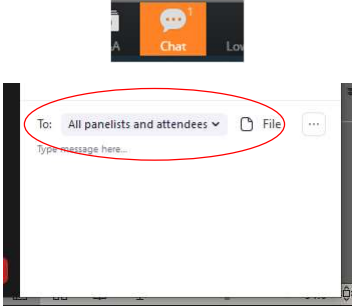


## Federal Remediation Technologies Roundtable

### *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](mailto: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**
  - 2<sup>nd</sup> Wednesday @ 2pm, Eastern
  - <https://www.afit.edu/CE/index.cfm>

**For More Information**  
[Kent.Glover@us.af.mil](mailto:Kent.Glover@us.af.mil)  
[Jeffrey.Davis.90@us.af.mil](mailto: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](mailto: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](http://www.navfac.navy.mil/go/erb)

**For More Information**  
[karla.hare@navy.mil](mailto: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

[tgallejos@usgs.gov](mailto:tgallejos@usgs.gov)

[mkfoley@usgs.gov](mailto: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<sub>EMC</sub>) 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](mailto: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](mailto: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

See TechDirect for Announcements of SRP Funding Opportunities


For More Information Contact: [Heather.Henry@nih.gov](mailto:Heather.Henry@nih.gov) | Web Site: [www.niehs.nih.gov/srp](http://www.niehs.nih.gov/srp)

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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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  - Natural attenuation of petroleum hydrocarbons: Nature, potential toxicity, and prevalence of petroleum metabolites

**For More Information**  
Contacts  
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Web Sites  
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