Technology Transfer Update

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

Issue 203 September 2, 2021

Department of the Navy (DON) Policy for Sampling of Emerging Chemicals in Clean Water Act (CWA) Discharges

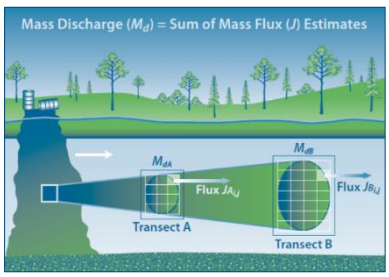
A DON policy was released in July 2021 related to sampling for emerging chemicals in CWA discharges. The policy requires installations to report new State or local sampling regulations and/or permit conditions related to the sampling of an emerging chemical/material in CWA discharges up the chain of command to OPNAV N452. The policy also states that DON installations whose final National Pollution Discharge Elimination System (NPDES) permits include emerging chemicals/materials sampling conditions must comply with those conditions following a Navy legal counsel determination that they are valid.

View the DON policy at:
https://www.navfac.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er_pdfs/e/EC%20Policy_Final_20Jul21.pdf

New Interstate Technology and Regulatory Council (ITRC) Resources

The ITRC is a state-led coalition working to reduce barriers to the use of innovative environmental technologies. ITRC produces documents on key subjects to increase technical knowledge and to develop consistent regulatory approaches. Recent guidance documents are featured below:

ITRC Technical Resources for Addressing Environmental Releases of Per- and Polyfluoroalkyl Substances (PFAS). The ITRC has developed a comprehensive resource on PFAS covering the state-of-the-science and identifying remaining technical challenges. The latest update in 2021 includes new sections on surface water quality and ecological risk assessment. For more information, visit the updated PFAS-1 web document: https://pfas-1.itrcweb.org/



ITRC Use and Measurement of Mass Flux and Mass Discharge. An optimized approach includes consideration of contaminant mass discharge and mass flux at impacted sites. These parameters help to improve decision-making by quantifying the source or plume strength at a given time and location. This ITRC document covers key concepts, applications, and measuring approaches for mass discharges and mass flux. For more information, visit the MAF-1 web document: https://maf-1.itrcweb.org/