

MAR 14 1994

Department of the Army
New England Division
Corps of Engineers
ATTN: Richard D. Reardon
Director of Engineering
424 Trapelo Road
Waltham, Massachusetts 02254-9149

Dear Mr. Reardon:

This confirms the meeting between the Army Corps of Engineers, New England Division (NED) and the U.S. Nuclear Regulatory Commission (NRC) at 2:00 p.m. on March 22, 1994 as discussed in telephone conversations between Beverly Lawrence, NED, and Mark R. Bouwens of this office. The representatives from our office scheduled to attend the meeting are listed in the enclosure. As discussed between Ms. Lawrence and Mr. Bouwens, the meeting will take place at 424 Trapelo Road, Waltham, Massachusetts and be open for public observation. We understand that you have made arrangements so that members of the public may access the meeting room. We will make a public announcement about the location, time and purpose of the meeting. You will receive a copy of the announcement.

At the meeting we understand you plan to discuss remediation of the burn pit and the site characterization for the GSA Property. Additionally, we will be prepared to discuss the information needed to complete our review of your investigation of groundwater and subsurface contamination at the GSA Property. In the regard, we have reviewed the Comprehensive Site Assessment, GSA Federal Property Resources Center, Watertown, Massachusetts, by Chem-Nuclear Systems, Inc., dated October 1990 (CNSI Report); the Formerly Utilized MED/AEC Sites Remedial Action Program, Radiological Survey of the Former Watertown Arsenal Property, GSA Site, Watertown, Massachusetts, by Argonne National Laboratory, dated October 1983 (ANL Report); and Letter, dated July 15, 1992, from Richard D. Reardon, U.S. Army of Corps of Engineers, to Mark Bouwens, U.S. Nuclear Regulatory Commission. We need the following additional information in order to complete our review:

1. The ground water gradient data does not conclusively determine the gradient across the site, although the data does show that the site has a shallow water gradient. Another round of ground water level measurements should be made to determine the ground water gradient.

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2. Since the site has a shallow ground water gradient, the ground water movement for the site is very slow. Consequently, only those wells that are very close to the burn pit would detect radioactive material in the ground water if radioactive materials has leached from the burn pit. Therefore, additional groundwater samples should be taken in the area of the burn pit and analyzed for radioactive contamination. The water samples should be collected over narrow zones or within a single hydrostratigraphic unit to allow for a comparison of data. It is our understanding that additional wells have been installed around the burn pit within an approximately 20 foot radius from the center of the burn pit. The data from these wells may be adequate for this purpose. In reviewing the data from the new wells we will consider the location of the wells with respect to the ground water gradient of the site, the zones and hydrostratigraphic unit that the samples were collected, and the proximity of the wells to the burn pit.

While we wish to eventually receive your response to these items in writing, we will be prepared to discuss them at the meeting.

Your initiative in requesting this meeting and cooperation with us is appreciated.

Sincerely,

Original Signed By:

John D. Kinneman, Chief
Site Decommissioning Section
Division of Radiation Safety
and Safeguards

Enclosure:
Expected Attendees

cc:
Department of the Army
U.S. Army Research Laboratory
SLCMT-DDM(5-10c)
ATTN: Jeffrey I. Stieffel
Captain, CM
Acting Commander
405 Arsenal Street
Watertown, Massachusetts 02172-0001

U.S. Army NED

3

Department of the Army
U.S. Army Research Laboratory
ATTN: Peter Cornetta
Radiation Protection Officer
405 Arsenal Street
Watertown, Massachusetts 02172-0001

U.S. Army Materiel Command
ATTN: AMCSF-P (Mr. John Manfre)
5001 Eisenhower Avenue
Alexandria, Virginia 22333-0001

Commander
Department of the Army
Corps of Engineers, New England Division
ATTN: CENED-PD-L (Mr. Dennis Waskiewicz)
424 Trapelo Road
Waltham, Massachusetts 02254-9149

Commander
U.S. Army Toxic and Hazardous Materials Agency
ATTN: CETHA-BC (Mr. Salvatore Torrisi)
Aberdeen Proving Ground, Maryland 21010-5401

Commonwealth of Massachusetts
Department of Health
ATTN: Robert Hallisey
Director
Radiation Control Program
150 Tremont Street
Boston, Massachusetts 02111

U.S. Environmental Protection Agency
ATTN: Ms. Anne Fenn
JFK Federal Building (PAS)
Boston, Massachusetts 02203

U.S. Army NED

4

Commonwealth of Massachusetts
Department of Environmental Protection
Bureau of Waste Site Clean-Up
ATTN: Ms. Anne Malewicz
1 Winter Street, Fifth Floor
Boston, Massachusetts 02108

U.S. Army Research Laboratory
Adelphi Laboratory Center
ATTN: AMSRL-OP-RK-S (M. Borisky)
2800 Powder Mill Road
Adelphi, Maryland 20783

Watertown Main Library
ATTN: Reference Department
123 Main Street
Watertown, MA 02172

U.S. Army NED

5

bcc:

Region I Docket Room (w/concurrences)

M. Bouwens, RI

J. Kinneman, RI

M. Thaggard, NMSS

J. Austin, NMSS

D. Orlando, NMSS

RI:DRSS

Bouwens

MB
03/14/94

~~RI:DRSS~~

~~Kinneman~~

~~03/14/94~~



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

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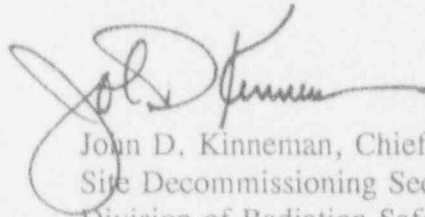
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John D. Kinneman, Chief
Site Decommissioning Section
Division of Radiation Safety
and Safeguards

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cc:
Department of the Army
U.S. Army Research Laboratory
SLCMT-DDM(5-10c)
ATTN: Jeffrey I. Stieffel
Captain, CM
Acting Commander
405 Arsenal Street
Watertown, Massachusetts 02172-0001

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U.S. Army Research Laboratory
ATTN: Peter Cornetta
Radiation Protection Officer
405 Arsenal Street
Watertown, Massachusetts 02172-0001

U.S. Army Materiel Command
ATTN: AMCSF-P (Mr. John Manfre)
5001 Eisenhower Avenue
Alexandria, Virginia 22333-0001

Commander
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Corps of Engineers, New England Division
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Department of Health
ATTN: Robert Hallisey
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JFK Federal Building (PAS)
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4

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ATTN: Ms. Anne Malewicz
1 Winter Street, Fifth Floor
Boston, Massachusetts 02108

U.S. Army Research Laboratory
Adelphi Laboratory Center
ATTN: AMSRL-OP-RK-S (M. Borisky)
2800 Powder Mill Road
Adelphi, Maryland 20783

Watertown Main Library
ATTN: Reference Department
123 Main Street
Watertown, MA 02172

EXPECTED ATTENDEES

This is a list of the NRC representatives who expect to attend the March 22, 1994 meeting between the Army Corps of Engineers, New England Division and the U.S. Nuclear Regulatory Commission.

Charles W. Hehl, Director, Division of Radiation Safety and Safeguards

James H. Joyner, Chief, Facilities Radiological Safety and Safeguards Branch

John D. Kinneman, Chief, Site Decommissioning Section

Mark C. Roberts, Senior Health Physicist, Site Decommissioning Section

Mark R. Bouwens, Project Manager, Health Physicist, Site Decommissioning Section

David J. Chawaga, State Liaison Officer, Office of the Regional Administrator