

Air Force Civil Engineer Center



BAA Innovative Technology Projects

- Advance, demonstrate and validate technologies for effective site restoration
- Address critical Air Force technology challenges and needs (e.g., PFAS treatment)
- Emphasize field-scale treatability, process optimization and upscaling
- Direct benefit to site-specific cleanup

New BAA Projects for FY21-22

Challenge	Technical Focus	Awards	Pending
PFAS	Treatment	7	7
	Characterization	1	2
	Modeling	0	4
Complex Sites	High resolution characterization	1	0
	Data analytics/ modeling	2	0

Recent Advances in High Resolution Site Characterization (HRSC)

- Hydrogeophysical tomography and field injection tests to validate in situ carbon distribution in fractured rock
- HRSC and low-level heat to enhance mixed TCE-BETX NAPL depletion in fractured rock
- Guide for selecting and deploying HRSC technologies to refine and improve CSMs

AFCEC Restoration Technology Webinar
Monthly, 2nd Wed @ 2pm (Eastern)
<https://www.afit.edu/CE/index.cfm>

- [USGS Technical Announcements](https://www.usgs.gov/news/technical-announcements)
<https://www.usgs.gov/news/technical-announcements>
- Projects/Initiatives/Reports/Documents
 - Crude oil natural attenuation in the subsurface
 - Bekins et al., 2020, doi: 10.1021/acs.est.0c02220
 - Podgorski et al., 2021, doi:10.1016/j.jhazmat.2020.123998
- Initiatives and Projects
 - USGS is developing plans to collect geochemical data at mine waste sites across the U.S. where critical minerals may occur
 - USGS is also working closely with DOI and other Federal and state agencies to develop abandoned mine feature and mine waste inventories
- Tech transfer/training
 - Twelfth International Conference on Remediation of Chlorinated and Recalcitrant Compounds, May 22-26, 2022; Panel member and poster (Bekins); Platform talk (Trost)

For More Information

Contact

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Web Sites

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

Upcoming Events

- **June 15-17, 3rd Annual National PFAS Meeting, Wilmington, NC**
 - <https://pfasmeeting.wordpress.ncsu.edu/>
- **Dec 14 - 16, 2022, SRP 35th Anniversary Annual Meeting, Raleigh, NC**
 - https://www.niehs.nih.gov/research/supported/centers/srp/events/srp_annual_mtgs/index.cfm

Webinar Archive

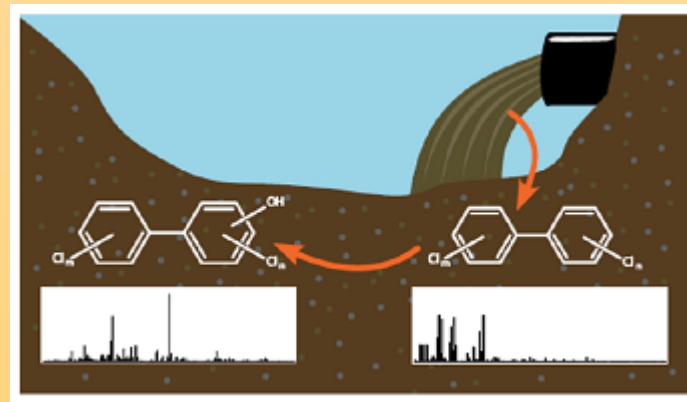
- **Utilizing Innovative Materials Science Approaches to Enhance Bioremediation**, (3-Part Clu-In Series on projects combining materials science with bioremediation for PFAS, Chlorinated Compounds, and metals)
 - https://www.niehs.nih.gov/research/supported/centers/srp/events/inprogresswebinar/Innovative_materials_2022/index.cfm

Ongoing Solicitations

- [Small Business Innovative Research Grants](#) Due Jan 5, Apr 5, Sept 5
- [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, 2023

Monthly Research Brief #330 (June 2022) [Study Sheds Light on Breakdown Products of PCBs in the Environment](#)

Visit [page](#) for full story, publications, and podcast.



OH-PCBs are produced by the oxidative transformation of PCBs.

March 2022 SRP Digest: [SRP Research in PFAS](#)

Overview of SRP research in PFAS and GenX including toxicology, epidemiology, remediation, fate & transport, and detection technologies.

For More Information

Contact: Heather.Henry@nih.gov

Web Sites: www.niehs.nih.gov/srp



Federal Facilities Restoration and Reuse Office

2022 Federal Facility Site Reuse Awards

- Superfund NPL Award: Naval Industrial Reserve Ordnance Plant, Minnesota (Navy)
- Superfund NPL BRAC Award: Former Marines Corps Air Station El Toro, California (Navy/Marine)
- Non-NPL BRAC Award: Kelly Air Force Base, Texas (Air Force)
- Non-NPL Award: Krejci Dump Site, Cuyahoga Valley National Park, Ohio (Department of Interior)

For More Information

Contact

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Web Site

www.epa.gov/fedfac

Naval Facilities Engineering Systems Command



DON Environmental Restoration and BRAC (ERB) Website

New Web Address! <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>
- **New! DON Guidance/Reports/Tools**:
 - NAVFAC Munitions Response Quality Assessment Spreadsheet (Oct 21)
[ERB Website > Focus Areas > Munitions Response > Tools](#)
 - Update for Establishing a Consistent Methodology for the Analysis of Per- and Polyfluoroalkyl Substances in Media Other than Drinking Water, DoD Memo (Dec 21)
<https://exwc.navfac.navy.mil/go/resources>
 - A Review of Exit Strategies and Site Closeout Challenges at Navy Clean Up Sites (Mar 22)
[ERB Website > Program Support > Optimization > Publications](#)
- **Recorded! Open Environmental Restoration Resource Webinars**:
[ERB Website > Training > OER2](#)
 - Bridging the Gap from Remedy in Place (RIP) to Response Complete (RC), Dec 2021
 - Environmental Sequence Stratigraphy (ESS) as a Remedy Optimization Tool, July 2021
 - Vapor Intrusion (VI): Tools and Technologies, March 2021