

## **ENGINEERING FORUM TELECONFERENCE MINUTES**

**July 11, 2007**

### **TOPICS IN THIS MONTH'S MINUTES:**

#### ***NEW EF CO-CHAIR***

#### ***UNIVERSITY OF ARIZONA SUPERFUND BASIC RESEARCH PROGRAM***

#### ***CO-CHAIR CALL UPDATE***

#### ***STATUS OF EVERGREEN LIST***

#### ***UPDATE ON PROPOSED FALL MEETING IN LAS VEGAS***

#### ***INCREASING STATE PARTICIPATION***

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#### ***NEW EF CO-CHAIR***

Congratulations to new co-chair Gary Miller from Region 6! He starts his 2-year tenure today.

#### ***UNIVERSITY OF ARIZONA SUPERFUND BASIC RESEARCH PROGRAM***

Monica Ramirez, Research Translation Coordinator, summarized the University of Arizona Superfund Basic Research Program (SBRP) and wanted to know if their current research matches some of the priorities of the Engineering Forum. There are several SBRPs across the U.S. The University of Arizona's program emphasizes hazardous waste issues in the arid and semiarid areas of the southwestern U.S. and along the Mexican border, although these issues are not necessarily limited to the southwest. There are five ongoing biomedical research projects and four environmental research projects to investigate technologies to mitigate risk, including:

- New technologies for the remediation of halogenated organics;
- Mass-transfer dynamics of chlorinated-solvent immiscible liquids in porous media;
- Removal technologies and residuals disposal for arsenic in water; and
- Phytostabilization of mine tailings.

Monica's presentation can be viewed or downloaded at

[http://superfund.pharmacy.arizona.edu/cpg/albums/userpics/10030/MDR\\_EPA\\_Engineering\\_Forum.pdf](http://superfund.pharmacy.arizona.edu/cpg/albums/userpics/10030/MDR_EPA_Engineering_Forum.pdf).

For more information on the SBRP in general, visit <http://www-apps.niehs.nih.gov/sbrp/index.cfm>.

In addition, the University of Arizona SBRP is sponsoring a web seminar entitled "Phytostabilization of Mine Tailings in Arid and Semi-Arid Environments" on Wednesday, July 25, from 2:00 PM - 3:00 PM, EDT. For more information and to register, go to: <http://www.clu-in.org/conf/tio/phytostabilization/>

#### ***CO-CHAIR CALL UPDATE***

Co-chair Mike Gill (Region 9 STL) updated the forum with information from the June 19<sup>th</sup> TSP co-chair teleconference. Linda Fiedler (TIFSD) had noted the need to develop an agenda early enough to be able get more state representatives to attend. Many state staff need to present an agenda to their management well in advance of a meeting in order to get approval to attend. In addition, the forum members discussed dissemination of the *Highlights* newsletter from the NARPM 2007 conference, which will be e-mailed to EPA subscribers of TechDirect. In addition, co-chairs and forum members will likely need to distribute the newsletter to regional staff.

#### ***STATUS OF EVERGREEN LIST***

Forum members summarized the status of every activity currently on the forum's Evergreen List.

*Ex-Situ Treatment of Oxygenated Hydrocarbons & Perchlorates in Groundwater:* Mike Gill sent comments on the document to Dave Reisman (ORD/NERL-Cincinnati) this week. Dave must contact the U.S. Army Corps of Engineers (USACE) to discuss some of their comments.

*Technology Alternatives for the Remediation of Soil and Sediment Contaminated with PCBs:* Dave Reisman received and addressed late sets of comments on the document from Jon Josephs (Region 2 STL) and Marlene Berg (OSRTI). The document should be published by this fall.

*Evapotranspiration Covers:* Bernie Schorle will contact Steve Rock (ORD) about the status of this document.

*Indoor Air Vapor Intrusion Mitigation Approaches:* Peer review comments were due to Ray Cody (Region 1) by June 8. Mike will contact Ray to find out the status of the document.

*In Situ Thermal Treatment:* Leo Romanowski (Region 4) indicated that Eva Davis (ORD/NRMRL-Ada) planned to finish the draft of this document in June.

*Guide of Online Remediation Technologies Databases and Resources:* This document is finished, but must be formatted before publication. EMS will take care of the formatting once it receives technical direction from Headquarters.

*Lessons Learned from Use of In-Situ Chemical Oxidation (ISCO):* Regional EF reps will send an e-mail to the Regional offices requesting lessons learned from the use of ISCO at sites with an explanation of how to organize the information. This is based on a draft put together by Hilary Thornton.

*Standard Operating Procedures (SOP) for O&M Reporting:* Bill Rothenmeyer (Region 8) reported that no progress has been made on the SOP. Andy Palestini (Region 3) volunteered to participate on this workgroup. As a guide, Mike Davis (Region 7) agreed to share a checklist that RCRA uses for similar reporting.

*Roundtable Session on Permeable Reactive Zones at the Fall Meeting in Las Vegas:* Sandra Bourgeois (Region 8) volunteered to participate on this workgroup. Dave Reisman (ORD) suggested that the acronym "PRB" may be copywritten by University of Waterloo, the original developer, and that the name permeable reactive zones (PRZs) should be used.

