

Federal Remediation Technologies Roundtable



Agency Announcements

U.S. Army Environmental Command



- Project/Initiatives
 - Centralized PFAS Preliminary Assessments/Site Inspections
 - Optimization of legacy groundwater treatment systems
- Reports/Documents
 - HQDA Army Guidance for Addressing Releases of Per- and Polyfluoroalkyl Substances
 - 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@army.mil

Web Sites

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

Naval Facilities Engineering Systems Command



DON Environmental Restoration and BRAC (ERB) Website

<https://exwc.navfac.navy.mil/go/erb>

- Visit us on **LinkedIn**: <https://www.linkedin.com/showcase/navfacerb>
- **DON Policy/Guidance**: <https://exwc.navfac.navy.mil/go/resources>
- **Reports and Tools**:
 - **New!** NAVFAC Report on Best Practices and Risk Management Options for Metal-Impacted Sites, Sept 2022 [ERB Website > Training > Technology Transfer > Publications](#)
 - **New!** DoD Monitored Natural Attenuation (MNA) Rate Constant Estimator User's Guide and Tool. <https://serdp-estcp.org/projects/details/bd9c56ae-002e-40fc-88cf-4a9c8566de93/er-201730-project-overview>
- **Open Environmental Restoration Resource Webinars**: [ERB Website > Training > OER2](#)
 - **New!** Navy Optimization Case Studies, April 2023 (Recorded)
- **Navy Remediation Innovative Technology Seminar (RITS)** [ERB Website > Training > RITS](#)
 - **Registration Coming Soon for June & July Offerings**, open to DON RPMs and other DON/DoD personnel, federal/state/local regulators, and contractors with an active DON Environmental Restoration contract.

For More Information Contact
karla.j.harre.civ@us.navy.mil

Air Force Civil Engineer Center



BAA Innovative Technology Projects

Challenge	Technical Focus and Number of Active Projects
PFAS	Treatment (14)
	Characterization (3)
	Modeling (4)
Complex Sites	High resolution characterization (1)
	Advanced analytics/ modeling (2)

FY23 Acquisition Plan

- Total funding: ~\$3M
- Number of projects: 3 or 4
- Request for proposals will be posted at <https://SAM.gov/home>

Restoration Technology 2023 Webinars

Monthly, 2nd Wed @ 2pm (Eastern)

Jun 14	Super critical water oxidation
Jul 12	Hot ISCO for <i>in-situ</i> PFAS treatment
Aug 9	Surface water fate and transport investigation strategies
Sep 13	Soil-washing technology forum
Oct 11	Groundwater/surface water interaction and flux measurement
Nov 8	Thermal treatment technology forum

BAA Projects: Jeffrey.Davis.90@us.af.mil

Technology Webinars: <https://www.afit.edu/CE/index.cfm> (Click on "Speaker Series")



- Munitions Response Quality Assurance Project Plan Toolkit Released
 - The FFRRO and DoD chaired Intergovernmental Data Quality Task Force (IDQTF) recently released the UFP QAPP Munitions Response Toolkit Module 2: Remedial Action
<https://www.epa.gov/fedfac/uniform-federal-policy-quality-assurance-project-plans-munitions-response-qapp-toolkit>
- EPA Federal Facility RPM Training
May 23-24 in San Francisco, CA
- Federal Facility Academy webinars (next offering in 2024)
<https://www.trainex.org/FFacademy>

For More Information

Contact

McEaddy.monica@epa.gov

Web Sites

www.epa.gov/fedfac



- EPA is looking at finalizing a document: “State of the Science: Critical Minerals Recovery Technologies for Application at Superfund Mine and Mineral Processing Sites” that will be shared with the federal agencies. It identifies critical mineral technologies currently being used at NPL Superfund sites.
- EPA cooperative agreement request for applications will be out at the end of May. The EPA is seeking applications from eligible applicants to manage a technology assessment and performance testing initiative for water, sediment and soil monitoring and remediation, waste reduction, plus critical mineral recovery technologies for use at legacy mining sites throughout the U. S.

For More Information

Contact

Ben Simes

Simes.benjamin@epa.gov

Web Sites

<https://www.epa.gov/aboutepa/about-office-mountains-deserts-and-plains>

Department of Energy (DOE)

Office of Environmental Management (EM)

Groundwater Closure Activity

- Multi-Year project funded by Laboratory Policy Office (LPO) and Technology Development Office (TDO) initiated in 2021
 - Phase 1: Technical targets to identify key technical needs to facilitate closure
 - Phase 2: Site Interviews to identify highest priority challenges for groundwater site closure
 - Phase 3: Development of site metrics:
 - Encourage development of “End State Vision Implementation Strategy” for groundwater closure that is aligned with EM’s vision statement
 - Develop complex-wide metrics to expedite Groundwater Closure
 - Track closure progress on major plumes at EM sites with EM Complex-wide Dashboard
 - Encourage incorporation of Advanced Long-Term Environmental Monitoring Systems (ALTEMIS) strategies and technologies for long term monitoring of complex sites.

