

**MINUTES OF RESTORATION ADVISORY BOARD (RAB)
MEETING**

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

Subject: RAB Meeting Minutes – May 12, 1999
Installation Restoration Program
Naval Submarine Base - New London (NSB-NLON)
Groton, Connecticut

Attendees of the Meeting

Richard Conant	NSB-NLON
Darlene Ward	NSB-NLON
Andy Stackpole	NSB-NLON
Mark Evans	Navy
Greta Deirocini	Navy
Captain Lincoln	CO SUBBASE
Kymerlee Keckler	EPA
Jim Murphy	EPA
Patti Lynne Tyler	EPA
Joe Fischl	FWENC
Mark Lewis	CTDEP
Brian Losiski	EA Engineering
Jim Ropp	EA Engineering
Larry Kahrs	Foster Wheeler
Rich Duwelius	NCIS
Ron Poole	COMSUBGRU2
Susan Orrill	RAB Co-Chair Member
Noah Levine	RAB Member
Deborah Downie	RAB Member
Bart Pearson	RAB Member

The meeting agenda and attendance sheet are included in Attachment 1.

Welcome and Introduction

Dick Conant opened the meeting at 6:00 p.m. Prior meeting minutes were approved.

The meeting consisted of a site visit to the Area "A" Downstream Site on the Naval Submarine Base, New London. Remediation is scheduled to begin at this site in the summer of 1999.

The following is a chronological list of locations that were visited and any questions that were asked or comments that were made.

- **Earthen berm (Area "A" Landfill site)**

Sue Orrill: Are they monitoring wells?

Dick Conant: They are gas vents. This is Area "A" landfill. Some monitoring wells are being installed.

- **Stream 4**

This forms one of the first streams and it finds its way to the river. Contaminants of concern are pesticides in the streams and metals. In the past the Navy use to put brick pesticide (DDT) in the streams for mosquito control. Some metals contamination probably came from Area "A" Landfill.

This will be the first stream to be worked on when it dries up this summer. This is also going to be the most challenging. They will try to establish a clear channel.

Q. How will it be accessed?

A. It will be accessed with a Bobcat with a small bucket.

Dick Conant noted that this site is considered a Superfund site. The contamination is particular to the streams. There is no threat of danger for the committee members.

He also noted that the red color in the stream sediments is due to a lot of iron in the groundwater.

- **Entrance to the Area "A" Downstream from the west near North Lake.**

In late June they will establish another road. They will take the present section of fence out and install a privacy fence. This will enable the area to be separate and private from on-lookers and give the contractors a place to work.

They will establish a large pad to put the material on. They will coat the pad with quicklime to dry up the material that will be removed from the wetland. The material must be in a solid form to be trucked out. The material will be processed on site. They will be waiting for the streams to dry up so it is easier to handle.

Bart Pearson: Will it get contaminated again once it is mucked out?

Dick Conant: Area "A" is fairly stable because of good growth. We don't think we'll be seeing traveling of contamination.

Bart Pearson: Where that rust area is?

Dick Conant: That red coloring is from the groundwater. We feel there is a separation between groundwater and underneath the cap. It is not mixing.

Mark Evans: We have sampled the rust-colored water and it has come up clean.

Captain Lincoln: Out of the many wells, how many will remain as monitoring?

Dick Conant: Many will be removed.

Mark Evans: As far as this project is concerned, we will do confirmation sampling. There will not be a need for an extensive monitoring program. All the contamination will be removed.

- **Upper Pond**

It is approximately 2"- 4" deep and is dry during the summer. It flows into Triton Road and finds its way to the Thames River.

This was created as a settling basin for dewatering the sediments.

- **Lower Pond**

They detected high pesticide hits in this area. This is the most natural wetland.

Joe Fischl: The goal is to restore the wetlands to pre-remedial conditions. It will maintain the functions and increase the wildlife. They will also be removing some of the phragmites and will try to maintain some sort of control over them.

Dick Conant: There is a low percentage of wildlife due to the population of phragmites. The wetlands are used for flood control and sediment retention.

Captain Lincoln: How do we define sediment as opposed to soil?

Dick Conant: Sediment is in the streams and ponds, and that's where most of the contamination is.

Sue Orrill: Explain why phragmites are so bad.

Dick Conant: It provides some value to wildlife, but actually it's a monoculture. It eliminates other vegetation so there's very little value to wildlife.

Sue Orrill: Are the phragmites the cause of decreased value of the wetlands?

Dick Conant: Not the total blame.

Deborah Downie: The 11,000 yards that you are excavating, will you be replacing it?

Larry Kahrs: Yes, with hydric soil. This will provide a substrate for the plants to grow in.

Deborah Downie: Where will the material go?

Larry Kahrs: Probably Canada or Buffalo, NY. It will go to an approved hazardous waste facility.

Captain Lincoln: It will not be burned.

- **Area south of Upper Pond**

Second water control structure. There were high hits of pesticides in this area. Metals have been detected here and there, but doesn't follow the same pattern as the DDT.

- **Stream 4**

This will be the first phase and the most difficult area. This feeds into the Upper Pond. This will be the start of the clean channel. The water will be treated on-site by a water treatment system then discharged. The water will be sampled.

- **Stream 1**

This wetland will be drained and completely excavated.

Deborah Downie: Was the white well there for a long time?

Dick Conant: It's an Atlantic Environmental well. It's been there for about five years. Tetra Tech's wells are yellow.

Deborah Downie: How many acres need to be remediated?

Dick Conant: This is a ten-acre area.

Larry Kahrs: 2.4 acres need to be remediated.

Deborah Downie: Is there a figure for the remediation cost?

Mark Evans: The contract was awarded for \$5.7M and that is for restoration and monitoring. Project was originally budgeted for \$8M.

Future Meeting Date/Time

Next meeting will be 4 August 1999 at 6:30 p.m.

Meeting Adjourned

Meeting was adjourned at 7:30 p.m.

ATTACHMENT 1

**SUBMARINE BASE NEW LONDON
RESTORATION ADVISORY BOARD
MEETING**

******* 5:45 PM May 12, 1999*******

Area A Downstream Remediation Site
Naval Submarine Base New London
RT. 12 and Crystal Lake Road, Groton, CT

AGENDA

- 1. Tour of Area A Downstream Remediation Site** 60 Minutes
Foster Wheeler, Mark Evans and Dick Conant

All RAB members and participants from the public are to meet at 5:45 PM at the Pass and ID building adjacent to the Subase Main Gate on Crystal Lake Road. Transportation to the site will leave promptly at 6:00 PM. All participants should wear appropriate clothes and footwear for a short hike along unimproved trails in the Area A Downstream site. Following the tour, the RAB will meet briefly at the North Lake Pavilion to conduct administrative business. In case of inclement weather, the RAB meeting will be held in the Environmental Department training room in Building 166

- 2. Review of minutes from the 3 Feb 1999 RAB meeting** 5 Minutes
Dick Conant
- 3. Set Future Meeting Date/Adjourn** 5 Minutes

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