



TETRA TECH NUS, INC.

661 Andersen Drive ■ Pittsburgh, Pennsylvania 15220-2745
(412) 921-7090 ■ FAX (412) 921-4040 ■ www.tetrattech.com

PITT- 01-0-043

MEMORANDUM

DISTRIBUTION: RAB DISTRIBUTION LIST

FROM: Matthew D. Bartman, Project Manager

DATE: January 10, 2000

REFERENCE: CLEAN Contract Number N62472-90-D-1298
Contract Task Order Number 0257

SUBJECT: Minutes from November, 1999 RAB Meeting
Naval Submarine Base - New London
Groton, Connecticut

Tetra Tech NUS, Inc. is pleased to submit on behalf of the United States Navy, Northern Division (NORTHDIV) Naval Facilities Engineering Command and Naval Submarine Base – New London (NSB-NLON), the enclosed meeting minutes from the November, 1999 Restoration Advisory Board meeting.

If you have any questions regarding this submittal, please contact Mr. Mark Evans at (610) 595-0567 (ext. 162).

Sincerely,

A handwritten signature in black ink that reads 'M D Bartman'.

Matthew D. Bartman
Project Manager

Enclosures

c: Mr. Roger Boucher, NORTHDIV (letter only)
Mr. John Trepanowski, TtNUS King of Prussia (1 copy)
File: CTO257/7091

MINUTES FOR RESTORATION ADVISORY BOARD

To: NSB-NLON RAB Meeting Attendees and RAB Members (see Attached)

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

Meeting started at 12:00 p.m.

Meeting minutes from the last meeting were approved.

The meeting consisted of a site visit to the Area "A"
Downstream Site on the Naval Submarine Base, New London.

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

Stream 4

Larry Kahrs, Foster Wheeler Environmental Corporation, stated that they are setting up erosion controls. They are taking material out of the stream and bringing it down to the building. They are setting up stalls so the material can dry and then can be shipped out.

He stated that it's most challenging in terms of heavy equipment. The goal is to disturb the vegetation as little as possible. They are diverting the water out of the worksite and over to OBDA pond. When this is complete, they will transfer material and restore.

Q. How will the material be transported?

A. By excavator.

Q. Is the soil left to dry or is it taken away to dry?

A. A little bit of both. It sits and dries and then kiln dust is added.

Larry Kahrs stated that their goal is that once they reach bedrock they are finished. Parts of the site had to be dug by hand.

Q. Is that organic soil?

A. For the most part, silty sand. There's also clay.

Q. Is it dredge material?

A. Yes, above the clay.

Q. What's the fill material?

A. Large cobble stones and large rocks.

Larry Kahrs stated that they do not want to disturb too much. They are proposing to leave bedrock exposed. This is partly for aesthetic reasons.

Sue Orrill asked what's the completion date for the project.

Kevin White stated that they will work through the winter if possible.

Dick Conant stated that the planting will occur in the spring of next year.

Larry Kahrs stated that Stream 4 is key to the schedule. Once that's clean, they will move on to Stream 3. By then the water will be diverted.

Stream 5

By diverting the water they will have dry conditions. They will have established a clean channel. They will concentrate on upper and lower pond and OBDA.

Kymberlee Keckler asked how they are going to stabilize the area for the winter.

Larry Kahrs stated they will lay a ground cover fiber mat.

Dick Conant asked if they are putting in water breaks.

Larry Kahrs stated, yes. Anything that gets away will be captured and will not be able to leave the site.

Schedule

Larry Kahrs stated that January is the time frame to be finished. (Note: the updated schedule shows the excavation will be completed by early April with interim restoration completed by early June 2000.

Sue Orrill asked if all water is being diverted into the south side, why do you have to change in order to do the other.

Dick Conant clarified and asked why not leave the pipe in place.

Larry Kahrs stated that if we get a heavy rain, it will flow right over it.

Storage Building

Larry Kahrs stated that the building has been designed to last through the winter. The material will go in the building, and it will be tested before it's taken off the site. The building has a sump pump if the soils are wet and the water removed from the soil will be collected.

Q. What do you do with the silt?

A. It gets taken out by running it through filters.

Q. How many people do you have working?

A. Two laborers and two machine operators. We will be adding another operator and maybe one or two more laborers.

Stream 3

This is the stream that comes out of the upper pond. They put up erosion control. It's a reinforced silt fence called "tough guy." They get the water out of the work site and down to the culvert.

The methodology is to clear the vegetation on one side for the equipment and that will allow minimal tree removal.

Q. How many trees need to be taken down?

A. The trees that need to be cleared have already been cleared.

Q. How are you going to restore it?

A. Rock-lined channel, biologs. And the trees and vegetation will be replanted.

Dick Conant stated that they will hydro-seed with a wetland mix.

Deborah Downie asked if there would be confirmatory testing after every portion?

