



Vapor Intrusion Mitigation Training Team

The Interstate Technology and Regulatory Council (ITRC) is excited to start a Team in June 2019 on Vapor Intrusion Mitigation Training.

ITRC is a state-led coalition dedicated to reducing barriers to the use of innovative environmental technologies. ITRC represents over 1,000 individuals, across 50 states, working to produce guidance and training on innovative environmental solutions. Bringing together teams of state, federal, tribal, industry, 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 country.

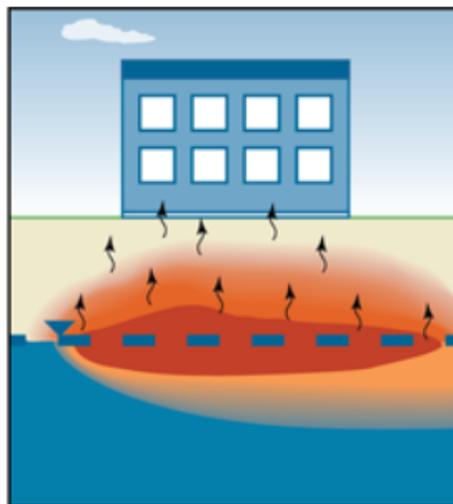
VAPOR MITIGATION

Vapor intrusion (VI) is the movement of chemical vapors from contaminated soil and groundwater into a structure. Vapors primarily enter through openings in the building foundation or basement walls – such as cracks in the concrete slab, gaps around utility lines, and sumps. Once inside the home or workplace, vapors may be inhaled, posing immediate or long-term health risks. The management of

vapors migrating through the subsurface, or vapor mitigation, is often required at sites where the results of an investigation indicate that concentrations of a hazardous substances in indoor air exceed action levels, or are likely to exceed screening levels in future buildings.

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. Thus, state and federal agencies, consulting firms, and industry are eager to stay up-to-date on the ever-changing approaches.



ABOUT THE VAPOR INTRUSION MITIGATION TRAINING TEAM

To fill the knowledge and training gap that currently exists, the VI Mitigation Training Team will create a new training program using ITRC's [2007 Vapor Intrusion](#) and subsequent [2014 Petroleum Vapor Intrusion](#) (PVI) guidance documents. Prior ITRC training on VI and PVI focused on the investigative process, and not on mitigation. The new VI Mitigation training program will aid state regulators in understanding the various mitigation strategies, how they are installed and fundamentally work, and what factors to consider as part of the review process. The training program will lead to an increase in acceptance on alternate remedial strategies that are not commonly implemented,

as well as increase the knowledge and understanding on what information should be provided as part of the review process. The training program will address succession planning and provide checklists for professionals to review various mitigation technologies.

The proposed modules for the VI Mitigation training program include, but are not limited to:

- General Overview of Chlorinated and Petroleum Vapor Intrusion
- Conceptual Site Models
- Active Mitigation Systems
- Passive Mitigation Systems
- Communication and Outreach about Mitigation Systems

JOIN THE TEAM!

The Vapor Mitigation Training Team will begin in June 2019! By joining the Team, you will have the opportunity to contribute to the development and implementation of the training program. Team registration will open soon here: <http://itrcweb.org/Membership/TeamRegistration>

GENERAL PROJECT SCHEDULE

There will be monthly conference calls and multiple in-person meetings. The training program will go through external review in early 2020 and will be publicly available in mid-2020.

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