

2020 Teams

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Soil Background Concentrations

NEW!

Jan 2020—July 2021

Team Leaders: Bonnie Brooks (MPCA) and Claudio Sorrentino (CA DTSC)

Soil background concentrations are important to consider when conducting human health and ecological risk assessments. Currently, there is inconsistency in the way stakeholders define background, use sampling methods, and apply statistical methods in risk assessment. Other sources of valuable information such as geochemical evaluations and forensic methods are not widely used or accepted. The Use of Soil Background Concentrations in Risk Assessment team will create a guidance document and training resources that will provide a useful framework for using soil background concentrations in risk assessment and its application to soil-like materials such as sediments and mining sites.

GSR / Resiliency

June 2019—May 2021

Team Leaders: Tom Potter (MassDEP) and Tom O'Neill (NJ DEP)

Green and Sustainable Remediation (GSR) is the site-specific employment of products, processes, technologies, and procedures that mitigate contaminant risk to receptors while making decisions that are cognizant of balancing community goals, economic impacts, and environmental effects. Increasingly, resiliency to extreme weather events and wildfires have begun to play a more significant role in GSR planning and implementation. This team is working on updating the 2012 GSR guidance document and creating new fact sheets that will address topics such as GSR and resiliency, technical and regulatory issues, beneficial reuse, and best management practices.

Vapor Intrusion Mitigation

June 2019—Sep 2020

Team Leaders: Matthew Williams (MI EGLE) and Kelly Johnson (NC DENR)

Vapor intrusion (VI) is the movement of chemical vapors from contaminated soil and groundwater into a structure. While the investigation of contaminated soil and groundwater has been around for decades, VI has only been in the national spotlight for the last 10-15 years. Scientific research is continually providing new insight into the movement and mitigation of subsurface vapors. This team will focus on developing a series of fact sheets and tools that will address topics such as conceptual site models, active mitigation systems, passive mitigation systems, and risk communication.



Mar 2020—Dec 2021

PFAS

Team Leaders: Bob Mueller (NJ DEP) and Ginny Yingling (MN DOH)

The state of the science and understanding of PFAS is constantly evolving. The goal of the PFAS continuation team is to update existing ITRC technical resources to reflect the latest in the science of PFAS; develop video training resources; establish a new subgroup dedicated to collecting data, information, and scientific knowledge to support states in their work to surface water; and perform classroom trainings based on ITRC's published technical resources.

1,4-Dioxane

Jan 2019— Dec 2020

Team Leaders: Gladys Liehr (FL DOH) and Heather Barbare (CDPHE)

To address 1,4-Dioxane contamination, some states have devised health standards or regulatory guidelines for drinking water and/or groundwater standards. However, many states do not have the necessary guidance to implement standards or guidelines and have expressed the need for input on 1,4-Dioxane site assessment, detection, monitoring, and remediation. Since the team's formation in January 2019, the team is planning on publishing a series of fact sheet in early 2020, as well as continuing their work on their guidance document and training resources by the end of 2020.

Jan 2019—Sep 2020

ISM Update

Team Leaders: Caroline Eigenbrodt (NY DEC) and Troy Keith (TDEC)

Done properly, Incremental Sampling Methodology (ISM) significantly improves the reliability of sample data, as well as the time and cost needed to investigate and remediate soil and sediment contamination. In the past six years after the publication of the ITRC ISM guidance document, ISM-type investigation methods have evolved, and regulators have gained more experience in the application of ISM in the field. This team is currently working on updating the 2012 ITRC guidance document and creating new training resources that will be published in late 2020.

HCBs

Jan 2019—Mar 2021

Team Leaders: Angela Shambaugh (VT DEC) and Ben Holcomb (UT DEQ)

Determining effective mitigation strategies for Harmful Cyanobacterial Blooms (HCBs) is a challenge for environmental regulators since mitigation approaches vary in scale and scope, from investigation of individual technologies to integrated watershed monitoring, modeling, and prediction. This team is currently working on developing a guidance document that will be published in early 2021, as well as various fact sheets and web tools. Topics include prevention and early response, best management practices, and risk communication.