Larry Kahrs stated that they will test 30 foot samples. The side walls and base are field screened here, then it goes to the lab for confirmation.

Q. How much more soil to go?

A. 15,000 tons to go by January.

Q. Are you confident to be done by the onset of excavation?

A. Hope to be done by the end of the year.

Sue Orrill asked what's going to become of the pad area.

Larry Kahrs stated that the asphalt will be removed. The building will be put on another site at the Subase. They will recreate the hills and the upland will be seeded.

Q. Are you monitoring downstream water quality?

A. No. Surface water is not a concern at this site. They have hay bales to stop any sediment from going down to the Thames River.

Future Meeting Date

The next meeting is scheduled for 2 February 2000.

DISTRIBUTION LIST FOR NSB-NLON RAB MEETING MINUTES

Mr. Mark Evans
Naval Facilities Engineering Command
Northern Division
10 Industrial Highway
Mail Stop #82 (Code 1823/ME)
Lester, PA 19113-2090

Mr. Andy Stackpole
Naval Submarine Base - New London
Environmental Department (Bldg. 166)
Box 39
Groton, CT 06349-5039

Mr. Richard Conant
Naval Submarine Base - New London
Environmental Department (Bldg. 166)
Box 39
Groton, CT 06349-5039

Ms. Darlene Ward
Naval Submarine Base - New London
Environmental Department (Bldg. 166)
Box 39
Groton, CT 06349-5039

Ms. Kimberlee Keckler
Remedial Project Manager
U.S. EPA Region I
1 Congress Street
Suite 1100 (HBT)
Boston, MA 02114-2023

Mr. Mark Lewis
CT Dept. of Environmental Protection
Water Management Bureau
Permitting, Enforcement, and
Remediation Division
Federal Remediation Program
79 Elm Street
Hartford, CT 06106

Mrs. Deborah Motycka Downie

Mr. Andrew Parrella

Ms. Susan Orrill

Mr. Norman Richards

Mr. Harry Watson

Captain H. A. Lincoln
Commanding Officer
Submarine Base New London
Box 00
Groton, CT 06349-5000

Mr. Robert Jones
Regional Environmental Coord.
COMSUBGRP2
Box 100
Groton, CT 06349-5100

Mr. Chuck McGuire
CINCLANTFLT
Code N465
Norfolk, VA 23511

Mr. Brian Savageau
New London Health Department
120 Broad Street
New London, CT 06320

Mr. Felix Prokop III
Ledgelight Health District
1 Fort Hill Road
Groton, CT 06340

Mr. Arthur Cohen
Director of Health
Uncas Health District
372 West Main Street
Second Floor
Norwich, CT 06360-5450

Mr. Thomas Wagner

DISTRIBUTION LIST FOR NSB-NLON RAB MEETING MINUTES

Mr. Jim Citak
State of Connecticut
Department of Agriculture
P.O. Box 97
Milford, CT 06460

Ms. Carole Hossam
ATSDR
Mail Stop E-32
1600 Clifton Road, N.E.
Atlanta, GA 30333

Ms. Deborah Jones
Town of Groton
45 Fort Hill Road
Groton, CT 06340

Ms. Pamela Kilbev-Fox

Ms. Janice Peret
Public Affairs Office
Naval Submarine Base - New London
Box 44
Groton, CT 06349-5044

Ms. Andrea Lunsford
Environmental Programs
Navy Environmental Health Center
2510 Walmer Avenue
Norfolk, VA 25313-2617

Kenneth Finkelstein, Ph.D.
National Oceanic and Atmospheric Administration (NOAA)
Office of Ocean Resource Conservation and Assessment
Hazardous Materials Response and Assessment Division
c/o EPA Office of Site Remediation and Restoration (HIO)
J.F.K. Federal Bldg.
Boston, MA 02203

Mr. Bart Pearson

Mr. Noah Levine

Mr. Larry H. Gibson

Mr. Steve Cicoria

Mr. L. J. Chmura (Chairman)
Groton City Conservation Commission
236 Eastern Pt. Road
Groton, CT 06340

Mr. Dave Paskausky
Groton City Conservation Commission
236 Eastern Pt. Road
Groton, CT 06340

Ms. Patti Lynne Tyler
U.S. EPA New England (Region I)
Office of Ecosystem Assessment
60 Westview Street
Lexington, MA 02173

Mr. Corey Rich
Tetra Tech NUS, Inc.
Foster Plaza VII, 661 Andersen Road
Pittsburgh, PA 15220-2745

Mr. Larry Kahrs
Foster Wheeler Environmental Corp.
470 Atlantic Avenue
Boston, MA 02210

Mr. Ronn Poole (JO1)
Naval Submarine Base - New London
COMSUBGRU2
Box 150
Groton, CT 06349-5150

Mr. Rich Duwelius
Naval Submarine Base - New London
NCIS
Box 30
Groton, CT 06349-5030