

2025 RITS

REMEDIATION INNOVATIVE TECHNOLOGY SEMINAR (RITS)

DAY 1:

- Strategies to Address Per- and Polyfluoroalkyl Substances (PFAS) in Private Drinking Water Wells near Naval Installations
- Contextualizing PFAS Detections: Background and Forensics
- · Remediation of PFAS-Impacted Solids

DAY 2:

- Optimization Tools and Strategies Implemented at Sites with Long-Term Remediation Systems
- Managing Lead-Impacted Sites under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
- Preliminary Assessment and Site Inspection (PA/SI) Process for Sites with General Radioactive Materials (G-RAM)

WHAT:

NAVFAC's showcase for innovative Environmental Restoration (ER) technologies, methodologies, and guidance over a two-day seminar in a classroom setting.

WHO:

NAVFAC Remedial Project Managers (RPMs), other Navy ER personnel, Department of Defense (DoD) personnel, federal/state/local regulators, and contractors with an active Department of the Navy (DON) ER contract are welcome to attend.

ATTENDANCE NOTE:

Registration is REQUIRED. Priority is given to Navy personnel due to limited space. For non-Navy personnel, seats will be based on availability. Contractors will be asked to provide an active DON ER contract number during registration.

Handbooks will only be provided to registrants **ELECTRONICALLY**. Files will be distributed prior to RITS event. Please bring computer or hardcopies of these files to the event, as needed.

*Those registrants without Common Access Cards (CACs) need to register 3 weeks before the RITS at NAVFAC Southwest (8–9 July) for site access processing.

POINT OF CONTACT:

Leslie Howard | NAVFAC EXWC Navy RITS Program Manager leslie.a.howard11.civ@us.navy.mil Desk: 805-982-4454

WHERE & WHEN:

NAVFAC Southeast

11–12 June (Wednesday – Thursday) Hampton Inn & Suites Orange Park 141 Park Avenue, Orange Park, FL 32073

NAVFAC Headquarters & NAVFAC Washington

23–24 June (Monday – Tuesday) AMA Washington Executive Conference Center 2345 Crystal Drive, Room 203, Arlington, VA 22202

NAVFAC Atlantic & NAVFAC Mid-Atlantic

25–26 June (Wednesday – Thursday) DoubleTree by Hilton Norfolk Airport 1500 N. Military Highway, Norfolk, VA 23502

NAVFAC Southwest & BRAC PMO West

8–9 July (Tuesday – Wednesday) NAVFAC Southwest 750 Pacific Highway, Conference Room A&B, San Diego, CA 92101

NAVFAC Northwest

16–17 July (Wednesday – Thursday) Best Western Plus Silverdale Beach Hotel 3073 NW Bucklin Hill Road, Silverdale, WA 98383

NAVFAC Pacific & NAVFAC Hawaii

23–24 July (Wednesday – Thursday) Oahu Veterans Center 1298 Kukila Street, Honolulu, HI 96818



LAST DAY TO







17 June*/1 July





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Agenda RITS Day 1 Presentations (Times subject to change)

