



# FACT SHEET

## **Former Plattsburgh Air Force Base: Soil Vapor Intrusion Investigation at Sites SS-005 and SS-006**

### **What is Soil Vapor Intrusion?**

Soil vapor intrusion is a process by which volatile chemicals migrate from a contaminated source in soil or groundwater into indoor air of buildings. Vapors can enter a building through cracks and openings in slabs or basement floors and walls. Operation of heating, ventilation or air-conditioning systems or exhaust fans, dryers, etc., may create a negative pressure that can draw soil vapor into the building.

### **Planned Soil Vapor Intrusion Investigation Activities**

The Air Force Civil Engineer Center will conduct a soil vapor investigation at selected buildings on the former Plattsburgh Air Force Base in 2013.

The Air Force previously studied the potential for soil vapor intrusion into buildings on the base and concluded in 2001 that there was no need for further action. While there are no indications of a change to this situation, the Air Force will conduct a soil vapor intrusion study to verify that these buildings are not being affected by vapor intrusion.

The 2013 study will be performed at SS-005 (Former Non-Destruction Inspection laboratory facility—Building 2802) and SS-006 (Former Aerospace Ground Equipment facility—Buildings 2801 and 2815) at the former Plattsburgh AFB, Plattsburgh, New York. The sampling will evaluate whether vapor intrusion is occurring, or has the potential to occur, and will result in the development of recommendations for further investigations or remediation. During the sampling activities, technicians will install sampling ports using a drilling rig or a rotary hammer drill. Sample ports will be located inside the buildings (Bldgs. 2801, 2802, and 2815) to collect sub-slab soil gas vapor samples. Additional soil gas vapor probes will also be installed at outdoor locations around the buildings. Indoor and outdoor air samples will be collected. These samples will be collected over varying lengths of time but may vary from 8 to 24 hours in duration depending on length of normal building occupancy.

### **Conceptual Site Model of Vapor Intrusion**

The drawing on the next page depicts an example conceptual site model of vapor intrusion.

### **For More Information**

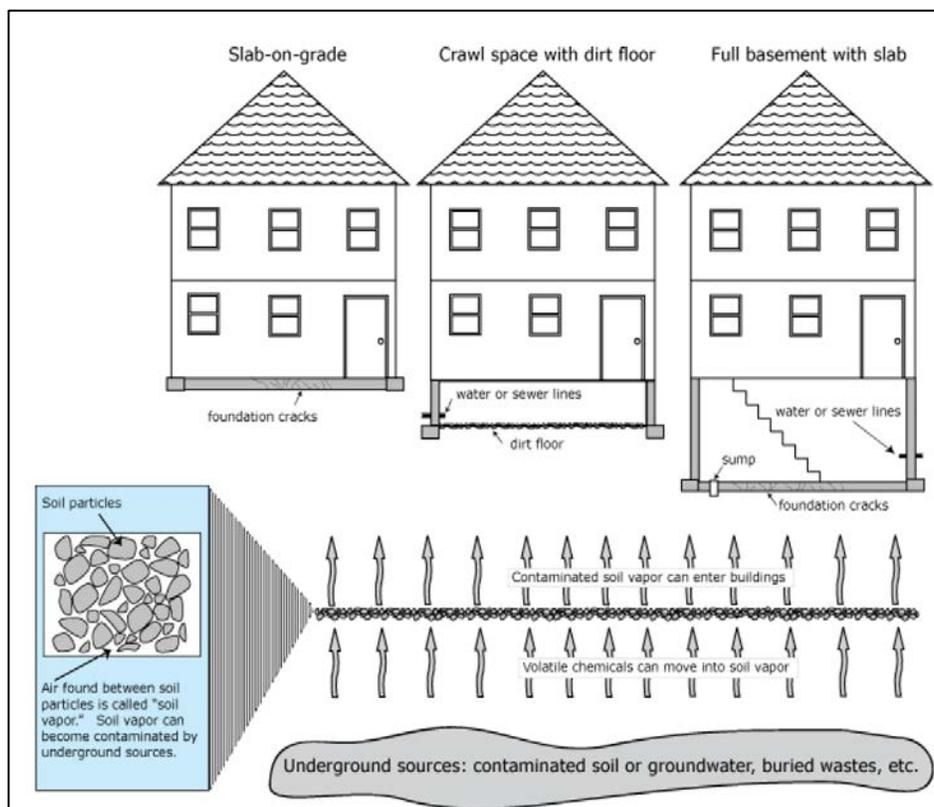
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**Conceptual Site Model of Vapor Intrusion into Buildings**

*Current as of March 2013*