

## **ENGINEERING FORUM TELECONFERENCE MINUTES**

**March 7, 2007**

### **TOPICS IN THIS MONTH'S MINUTES:** **TIFSD REQUEST FOR NAPL PROJECTS**

#### **TECHNICAL TOPIC**

#### **SPRING 2007 NARPM MEETING**

#### **POSSIBLE COLLABORATION WITH ITRC**

#### **FALL 2007 TSP MEETING**

#### **EPA SCIENCE CONNECTOR**

#### **EF PRODUCTS UPDATE**

#### **EF MEMBERSHIP DRIVE**

---

### **TIFSD REQUEST FOR NAPL PROJECTS**

Presentations at several recent hazardous waste conferences indicate that active attention to NAPL contamination is becoming an increasingly prevalent practice, particularly at non-NPL sites. Other trends of interest include combining remedies either sequentially to address the same volume or spatially to address both free product and dissolved-phase components. TIFSD has considerable visibility into these activities through technical support activities and data compilations such as the Annual Status Report and case studies through the Federal Remediation Technologies Roundtable (FRTR); however, it is likely that there are interesting completed and/or ongoing projects that TIFSD is not aware of.

Jim Cummings (TIFSD) asked the Engineering Forum (EF) for help in identifying such projects and to bring them to the next EF meeting for discussion. While the material collected and presented would not necessarily rise to the level of a completed case study, Jim would like to see enough information to understand the project and provoke discussion. Besides their historical FRTR case studies, TIFSD is actively preparing compilations of case studies on combined remedies. Where appropriate, TIFSD will work with EF members and RPMs/OSCs to flesh out the project summaries. Jim said he is interested in both PRP- and fund-lead sites as well as removal and remedial actions. Contaminants of interest include chlorinated solvents, polycyclic aromatic hydrocarbons from wood treaters and former manufactured gas plants, and petroleum hydrocarbons. Jim said he is not interested in classical ex-situ onsite or offsite treatment technologies that lack a secondary component.

Following up on a question by Bill Rothenmeyer (Region 8), Jim noted that TIFSD also is interested in RCRA corrective action sites. Jim said he is interested in both remedial and removal projects, and sites that are PRP- or fund-lead. Projects need not be completed or nearing completion for inclusion, but a decision document or ROD should be in place. Jim also encouraged EF members to forward him any sites where there has been a *quid pro quo* between regulators and PRPs. Jim will send the EF a list of sites that TIFSD already is aware of. Mike Gill (Region 9 HSTL) suggested that Jim include a list of five questions that might help narrow down the range and scope of sites that might be of interest to him.

#### **TECHNICAL TOPIC**

Mike Davis (Region 7) asked if any EF members had ever used a product manufactured by RPI Remediation Products called Trap & Treat® BOS 100®. At a RCRA facility in Region 7, a plume of chlorinated solvents (primarily PCE and degradation products) has made its way into the groundwater. The facility initially proposed to use the injectant Trap & Treat® BOS 100®, which consists of granular carbon embedded with iron reactant, to trap contaminants and treat them through a reductive

dechlorination process. Mike noted that the product is not nano-scale. Leo Romanowski (Region 4) suggested that Mike contact Arun Gavaskar with Battelle and will forward Mike his email address. Kelly Madalinski (TIFSD) will forward Mike contact information for a few individuals who have done work with zero valent iron. Mike Gill will send Mike Davis a presentation given by a group that used zero valent iron in a clay slurry.

### ***SPRING 2007 NARPM MEETING***

The spring 2007 NARPM meeting most likely will be held in Baltimore, MD. The EF decided to hold its business sessions on Monday morning and Thursday afternoon. Hilary Thornton (Region 3) reported that Tetra Tech has asked for abstracts for all NARPM presentations, including the names of presenters, by March 9. The EF has not yet identified presenters for its sessions. EF members decided to provide Tetra Tech with the names of the session chairs—Mike Gill for the nanotechnologies session and Steve Kinser for the remedial technologies session. Mike will send the technical session abstracts to Steve, who will then forward them to Tetra Tech. Steve will list presenters as “Engineering Forum members.”

### ***POSSIBLE COLLABORATION WITH ITRC***

Ellen Rubin (TIFSD) was planning to attend the Interstate Technology and Regulatory Council’s (ITRC’s) annual meeting this year to explore opportunities for increasing collaboration between TSP and ITRC, but now may not attend on account of going on detail.

### ***FALL 2007 TSP MEETING***

The TSP co-chairs have drafted a proposal for having a fall TSP meeting and have submitted the justification to TIFSD for consideration. The co-chairs proposed holding the meeting in Las Vegas so that participants can coordinate with the National Exposure Research Laboratory (NERL). The proposed agenda includes one full day of EF business sessions, one day of TSP sessions, and one day at NERL. The co-chairs stressed that HQ will be looking for concrete work products from this meeting. The meeting is tentatively scheduled for the week of November 5, 2007.

### ***EPA SCIENCE CONNECTOR***

Mike Gill created an EF “project” on the internal EPA file sharing tool called Science Connector. This program will allow EF members to create, store, share, edit, and update documents such as the evergreen list. EPA employees already have been sent an invitation to join and can log on by following these steps:

1. Go to the webpage: <http://portal.epa.gov/ESC>
2. Log in (as you do on your EPA computer in the morning)
3. Click on the Project of interest on the left hand side of the page under "My Projects" (Ours is the "Superfund / RCRA Engineering Forum")
4. From here, you can use the tools within this "project." These include a calendar and files that have been posted. For now, using the Science Connector as a "server" seems to be the best application.

Non-EPA employees should have received an invitation to join the group. Detailed access instructions were included in an email sent by Mike Gill on March 9, 2007. If you did not received this email, or if you accidentally deleted it, please email Keith Arnold (EMS) at [keith.arnold@emsus.com](mailto:keith.arnold@emsus.com) for a copy. Hilary Thornton has made several changes to the evergreen list of technical topics. EF members can now log on and make changes to this document. Hilary also has posted summaries of previous EF roundtable discussions on Science Connector.

### ***EF PRODUCTS UPDATE***

The oxygenates issue paper is still being revised by NRMRL-Cincinnati. Some EF members were concerned that the paper has been undergoing review for so long that the information might be outdated. Mike Gill distributed a copy of the paper to EF members immediately following the EF teleconference. EF members should review the draft so they can actively participate in a discussion of the document during the April EF teleconference.

## **EF MEMBERSHIP DRIVE**

Mike Gill revised the solicitation for new members and sent it to Regional EF representatives for distribution to RPMs and RCRA staff on March 9. Kelly Madalinski asked EF members if HQ could do anything to help Regional management understand the importance of TSP to technical transfer. Kelly said that he may have someone from TIFSD participate on a future division director's call.

### **ATTENDEES**

Stephanie Vaughn, Region 2  
Fred MacMillan, Region 3  
Andy Palestini, Region 3  
Hilary Thornton, Region 3  
Leo Romanowski, Region 4  
Tony Holoska, Region 5  
Bernie Schorle, Region 5  
David Seely, Region 5  
Gary Miller, Region 6  
Carlos Sanchez, Region 6  
Mike Davis, Region 7

Steve Kinser, Region 7  
Sandra Bourgeois, Region 8  
Bill Rothenmeyer, Region 8  
Harry Ball, Region 9  
Mike Gill, Region 9 HSTL  
Neil Thompson, Region 10  
Jim Cummings, TIFSD  
Kelly Madalinski, TIFSD  
Lindsey Lien, USACE  
Greg Mellema, USACE  
Keith Arnold, 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.*