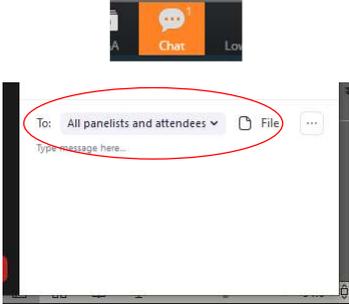


Federal Remediation Technologies Roundtable

Break with Virtual Networking

During the break, the Chat will be available to all attendees.

Please feel free to chat with others or share your thoughts on the Session Questions during the break.



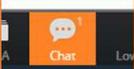
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Federal Remediation Technologies Roundtable

You may discuss your thoughts on these questions using the chat during break.

You may also send your thoughts by email to FRTR@emsus.com by May 31, 2021.



1) Grand Challenges:
What are the grand challenges facing your agency regarding remediation over the next decade?

2) Technology Needs and Research Gaps:
Focusing on specific technology needs, the FRTR has identified these cross-cutting issues going forward:

- Contaminant source and site characterization
- Emerging contaminants
- Remedy resilience under evolving climatic conditions

What are your agency's remediation technology needs or research gaps for these issues? Are there other key issues not captured above?

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Federal Remediation Technologies Roundtable



Agency Announcements

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Air Force Civil Engineer Center



- **Broad Agency Announcement**
 - Demonstrate/validate innovative technologies and methodologies for effective site restoration
 - Statements of Need
 - Treatment of PFAS contaminated media: Field-scale treatability studies, pilot-scale remediation, and upscaling efforts
 - High resolution site characterization at a Columbus AFB complex site
 - Phase 1 proposals due mid June
 - Announcement available at <https://beta.sam.gov/> Notice: AFCECBAA-21-001
- **New guidance for high-resolution site characterization**
 - Interactive document tabbed/linked for easy navigation
 - Comprehensive compendium of HRSC tools/methods
 - DQO-driven spreadsheet to screen/select HRSC methods
- **Monthly restoration technology webinar**
 - 2nd Wednesday @ 2pm, Eastern
 - <https://www.afit.edu/CE/index.cfm>

For More Information
Kent.Glover@us.af.mil
Jeffrey.Davis.90@us.af.mil
<https://www.afcec.af.mil/Home/Environment/>

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U.S. Army Environmental Command



- Project/Initiatives
 - Centralized PFAS Preliminary Assessment/Site Inspection
 - Optimization of legacy groundwater treatment systems
- Reports/Documents
 - HQDA Army Guidance for Addressing Releases of Per- and Polyfluoroalkyl Substances, Sept 2018
 - HQDA-approved PFAS communication products for local use
- Tech transfer/training
 - National Defense Center for Energy & Environment (NDCEE)
 - Adobe Connect/Webinars on Environmental Training; courses available later on-demand

For More Information Contact

Doris.A.Anders.civ@mail.mil

Web Sites

<https://aec.army.mil>
<https://www.denix.osd.mil/ndcee/>

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Naval Facilities Engineering Systems Command



- **New! NAVFAC Guidance:** [ERB Website > Resources](#)
 - Interim Per- and Polyfluoroalkyl Substances (PFAS) Site Guidance for NAVFAC Remedial Project Managers (RPMs)/November 2020 Update
- **New! Fact Sheets/Handbooks:** [ERB Website > Training > Technology Transfer](#)
 - Continuous Monitoring for Vapor Intrusion (Mar 2021)
 - Phytoremediation Advances (Mar 2021)
 - Groundwater to Surface Water Interface: Overview and Management (Jan 2021)
 - Groundwater to Surface Water Interface: Tools and Techniques (Jan 2021)
 - Application of Horizontal Wells to Enhance Site Remediation (Nov 2020)
- **New! Virtual Remediation Innovative Technology Seminar, June and July 2021 – Register now:** [ERB Website > Training > RITS](#)
 - Abiotic Transformations in Natural Attenuation, Assessing the Groundwater/ Surface Water Transition Zone, Avoiding MEC Issues during Dredging, Five Year Review Lessons Learned, PFAS Investigations Best Practices, and Incremental Sampling Methodology
- **Open Environmental Restoration Resource Webinars:** [ERB Website > Training > OER2](#)

