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25TH TECHNICAL REVIEW COMMITTEE MEETING MINUTES NS NEWPORT RI
7/15/1993
TRC ENVIRONMENTAL CORPORATION

**25TH TECHNICAL REVIEW COMMITTEE MEETING MINUTES
NAVY INSTALLATION RESTORATION PROGRAM
NAVAL EDUCATION AND TRAINING CENTER (NETC)
NEWPORT, RHODE ISLAND**

-July 15, 1993-

**TRC ENVIRONMENTAL CORPORATION
CONTRACT NO. N62472-86-C-1282
TRC PROJECT NO. 6760-N81**

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MINUTES OF THE TWENTY FIFTH TRC MEETING

The 25th Technical Review Committee Meeting (TRC) for the Newport Naval Base Installation Restoration Program (IRP) studies was held at the Naval Education and Training Center (NETC) in Newport, Rhode Island on July 15, 1993 from 10:00 am to 12:00 pm. Attachment "A" provides a list of meeting attendees. Details of the TRC meeting are provided below.

OPENING REMARKS AND INTRODUCTION - Mr. Franco LaGreca, US Navy, Northern Division

- Meeting agenda was presented - The agenda for the TRC meeting included the following discussion items:
 - Opening Remarks and Introduction
 - Building #35 Gould Island Demolition
 - Derecktor Shipyard Investigation
 - Tank Farm 5 - Interim Ground Water Remediation Status
 - Site 01 - McAllister Point Landfill Remedial Measure
 - Phase II RI/FS Status
 - Melville North Landfill Soil Piles
 - Tank Farm Four - Oil/Water Separator
 - Off-Shore Investigation Overview
 - General Comments & Open Discussion

BUILDING #35 GOULD ISLAND DEMOLITION

Plans and specifications for the demolition of this building have been revised. The plans now address the demolition of the masonry structure as an option to the base bid. The masonry structure is under consideration for preservation by the Rhode Island Historical Society. The Navy is awaiting a decision from the RI Historical Society before proceeding with any action on this portion of the structure. The Navy expects to award the contract for demolition of Building #35 by September 30, 1993.

DERECKTOR SHIPYARD INVESTIGATION

A preliminary site assessment of the Direcktor Shipyard was completed for the Navy by the Halliburton/NUS Corporation in May 1993. The assessment included a review of available information on the shipyard and a reconnaissance survey of the property. The findings of the assessment indicated that there are several human health and environmental concerns related to the property. Recommendations of the assessment included further site investigation activities

(e.g., soil sampling, ground water monitoring, marine sediment sampling), evaluations of the underground and aboveground storage tanks and storm drain system on the property, and characterization and removal of containerized (drums) waste for disposal. The assessment report is currently under review by the Navy. The Navy is awaiting the submittal of a comprehensive clean-up plan for the shipyard from the RIPA.

TANK FARM FIVE - INTERIM GROUND WATER REMEDIATION STATUS

The design of the ground water remediation system for the ground water contamination around Tank 53 is being prepared by TRC Environmental Corporation. The 100% Navy design development submittal of the interim ground water recovery and treatment design is currently undergoing final revisions at the Navy's Northern Division. The 100% Navy submittal is considered the final submittal by the Navy and is expected to go out for bid in the next couple of weeks. The bid documents do not include any major changes from the 90% submittal as reviewed by the EPA and RIDEM. At the 100% design review meeting conducted on June 9, 1993 at NETC, verbal comments on the plans were received from EPA and RIDEM. These comments included a request to move locations of the proposed ground water extraction wells closer to the suspected source of the ground water contamination (Tank 53), and moving the treatment building away from Tank 53 and a potential subsurface "hot spot". It was noted by the Navy and TRC Environmental Corporation that the comments were not considered appropriate at this stage (90%) in the design process. However, responses to all comments received from both USEPA and RIDEM will be answered by a comment/response letter. It was explained that the goal of this interim remedial action is to prevent further migration of the ground water contamination (management of migration) and that source control issues such as contaminated soils and free product in the ring drain of the tank would be addressed separately.

The Navy is currently also continuing the operation of the ring drain sump pumps around Tanks 53 and 56. Ground water is still pumped from the bottoms of the ring drains of these tanks to maintain an inward flow gradient in the immediate vicinity of the tank. This should aid in controlling the outward flow of any ground water contamination from the tank's ring drain. The ring drain water is being pumped into Tank 51 on Tank Farm Five. The Navy currently plans to continue this pumping until the Tank 53 interim ground water contamination recovery system is in operation. In addition, the long-term plan is to treat the water from Tank 51 and the other tanks on the tank farm at the treatment system constructed for the Tank 53 interim remedial action.

