPARTMENT OF THE NAVY

NORTHERN DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
10 INDUSTRIAL HIGHWAY  
MAIL STOP, #82  
LESTER, PA 19113-2090

IN REPLY REFER TO

5090  
Code 1823/FE

28 DEC 1999

Ms. Meghan Cassidy  
Environmental Protection Agency  
Region I (Mail Code HBT)  
1 Congress Street  
Suite 1100  
Boston, MA 02114-2023

Mr. Iver McLeod  
Maine Department of Environmental Protection  
Bureau of Remediation and Waste Management  
17 State House Station  
Augusta, ME 04333-0017

Dear Ms. Cassidy/Mr. McLeod/Ms. Cassidy:

SUBJECT: DECEMBER 15, 1999 TECHNICAL MEETING MINUTES FOR INSTALLATION  
RESTORATION PROGRAM AT PORTSMOUTH NAVAL SHIPYARD, KITTERY, ME

Enclosed are the meeting minutes for the December 15, 1999  
Technical Meeting regarding the proposed test pits in the Jamaica  
Island Landfill. Comments on the minutes are requested by January  
18, 1999.

If additional information is required please contact Mr. Fred Evans  
at (610) 595-0567 x-159.

For the Community Restoration Advisory Board (RAB) members; if you  
have any comments or questions on these issues, they can be provided to  
the Navy at a RAB meeting, by calling the Public Affairs Office at  
(207) 438-1140 or by writing to:

Portsmouth Naval Shipyard  
Code 106.3R Bldg 44  
Attn Marty Raymond  
Portsmouth, NH 03804-5000

Sincerely,

Frederick J. Evans  
Remedial Project Manager  
By Direction of the  
Commanding Officer

SUBJECT: DECEMBER 15, 1999 TECHNICAL MEETING MINUTES FOR INSTALLATION  
RESTORATION PROGRAM AT PORTSMOUTH NAVAL SHIPYARD, KITTERY, ME

Copy to:

NOAA (K. Finkelstein)  
MEDMR (D. Card)  
Mr. Doug Bogen  
Ms. Mary Michele  
Ms. Mary Marshall  
Mr. Jack McKenna  
Mr. Onil Roy  
Dr. Roger Wells  
PNS Code 100PAO  
PNS (Code 106.3R, M. Raymond)

USFWS (K. Munney)  
NHFG (C. McBane)  
Mr. Jeff Clifford  
Ms. Eileen Foley  
Mr. Phil McCarthy  
Ms. Mary Menconi  
Ms. Johanna Lyons  
Ms. Carolyn Lepage  
TtNUS (L. Klink, D. Cohen, C. Race)  
COMSUBGRU TWO (R. Jones)

**PORTSMOUTH NAVAL SHIPYARD  
INSTALLATION RESTORATION PROGRAM  
TECHNICAL MEETING**

**DECEMBER 15, 1999**

Participants:

Name	Organization	Telephone Number
Fred Evans	Northern Division, Naval Facilities Engineering Command	(610) 595-0567, x159
Meghan Cassidy	U.S. EPA, Region I	(617) 918-1387
Charles Race	Tetra Tech NUS	(978) 658-7899
Carolyn Lepage	TAG Consultant	(207) 777-1049
Iver McLeod	Maine DEP	(207) 287-8010
Marty Raymond	Portsmouth Naval Shipyard	(207) 438-2536

References:

1. Draft Work Plan for Geological Services for Test Pitting at OU3 of December 7, 1999
2. Response to Comments dated November 10, 1999 on the MTADS Geophysical Survey

The meeting opened with introductions, then the Navy, Fred Evans, indicated the following corrections needed to be made to the *Draft Work Plan for Geological Services for Test Pitting at OU3*:

- Table 1, Test Pit Location Summary. The location of Portsmouth Naval Shipyard will be changed from "Portsmouth, New Hampshire" to "Kittery, ME".
- Page 2,
  - Line 2 from the top of the page, following "... for test pitting." The Navy will insert the information on its rationale for selecting test pit locations in its November 10, 1999 response to the Maine Department of Environmental Protection's comment 7.a on the MTADS report.
  - Second paragraph, 5<sup>th</sup> line. The word "each" will be deleted.
- Page 4,
  - Line 3 from top of page, "hazardous materials" will be changed to "hazardous substances".
  - Line 3 from top of page, "[buried with the tops off]" will be inserted following "... chlorine gas cylinders".

- Page 5, the first bullet will be revised to indicate the test pit log will also indicate the depth of groundwater at test pit completion and where in the tidal cycle the test pit was completed.
- The Test Pit Log will be revised to have the "Test Pit Cross Section and/or Plan View on the back side to provide more room for the sketch and to provide more room for the test pit descriptions.

Mr. Chuck Race, Tetra Tech NUS (TtNUS), indicated Figure 1, would be revised to provide arrows from the terms "Landfilling Dates" and "Landfill Boundary" to examples of each on the sketch.

