

ENGINEERING FORUM TELECONFERENCE MINUTES

February 2, 2005

TOPICS IN THIS MONTH'S MINUTES:

TRIAD OVERVIEW

SPRING 2005 NARPM MEETING PLANNING

FALL 2005 TSP MEETING PLANNING

PROJECT UPDATES

- **Evergreen List of Technical Topics**
 - **TSP Web Site Revision**
 - **Co-Chair Election**
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Triad Overview

At the request of EF members, Deana Crumbling and Dan Powell (both with TIFSD) presented a general overview of the Triad approach. Deana began by emphasizing that Triad is *not*:

- A justification for using field analytics or conducting field analysis without proper infield quality control;
- A license for writing vague workplans;
- A means of escaping regulations; or
- Only relevant to the site characterization phase of a project.

The Triad approach to decision-making for hazardous waste sites offers a technically defensible methodology for managing decision uncertainty that leverages innovative characterization tools and strategies. The Triad refers to three primary components: systematic planning, dynamic work strategies, and real-time measurement systems. Real-time measurement technologies return results quickly enough to influence the progress of data collection and field activities. The Triad approach is not new, but it remains innovative because it is designed to adapt and evolve as new tools and methods for assessing and cleaning up sites are introduced. Triad can reduce data collection costs, expedite schedules, enhance stakeholder concurrence, and improve site decision making. Deana said that using the Triad approach can result in cost savings of up to 50 percent over the lifetime of a project.

Dan Powell noted that OSRTI is developing a profiles database of more than 40 projects that have used the Triad approach, 17 of which are complete or nearly complete. These profiles will be made available at www.triadcentral.org.

Frank Vavra (Region 3) said that he investigated using the Triad approach at Aberdeen, but the concept of instantaneous response made the approach infeasible. Region 3's support section is spread thin, making it difficult to get rapid response to fields results. Deana noted that comprehensive systematic planning is essential to working through resource issues. Decision trees can help with routine field decisions, thereby lessening the burden on the support section. Dan asked that Frank, and any other EF members who have considered using Triad, email any problems, concerns, or questions to him so that TIFSD can devise management solutions to common problems. Dan mentioned that the Air Force is using the Triad approach at three pilot sites, each of which has a Triad mentor who helps work through institutional hurdles. These mentors are especially helpful during the systematic planning process.

Spring 2005 NARPM Meeting Planning

An updated agenda for the Spring 2005 NARPM meeting was distributed to all EF members. Sharon Hayes (Region 1) commented that she would like to see more information listed about each session than is currently available. Registration for the meeting will open in late March or early April. EF business

sessions are scheduled for Monday afternoon (3:30-5:30 PM) and Thursday morning (8:00-10:30 AM). Mary Cooke (NARPM) informed the co-chairs of a potential conflict with the business session on Thursday morning, and said the EF may need to change the date of this business session to Wednesday. Sharon agreed to contact Mary after the teleconference to discuss this issue in greater detail.

Fall 2005 TSP Meeting Planning

The members of the fall 2005 meeting planning subcommittee (Bill Rothenmeyer (Region 8), Gene Keepper (Region 6), Sharon Hayes, Steve Kinser (Region 7), and Bernie Schorle (Region 5) will participate on a planning teleconference on February 3 to discuss possible meeting locations and focus areas. They will report back to the EF during the March 2 EF teleconference. If any EF members have ideas for topics, they should forward them to the co-chairs. If the EF would like to pursue Triad as a topic, they should inform Kelly, who can suggest potential panelists and pertinent case studies.

Evergreen List of Technical Topics

Hilary Thornton (Region 3) distributed an updated version of the “Evergreen” list of technical topics to EF members, and reviewed the list during the call. Hilary said the list that was discussed at the fall 2004 TSP meeting in Sacramento was outdated. The more current list was updated by Mark Granger (Region 2) following the fall 2003 TSP meeting in Niagara Falls. Hilary combined topics from the new and old lists and solicited feedback from the EF on the consolidated list. The EF discussed each of the issue papers and high priority topics, noting progress made and actions to be taken.

Issue Papers

- **Considerations in Deciding to Treat Contaminated Soils In Situ:** Undergoing final clearance and will be sent to the publisher next week;
- **Remedial Process Screening Data Collection and Analysis:** Undergoing revision by Ed Mead (USACE);
- **Engineering and Physical Property Test Protocols for Treatability Studies and RD:** (Deleted from issue paper topics and moved to technical topics; Hilary will contact JoAnn Camacho (ERT-Edison) to get more information on this topic;
- **Ex-Situ Treatment of Oxygenated Hydrocarbons and Perchlorate in Ground Water:** Paper submitted to the publications group, awaiting final clearance from management; EF lead changed to Frank Vavra.

High Priority Topics for Future Consideration

- **SOP for O&M Reporting for (Insert Specific Technology):** No progress to date;
- **RD/RA Handbook:** No progress to date;
- **Design Considerations for Site-Reuse Engineering:** Topic related to vapor intrusion training (NARPM) and paper (fall 2005 meeting); EF leads are Ray Cody (Region 1) and Frank Vavra;
- **SVE Implementation and Optimization:** Hilary will follow up with Tony Holoska (Region 4) regarding this topic;
- **Tracking “Lessons Learned” from Removal Actions:** Hilary will follow up with Mike Gill (Region 9 HSTL) regarding this topic;
- **Stormwater Control at Remediation Sites:** Topic will be discussed at NARPM; EF leads are Bill Rothenmeyer (Region 8) and Steve Kinser (Region 7).

Dave Reisman (NRMRL-Cinc.) will send Hilary a list of the names of the new engineering bulletins. Bill Rothenmeyer will call Dave Reisman to get information on RCRA-related stormwater case studies. Hilary will send an updated Evergreen list to EF members before the next teleconference.

TSP Website Revision

TIFSD has decided to update the TSP web site. Any suggestions for updates or new features should be sent to one of the co-chairs, Kelly Madalinski, or EMS.

Co-Chair Election

Gene Keepper's (Region 6) co-chair term expires at the spring meeting in Phoenix. EF members should begin thinking about nominating themselves or another EF member to assume Gene's position. This issue will be discussed in greater detail during the next EF teleconference.

ATTENDEES

Sharon Hayes, Region 1
Ray Cody, Region 1
Hilary Thornton, Region 3
Frank Vavra, Region 3
Jon Bornholm, Region 4
Leo Romanowski, Region 4
Jim Smith, Region 4
Tony Holoska, Region 5
Bernie Schorle, Region 5
Gary Miller, Region 6
Steve Kinser, Region 7

Bill Rothenmeyer, Region 8
Harry Ball, Region 9
Deana Crumbling, TIFSD
Kelly Madalinski, TIFSD
Dan Powell, TIFSD
Dave Reisman, NRMRL-Cinc.
Marta Richards, NRMRL-Cinc.
Dave Jaros, USACE
Ed Mead, USACE
Keith Arnold, EMS, Inc.

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