SITE 01 - MCALLISTER POINT LANDFILL REMEDIAL MEASURE

TRC Environmental Corporation completed a Focused Feasibility Study (FFS) for the soils operable unit - McAllister Point Landfill. The FFS identified and evaluated alternatives applicable to providing a final source control at the site. The FFS does not address any management of contaminant migration concerns, such as potential risks posed by any leachate

generation, ground water contamination, shoreline contaminated sediments, and hot spot areas. Thus, remedial alternatives considered in the FFS were limited to containment and source control options. The remedial alternative recommended for the site in the FFS is a RCRA Subtitle C multi-layer cap, supplemented by surface controls and institutional controls. A Proposed Plan has also been developed which presents this recommended remedial alternative for the site. To date, the Navy has received comments from the EPA-Region I on both of these documents. The Navy is awaiting comments from the RIDEM on the documents. Comments on the ARARs for the proposed cap are under review and will be provided by the EPA. At the request of the EPA, a preliminary wetlands determination will be conducted at the site next week (week of July 19, 1993). The findings of this preliminary determination will be documented in the administrative record for the proposed remedial action. The EPA-Region I and RIDEM will be meeting independent of the Navy next week to discuss outstanding ARARs issues on the proposed cap. The Navy plans to finalize these documents in preparation for a Public Comment Period for the proposed remedial action. The tentative dates for the start of the Public Comment Period is July 28, 1993 and the Public Meeting is August 18, 1993. The current goal is to proceed with the design of source control operable unit one, capping of the site, and also proceed with additional studies relative to a potential operable unit two, addressing the other site concerns. These studies include ground water modeling, leachate generation projections and ecological risk assessment.

At the request of the Navy, TRC has submitted a cost proposal for conducting the design and field investigations relative to the landfill cap and the additional studies required to assess other potential impacts and concerns. The planned cap design activities include permit evaluations, a landfill gas study, and sediment dredging evaluation.

PHASE II RI/FS STATUS

A final RI/FS Work Plan was issued by the Navy in March 1993. This work plan will be followed for the upcoming Phase II investigations of Site 01 - McAllister Point Landfill and Site 09 - Old Fire Fighting Training Area. Several outstanding issues still remain regarding the Phase II investigations of these two sites. Those issues raised by the RIDEM at this meeting include the following:

Site 01 - McAllister Point Landfill - Number of Subsurface Soil Borings:

The RIDEM has requested that additional borings be considered at the site to locate potential "hot spots" or areas of elevated contamination. These were requested in exchange for the elimination of the Phase II surface soil samples. Given that a source control cap is now planned for the site, the initially planned Phase II surface soil samples were no longer considered necessary at the site.

The Navy feels that without any specific rationale for additional borings at this site, that the Phase I and Phase II subsurface boring locations will likely sufficiently characterize the

subsurface conditions at the site. In addition, soil gas borings are planned in Phase II to further investigate potential hotspots found at the site during Phase I. A map showing the Phase I and Phase II boring and well locations and the planned geotechnical borings locations was handed out at the meeting. A copy of this map is provided as Attachment B.

Site 01 - McAllister Point Landfill - Soil Gas Surveys:

The RIDEM requested that two other locations on the site also be investigated under the soil gas survey planned in Phase II. These additional locations are Phase I borings B-3 and B-7 in the central site area. Soil/waste samples collected from these two locations during Phase I had detected levels of volatile organic compounds.

The Navy said it will consider completing soil gas points at these two locations in Phase II after reviewing the Phase I RI soil boring data.

Dense Nonaqueous Phase Liquids (DNAPLs) Evaluation:

The RIDEM requested that every monitoring well installed at the site in Phase I and Phase II be screened for the presence of DNAPLs. According to the RIDEM, this assessment should include the gauging of every well with an oil/water interface probe.

The Navy feels that a NAPLs assessment of the Phase I wells has already been conducted and will again be conducted under the Phase II sampling of the wells. The presence of NAPLs in the wells was assessed in Phase I during the well boring drilling/sampling, well development, well purging, water level measurements, and ground water sampling activities. In fact, these activities were successful in discovering the presence of NAPLs in several of the Phase I RI wells. Based upon the information gained from these activities (e.g., ground water sample data, visual observations, odors), the Navy believes that further NAPL assessment is justified for several of the Phase I wells. The Navy does not believe it is necessary to introduce an oil/water separator (a potential source of contamination) into every monitoring well, especially those already shown to be clean or have no signs of contamination (e.g., background wells). The Navy will present the RIDEM with a summary table of the Phase I and Phase II wells currently planned for NAPL assessment using an oil/water interface probe in Phase II.