Department of Energy (DOE)

Office of Environmental Management (EM)

Life cycle analysis of fluoropolymers (a group of polymers within the class of per- and polyfluoroalkyl substances, PFAS).

- **The House Energy and Water Development Appropriations Subcommittee directed DOE to conduct a life cycle analysis (LCA) of fluoropolymers** within a year of enactment of the FY23 Omnibus Appropriations Bill, including:
 - Comparison of resilience properties, costs/benefits, and greenhouse gas emissions of fluoropolymers vs. competing technologies
 - Analysis of fluoropolymers used in industry: aerospace, automotive, battery, building construction, chemical processing, electronics, infrastructure, semiconductor, solar panel, wind energy
- A second report, due a year later, will focus on impacts of fluoropolymers' discontinuation:
 - Effects on potential lifespans of infrastructure materials (steel, plastics, glass, wood)
 - Effects on renewable energy generation components and energy storage components
- EM is developing the report with Savannah River National Laboratory (SRNL) and the Consortium for Risk Evaluation with Stakeholder Participation (CRESP, led by Vanderbilt U.)

Department of Energy (DOE)

Office of Environmental Management (EM)

- DOE Releases Funding Opportunity Announcement for Minority Serving Institutions
- Partnership Program
 - Funding Opportunity Announcement (FOA) number: DE-FOA-0002820
 - Total estimated value of the FOA is \$24,500,000
 - Periods of performance ranging from 12-36 months
 - Awards resulting from the FOA will focus on enhancing MSI programs to help foster a sustainable and diverse DOE Environmental Management (EM) Science, Technology, Engineering, and Mathematics (STEM) workforce pipeline. The awards will also aid in promoting the development of a nationally engaged scientific and engineering workforce that will lead to future career pathways in the DOE EM complex for underrepresented groups.
 - Information regarding the MSIPP FOA is available at: <https://www.grants.gov>
- <https://www.energy.gov/em>

Superfund Research Program (NIEHS)



National Institute of
Environmental Health Sciences
Superfund Research Program

Job Opening Director Superfund Research Program!!

- NIEHS seeking SRP Director to lead and support the congressionally mandated Superfund Research Program. **Open to the public until 5/24/2023.**
- [Health Scientist Administrator \(Program Officer & Scientific Review Officer\) GS-0601-15](#)

Upcoming Events

- **Tentative: Dec 4 - 6, 2023** SRP Annual Meeting, Albuquerque, New Mexico

Webinars (Clu-in)

- Progress in Research “SRP Multiproject Center Grants: Research Across Disciplines” – [New P42 Center Overviews](#)
 - April 28, May 5, May 12 archives available!!
 - May 19 – [register here!](#)
- Funding Opportunities Webinar – [P42 Centers Grants](#)
 - May 15th archive available soon!

Ongoing Solicitations

- [Multi-Project Center Grants](#), released Apr 17, 2023; due Oct 2, 2023
- [Small Business Innovative Research Grants](#) Due Jan 5, Apr 5, Sept 5, also please see new initiatives on [Climate Change](#)
- [Mechanism for Time-Sensitive Research Opportunities in Environmental Health Sciences \(R21\)](#) Monthly receipt dates
- [Virtual Consortium for Translational/Transdisciplinary Environmental Research \(ViCTER\)](#) Due Feb 1, 2024

Monthly Research Brief #334 (Oct 2022)

[Current Research Brief 341: Fighting Fluorine with Fluorine: New Materials Remove PFAS from Groundwater](#). Visit page for full story, publications, and podcast.

September 2022 SRP Digest:

[SRP Research Translation - 35 Years of Science and Solution](#)

Highlights SRP’s significant contributions to advancing environmental and human health.

[NIEHS Strategic Plan 2024-2028](#) updates will be shared at the next NAEHSC meeting on June 6-7, 2023. This meeting is open to the public via webcast. Check back for details on this event on the NIEHS [Live Webcast](#) site.

For More Information Contact: Heather.Henry@nih.gov;
Sign Up for Updates: SRPinfo@nih.gov **Website:** www.niehs.nih.gov/srp