

FRTR SPRING 2025 General Meeting

Innovative Approaches to Characterization and Survey of Complex Mixtures of Contaminants in Support of End-State Regulatory Compliance

Meeting Objective

The Spring 2025 General Meeting of the FRTR focuses on innovative approaches to characterize and survey complex mixtures of legacy and emerging contaminants in surface and subsurface environmental media. These include characterization of PFAS mixed with legacy contaminants, and the survey of organo-metallic and radiological contaminants to advance industrial application, enhance efficiency and reduce cost of remediation.

Presentations and discussions will address innovative technologies for:

- Identification and definition of contaminant extent in three-dimensions
- Contaminant sampling and surveying using modeling and statistical approaches
- Developing Visual Sampling Plans
- Supporting regulatory compliance and end-state remediation and cleanup decisions

Session 1 -- Strategies

May 13, 2025

1:00 PM to 5:00 PM Eastern Time

Virtual Web-Based Meeting

12:45 pm	Meeting Web Link Goes Active for Participants to Join
1:00 pm	Welcome and Web-Based Meeting Logistics <i>Jean Balent, EPA</i>
1:10 pm	Meeting Objectives <i>Kent Glover, AFCEC</i>
1:20 pm	Crosswalk Between Legacy and Emerging Contaminants <i>Caroline (Cal) Baier-Anderson - EPA, FFRRO</i>
1:45 pm	MARSSIM Approach to Conducting Survey of Surface Residual Radioactivity and Other Related NRC Guidance Initiatives <i>Cynthia Barr (Sr. Risk Analyst, NRC)</i>
2:30 pm	A Geospatial Approach to Subsurface Soil Compliance <i>Robert Stewart, ORNL and University of Tennessee</i>
3:15 pm	Break
3:30 pm	Application of Visual Sampling Plan (VSP) code for surface and subsurface survey of contaminants <i>Jen Willis, PNNL</i>
4:15 pm	Roundtable Discussion with Session 1 Presenters <i>Moderator: Bobby Abu-Eid (NRC)</i>
4:55 pm	Session 1 Wrap Up
5:00 pm	Adjourn

Session 2 – Technologies
May 14, 2025
1:00 PM to 5:00 PM Eastern Time
Virtual Web-Based Meeting

12:45 pm	Meeting Web Link Goes Active for Participants to Join
1:00 pm	Welcome and Web-Based Meeting Logistics <i>Jean Balent, EPA</i>
1:10 pm	Session 2 Objectives <i>Kent Glover, AFCEC</i>
1:15 pm	Innovative and advanced technologies for characterization of complex contaminant mixtures <i>Rob Mackley, Fred Day-Lewis, Judy Robinson, PNNL</i>
2:30 pm	Demonstration of a High-Resolution Passive Profiler for Characterizing the Distributions of PFAS and Legacy Contaminants in Groundwater <i>W. Andrew Jackson, Texas Tech University</i>
3:15 pm	Break
3:30 pm	Case Study: Innovative characterization supporting regulatory compliance, end-state remediation and cleanup decisions for a complex contaminant mixture <i>Carol Eddy-Dilek, SRNL</i>
4:15 pm	Roundtable Discussion with Session 2 Presenters <i>Moderator: Bobby Abu-Eid</i>
4:55 pm	Action Items and Wrap Up
5:00 pm	Adjourn