

**FEDERAL REMEDIATION TECHNOLOGIES ROUNDTABLE FALL 2019 Meeting**

***Synthesizing Evolving Conceptual Site Models (CSMs) with Applicable Remediation Technologies***

USGS Headquarters | 12201 Sunrise Valley Drive, Reston, VA 20192

Dallas L. Peck Memorial Auditorium

November 13, 2019

**Meeting Objectives:**

- Discuss the importance of developing robust CSMs with site-specific data (i.e., past, present and future) to support remedial technology selection and proper application.
- Discuss the use of performance monitoring to test, update, and confirm CSMs to ensure remediation effectiveness.
- Review case studies where CSMs have evolved to address and resolve remedial technology limitations and to demonstrate remedial successes.
- Discuss the relationship between CSM characterization and contaminant monitoring and modeling at various temporal and spatial scales to support remedial decision making.

8:30	<p><b>Welcome</b> <i>Pierre Glynn, Acting Branch Chief, Hydro-Ecological Interactions Branch, U.S. Geological Survey</i></p>
8:30	<p><b>Meeting Objectives &amp; Administrative Business</b> <i>Kent Glover, Chair, FRTR Steering Committee, U.S. Air Force Civil Engineering Center</i> <i>Ed Gilbert, U.S. Environmental Protection Agency (Meeting Moderator)</i></p>
8:45	<p><b>The Evolving Conceptual Site Model and Remedial Technology Selection</b> <i>Kathryn Flynn, U.S. Environmental Protection Agency, Region 2</i></p>
9:25	<p><b>ITRC's DRAFT Document: Optimizing Injection Strategies and In Situ Remediation Performance</b> <i>Kristopher McCandless, CPG, Virginia Department of Environmental Quality</i> <i>Team Leads: David Scheer, PG, Minnesota Pollution Control Agency and Janet S. Waldron, Massachusetts Department of Environmental Protection</i></p>
10:05	<p><b>AGENCY NETWORKING BREAK</b></p>
10:30	<p><b>Developing a CSM to Inform Application of Bioremediation in Fractured Rock</b> <i>Claire Tiedeman, Allen Shapiro, Paul Hsieh, Tom Imbrigiotta, and Dan Goode, U.S. Geological Survey</i></p>
11:10	<p><b>Using Remedy Implementation Information to Guide Remedy Optimization</b> <i>Kate Amrhein, Department of Energy Richland Operations Office; Emerald Laija, U.S. Environmental Protection Agency; and Michael Truex, Pacific Northwest National Laboratory</i></p>
11:50	<p><b>LUNCH</b> (available for purchase in the USGS Cafeteria)</p>
1:00	<p>Agency Announcements</p>
1:30	<p><b>Kirtland Bulk Fuels Facility Plume: Benefits of CSM-Driven Remediation</b> <i>Kent Glover and John Gillespie, U.S. Air Force Civil Engineering Center; and Colin Plank, Burns &amp; McDonnell</i></p>

2:10	<b>NRC Staff Experience with Conceptual Site Models from Development and Testing to Lessons Learned</b> <i>George Alexander, U.S. Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards</i>
2:50	<b>AGENCY NETWORKING BREAK</b>
3:15	<b>Roundtable Discussion with Presenters and FRTR Agencies</b> <b><i>Synthesizing Evolving Conceptual Site Models (CSMs) with Applicable Remediation Technologies</i></b> (Audience participation encouraged)
4:20	<b>Action Items</b>
4:30	<b>ADJOURN</b>