



## **THE NEW ASTM STANDARD FOR ASSESSMENT OF VAPOR INTRUSION**

When conducting property transfers, assessing vapor intrusion should be considered. Vapor intrusion is defined as the introduction of volatile contamination found in underlying soil and/or groundwater into buildings. Vapor intrusion issues can result in significant cost and liability to owners and occupants of the buildings. In 2005, an ASTM vapor intrusion task force was created to develop an ASTM standard for property transactions.

The new standard consists of a four tiered approach. Tier 1 is an initial screening of the site and will have minimum search distances for vapor intrusion sites. The Tier 1 assessment will determine if a potential vapor intrusion condition (VIC) exists. If a p-VIC is present, then the Tier 2 investigation is warranted. The Tier 2 process is used to screen out vapor intrusion sources identified in Tier 1. Tier 3 involves sampling either soil gas or indoor air to make a determination. Tier 4 evaluates proper mitigation techniques in the event a VIC is identified in the Tier 3 process.