DON Environmental Restoration and BRAC (ERB) Website
www.navfac.navy.mil/go/erb

For More Information
karla.hare@navy.mil

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U.S. Geological Survey

- For all USGS Technical Announcements, please visit:
 - <https://www.usgs.gov/news/technical-announcements>
- Recent Highlighted Publications
 - M.E. Schreiber, I.M. Cozzarelli, 2021, *Arsenic release to the environment from hydrocarbon production, storage, transportation, use and waste management*
- Highlighted Initiatives
 - USGS PFAS Science Strategy coming soon
- Highlighted Project
 - Natural attenuation of petroleum hydrocarbons: Nature, potential toxicity, and prevalence of petroleum metabolites

For More Information

Contacts

tgallegos@usgs.gov

mkfoley@usgs.gov

Web Sites

<https://www.usgs.gov/>

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U.S. Nuclear Regulatory Commission

July 14-15, 2021 NRC public workshop on technical basis for guidance on **Conducting and Evaluating Surveys of Residual Radioactivity in the Subsurface Soils.**

workshop topics:

- Subsurface radiological surveys ranging from historical site assessments, scoping, characterization, remedial action, confirmatory, and final status surveys.
- DCGLs for contaminants in the subsurface and use of multiple DCGLs for surface and/or subsurface layers.
- Evaluating elevated areas or hot spots (DCGL_{EMC}) for potential doses to receptors including from inadvertent intrusion.
- Evaluation of sites with geospatial and statistical methods.

Key References:

Executive Summary, "Guidance on Surveys for Subsurface Radiological Contaminants," Draft Technical Letter Report," SC&A April 2021. [ML21123A229](#)

NUREG-1575, "Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)," Revision 1, issued August 2000 (NRC 2000).

For More Information

Contact

Thomas.Aird@nrc.gov

301-415-2442

Sites

<https://www.nrc.gov/pmns/mtg?do=details&Code=20210553>

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NIEHS Superfund Research Program

Upcoming Events!

Risk e-Learning: Enhancing Integration, Interoperability, and Reuse of Data
May 17, June 3, June 18 on Clu-In

SRP Risk Communication Strategies to Reduce Exposures and Improve Health
June 21-22, Virtual Workshop

Save the Date: 2021 SRP 35th Anniversary Annual Meeting
Dec 15-17, Raleigh, NC & Virtual

Your Input is Appreciated!

Request for Information (RFI) "NOT-ES-21-006: Drinking Water Contaminants of Emerging Concern for National Emerging Contaminant Research Initiative." **Please respond by June 2, 2021.**

Check out the May Research Brief!

Research Brief 317: New Technique Sheds Light on PFAS in Coastal Watersheds

Superfund Research Program
New Technique Sheds Light on PFAS in Coastal Watersheds

Please Join our Listservs: SRPInfo@mail.nih.gov

- **Science Digest:** Quarterly update of research & activities
- **Research Briefs:** Monthly research publication highlight
- **Risk e-Learning:** CLU-IN webinar series features SRP research

For More Information Contact: Heather.Henry@nih.gov | Web Site: www.niehs.nih.gov/srp

See TechDirect for Announcements of SRP Funding Opportunities

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Environmental Protection Agency

2021 National Federal Facility Excellence in Site Reuse Awards

- To be announced this week
- Highlight the significant accomplishments of federal agencies, states, tribes, local partners, and developers in restoring and reusing contaminated land at federal facilities
 - Superfund National Priorities List (NPL) sites
 - Superfund NPL Base Realignment and Closure (BRAC) sites
 - non-NPL BRAC sites
 - non-NPL sites

EPA Council on PFAS; Administrator Memo, April 29, 2021

- Develop "**PFAS 2021-2025 – Safeguarding America's Waters, Air and Land,**" strategy to deliver critical public health protections to the American public
- Prioritize partnerships and collaboration within EPA and with our federal, state, tribal and local partners
- Continue to engage with the public about the risk associated with these chemicals
- <https://www.epa.gov/newsreleases/epa-administrator-regan-establishes-new-council-pfas>

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