

**Restoration Advisory Board Meeting Minutes
Ramsey County Public Works Complex
Monday, 7 April 2008 – 7:00 p.m.**

Members Present: Tom Barounis, Paul Bloom, Mike Fix, Jan Heaberlin, Keith Maile, Karie Mars, Robert Ramgren, Lois Rem, Dagmar Romano, Lyle Salmela, and Kay Welsch

Members Absent: None

Visitors Present: See attached sign-in sheet.

The meeting was called to order by Co-Chair Lyle Salmela at 7:02 p.m.

Review

- Agenda
Add discussion of the Site K Soils Engineering Evaluation/Cost Analysis (EE/CA) after the item for the 535 Primer/Tracer Area EE/CA

- Minutes of the Last RAB Meeting
Minutes were approved.

Site C-2 Closeout Report

Through Army review of the preliminary draft report, it was discovered that additional field work is needed for some areas of the site. The work will consist of adding additional soil cover material to meet the four-foot thick requirement. The Army expects to perform the additional work in May. The Closeout Report will then be revised and submitted for review by the MPCA, USEPA, and the RAB.

OU2 Record of Decision (ROD) Amendments and Explanation of Significant Differences (ESDs)

There are a number of modifications to the Operable Unit 2 Record of Decision, which will be documented through two Amendments and two Explanation of Significant Differences (ESDs). The primary changes are to add land use controls as part of the remedy. Drafts of these documents were submitted to the MPCA, USEPA, and the RAB for review on January 23, 2008. Comments were received from the MPCA and USEPA in March. The Army is currently preparing responses to comments and redlined revisions. Once there is general agreement on the draft Amendments and ESDs, a Proposed Plan will be published, and there will be a public comment period, and a public meeting. Tentatively, the meeting will be in July.

Building 102 Groundwater Engineering Evaluation/Cost Analysis (EE/CA)

The Army met with the MPCA and USEPA on January 8, 2008 to discuss the results of groundwater monitoring performed during 2005-2007. It was agreed that enough information had been collected to support the evaluation and selection of a response action for the groundwater contamination. The Army prepared an Engineering Evaluation/Cost Analysis (EE/CA) that discusses the contamination problem and evaluates remedial alternatives. The EE/CA was submitted to the MPCA, USEPA, and the RAB last Friday, and comments are due May 15th. The Army is recommending Monitored Natural Attenuation as the best alternative for this site. There was discussion of the work that Mark Ferrey (MPCA) performed that shows abiotic degradation of chlorinated solvents is occurring in the groundwater at Building 102.

535 Primer/Tracer Area Engineering Evaluation/Cost Analysis (EE/CA)

The Army met with the MPCA and USEPA on January 8, 2008 to discuss the results of soil sampling performed in November 2007 for lead and polycyclic aromatic hydrocarbons (PAHs). It was agreed that additional sampling is needed to better define the extent of contamination of the PAHs. The Army submitted an Addendum to the Quality Assurance Project Plan that outlines the proposed sampling. Comments are due from the MPCA and USEPA on April 14, 2008. The additional sampling will likely be performed in May. Assuming favorable results, the Army will then prepare an EE/CA to evaluate remedial alternatives for the soil contamination.

Site K Soils Engineering Evaluation/Cost Analysis (EE/CA)

Previous investigation work identified a relatively small area (20 feet by 20 feet) of soil contaminated with chlorinated solvents beneath former Building 103. The investigation work was performed by coring through the concrete floor in many locations. The contamination was associated with a degreasing unit. The building was removed a couple of years ago, but the concrete floor slab remains in-place. Alliant Techsystems (ATK), under an agreement with the Army, prepared an Engineering Evaluation/Cost Analysis (EE/CA) to evaluate remedial alternatives for the soil contamination. The report recommends excavation and off-site landfilling for the soil. To access the contaminated soils, a portion of the concrete slab will be removed. The MPCA and USEPA have provided comments on the EE/CA, and ATK/Army are currently working on revisions to the report. The plan is to perform the cleanup work later this year.

Aquatic Feasibility Study

Since the last RAB meeting, the Round Lake Working Group has met twice to discuss technical issues including ecological risk, measurement endpoints, and potential effects related to the U.S. Fish & Wildlife Service management plan to periodically draw down the water levels in the lake. There is another meeting tomorrow, April 8th. There was discussion of the technical challenges associated with the main three remedial alternatives: 1) monitored natural recovery, 2) dredging, and 3) capping. There was also discussion of the U.S. Fish & Wildlife Service management plans for the lake. It is likely that it will be 6 months or longer before a revised Feasibility Study is completed.

TCAAPRAB.ORG

At the last RAB meeting, it was asked how often the TCAAP RAB webpage is visited. During January-March 2008, the webpage was visited approximately 70 times. Of those visits, approximately 25 were from Army and its contractor related to maintenance of the webpage. Another 25 visits came through the link on the City of Arden Hills webpage. The most frequently visited tabs on the RAB webpage are 1) the links, 2) the member list, and 3) the meetings.

It was requested that the Army post the public notice for the ROD Amendment on the RAB webpage.

Committee Reports

- Technical Committee
 - Paul Bloom led discussion on the Evaluation Report for Site A Groundwater. The report discusses the history of the pump and treat system and recommends shutting the system off in favor of letting Monitored Natural Attenuation take care of the

residual groundwater contamination. Similar to the earlier discussion of Building 102, Mark Ferrey (MPCA) has performed studies showing that natural degradation of the contamination is occurring. Paul stated that the report looks good.

- Keith Maile asked about the status of Site I. Mike Fix stated that the groundwater remedy is being revised through the OU2 ROD Amendments discussed earlier, since it was found to be infeasible to pump the perched water beneath Building 502. Previous studies have shown there is soil contamination beneath a few portions of Building 102. The current plan is to transfer the building as is, and have the developer perform the soil remediation work.
- Keith Maile also asked about new monitoring wells that he has observed in Long Lake Regional Park. Dagmar Romano (MPCA) stated that the wells are related to re-development activities near the park, and not TCAAP. There was also discussion of the finding of trichloroethylene in Long Lake. Dagmar said she would provide more information on this matter to Keith.

- Communications and Membership Committee
 - No activity to report.

Other

- Some items on the agenda for the next RAB meeting are: Site C-2 closeout report; OU2 ROD Amendment/ESDs; Building 102 Groundwater EE/CA; 535 Primer/Tracer Area EE/CA; Site K Soils EE/CA; and Aquatic FS.

Adjournment

There being no further business, Lyle Salmela adjourned the meeting at 8:00 p.m.