

EPA: Vapor Intrusion Guidance

- ▶ USEPA OUST
 - USTs - Petroleum
 - <http://www.epa.gov/oust/cat/pvi/>
 - Review draft (April 2013)
 - *background, conceptual models, separation / inclusion distances, LNAPL mobile/residual, dissolved; vapor profiles; biodegradation; non-petroleum; attenuation factors; models*

- ▶ USEPA OSWER
 - Superfund / RCRA
 - <http://www.epa.gov/oswer/vaporintrusion/>
 - Review draft (2002), public comment, 2002, 2011.
 - comments incorporated

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| <ul style="list-style-type: none">• <i>Both to: WH OMB in October 2014</i>• <i>Review by Gov't Agencies: DoD, NASA, etc.</i>• <i>Give or take – 90 days</i> |
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ITRC PVI



ITRC – “Interstate Technology Regulatory Council”
PVI – “Petroleum Vapor Intrusion”

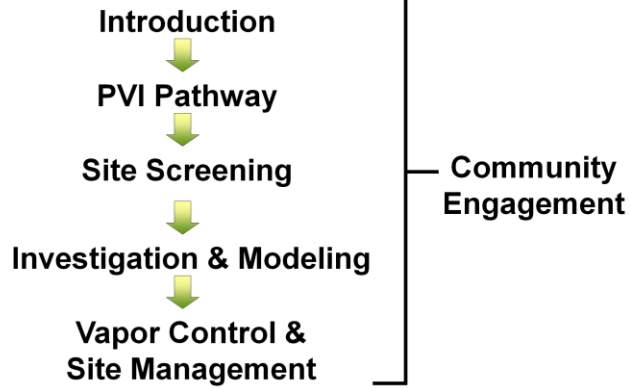
www.itrcweb.org

▶ PVI Guidance Document

- Available now
 - Internet based
 - www.itrcweb.org/PetroleumVI-Guidance [guide]
 - <http://www.itrcweb.org/Training> [internet-based training]

- Team members in state environmental agency:
 - AZ, CA, CO, DE, DC, GA, HI, KY, ME, MI, MN, MS, MO, MT, NV, NH, NJ, NM, NY, NC, PA, SC, TX, UT, VT, VA, WA, WV

ITRC PVI : What's in it ?



Background Information (biodegradation); Conceptual Models; Screening (inclusion/exclusion distances); Decision Process; Stakeholder Engagement

Background Information, Conceptual Models, Screening (exclusion distances), Decision Process, Stakeholder engagement

ITRC PVI: Beyond Screening

► Refined Approaches

Contaminant Sources Not in Contact with Building	Contaminant Sources in Contact with Building	Other Scenarios
<p>Approach</p> <ul style="list-style-type: none"> • Expected: Soil Gas • Alternatives: <ul style="list-style-type: none"> • Groundwater • Soil • Subslab, indoor, outdoor 	<p>Approach</p> <ul style="list-style-type: none"> • Expected: Indoor/crawl space and outdoor air • Alternatives: <ul style="list-style-type: none"> • Sump water • Soil gas • Soil, if source is not groundwater 	<ul style="list-style-type: none"> • Intermittent Petroleum Odors • Undeveloped Lots • Preferential Pathways • Comingled Contaminants

► Tools Described - Also

- Investigation, Modeling, Mitigation, Management

Scenario 1: Contamination Not in Contact with the Building

At PHC sites with contamination not directly in contact with the building, it is expected that the initial investigation approach will most likely be soil gas sampling, since soil gas data are reflective of the processes that occur in the vadose zone (partitioning, sorption, biodegradation) from contamination source to the overlying building. Alternative approaches may include collection of groundwater, soil, subslab soil gas, or indoor air and outdoor air data.

ITRC PVI Training

▶ Internet-Based Training

- Early 2015 – public
- About 2 hrs duration

Sponsored: ITRC
Hosted:
US EPA Clean Up Information
Network (www.cluin.org)

▶ Workshop Training

- In development
- Late 2015
- Several days duration

No associated notes.