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DEPARTMENT OF THE NAVY
NAVAL SUBMARINE BASE NEW LONDON
GROTON, CONNECTICUT 06349-5000

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23 AUG 2000

From: Commanding Officer, Naval Submarine Base New London
To: Distribution

Subj: RESTORATION ADVISORY BOARD (RAB) MEETING MINUTES

Encl: (1) Minutes from the 9 Aug 00 RAB meeting

1. Minutes from the 9 August 2000 RAB meeting is attached for review.
2. Please contact Mr. Richard Conant at (860) 694-5176 if you have any comments or questions regarding this matter.

A handwritten signature in black ink, appearing to read "Andrew J. Stackpole".

ANDREW J. STACKPOLE
Environmental Director
By direction of the
Commanding Officer

Enclosure

MINUTES OF RESTORATION ADVISORY BOARD (RAB) MEETING

To: NSB-NLON RAB Meeting Attendees and RAB Members
(See attached Distribution List)

Subject: RAB Meeting Minutes - August 9, 2000
Installation Restoration Program
Naval Submarine Base - New London (NSB-NLON)
Groton, Connecticut

Attendees of the Meeting

Richard Conant	NSB-NLON
Andy Stackpole	NSB-NLON
Mark Evans	Navy
Kimberlee Keckler	EPA
Len Tundermann	Town of Groton
Corey Rich	TtNUS
Bob Mertz	TtNUS
Kevin White	Foster Wheeler
Larry Kahrs	Foster Wheeler
Larry Gibson	RAB
Deborah Downie	RAB
Bart Pearson	RAB
Noah Levine	RAB

Welcome and Introduction

Richard Conant, NSB-NLON, opened the meeting at approximately 6:30 p.m. He informed the RAB of the members (i.e., Darlene Ward, Mark Lewis, and Sue Orrill) that were unable to attend the meeting. He requested comments from the RAB on the meeting minutes from the May 3, 2000 RAB meeting. No comments were received, so the minutes were accepted as prepared. He also provided a brief overview of the agenda for the current meeting.

Goss Cove Landfill Cap Design

Bob Mertz, TtNUS, provided a presentation on the Goss Cove Landfill Cap Design. His presentation summarized the operational history of the landfill, environmental and regulatory issues related to the landfill, and pre-design and design activities completed by TtNUS. He also provided the RAB with samples of cap construction materials for review.

Richard Conant, NSB-NLON, asked what was the life expectancy of the landfill cap. Bob Mertz said that the current design, with proper maintenance, should last more than 30 years.

Bart Pearson, RAB, asked if there would be any chemical/biological reactions that would take place below the cap that could impact the cap and if tidal flushing would still affect the landfill after installation of the cap. Bob Mertz, TtNUS, replied that the current cap design addresses infiltration of rainfall through the waste and direct contact with the waste. He also said that the cap was designed with materials that are resistant to chemical reactions. Mark Evans, Navy, said that groundwater modeling was conducted to evaluate contaminant migration issues and it did not indicate that there was a contaminant migration problem from the landfill. He went on to say that the Navy would implement a groundwater monitoring program after the cap is installed to monitor groundwater quality. Monitoring wells will be installed between the landfill and railroad (downgradient). If any problems are detected during the program, additional actions will be taken to address them.

Noah Levine, RAB, asked how the cap would terminate along the bedrock outcrops and along the Nautilus Museum. Bob Mertz, TtNUS, replied that the cap would be terminated within an impermeable layer of clay along the bedrock. He further stated that along the Nautilus Museum that the cap would be terminated within an impermeable layer of clay or by physically attaching the cap to the grade beams supporting the Museum.

Several RAB members asked if the cap design would restrict upgradient groundwater from flowing on to the site. Bob Mertz, TtNUS, said that the cap would not restrict upgradient groundwater flow and reiterated that the cap was designed to address infiltration of rainfall through the waste and direct contact with the waste.

Mark Evans, Navy, provided the RAB with the proposed schedule for construction of the Goss Cove Landfill storm sewer and cap.

Task	Date
RAC Mobilizes	5 September 2000
Start Storm Sewer Construction	13 October 2000
Finish Storm Sewer Construction	14 December 2000
Start Winter Shutdown	15 December 2000
Finish Winter Shutdown	2 March 2001
Start Cap Construction	5 March 2001
Finish Cap Construction	21 May 2001
RAC Demobilizes	25 May 2001

He said that the winter shutdown period was necessary because the cap materials could not be installed under cold conditions (i.e., below 40°F).

Noah Levine, RAB, asked where the new storm sewer will be located. Bob Mertz, TtNUS, showed the proposed location on a site figure. He also described the details of the proposed storm sewer and its pile supports.

Noah Levine, RAB, asked if there would be any settlement problems after the old storm sewer and surrounding fill material is grouted. Bob Mertz, TtNUS, said that settlement should not be a problem. He also said that anti-seep collars will be installed around the old storm sewer to eliminate any preferential flow pathways. Similar anti-seep collars will also be placed around the new storm sewer.

Basewide Groundwater Operable Unit Remedial Investigation Update

Mark Evans, Navy, provided the RAB with an update on the progress of the Basewide Groundwater OU RI. He discussed the two phases of the investigation (i.e., Phase I and II) and gave the status of the field work at each site. He said that the field work will be completed by the end of August 2000 and the draft RI report is scheduled to be issued in January 2001.

Overbank Disposal Area Northeast Work Plan

Kevin White, Foster Wheeler, gave the RAB an overview of the removal action that will soon be completed at the Overbank Disposal Area Northeast site. Approximately 200 cubic yards of material will be removed from the site. Excavation will continue until confirmatory samples indicate acceptable results. The excavated area will be covered with topsoil and seeded.

Richard Conant, NSB-NLON, asked if Foster Wheeler had determined the disposal facility for the material. Kevin White, Foster Wheeler, said that they are currently in the process of procuring the facility.

Kevin White and Larry Carr, both of Foster Wheeler, also addressed minor questions regarding the Area A Downstream remediation and restoration project.

Draft IR Instructions on Base Land Use

Andy Stackpole, NSB-NLON, provided the RAB with an overview of the instructions being prepared by the Navy for Installation Restoration Site Use Restrictions at Naval Submarine Base - New London. The instructions will be issued by the Commanding Officer and will define the Navy's policy regarding the disturbance of soil or groundwater at Installation Restoration sites. The Area A Landfill and DRMO sites are the main focus of the instructions because caps have been installed at these two landfill sites. After the cap is constructed over the Goss Cove Landfill, it will also be added to the instructions. Similar information regarding IR land use restrictions will be included in the Base Master Plan when it is updated.

Set Future Meeting Date/Adjourn

The next RAB meeting will be held at 12:00 p.m. on November 1, 2000. The meeting will be a tour of the remediated and restored Area A Downstream site. RAB members should contact Richard Conant, NSB-NLON, regarding the tour.

The RAB meeting adjourned at approximately 7:45 p.m.