

FRTR General Meeting
Heavy Metals – Mining Site Characterization and Treatment
U.S. EPA One Potomac Yard Building | 4th Floor S-4370/80 | South Building
2777 South Crystal Drive, Arlington, VA 22202
May 9, 2017

Agenda

Moderators: Bill Lodder, DOI, and Shahid Mahmud, EPA

Overall Objectives for the Meeting:

1. Improve communication and common understanding of recent advances in heavy metals related to mining site characterization and treatment.
2. Share experience and lessons learned in advancing best practices.
3. Outline key issues and develop shared strategies to address them.

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| 8:30am | Introduction <i>Dan Powell, Superfund, EPA</i> |
| 9:00 | Welcome <i>Dana Stalcup, Deputy Office Director, Superfund, EPA</i> |
| 9:15 | Aqueous Geochemical Modeling to Evaluate Metal-Laden Discharges from Coal Mines <i>Charles "Chuck" A. Cravotta III, USGS</i> |
| 9:45 | Anaerobic Biochemical Reactor (BCR) Treatment of Mining-Influenced Water (MIW) – Evaluating Reduction in Concentrations of Metals and Aquatic Toxicity <i>Barbara Butler, EPA</i> |
| 10:15 | BREAK |
| 10:45 | Optimizing Heavy Metal and Other Contaminants Removal from Mining and Waste Water Operations <i>Michael Smith, Cavortex Technologies International</i> |
| 11:15 | Source Control Technology for Mining and Other Sites <i>John Vermillion, Environmental Products & Applications</i> |
| 11:45 | Lunch Discussion/Lunch On-Site (A menu will be provided and everyone will pay for themselves) <ul style="list-style-type: none"> • FRTR Web Subgroup • FRTR Agency Member Announcements |
| 1:00pm | Risk Assessment for Mercury Releases to the Kuskokwim River from the BLM Red Devil Mine Site, Alaska <i>Doug Cox & Mike McCrum, BLM</i> |
| 2:00 | Optimizing Remediation Approaches at Mine Sites: How Understanding Biogeochemical Processes and Modeling Can Guide AMD and In Situ Uranium Treatments <i>Kate Campbell-Hay, USGS</i> |
| 2:30 | Use of Unmanned Aircraft in BLM <i>Jason Frels, BLM</i> |
| 3:00 | BREAK |
| 3:30 | EPA Presentation on Best Practices and Resources <i>Shahid Mahmud, Michele Mahoney & Kirby Biggs, EPA</i> |
| 4:00 | Panel Discussion |
| 4:30 | Closing Remarks/Adjourn |