



ITRC TPH Risk Evaluation at Petroleum-Contaminated Sites

WHAT IS ITRC?

The Interstate Technology Regulatory Council (ITRC) is a state-led, public-private coalition dedicated to reducing barriers to the use of innovative environmental technologies. ITRC represents over 900 individuals, across 50 states, working to produce guidance and training on innovative environmental solutions. Bringing together teams of state and federal regulators along with private, academic, and stakeholder experts, ITRC broadens and deepens technical knowledge and reduces barriers to expedient regulatory approval. Since 1995, the collective success of this coalition has generated huge benefits to the environment, inspired new technical innovations, and saved hundreds of millions of dollars. ITRC is a program of the Environmental Research Institute of the States, managed by the Environmental Council of the States. This partnership is based on a commitment to protect and improve

human health and the environment across the U.S.

ABOUT THE TPH RISK EVALUATION TEAM

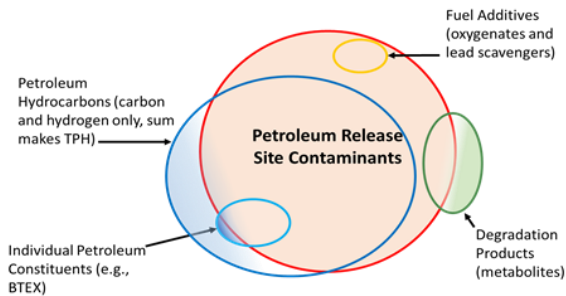
This project began in 2016 and is in its second year. The project team consists of a consortium of over 130 state regulators, scientists, academics, public stakeholders and industry representatives. The project team will develop guidance on current methods and procedures used for evaluating TPH risks at petroleum-contaminated sites. The team will consider TPH carbon range chemistry and toxicity, methods to develop weighted toxicity factors and screening levels for different fuel types, models and approaches to develop screening levels for direct exposure, vapor intrusion, drinking water and aquatic toxicity, gross contamination, etc. The guidance document will primarily be a compilation of existing information, with sections covering:



regulatory framework; chemical properties/TPH fundamentals; conceptual site model; risk assessment for both human and ecological risk: risk calculators; special considerations and stakeholders.

led to a wide range of cleanup values. Updated guidance is now needed to help states understand and evaluate the unique properties of TPH in order to develop a consistent methodology for establishing risk-based cleanup levels and for establishing and approving methods for risk-based corrective actions at petroleum contaminated sites.

Contaminants at Petroleum Release Sites
(Additional anthropogenic & naturally occurring contaminants overlap release)



UPDATE STATUS

The TPH Risk Evaluation at Petroleum-Contaminated Sites guidance document is expected to be released December 2018. The first online training is scheduled for early 2019.

THE TPH RISK EVALUATION PROJECT

Uncharacterized TPH contamination can result in exposure to soil, groundwater, and vapor containing elevated TPH levels. This can lead to public health concerns, work stoppages, temporary losses of jobs, disruptions to small businesses, and impose economic hardships on communities. A process that allows a more informed use of TPH data to identify potential problems ahead of time is an important part of the solution. Methods and techniques for characterizing the risk from petroleum mixtures has been refined using a variety of methods, which has

JOIN THE TEAM!

The TPH Risk Evaluation at Petroleum-Contaminated Sites Team began in 2016. To join, visit <http://itrcweb.org/Membership/TeamRegistration>.

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