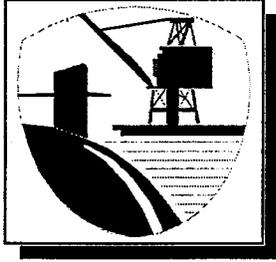


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ATTACHMENTS AND AGENDA FOR RESTORATION ADVISORY BOARD MEETING HELD
20 MAY 1999 NSY PORTSMOUTH ME
5/20/1999
PORTSMOUTH NAVAL SHIPYARD



**PORTSMOUTH NAVAL SHIPYARD
RESTORATION ADVISORY BOARD**

AGENDA

Date **May 20, 1999**
Place **Day's Inn, Kittery ME**
Time **7 p.m. - 9 p.m.**

Introduction

Status of work

Regulator Updates

Budget and Schedules

**Draft Workplan for Testpitting in the Jamaica Island
Landfill**

Other Issues as Required



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ANGUS S. KING, JR.
GOVERNOR

EDWARD O. SULLIVAN
COMMISSIONER

**PORTSMOUTH NAVAL SHIPYARD
May 20, 1999 Restoration Advisory Board Meeting
Maine Department of Environmental Protection**

- MEDEP concurred with Interim ROD for OU4 based on inclusion of new language in IROD by US Navy stating DDT and other pesticides will be included in monitoring plan as analytes
- Attended Navy-sponsored Remediation Innovative Technology Seminar (RITS) in Philadelphia on May 13. Topics covered included Risk Based Corrective Action, Ecological Risk Assessment, Bioavailability, and Contaminated Sediments.

CERCLA Related Documents Reviewed/Received Since Last RAB Meeting (4/15/99):

Draft Remedial Action Work Plan for MBV II and Drum Test Pit Excavations, Comments dated 4/30
Received Response to Comments, Draft On-Shore/Off-Shore Contaminant Fate and Transport
Modeling Phase II Report, Responses currently under review

Meetings Attended:

Remedial Project Managers Meetings: April 29, May 12
RPM Conference Calls: April 22

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PORTSMOUTH NAVAL SHIPYARD
INSTALLATION RESTORATION PROGRAM
STATUS OF WORK
May 20, 1999

SITE STATUS -

OU 1 (SITES 10, Battery Acid Tank, & 21, Acid/Alkaline Tank #28)

A draft report on field work completed at Battery Acid Tank (Site 10) was submitted on January 27, 1999.

OU 2 (SITES 6, DRMO, & 29, Incinerator Site)

A treatability workplan is being developed for a soil solidification and/or stabilization alternative at these sites. If appropriate, this alternative would be included in the feasibility study for this area.

Fate and transport modeling is being performed at this site to assist in making remedial decisions.

A draft report on field work completed at Incinerator Site (Site 29) was submitted on January 27, 1999.

OU 3 (SITES 8, Jamaica Island Landfill, 9, Mercury Burial Vaults, & 11, Waste Oil Tanks)

Fate and transport modeling is being performed at this site to assist in making remedial actions.

A report is being developed for the Multi-Sensor Towed Array Detection System field work conducted at JILF and a portion of the Topeka Pier site.

OU 4 (Areas off-shore that were potentially impacted by on-shore IRP sites and Sites 5 and 26)

Signed Interim Record of Decision for performing monitoring offshore until a final decision is made.

Consensus statement to address Site 26 is more appropriately managed under other regulations will be prepared. The draft consensus statement will be submitted to the RAB for review and comment.

OU 5 (SITE 27, Berth 6 Industrial Area (formerly Fuel Oil Spill Area))

Fate and transport modeling is being performed at this site to assist in making remedial action decisions.

Consensus statement to address that Site 27 is more appropriately managed under the State of Maine's Petroleum Program will be prepared. The draft consensus statement will be submitted to the RAB for review and comment.

Site Screening Areas:

SITES 30, Galvanizing Plant (Building 184): 31, West Timber Basin; 32, Topeka Pier.

PORTSMOUTH NAVAL SHIPYARD
INSTALLATION RESTORATION PROGRAM
STATUS OF WORK
May 20, 1999

A report on the field work completed at Sites 30, 31 and 32 was submitted on February 23, 1999.

SITE 34, Galvanizing Plant (Building 62)

A time critical removal action will be preformed to remove ash , ,
from behind the building.

DOCUMENT STATUS -

GROUNDWATER INVESTIGATION

PURPOSE - Monitoring of existing groundwater monitoring wells to provide additional data on the potential release and movement of contaminants from several of the sites. Low flow sampling techniques are being used, partially to help determine a better baseline of information for use in the groundwater modeling effort. This information will also help judge the effectiveness of any future remedial actions and provide monitoring for any current releases.

STATUS - Issued draft final Groundwater Monitoring Summary Report.

NEXT ACTION - Receive comments on draft final Groundwater Monitoring Summary Report.

FATE AND TRANSPORT MODELING

PURPOSE - To evaluate current onshore contaminant migration to the offshore environment. Results will assist in determining the need for remediation and the type of remediation required for OU 2, OU 3, and Site 27.

STATUS - Responded to Comments on draft Phase II Fate and Transport Modeling Report received.

NEXT ACTION - Receive comments on the Navy's Response to comments on the draft Phase II Fate and Transport Modeling Report.

ECOLOGICAL RISK ASSESSMENT (ERA) - OFFSHORE

PURPOSE - Evaluate the potential for adverse effects from contaminants that may have migrated from Shipyard IR Sites to the offshore.

STATUS - Received comments on revised executive summary for Revised Draft Final ERA.

NEXT ACTION - Respond to comments.

