

Federal Remediation Technologies Roundtable



FRTR at 30 Years: A Retrospective of Applied Innovative Technologies for Successful Site Remediation

Fall 2020 Webinar and Meeting

**November 18, 2020
1:00 to 3:00 PM (EST)**

Federal Remediation Technologies Roundtable



Agency Announcements

U. S. HQDA Environmental Division (G-9, ISE)

- G-9 ISE
 - Is the Army proponent for Army Environmental (incl. Army National Guard) and Base Realignment & Closure (BRAC) environmental programs.
 - Advises Army Leadership. Establishes execution priorities, resources, implementing policies, strategic plans, and program guidance.
- Guidance Updates
 - Updating PFAS Drinking Water and Restoration (cleanup) guidance
- Tech Coordination
 - Contaminant treatment and mitigation (i.e., PFAS, 1,4-DX, Perchlorate, Chrome)
 - Army Public Health Command (USAPHC) PFAS toxicity

For More Information

Contact

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Web Site

<https://www.army.mil/>

U.S. Army Environmental Command (USAEC)



- USAEC
 - Now a major subordinate command (MSC) under US Army Material Command (AMC) with cleanup oversight & funding of 143 CONUS and 17 OCONUS active Army installations
 - Located at Joint Base San Antonio Fort Sam Houston TX
- Projects/Initiatives
 - Evaluation & Assessment of Regulatory & Legislative Impacts (EARLI)
 - National Defense Center for Energy & the Environment (NDCEE)
- Tech transfer of novel cleanup technologies, site characterization from multiple peer-reviewed sources

For More Information

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- **2020 Optimization Progress Report:** EPA’s Office of Superfund Remediation and Technology Innovation (OSRTI) provides updates on the status of optimization reviews conducted during fiscal years 2015 through 2017 and includes optimization-related technical support projects that were substantially completed through 2018.
- **RIFS Scoping Guide:** OSRTI has issued a new fact sheet, “Smart Scoping of an EPA-Lead Remedial Investigation/Feasibility Study” (<https://semspub.epa.gov/work/HQ/100002571.pdf>), which describes practices to help focus and streamline the remedial site characterization process through efficient scoping, investigation, and data management.
- **Federal Agency Hazardous Waste Compliance Docket:** Update #38 was published in the Federal Register on October 29, 2020 and includes eight additions and six deletions. The new total number of facilities on the Docket is 2,380. The updated list of facilities is located at: <https://www.epa.gov/fedfac>.

U.S. Environmental Protection Agency



- **EPA Action Plan Update**

- Key actions include – issuing groundwater cleanup guidance; expediting research efforts; updating the Toxics Release Inventory; and issuing a preliminary regulatory determination for PFOA and PFOS in drinking water.

- **Analytical Methods**

- Office of Water issued 537.1 & 533
- SW-846 8327 (multi-lab validated but not final)
- OW working with DOD, with OLEM participation, for multi-lab validation of an isotopic dilution method for PFAS.

- **Monitoring**

- In July, Unregulated Contaminant Monitoring Rule 5 (UCMR 5) proposal sent to OMB; includes nationwide drinking water monitoring for PFAS at lower concentrations.

- **Treatment**

- EPA researchers are studying efficacy of technologies at removing PFAS from drinking water. Researchers are also studying household water filters so that you have the information you need to protect the water in your own home.
- EPA researchers are studying how materials containing PFAS should be safely managed and disposed. Researchers studying the best ways to dispose of PFAS and to understand how PFAS at a contaminated industrial site may move into the nearby environment.

For More Information

Contact

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OSRTI – gaines.linda@epa.gov

Web Site

<https://www.epa.gov/pfas>

USGS Technical Announcements

<https://www.usgs.gov/news/technical-announcements>

USGS PFAS capability team has been established to collaborate on cross mission area research on PFAS to include lab and field method development. Below is a link to the website they developed showing all the science and pubs for PFAS at USGS.

