

PBOW RAB

MARCH RAB MEETING

IT Corporation will make a presentation to the group.

Presentation will include:

Final Groundwater Report

Final Soils Report

Investigation of Groundwater - first round of sampling

November RAB Minutes

The fourth meeting of the Plum Brook Ordnance Works Restoration Advisory Board was convened at 7:00 p.m., 19 November 1997 at the Firelands College Library. Diane Folk, DOD Co-Chair and Project Manager opened the meeting.

Attendees were as follows:

Diane Folk	Carla Ontko
Nancy Stouffer	Mark Bohne
Janet Bohne	Starr Truscott
George Parker	Gilbert Steinen
Peg Kingsley	Mary Thompson

Ms. Folk opened the meeting. She introduced Nancy Stouffer as her replacement as the Project Manager on the Plum Brook Project while she was on maternity leave. Each of the members introduced themselves and welcomed Ms. Stouffer.

Ms. Folk stated that she had spoken with a representative, Mr. Mike Spangberg, from the IT Corporation, Knoxville, TN, to see if they had anyone presently on the Plum Brook site that could come and speak to the RAB members. He said that he didn't have anyone at the site at this time but that he could come from Knoxville and speak to them. Ms. Folk suggested that since he had no results of the samplings to present at this time that he send her a status of what they're doing.

The following is a summary of current and planned environmental investigations, former Plum Brook Ordnance Works, Sandusky, Ohio:

Site-Wide Groundwater Investigation: IT Corporation (IT) is currently under contract to conduct a site-wide groundwater investigation (GWI) at the former PBOW. This GWI includes installation of four overburden monitoring wells and eight bedrock monitoring wells, quarterly groundwater level measurements of 85 monitoring wells, and semi-annual sampling of 59 monitoring wells.

Groundwater samples will be analyzed for volatile organic compounds (VOC), semi-volatile organic compounds (SVOC), nitroaromatic explosives, metals, and PCBs, and water quality parameters.

To date, the monitoring well installation and the first and second quarterly groundwater level measurements have been completed. In addition, IT is approximately 50% complete with the initial groundwater sampling event. It is anticipated that this sampling event will be completed by Thanksgiving 1997.

The third and fourth quarterly groundwater level measurements are scheduled for February and May 1998, respectively. The second groundwater sampling event will also be conducted in May 1998.

Site Investigation of Acid Areas. IT has been contracted to conduct a site investigation (SI) of three former acid areas that were used for the production of acids for the manufacture of explosives during the

PBOW operational period. In addition, this SI includes the collection of background soil samples. A total of 110 soil samples will be collected from 56 soil borings. All samples will be analyzed VOCs, SVOCs, and metals, while selected samples will also be analyzed for nitroaromatic explosives and/or PCBs.

Work plans are currently in preparation for this SI, and it is anticipated that they will be submitted for regulatory review by the end of November 1997. Field work is expected to commence in early 1998.

Risk Assessment and Direct Push Investigation of the Red Water Ponds Areas. IT has been contracted to conduct a direct push investigation of the Red Water Ponds Areas to (1) determine the nature and extent of contamination source areas, (2) define the current and future routes of exposure, (3) characterize the risk to current and future exposed human and/or biotic populations, (4) determine acceptable risk-based cleanup levels, and (5) determine ARARs. The scope of this work includes the collection of soil and groundwater samples from a total of 40 direct push borings around the former Red Water Ponds to delineate the horizontal and vertical extent of contamination. All soil samples will be analyzed for nitroaromatic explosives and metals; selected soil samples will also be analyzed for VOCs, SVOCs, and PCBs. Groundwater samples will be analyzed for nitroaromatic explosives, metals, VOCs, SVOCs, and water quality parameters. Following the completion of the field sampling and analysis of collected samples, IT will complete human health and ecological risk assessments for the Red Water Ponds.

Currently, work plans for this investigation are in preparation and are scheduled for submittal for regulatory review by the end of December 1997. It is anticipated that field work associated with this investigation can begin during the spring of 1998.

Administrative Items:

At the September meeting Ms. Folk stated that she would try and find some information on pilot projects depicting innovative technology. The following information was provided to the RAB members:

TITLE: Innovative Technology Evaluation Report: J. R. Simplot Ex-Situ Bioremediation Technology for Treatment of TNT-Contaminated Soils. Order Number: EPA54OR95529

National Center for Environmental
Publications and Information
P. O. Box 42419, Cincinnati, OH 45242-2419
Phone Number: 800-490-9198
Fax Number: 513-489-8695
Source Name: NCEPI

I had a discussion with Mr. Keith Peacock, NASA Plum Brook Station, concerning the piping with the exposed friable material which can be seen on the site. He stated that all the materials had been tested and found to be non-asbestos containing.

Group Discussion: Have an IT representative speak to the RAB after some of the sampling results were in and use IT as an educational tool on the hows and whys resulting from the samplings.

The RAB group agreed that a meeting in the month of January 1998 was unnecessary. Ms. Folk said that if any sampling results are received they would be transmitted to the group through a newsletter.

Next meeting scheduled for 18 March 7:00 p.m. Firelands College Library.

Mr. Bohne suggested another tour of the project in May (third Wednesday) with the IT representative present to discuss the results of sampling with the group. Ms. Folk and Ms. Stouffer agreed to work toward this.

Meeting adjourned at 8:00 p.m.

NEXT MEETING

March 18, 1998
Firelands College Library
Library Classroom - 7:00 pm

Nancy O. Stouffer, Project Manager

E-mail address:
INET:NANCYS@MAIL.ORH.USACE.ARMY.MIL
TELEPHONE - (304) 529-5035