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ENVIRONMENTAL SERVICES, INC.

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engineers
geologists
scientists

July 17, 1990

Commanding Officer
Northern Division
Naval Facilities Engineering Command
Building 77-L
U.S. Naval Base
Philadelphia, Pennsylvania 19112-5094

ATTN: Adrienne Townsel, EIC/Code 1421

RE: Final TRC Meeting Memo
Installation Restoration Study
Naval Submarine Base - New London
Groton, Connecticut
Contract N62472-88-1294
Atlantic Project No.: 1256-10-90

Dear Adrienne:

Enclosed is one original and one photocopy of Atlantic's TRC Meeting minutes (in memo form) for distribution to the TRC.

Please do not hesitate to contact Paul Burgess or myself if you have any questions or comments.

Very truly yours,

ATLANTIC ENVIRONMENTAL
SERVICES, INC.



Curtis A. Kraemer, P.G.
Senior Hydrogeologist

CAK:clh

cc: William Mansfield, NSB - NLON
(one photocopy only)

MEMORANDUM
JULY 17, 1990

TO: NSB-NLON TRC Members

FROM: Paul Burgess, Project Manager
Atlantic Environmental Services, Inc.

DATE: June 21, 1990 10:10 a.m.

RE: Technical Review Committee Meeting
Installation Restoration Study
Naval Submarine Base - New London
Groton, Connecticut
N62472-88-C1294
Atlantic Project Number: 1256-10-90

ATTENDEES: Curt Kraemer, Atlantic Environmental Services, Inc.
Paul Burgess, Atlantic Environmental Services, Inc.
Joyce Rowley, Town of Ledyard
Paul Marchessault, USEPA
Jim Sebastian, USEPA
Eileen Neilands, NORDIV NAVFACENCOM
Adrienne Townsel, Northern Division - Project Manager
Barbara Strother, Town of Groton
Norman Richards, City of Groton
Michael Powers, CTDEP
Paul Jameson, CTDEP
Bill Mansfield, SUBASE NLON, Environmental Engineer
Jim Fitzpatrick, SUBASE NLON
Thomas V. Wagner, Town of Waterford
Douglas Peabody, Town of Waterford
Tony Gigliotti, Town of Waterford
Perry H. Davis, R.S., City of New London

Mr. Mansfield initiated the meeting and explained that the purpose of the Technical Review Committee (TRC) was to provide technical and community input to the Installation Restoration (IR) Study program.

Mr. Mansfield explained that an Initial Assessment Study (IAS) was started in 1982 and completed in 1983. The IAS included an extensive review of files at the Naval Submarine Base - New London (SUBASE), and numerous interviews with personnel knowledgeable about past SUBASE activities (particularly disposal

activities). A Verification Study was initiated in 1985 and concluded in 1988. This study included the collection of soil, sediment and surface water samples from the Area A Wetlands, the DPDO Area (now known as the DRMO - Defense Reutilization and Marketing Office) and the Overbank Disposal Area. The TRC was formed in 1988 to review the development of the current IR Study.

Mr. Marchessault, of the USEPA, explained that the SUBASE would be listed on the USEPA National Priorities List (NPL), also referred to as "Superfund", within a month. Mr. Marchessault gave a brief explanation of the time frame, the parties involved (USEPA, CTDEP and the Navy), and the Interagency Order that would be developed.

Mr. Burgess, of Atlantic Environmental Services, Inc., presented a brief overview of the IR Study. Mr. Burgess followed the outline in a handout which was given to all attendees of the meeting. The outline presented seven Step I sites and four Step II sites. Step I investigations determine only the presence or absence of contamination; they do not define the nature or extent of contamination, if present. Step II investigations, performed at Step I sites where contamination has been confirmed, define the nature and extent of contamination; they are very detailed and are referred to as Remedial Investigations at Superfund sites. The Step I sites are:

- o CBC Drum Storage
- o Rubble Fill at Bunker A-86
- o Torpedo Shops
- o Goss Cove Landfill
- o Over-Bank Disposal Area - Northeast
- o Spent Acid Storage and Disposal Area
- o Former Gasoline Station

The Step II sites are:

- o Area A (landfill, wetlands and downstream watercourses)
- o Over-Bank Disposal Area
- o DPDO Area (now referred to as the DRMO)
- o Lower SUBASE

After Mr. Burgess' presentation, the meeting was opened to questions and comments (summarized below).

Question

J. Rowley:

In light of some of the contaminants detected to date, how extensive will the radiation surveys be?

Answer

P. Burgess:

All of the landfilled areas will have a detailed, above ground, radiation survey. Additionally, water samples from the Goss Cove (Nautilus) Area, Area A (Landfill, Wetland, and Downstream Watercourses), Overbank Disposal Area, and the DPDO Area will be analyzed for radioactive parameters.

