

TECHNOLOGY TRANSFER (T2) UPDATE FOR ENVIRONMENTAL RESTORATION

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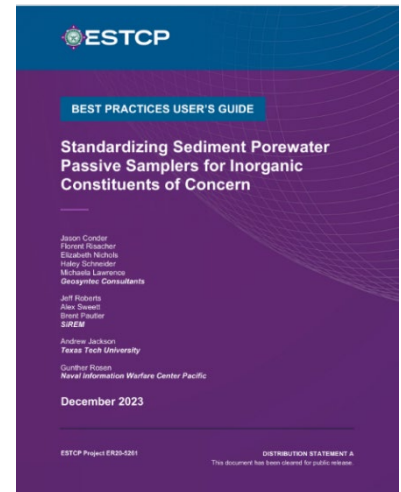
Department of Defense (DoD) Environmental Security Technology Certification Program (ESTCP) Best Practices User's Guide: Standardizing Sediment Porewater Passive Samplers for Inorganic Constituents of Concern

A project was conducted under DoD ESTCP to evaluate the use of commercially available sediment porewater dialysis passive samplers, also known as peepers. The project involved a literature review, laboratory studies, and a field demonstration of peepers at Naval Base San Diego (NBSD) in California. Peepers are small compartments containing ultra-pure water that equilibrate with sediment porewater via passive diffusion through a semi-permeable membrane. The in-situ deployment of the peepers occurs over days to weeks for chemical equilibration. Peepers have performed successfully in sampling sediment porewater for inorganic constituents including cadmium, chromium, copper, lead, nickel, mercury, and zinc.

A User's Guide has been published that includes best practices for preparing, deploying, retrieving, and processing peepers using the methods validated under this research.

View the User's Guide, fact sheets, and other resources at the link below:

<https://serdp-estcp.mil/projects/details/db871313-fbc0-4432-b536-40c64af3627f/er20-5261-project-overview>



Interstate Technology Regulatory Council (ITRC) Vapor Intrusion Mitigation Webinar Series

Vapor Intrusion Mitigation - A Two-Part Series Training (February 27 and March 11 at 1 PM ET)

ITRC's Vapor Intrusion Mitigation training will be presented over two sessions as follows:

- Session 1 (February 27) will discuss key elements of conceptual site models for vapor intrusion mitigation. Participants will learn about the importance of public outreach during mitigation efforts, rapid response and ventilation techniques, and the role of remediation and institutional controls in managing vapor intrusion.
- Session 2 (March 11) will cover the implementation of both active and passive mitigation approaches. The session will also include a review of system verification, operation, maintenance, and monitoring considerations to ensure compliance and long-term effectiveness, along with exit strategies.

To register for the ITRC webinars, please use the link below:

<https://itrcweb.org/online-training>

This email has been prepared by the NAVFAC EXWC Environmental Restoration Division

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ABOUT THIS EMAIL

This email supports the NAVFAC Environmental Restoration Program by providing the latest information on policy, guidance, and training related to innovative technologies. Links are provided to T2 resources and tools. Our goal is to promote the use of innovative technologies, remove barriers to implementing new technologies, and reduce cleanup costs, while remaining protective of human health and the environment.