

This e-mail is supported by NAVFAC's Alternative Restoration Technology Team (ARTT) to provide links to Technology Transfer (T2) tools and the latest information on policies, guidance, and training related to innovative technologies. The T2 topics highlighted in this issue will help support the ARTT's chartered goals of promoting the use of innovative technologies, removing barriers to implementing new technologies, and reducing cleanup costs, while remaining protective of the environment and human health.

Issue 127

March 3, 2015

DON NAVFAC Perfluorinated Compounds Interim Guidance and Frequently Asked Questions

NAVFAC recently released a Frequently Asked Questions (FAQ) document regarding perfluorinated compounds (PFCs). As installations receive requests to evaluate PFCs at Navy Environmental Restoration (ER) sites, the PFC Guidance/FAQ has been developed to assist with identifying issues and promoting a consistent approach for dealing with these contaminants at ER sites. The issues discussed include eligibility and funding responsibilities and scenarios, investigation and sampling methodologies, and remedial response considerations. The FAQ is available at the link below.

https://www.navfac.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er_pdfs/gpr/don-ev-guid-pfc-faq-20150129i.pdf

NAVFAC and NMCPHC Guidance for Communicating Vapor Intrusion at Environmental Restoration Sites

This guidance, prepared by NAVFAC and the Navy and Marine Corps Public Health Center (NMCPHC), is designed to provide Navy ER Program Remedial Project Managers (RPMs) with recommendations for notifying and relaying information regarding vapor intrusion (VI) investigations to Base personnel and potentially affected occupants of industrial, office, or residential buildings. Ensuring a safe work environment for Base employees is a top priority for Department of the Navy (DON) officials. RPMs should use this guidance to assist project teams and Base officials with communicating plans and results of VI investigations and potential future actions in a timely and responsible manner. Although this guidance is intended to support RPMs, it may also be useful for environmental professionals managing potential VI issues.

https://www.navfac.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er_pdfs/gpr/navfac-ev-guid-vi-comms-20141009f.pdf

SERDP and ESTCP Webinar Series: Quantitative Framework for the Selection of Bioremediation Approaches at Chlorinated Solvent Sites

The SERDP/ESTCP webinar series continues with a focus on a useful screening tool for the application of bioremediation at chlorinated solvent sites. This ESTCP-funded project determined the relationship between biogeochemical parameters and degradation rates for known degradation pathways. Data from more than 90 sites was used to establish correlations between the naturally attained rate constant and the abundance of specific parameters. Associations were then established for parameters such as Dehalococcoides (Dhc) densities, reductase densities, dissolved oxygen, oxidation-reduction potential,

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magnetic susceptibility, Fe(II), Mn(II), methane, ethane, total organic carbon, and others. These associations were used to develop a quantitative framework and decision logic for the screening tool. Based on site-specific conditions, the tool will provide screening considerations to determine if monitored natural attenuation (MNA), biostimulation, biologically mediated abiotic reductive dechlorination, or bioaugmentation is the most appropriate remedial approach.

Topic: Quantitative Framework and Management Expectation Tool for the Selection of Bioremediation Approaches at Chlorinated Solvent Sites

Presenter: Ms. Carmen Lebrón, Private Consultant and Dr. John Wilson, Scissortail Environmental Solutions

Date: Thursday, March 19th 2015

Time: 9:00 AM PDT | 12:00 PM EDT

ITRC Decision Making at Contaminated Sites: Issues and Options in Human Health Risk Assessment

The Interstate Technology and Regulatory Council (ITRC) has published a document on *Decision Making at Contaminated Sites: Issues and Options in Human Health Risk Assessment (RISK-3, 2015)*.

The guidance document is different from existing ITRC Risk Assessment guidance and other state and federal resources because it identifies commonly encountered issues and discusses options in risk assessment when applying site-specific alternatives to defaults. In addition, the document includes links to resources and tools that provide even more detailed information on the

specific issues and potential options. The ITRC Risk Assessment Team believes that organizations can use this document as a resource or reference to supplement their existing guidance. Community members and other stakeholders also may find this document helpful in understanding and using risk assessment information. See the links below to view the document and to attend an associated webinar.

<http://www.itrcweb.org/risk-3/>

Topic: Issues and Options in Human Health Risk Assessment - A Resource When Alternatives to Default Parameters and Scenarios are Proposed

Presenter: ITRC Risk Assessment Team

Date: Tuesday, March 10th 2015

Time: 10:00 AM PDT | 1:00 PM EDT

Please register at: <http://www.clu-in.org/conf/itrc/risk3/>



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