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0800 - 0830Welcome & Introduction 0830 - 1015Strategies to Address PFAS in Private Drinking Water Wells near Naval Installations As the Navy continues PFAS investigations and identifies installations where PFAS may have migrated toward private drinking water wells, mitigation of exposure to PFAS in private drinking water continues to be a priority. This presentation will describe the history of the Navy's private drinking water well sampling of PFAS to mitigate exposure, steps to address PFAS in private drinking water wells, and technology alternatives for enduring solutions in accordance with DoD policy. DoD and Navy policies and guidance will also be reviewed. A case study will be presented to illustrate interim actions and approaches to address PFAS in private drinking water wells near Naval installations. SPEAKERS: Katie Tippin (NAVFAC LANT) and Paul Landin (NAVFAC LANT) 1015 - 1030 Break 1030 - 1130 **Contextualizing PFAS Detections: Background and Forensics** Current research indicates background sources of PFAS can sometimes exceed regulatory standards, meaning that it may not be feasible to find or delineate a plume boundary, where a remedial action would be implemented, when the entire site (due to background) is above regulatory standards. Therefore, when conducting PFAS investigations it is critical to appropriately assess PFAS background concentrations. Forensic methods based on the understanding of how environmental conditions affect PFAS patterns along routes of migration can be used to identify source areas and assess site-specific background levels. This presentation will highlight how to: 1) identify key factors for assessing PFAS background, 2) select appropriate background reference areas, 3) use forensics methods to contextualize PFAS detections from source areas versus background levels, and 4) summarize key knowledge to support development of more robust PFAS conceptual site models to support decision-making. SPEAKER: Jeff Gamlin (GSI Environmental), Nikki Andrzejczyk (NAVFAC EXWC), and Jovan Popovic (NAVFAC EXWC) 1130 - 1300 Lunch 1300 - 1415**Contextualizing PFAS Detections: Background and Forensics, Continued** SPEAKER: Jeff Gamlin (GSI Environmental), Nikki Andrzejczyk (NAVFAC EXWC), and Jovan Popovic (NAVFAC EXWC) 1415 - 1430**Break** 1430 - 1630**Remediation of PFAS-Impacted Solids** Addressing PFAS-impacted solids has become a pressing challenge in the overall management of impacted sites throughout the Navy. This presentation will provide an overview of remedial technologies for PFAS-impacted solids, specifically ex situ and in situ treatment technologies for PFAS-impacted soils as currently available and under development. Initial results will be discussed from the Environmental Security Technology Certification Program - Defense Innovation Unit (ESTCP-DIU) comparative technology demonstration project hosted at Joint Base Elmendorf-Richardson in Anchorage, Alaska. SPEAKERS: Jovan Popovic (NAVFAC EXWC) and John Kornuc (NAVFAC EXWC) 1630 Adiourn

Agenda RITS Day 2 Presentations (Times subject to change)

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0800 – 0815	Welcome & Introduction
0815 – 1000	Optimization Tools and Strategies Implemented at Sites with Long-Term Remediation Systems Challenges can arise over the course of operating long-term remediation systems, including, but not limited to, pump-and- treat, soil vapor extraction, and multi-phase extraction systems, which can incur significant expenses during operation, maintenance, and monitoring activities. This presentation will discuss the basis and timing for considering a range of tools and strategies to support system optimization throughout the cleanup process. The presentation will then feature case studies from four Navy sites to highlight when optimization efforts were implemented to support a transition from the long-term remediation system to alternative active remedies, natural attenuation, or other stakeholder-agreed strategies to reduce remedial timeframes and/or life cycle costs, while remaining protective. SPEAKER: Mike Perlmutter (Jacobs)
1000 – 1015	Break
1015 – 1200	Managing Lead-Impacted Sites under CERCLA In January 2024, the United States Environmental Protection Agency (EPA) updated the long-awaited soil lead guidance for CERCLA sites and Resource Conservation and Recovery Act (RCRA) corrective action facilities. This update affects several sites in the DON Environmental Restoration Program (ERP). This presentation will discuss the update to the EPA lead soil Regional Screening Level (RSL) and how lead should be assessed during the human health risk assessment process. The integral role of blood lead levels in assessing risk and the use of the Integrated Exposure Uptake Biokinetic (IEUBK) model for developing preliminary remediation goals will also be presented. Case studies will be discussed to highlight the updated EPA lead soil RSL. SPEAKER: Christopher Saranko (Geosyntec Consultants)
1200 – 1330	Lunch
1330 – 1530	PA/SI Process for Sites with G-RAM A framework has been recently developed which provides a standardized approach in conducting a PA/SI for sites with a known presence or potential presence of G-RAM. This presentation will provide an overview of this framework for G-RAM-impacted sites and highlight key differences from other impacted sites addressed under CERCLA. The approach is consistent with the requirements of the United States Nuclear Regulatory Commission (NRC), EPA, DON, and other appropriate state and local regulations, while focusing on the DON's ERP goals. The framework is also consistent with the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) and the Radiological Site Management Toolkit for Navy Installations for surveying and sampling at radiological sites. SPEAKER: Rion Marcinko (Jacobs)
1530	Adjourn

