

### PADEP UPDATED VAPOR INTRUSION GUIDANCE RELEASED - NOVEMBER 2016

The Pennsylvania Department of Environmental Protection (PADEP) released updated Vapor Intrusion Guidance on Saturday, November 19, which will become effective on January 18, 2017. PADEP will incorporate this guidance into the next edition of the Land Recycling Program Technical Guidance Manual, currently under revision and tentatively slated for release in mid-late 2017.

This updated Vapor Intrusion Guidance is a major revision from the 2004 version. The new guidance incorporates scientific research on vapor intrusion over the past twelve years and is similar to recent EPA vapor intrusion guidance. Significant changes include:

- Recalculated vapor intrusion screening levels, which are much lower for several common volatile organic compounds.
- Updated proximity distances, within which vapor intrusion should be evaluated.
- Alternate proximity distances specific to petroleum compounds, recognizing that they more readily and naturally attenuate in the environment.
- Revised procedures for investigating vapor intrusion under the Statewide Health Standard and the Site Specific Standard.
- Detailed sampling procedures and mitigation guidance.

With the updated screening levels, the new guidance will require vapor intrusion investigations at more sites and more types of data to fully evaluate the pathway. These investigations will likely take longer due to more involved sampling requirements.

It is important to note that in general, while this guidance will not be applied retroactively to sites that have a Final Report or Remedial Action Completion Report (RACR) under review by PADEP, it will be important to consider the implications of this new guidance when conducting environmental due diligence.

A copy of the new guidance can be downloaded at the PADEP website at:  
<http://www.elibrary.dep.state.pa.us/dsweb/View/Collection-13184>

To discuss how this revised guidance may affect your sites, please contact your Langan project manager or:

Philadelphia, PA  
Jeffrey Smith, PG, Associate  
[jsmith@langan.com](mailto:jsmith@langan.com) | 215.845.8915

Doylestown, PA  
Sean Damon, PG, Senior Associate/VP  
[sdamon@langan.com](mailto:sdamon@langan.com) | 215.491.6531

Pittsburgh, PA  
Katherine Linnell, PG, Project Geologist  
[klinnell@langan.com](mailto:klinnell@langan.com) | 724.514.5121