*Summary of Material-Handling Equipment:* Don Bahnke (Region 7) is continuing to draft this document but needs feedback from the forum to make sure it will meet their needs. He will post the draft on the Science Connector for review by September 1. Mike Davis (Region 7) volunteered to help.

*Standard Approach for Documenting O&M in Preparation for Transfer of Sites to the State:* Jon Bornholm (Region 4) and Lindsey Lien (USACE) have been trading voice mails regarding this project, but no progress has been made. They will add it to the Las Vegas TSP business session agenda to allow more time for discussion.

*RD/RA Handbook:* The forum determined that updating the handbook, which is at least 10 years old, is too large of a project to take on. They agreed to delete this activity from the Evergreen List.

### ***Updating the Engineering Forum Evergreen List***

Here are some general directions for accessing the Science Connector and updating the Engineering Forum Evergreen List.

1. Go to Login web page:  
[http://badger.epa.gov/portal/page?\\_pageid=776,1572655&\\_dad=portal&\\_schema=PORTAL](http://badger.epa.gov/portal/page?_pageid=776,1572655&_dad=portal&_schema=PORTAL)
2. On the right is the login icon (the keys). Click on it.

3. Login using your LAN login name and password. (If you are new to the Engineering Forum, you need to be "invited" to join the EF "Project", so send Mike Gill your name and he will get you access.)
4. On the top left, under "My Projects", you should see "Superfund/RCRA Engineering Forum". Click on that.
5. Now, sort of in the center of the page, you'll see a box labeled "Project Resources". Within it are two folders called "Document" and "Publication." Click on "Document" to see the Evergreen List and other posted files. The Publications folder is where we post presentations heard on the EF calls.
6. Now you can download the Evergreen List (and other info) and read it or update it. To update it, please follow these instructions:

- Update it with your latest info and include the rev date on the top of the first page
- Resave it with a new name which includes the current date (e.g. "EF Evergreen List and Workgroups 7-11-07.wpd")
- Upload it to "Document" folder using UPLOAD TOOLS FROM DESKTOP under "Actions"
- Delete the old version from the Evergreen List. (Delete command is also under "Actions")

### ***UPDATE ON PROPOSED FALL MEETING IN LAS VEGAS***

The tentative agenda for the meeting proposed to be held at the National Exposure Research Laboratory in Las Vegas the week of November 5<sup>th</sup> is as follows:

- Monday: Travel day for Engineering and Federal Facilities Forum. Afternoon business session for the Ground Water Forum.
- Tuesday morning: Opening plenary session with laboratory. Presentations on research and perhaps a brief tour of facilities.
- Tuesday afternoon: Forum business sessions.
- Wednesday morning: Plenary session. Headquarters' expectations for the TSP. Inter-Forum discussion of: Where will forums be in five years? How to increase effectiveness of the TSP if there is only one meeting per year?
- Wednesday afternoon: Forum business sessions.
- Thursday morning: Probable half-day field trip to AMPAC and Tronox sites for overview of perchlorate treatment systems.
- Thursday afternoon: Possible forum business sessions.

The Engineering Forum discussed potential business session activities, including reviewing documents, brainstorming, working on ongoing products, and planning the roundtable on permeable reactive zones for the NARPM 2008 conference. The forum has to let Kelly Madalinski (TIFSD) know if invitational travel money is needed for expert speakers.

### ***INCREASING STATE PARTICIPATION***

The Engineering Forum is interested in increasing participation from state agencies. The co-chairs are waiting for NARPM to send them a list of state attendees in order to distribute an invitation to join. Jim Harrington (NYSDEC) also suggested using the membership list of the Environmental Research Institute of the States (the umbrella organization for ITRC) and offered to provide it to the co-chairs. He added that it would be more effective to send invitations to those at the staff-level rather than at the management-level. Dave Reisman also offered to contact Joan Fisk Neptune (OSWER) for a list of state staff.

### ***ATTENDEES***

Stephanie Vaughn, Region 2  
 Kevin Bilash, Region 3  
 Andy Palestini, Region 3  
 Hilary Thornton, Region 3  
 Jon Bornholm, Region 4  
 Leo Romanowsk, Region 4  
 Bernie Schorle, Region 5  
 Dave Seely, Region 5

Terry Burton, Region 5 STL  
 Gary Miller, Region 6  
 Don Bahnke, Region 7  
 Mike Davis, Region 7  
 Sandra Bourgeois, Region 8  
 Bill Rothenmeyer, Region 8  
 Mike Gill, Region 9 STL  
 Jim Harrington, NYSDEC

Amanda Dellens, TIFSD intern  
David Reisman, ORD/NERL-Cincinnati

Lindsey Lien, USACE  
D. Dopkin, EMS, Inc.

*In an effort to foster scientific and technical advances in characterization, monitoring and remediation of contaminated sites, the EPA Technical Support Project encourages full and frank discussion of all technical matters and related issues that come before it. Information presented in these minutes represent the views of the participants and has not received formal EPA peer review. Therefore, this information does not necessarily reflect the views of EPA or other participating organizations, and no official endorsement should be inferred. The information is not intended, nor can it be relied upon, to create any rights enforceable by any party in litigation with the United States or any other party. Use or mention of trade names does not constitute an endorsement or recommendation for use. Errors and omissions in the information will be corrected as they are found and time permits.*