PORTSMOUTH NAVAL SHIPYARD
INSTALLATION RESTORATION PROGRAM
STATUS OF WORK
May 20, 1999

FEDERAL FACILITY AGREEMENT

PURPOSE - To establish the roles and responsibilities of the Navy, and EPA and serve as an Interagency Agreement (IAG) for the completion of all necessary remedial actions at PNS. Includes development of a Site Management Plan to be used as the schedule for the IR Program at the Shipyard. CERCLA requires an IAG to be in place within 180 days after a Record of Decision (ROD) is signed.

STATUS - FFA negotiations on-going between the EPA and the Navy.

NEXT ACTION - Finalize the Site Management Plan.

INTERIM RECORD OF DECISION FOR OU4

PURPOSE - Legal document to formalize the Navy's Proposed Plan to perform offshore monitoring.

STATUS - Signed Interim Record of Decision.

NEXT ACTION: - Distribute and announce public availability of the Interim Record of Decision.

PORTSMOUTH NAVAL SHIPYARD
INSTALLATION RESTORATION PROGRAM
STATUS OF WORK
May 19, 1999

DOCUMENT SCHEDULE

DRMO Treatability Workplan Issue Final DRMO Treatability Workplan	Aug 99
Offshore Ecological Risk Assessment Issue Final Report	Jun 99
Groundwater Summary Report Receive comments on draft final report	Jun 99
Phase II Fate and Transport Modeling Report Receive comments on Response to Comments on Draft Report	May 99
Lead IEUBK Modeling Report for DRMO Impact Area Issue Draft Final Report	Jun 99
OU 3 Risk Assessment Update Respond. to Comments on Draft Report	Jun 99
OU4 Interim Record of Decision Issue signed final report	May 99
MTADS Survey Issue Draft Report	May 99
	Jun 99
Receive comments on Draft Report	
OU3 Testpitting Workplan Respond to comments on Draft Report	Jun 99



PORTSMOUTH NAVAL SHIPYARD
INSTALLATION RESTORATION PROGRAM
RESTORATION ADVISORY BOARD MEETING
MAY 20, 1999

OPERABLE UNIT 3

**Jamaica Island Landfill,
Mercury Burial Vaults, and
Waste Oil Tanks**

HISTORY

- Site 8, Jamaica Island Landfill (JILF)
 - Covers approx. 25 acres of former tidal mudflat filled from approx. 1945 to 1978
 - Wastes disposed of include general refuse, trash, construction rubble, incinerator ash, plating sludges, asbestos insulation, waste oil and solvents, spent sand blasting grit, and dredge spoils

HISTORY (cont'd)

- Site 9, Mercury Burial Vaults MBI and MBII
 - Mercury contaminated waste was buried in two locations within JILF between 1973 and 1975 under 8 to 10 feet of fill
 - Waste included fluorescent bulbs, thermometers, manometers, mercury switches, rags, brooms and dust pans
 - MBI - Concrete pipe removed in 1994. Remaining 3 concrete blocks removed in 1997
 - MBII has not been located

HISTORY

- Site 11, Waste Oil Tank (WOT) Nos. 6 and 7
 - Two 8,000 gallon steel tanks (former railroad cars) in use from 1943 to 1989
 - Stored waste oils from shops prior to offsite disposal
 - No evidence of releases found during 1979 inspection
 - Passed tightness testing in 1986
 - Removed in 1989 in accordance with State of Maine Regulations. 332 tons of soil also removed in 1989.

INVESTIGATIONS

- Field Work
 - Geophysical Investigations
 - Magnetometer Surveys
 - Ground Penetrating Radar (GPR)
 - Seismic Refraction Survey
 - Multi-Sensor Towed Array Detection System (MTADS) Survey
 - Soil Gas Survey
 - Test Pits, Soil Borings, and Monitoring Well Installations
 - Soil and Groundwater Samples
 - Air Monitoring

RISK ASSESSMENTS

- Ecological Risk Assessments
 - Off Shore Risk Assessment (not final). Low risk off shore due to JILF.
 - On Shore Risk Assessment. Low risk on shore due to JILF.
- Human Health Risk Assessments
 - Off Shore Risk Assessment. No significant risk due to surface water and sediment
- On Shore Risk Assessment. (Updating)
 - Includes all information currently available
 - Differentiates between background risk and site related risk

FUTURE ACTIONS

- Investigations
 - Perform tests on dredge spoil area to determine equivalency to Maine Hazardous Waste Cap impermeability requirements
 - Determine if contamination is decreasing by natural means at Site 11

- Feasibility Study (FS)
 - Begin FS for OU3

CURRENT ACTIONS

- Objective
 - Determine potential for future releases

- Perform Test Pits at Operable Unit (OU) 3
 - Locate test pits based on all data available from the site
 - Remove drums containing material, if discovered
 - Locate MBII. Remove MBII if located

Test pits to be dug at Navy's Jamaica Island landfill

By Larry Favinger
Staff Writer

KITTERY—Test pits will be dug this summer in several spots in the Jamaica Island landfill at the Portsmouth Naval Shipyard. The shipyard's Restoration Advisory Board heard a presentation

on the draft work plan Thursday night at Day's Inn. The plan was presented by Fred Evans, the remedial project manager for the Navy. The Jamaica Island landfill covers about 25 acres of former tidal mud flats that were filled from about 1945 to 1978. The series of pits will be dug in

areas where last summer's multi-sensor detection system appeared to identify metals and other substances. Any drums containing material will be removed, if discovered, in digging the pits, as will mercury burial value No. 2. Two vaults containing materials contaminated with mercury were

buried at the site between 1973-75 under eight to 10 feet of fill. The board agreed Thursday to go forward with a feasibility study on taking remedial action at OUG the landfill area, with an eye toward beginning work sometime in fiscal 2001. A total of \$12.2 million is available to close the site.