<https://www.usgs.gov/centers/nj-water/science/region-1-north-atlantic-appalachian-pfas-capability-team>

For More Information

Contact

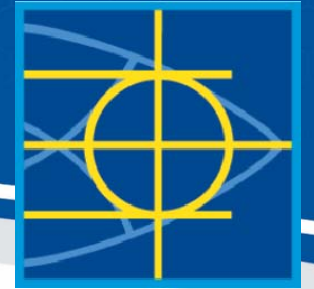
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Web Site

<https://www.usgs.gov>

Naval Facilities Engineering Systems Command



- NAVFAC launched improved website for DON Environmental Restoration and BRAC (ERB) information: www.navfac.navy.mil/go/erb
- Open Environmental Restoration Resource (OER2) Webinars: [ERB Website > Training > OER2](#)
 - Recent webinars are ERB Website Demo, NAVFAC's Quality Document Review (QDR) Process, and Munitions Response Program Update on Guidance, Tools and Templates
- New NAVFAC Guidance: [ERB Website > Resources](#)
 - NAVFAC Guidance on Sediment Dredging in Areas Known or Suspected of Containing Munitions and Explosives of Concern and/or Material Potentially Presenting an Explosive Hazard (Aug 2020)
 - NAVFAC Guidance for Remedial Alternatives Analysis (Oct 2020)
- New Fact Sheets/Handbooks: [ERB Website > Training > Technology Transfer](#)
 - Innovative Sampling Methods and Data Analysis for Reduced Long-term Monitoring Costs (Sept 2020)
 - Advantages and Limitations of the Incremental Sampling Methodology (ISM) for Navy Projects (Aug 2020)
 - In Situ Chemical Reduction: State-of-the Practice and New Advances (June 2020)
 - In Situ Chemical Oxidation (ISCO) Fact Sheet (Dec 2019)

For More Information Contact
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IAEA Safety Standards under Current Review by NRC Staff*

1. IAEA Draft Safety Guide DS499 on “Application of the Concept of Exemption”
IAEA Website link to document:
<https://www-ns.iaea.org/committees/comments/default.asp?fd=2031&dt=>
Click on DS499 Clean.
2. IAEA Draft Safety Guide DS500 on “Application of the Concept of Clearance”
IAEA Website link to document:
<https://www-ns.iaea.org/committees/comments/default.asp?fd=2050&dt=>
Click on DS500 Clean.

* *N.B.:*

1. *The above standards will be reviewed by IAEA member states when approved by the concerned IAEA Committees which is anticipated in November 2020.*
2. *The NRC does not directly adopt IAEA safety standards, but they are used as points of reference when developing its guidance or regulations.*
3. *NRC Point of contact for review of IAEA WASTE Safety Standards is:
Boby Abu-Eid; SLS Advisor
DUWP/NMSS/US NRC; Boby.abu-Eid@nrc.gov*

For More Information

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Superfund Research Program (NIEHS)



National Institute of
Environmental Health Sciences
Superfund Research Program

Progress in Research Webinar Archives on Clu-In.org

- Featuring newly-funded Superfund Research Program Center Grants
- Session I – [Metals](#) (Oct 21)
- Session II – [Emerging and Legacy Contaminants](#) (PAHs, PCBs, PFAS) (Oct 28)
- Session III – [Vulnerable Populations](#) (Nov 9)
- Session IV – [Emerging Exposures](#) (PFAS, PCBs, Persistent Radicals) (Nov 19)

Virtual Technology Fair Dec 16th (1-4pm ET)

- Featuring [NIEHS Small Businesses Remediation and Detection Technologies](#)
- Free and open to NIEHS grantees and Federal Staff
- Contact [Heather Henry](#) or your FRTR Rep

Ongoing Solicitations

- [Application Assistance Program](#) – Dec 12
- [Small Business Innovative Research Grants](#)
 - Due Jan 5, Apr 5, Sept 5

For More Information

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www.niehs.nih.gov/srp