The Navy, Fred Evans, also suggested a separate technical meeting should be held in late January or early February to discuss alternative landfill covers, which may be equivalent to a State of Maine Hazardous Waste Cover. EPA, Meghan Cassidy, asked when the information on alternative covers would be provided. Fred Evans indicated he was not sure when the information would be submitted. But, he recognized the information would need to be submitted prior to finalization of the OU 3 Feasibility Study in order to be considered in the Proposed Plan. Ms. Carolyn Lepage, TAG consultant, asked if this meant the Navy was now considering a capping alternative. The Navy indicated the test pits are being performed to assist the Navy in selecting a remedy for OU 3, that the State of Maine's position is that a Maine Hazardous Waste cover is required, and the goal is to select remedy which will receive concurrence from the state. An evaluation of alternative landfill covers would help the Navy narrow the focus to a possible remedy which would meet the State of Maine's requirements for an alternate hazardous waste cover. Fred Evans also indicated his opinion was additional soil is necessary at the site to provide drainage, regardless of whether it was called a landfill cap or not.

Following this, the discussion was opened to receive input from other meeting participants on the *Draft Work Plan for Geological Services for Test Pitting at OU3*.

Megan Cassidy asked what the minimum depth would be for each test pit. Fred Evans indicated the maximum depth would be the depth at which the water table was encountered. Chuck Race indicated that the word "maximum" in the first sentence on page 3 of the *Draft Work Plan for Geological Services for Test Pitting at OU3* would be deleted.

Carolyn Lepage asked why we are only looking for drums above the water table. Fred Evans indicated during a technical meeting which he believed occurred in December 1995, Maine DEP, Iver McLeod, expressed a concern that the Initial Assessment Study for Portsmouth Naval Shipyard from 1983 indicates there were "500,000 gallons of waste oil and solvents (probably in drums)" disposed of in the landfill and that there may still be drums above the water table that have not released their contents to the soil.

Carolyn Lepage asked what the Navy will do if drums are encountered at the water table. Fred Evans indicated the goal is to remove drums if they are encountered. However, the objective is to characterize the landfill, not to remove all drums from the landfill. Therefore, the Navy will need to reevaluate the removal of drums if a large quantity of drums are encountered.

Carolyn Lepage asked why we are only concerned about the time frame from 1945 to 1965, why were we not concerned with years after 1965. Fred Evans indicated the Initial Assessment Study for Portsmouth Naval Shipyard from 1983 indicates that drums containing waste oil and solvents may have been disposed of during that time frame. Fred Evans also indicated that

during the same time frame waste oils were reportedly disposed of in drums in the landfill (1945 to 1965), Site 11 (Waste Oil Tanks) was in operation (1942 to 1989) receiving waste oil. Meghan Cassidy also indicated she recalled seeing photographs which showed solvents being poured onto the soil at the landfill.

Meghan Cassidy indicated EPA will need copies of Field and Laboratory Standard Operating Procedures for review. The Navy agreed to provide them. Carolyn Lepage asked who would be taking the samples? The Navy indicated it was assuming Foster Wheeler would be taking the samples, but, that it would need to be reconsidered.

Iver McLeod, MEDEP, asked why we were only looking at the "uncapped" portion of the landfill. Fred Evans indicated that based, on the quantity of waste oils and solvents (500,000 gallons) the drums would take up one and one third acres if buried on end. Digging 25 test pits in the "uncapped" portion of the landfill which covers from 1945 to approximately 1961 or 1962, drums containing material should be located if they were there. Also, the Navy did not want to compromise the existing clay cap over the dredge spoils for test pitting. It was agreed the rationale for doing test pits in the "uncapped" portion of the landfill should be included in the *Draft Work Plan for Geological Services for Test Pitting at OU3*. It was agreed this rationale should be included the top of page 2 of the *Work Plan for Geological Services for Test Pitting*.

Carolyn Lepage asked how the location for Test Pit TP2 was selected. Chuck Race, TtNUS, indicated that Test Pit TP2 targets a smaller anomaly with a larger anomaly. Fred Evans indicated the larger anomaly is believed to be foundry slag from cleaning the furnaces after World War II.

Carolyn Lepage and Iver McLeod asked why MTADS anomalies 33 and 43 were not being considered. Fred Evans indicated the Naval Research Laboratory indicated MTADS anomalies 2 and 3 were similar to MTADS anomalies 33 and 43 and could be excavated in one test pit. Chuck Race indicated MTADS anomalies 2 and 3 had a higher "fit quality" than MTADS anomalies 33 and 43.

It was suggested and agreed the rationale for selecting particular test pit locations from Tables A1 and B1 of the MTADS Geophysical Survey be included in the Comments column of the *Work Plan for Geological Services for Test Pitting*.

The group then went to the landfill and tried to visualize the test pit locations in the field. Based on the field visit, it was determined some test pits (Test Pits TP-7, 8, 9 10, 11, 12, 13 and 14) in the area not surveyed by MTADS may need to be relocated based on equipment stored on site. However, it was agreed the test pit locations should remain within the landfilling date contours indicated in Figure 1 of the *Work Plan for Geological Services for Test Pitting*.