

Increasing attention has been given to understanding the impacts of subsurface vapor contaminant migration into overlying buildings. Many of these impacted structures are residences and manufacturing facilities where current and future occupants face undesirable health risks. The science of determining, characterizing and managing these risks is constantly evolving. Much remains to be done in assisting regulators, consultants and other decision-makers to make informed decisions in mitigating the problem and reducing these risks. ORD has been very proactive in providing technical assistance and support to EPA program offices (OSWER), regional offices, other federal agencies, states and other interested parties in dealing with vapor intrusion issues.

The update will provide some of the most recent significant findings and advancements from technical support activities offered, to date. This support comes from research studies, demonstration projects, field studies, commercial cleanups and data analyses. Many of the contributors to these efforts have been investigating vapor intrusion for nearly two decades and continue to advance the science of understanding this vexing problem.

Most of the information to be presented during this one day workshop will cover some of the more significant findings extrapolated from the following OSWER generated documents: (1) Background Indoor Air Concentrations of Volatile Organic Compounds in North American Residences: A Compilation of Statistics and Implications for Vapor Intrusion; (2) U.S. EPA's Vapor Intrusion Database: Preliminary Evaluation of Attenuation Factors; (3) Conceptual Model Scenarios for the Vapor Intrusion Pathway; (4) Update on the U.S. EPA's Vapor Intrusion Guidance Document.

In addition, information derived from recent and ongoing studies will be presented to complement the main program agenda, including an opportunity for discussion and Q&A.