C. Kraemer:

We will also be screening all soil samples, including those samples collected for logging the subsurface geologic conditions, with radiation monitoring equipment.

Question

P. Jameson:

Due to the fact that a container of thorite was identified at the Rubble Fill at Bunker A-86, are you planning any radiation survey for this site?

Answer

P. Burgess:

No radiation survey is planned. However, we will be monitoring for radiation at each site as we collect soil samples.

Question

N. Richards:

Are you planning any sediment sampling in the Thames River?

Answer

C. Kraemer:

Two sediment samples will be collected in the Thames River at two discharge points. The discharged waters originate from Area A. The samples will be collected just a few feet out from the discharge point.

P. Burgess:

Because of the numerous industries on the Thames, we are focusing on the sediments in the surface streams on the SUBASE. If the data suggests contaminants are migrating out into the river, additional river sediment samples could be recommended.

Question

J. Rowley:

What type of aquifer modeling will you be doing to look at the potential for offsite migration of contaminants?

Answer

P. Burgess:

We will be developing ground water flow plans for both the overburden and bedrock aquifers. This will enable us to determine whether there may be any impact to offsite ground water users.

Question

M. Powers:

What type of ability do you have to add to, or modify, the IR Study if certain types of contaminants, such as halogenated volatile organics (more dense than water - tend to sink in the aquifer), are detected?

Answer

A. Townsel:

The contract between Atlantic and the Navy allows for "add-ons" with the realization that a large field program could encounter conditions that require further investigation. It is this flexibility that will allow the IR Study to proceed smoothly.

Question

N. Richards:

Have any PCBs been detected on the SUBASE?

Answer

P. Burgess:

None of the analyses to date have detected any PCBs. However, PCBs have been used on the SUBASE and the IR Study includes analysis for PCBs.

Question

P. Marchessault:

Are you satisfied that your background investigation (IAS) is complete?

Answer

B. Mansfield: I feel very good that the files were thoroughly searched. There may be other sites that we will still learn about, however, I do not think that there is any information in the files that we have not already reviewed.

Question

P. Jameson: I do not see any mention of any off-base sites such as the Dolphin Mart. Are you planning to investigate that site?

Answer

A. Townsel: The Dolphin Mart is covered under a separate contract and is currently under investigation by another consultant.

Question

N. Richards: What type of fuels and persistent contaminants might be associated with the Torpedo Shops?

Answer

B. Mansfield: There are two waste collection systems in use at the facility. One is the sanitary, which, up to 1983, was handled by septic tanks and leachfields, and is now connected to the sanitary. The second collection system is for all the hazardous waste, which is periodically removed and properly disposed of. The main concern is for the random small spillage of wastes into the sanitary system. The primary wastes that may have entered the sanitary system are volatile organics.

Question

N. Richards: What types of batteries and associated wastes are there? Are there any NiCad (nickel-cadmium) batteries?

Answer

B. Mansfield: The only type of battery that was used are World War II vintage lead-acid batteries.

There were no additional questions regarding the "Plan of Action".

Mr. Mansfield initiated a discussion regarding the scheduling of TRC meetings. It was pointed out that some Naval Activities hold TRC meetings as frequently as once a month. Other options discussed were once every two months or at specific milestones. Mr. Powers urged that we meet at specific milestones. There was a consensus amongst the TRC that milestone meetings would be best. Mr. Mansfield indicated that the next meeting should be held after the field work was completed, sometime in the fall; no specific date was set.

Mr. Marchessault indicated that current USEPA guidelines call for the completion of the Remedial Investigation and Feasibility Study (RI/FS) within thirty (30) months after signing the Interagency Agreement. He mentioned that the current USEPA guidelines call for the FS to be conducted concurrently with the RI. Ms. Townsel responded that the existing Project Schedule does include one of the earlier FS tasks, and that the Navy is aware of the RI and FS interaction and scheduling. The FS will be scheduled once the initial set of laboratory data is received and reviewed.

Ms. Townsel asked Mr. Marchessault what the USEPA review process involves and how long it might take to receive comments on the "Plan of Action". Mr. Marchessault indicated that copies of the plan had been distributed to a variety of persons of specific technical backgrounds. He expected comments from those persons by July 4, 1990. He anticipated that the Navy would receive a summary of those comments by the following week.

The meeting was adjourned at about 11:20 AM.


Paul Burgess, P.E.
Project Manager



SUBJECT NSB - NLON IR STUDY TRC MEETING 6-21-90

<u>NAME</u>	<u>REPRESENTING</u>	<u>PHONE NUMBER</u>
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