Site 09 - Old Fire Fighting Training Area, Potential Upgradient Contamination Source:

The RIDEM questioned whether the Navy is aware of any potential upgradient ground water contamination sources near this site. If so, the RIDEM may then want to relocate the proposed Phase II location of well nest MW-6.

The Navy stated that there is a potential upgradient source of ground water contamination near this site. The suspected source of contamination are two adjacent oil storage bunkers located in the central portion of Coasters Harbor Island. This oil storage area is already

being investigated under a separate investigation being conducted for the Navy by the Halliburton/NUS Corporation. Under this other investigation, several ground water monitoring wells are planned just upgradient of Site 09. Although the Navy believes that the Work Plan for this investigation has previously been submitted to the Underground Storage Tank section at the RIDEM, the Navy will provide the RIDEM Division of Site Remediation with a copy of the report. The proposed Phase II MW-6 well nest location is planned further upgradient of the site and away from these other wells (and area of concern) for additional background ground water quality information. In addition, the soil gas survey already planned under Phase II will also aid in investigating the suspected upgradient contamination.

Site 12 - Tank Farm Four, Sludge Disposal Area Investigations:

The RIDEM questioned whether the Phase II Work Plan would be revised to address the investigation of the suspected sludge disposal activities at this site.

The Navy stated that the Work Plan for the Phase II investigation of Tank Farm Four and Tank Farm Five will be revised and resubmitted for review and comment by EPA and RIDEM. The Phase II IR Program investigation of these tank farms is currently on hold until funding becomes available.

MELVILLE NORTH LANDFILL SOIL PILES

The Navy's contract bid package for the removal of the "oil-soaked piles" at the Melville North Landfill site has been completed. The State of Rhode Island Department of Transportation has provided the Navy with permission to cross the railroad spur running along the site with the contractors equipment and vehicles. However, the Navy will be required to upgrade the track section at the site crossing. The Navy expects to award the contract for the removal of the soil piles by September 30, 1993.

TANK FARM FOUR - OIL/WATER SEPARATOR

The Navy has developed plans for the removal of the sludge from the oil/water separator on Tank Farm Four. The Navy plans to submit the work plan to the RIDEM on July 23, 1993 for review/comment. The Navy is in the process of completing the contracting for this removal. The Navy expects to be able to award the contract for this work in the near future.

OFF-SHORE RI SAMPLING

Off-shore sampling is currently planned for McAllister Point Landfill (Site 01), Melville North Landfill (Site 02) and Old Fire Fighting Training Area (Site 09). A meeting will be conducted at NETC Newport to discuss the proposed Scope of Work on June 28,- 1993.

Attendees will include NORTHDIV, NETC, USEPA, RIDEM, TRC-EC, Battelle (laboratory), and Menzie-Cura (ecological assessment). An overview of the off-shore sampling program was presented.

Sample Locations

McAllister Point Landfill (Site 01)

- 15 near shore locations (intertidal zone)
- 5 off-shore locations (subtidal zone)

Melville North Landfill (Site 02)

- 6 near shore locations (intertidal zone)
- 3 off-shore locations (subtidal zone)

Old Fire Fighting Training Area (Site 09)

- 6 near shore locations (intertidal zone)
- 3 off-shore locations (subtidal zone)

Background/Reference Stations

- 3 locations (2 on Conanicut Island and one along Aquidneck Island between Sites 01 and 02)

Type of Samples to be Collected

- One sediment sample at each location (a one foot core - top 4 cm. for analysis)
- One hard shell clam and one blue mussel at each location (if present)

Analysis of Samples to be Collected

Sediment

- PAHs (extended list)
- PCBs (extended list)
- TAL Metals
- Acid Volatile Sulfides (AVS)
- TOC
- Grain Size Analysis

Mussels and Clams

- PAHs (extended list)
- PCBs (extended list)

- TAL Metals
- Butyltins (mussels only)

The proposed Sediment and Biota sample locations are shown on figures included as Attachment C. Off-shore sampling is scheduled to begin August 16, 1993.

GENERAL COMMENTS & OPEN DISCUSSION

The 25th TRC meeting for the Newport Installation Restoration Program (IRP) was adjourned at 12:00 P.M. The next TRC meeting is tentatively scheduled for December 16, 1993 at the Public Works Department (Building 1) on the NETC.

ATTACHMENT A
-LIST OF ATTENDEES-

TECHNICAL REVIEW COMMITTEE MEETING

NETC NEWPORT RI.

JULY 15, 1993

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