

TECHNOLOGY TRANSFER (T2) UPDATE FOR ENVIRONMENTAL RESTORATION

Issue 246: May 2025

NAVFAC Fact Sheet on Assessing Per- and Polyfluoroalkyl Substances (PFAS) Leaching from Soil to Groundwater

Understanding the nature and strength of PFAS leaching from soil to groundwater is critical for effective site management. Soil can retain PFAS, potentially resulting in a long-term source of PFAS in groundwater. The unique physicochemical properties of PFAS result in complex fate and transport behavior in the vadose zone, and in some cases may require specialized evaluations to determine how soil to groundwater leaching fits into a particular conceptual site model.

This Fact Sheet explains how different PFAS migrate through the vadose zone, how to estimate groundwater recharge rates, and how to estimate PFAS concentrations in porewater. In addition, the Fact Sheet discusses new sensor-based methods for monitoring soil conditions, which may help in better understanding and managing PFAS leaching to groundwater.

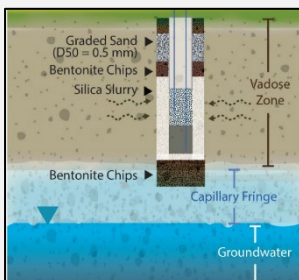
To view the NAVFAC Fact Sheet, please use the link below:

https://exwc.navy.mil/Portals/88/Documents/EXWC/Restoration/er_pdfs/p/PFAS%20Leaching%20from%20Soil%20March%202025.pdf?ver=mKcMLBiTezrmZWXtoe2TIg%3d%3d



NAVFAC Open Environmental Restoration Resources (OER2) Webinar on Understanding PFAS Leaching: Key Processes, Decision Frameworks, and Management Strategies

As an accompaniment to the Fact Sheet, please join us for the upcoming NAVFAC OER2 Webinar providing insights into PFAS leaching processes from soil to groundwater. This webinar will equip Remedial Project Managers (RPMs) with the knowledge and tools to understand, assess, and manage PFAS leaching, focusing on key processes, essential data requirements, and modeling techniques.



Topic: Understanding PFAS Leaching: Key Processes, Decision Frameworks, and Management Strategies

Presenters: Charles Schaefer (CDM Smith) and Chuck Newell (GSI Environmental)

Moderator: Nicolette Andrzejczyk (NAVFAC EXWC)

Date: Wednesday, May 7, 2025

Time: 2 PM ET

To register, please use the link below:

<https://einventions.afit.edu/inv/anim.cfm?i=1146995&k=0360460F725E78>

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

Please connect with the T2 Team:

Email: EXWC.T2@us.navy.mil

LinkedIn: <https://www.linkedin.com/showcase/navfacerb>

Website: <https://exwc.navy.mil/go/erb>

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.