Agenda

FRTR Semi-Annual General Meeting
Remediation Technologies for Radionuclides and Heavy Metals in Soil, Ground Water and Sediments
U.S. NRC Headquarters | 11545 Rockville Pike, Rockville, Maryland | Room TWFN 2B03
November 8, 2017

Meeting Objectives:

1. Identify and discuss existing and new innovative remediation technologies with their technical bases which have been or may be applied for radionuclide and heavy metal contaminants in soil, ground water and sediments.
2. Share experiences and lessons learned in the application of these remediation technologies for radionuclides and heavy metals.

8:30 a.m.	**Welcome** *Ed Hackett, Deputy Director, Office of Nuclear Regulatory Research, U.S. NRC*
8:35	**Meeting Objectives & Administrative Business** *Kent Glover, Chair, FRTR Steering Committee, DOD-USAF* *Tom Nicholson, U.S. NRC-RES and Paul Beam, DOE–EM (Meeting Moderators)*
Overview of the State-of-the-Practice in Applying Remediation Technologies for Radionuclides and Heavy Metals in: *Soil, Ground Water and Sediments*	
8:45	**Overview of Remediation Technologies for Radionuclides in Soil and Ground Water** *Mike Truex, PNNL (Introduced by Paul Beam, DOE–EM)*
9:15	**Overview of Remediation Technologies for Heavy Metal Contaminants** *Professor Mark Bricka, Mississippi State (Introduced by Carol Dona, DOD-Army)*
Field Demonstrations of Remediation Technologies for Radionuclides	
9:45	**Case Study on Remediation at a Sediment Site in Northern California with Radium-226 and Heavy Metal Contamination, including use of SCM technology to Expedite Remediation at the Source** *Mary Parker and Matthew Slack, DOD-Navy (Introduced by Dan Goodman, DOD-Navy)*
10:15	BREAK
10:30	**Remedy Selection and Implementation for Radionuclides in Soil and Ground Water** *Mike Truex, PNNL (Introduced by Paul Beam, DOE–EM)*
11:00	**Field Studies to Assess Bio-Stimulation to Remediation of Radionuclides and Heavy Metals at an In Situ Leach Mine Sites** *Drs. Jim Clay, Cameco; John Willford and Kevin R. Chamberlain, University of Wyoming; and Paul Reimus, Los Alamos National Laboratory (Introduced by Thomas Nicholson, NRC)*
11:30	**Incremental Sampling Methods for Remediation of Heavy Metals** *Cathy Amoroso, EPA Region 4* *(Introduced by Dan Powell, EPA)*
12:00	LUNCH (available for purchase in the NRC Cafeteria)
1:00 p.m.	**FRTR Agency Member Announcements – Kent Glover, Chair, FRTR Steering Committee**

Research on Innovative Remediation Technologies under Development for Radionuclides and Heavy Metals in: Soil, Ground Water and Sediments	
1:20	**Use of Nanotechnology in Remediation of Radionuclides and Heavy Metals** *Professor Dr. Fengxiang (Frank) Han, Jackson State University, Mississippi* *(Introduced by Boby Abu-Eid, NRC)*
1:50	**Overview of NIEHS Research Studies on Risk Management Focusing on Remediation of Radionuclide and Heavy Metal Contaminants** *Heather Henry, National Institute on Environmental Health Sciences* *(Introduced by Dan Powell, EPA)* **In Situ Activated Carbon Amendment for Sediment and Soil Mercury Remediation** *Cynthia Gilmour, Smithsonian Environmental Research Center (Introduced by Heather Henry, NIEHS)*
3:00	BREAK
3:15	**Panel Discussion** Moderators: Thomas Nicholson, U.S. NRC-RES and Paul Beam, DOE–EM *Panel Members – Presenters on State-of-the-Practice and Innovative Remediation Technologies and their Applications for Radionuclides and Heavy Metals*
4:15	**Action Items – Kent Glover, Chair, FRTR Steering Committee**
4:30	**ADJOURN**