

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 133

September 2, 2015

OER2 Webinar Series: NAVFAC Guidance for Environmental Background Analysis of Sediment - Overview and Case Study of Apra Harbor Sediments, Naval Base Guam

The NAVFAC Open Environmental Restoration Resource (OER2) Webinar Series continues with a webinar on the Navy's Background Policy and NAVFAC guidance related to environmental background analysis (EBA) for sediment. The webinar will include a discussion of EBA technical and scientific principles and present EBA data collected for the Apra Harbor sediment Remedial Investigation efforts. The environmental data collected from the Apra Harbor sediment project provides an excellent example of metal background evaluation. Apra Harbor sediments will be used as a case study to demonstrate how multiple lines of evidence from both statistical and geochemical approaches are used to determine background concentrations based on Navy guidance.



Topic: NAVFAC Guidance for Environmental Background Analysis of Sediment - Overview and Case Study of Apra Harbor Sediments, Naval Base Guam

Presenters: Kim Markillie, Brian Nagy, and Wendell Wen

Date: September 30, 2015

Time: 11:00 AM PDT | 2:00 PM EDT

SERDP/ESTCP Webinar Series: Underwater Geophysical Sensors

SERDP and ESTCP are conducting webinars to promote the transfer of innovative, cost-effective, and sustainable solutions. Two presentations will highlight Department of Defense (DoD) research efforts to develop underwater geophysical sensors. First, Dr. Mark Prouty of Geometrics will discuss the development of a real-time underwater magnetometer array to detect, characterize, and remediate military munitions found at underwater sites. Second, Dr. Thomas Bell of Leidos will talk about adapting electromagnetic sensor technologies to underwater applications for munitions and explosives of concern (MEC) detection and classification.

Topic: Munitions Response: Underwater Geophysical Sensors

Presenters: Dr. Mark Prouty and Dr. Thomas Bell

Date: September 17, 2015

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

Please register at: <https://www.serdp-estcp.org/Tools-and-Training/Webinar-Series/09-17-2015>

U.S. EPA Office of Underground Storage Tanks Webinar: Petroleum Vapor Intrusion Guide

The U.S. EPA is holding a webinar on the new *Technical Guide for Addressing Petroleum Vapor Intrusion at Leaking Underground Storage Tanks Sites*. Join the webinar to learn about petroleum vapor intrusion (PVI) and the U.S. EPA's recommended steps for addressing PVI. The PVI guide focuses on releases of petroleum hydrocarbons (PHCs) from underground storage tanks (USTs) regulated under 40 Code of Federal Regulations (CFR) Part 280. It provides screening criteria based on physical separation distances between vapor sources and potential receptors.

Topic: Petroleum Vapor Intrusion Guide Webinar

Presenter: U.S. EPA Office of Underground Storage Tanks (OUST)

Date: September 9, 2015; September 23, 2015; or October 14, 2015

Time: 10 am PDT | 1 PM EDT

U.S. EPA Technical Guide for Addressing Petroleum Vapor Intrusion at Leaking Underground Storage Tank Sites

This guide is intended for use at any site subject to PHC contamination from USTs where vapor intrusion may be of potential concern. It defines PVI and recommended actions for addressing PVI. Information is provided on defining a lateral inclusion zone and vertical separation distance from the subsurface vapor source that can be used to determine if further assessment is warranted.

View the document at: <http://www.epa.gov/oswer/vaporintrusion/documents/PVI-Guide-Final.pdf>

U.S. EPA Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air

This guide describes a recommended framework for assessing vapor intrusion that relies on collecting and evaluating multiple lines of evidence to support risk management decisions. It also provides technical recommendations about monitoring and terminating building mitigation systems.

View the document at: <http://www.epa.gov/oswer/vaporintrusion/documents/OSWER-Vapor-Intrusion-Technical-Guide-Final.pdf>

NAVFAC Technical Memorandum on Vapor Intrusion Passive Sampling

This technical memorandum was prepared for NAVFAC Remedial Project Managers, contractors, and other stakeholders to provide an overview of the use of passive samplers for vapor intrusion applications. It describes the basics of passive sampler theory and design, the available types of passive samplers, the advantages and limitations of passive samplers, and important considerations when implementing a passive sampling program. In addition, the results from two vapor intrusion case studies at DoD sites are highlighted.

View the document at:

http://www.navfac.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er_pdfs/v/navfacexwc-ev-tm-vi-passive-sampling-201507.pdf

For questions or more information, please contact EXWC_T2@navy.mil or visit our Web page at: <https://www.navfac.navy.mil/go/erb>