

IEA: The Scope is Broad

Lila Beckley

Dave Hill

Agenda

- Introduction
- Radon Mitigation
- Rebranding and Business Opportunities
- Standards and Credentials
- Sustainability and Mission Expansion
- Radon as an Environmental Threat
- Radon Presentations
- Notes on VI
- VI Presentations



Radon Mitigation

- Active Soil Depressurization (ASD) Systems
 - Considered the best available technology for radon mitigation
 - Reduces the entry of soil gases into buildings
- Types of Soil Gases Reduced by ASD Systems
 - Radon
 - Moisture (water vapor)
 - Chemical vapors

Rebranding and Business Opportunities

- Expand Business Opportunities
 - Leverage our expertise to reach new markets
- ASD Originators
 - Creators of ASD for vapor intrusion mitigation
- VI Expertise
 - Long-time members with extensive knowledge



Standards and Credentials

ANSI/AARST Standards
to fit all soil gas
concerns

Future add on
professional credentials

Sustainability and Mission Expansion



Expanded Mission

Includes VI



Support for Members and Stakeholders

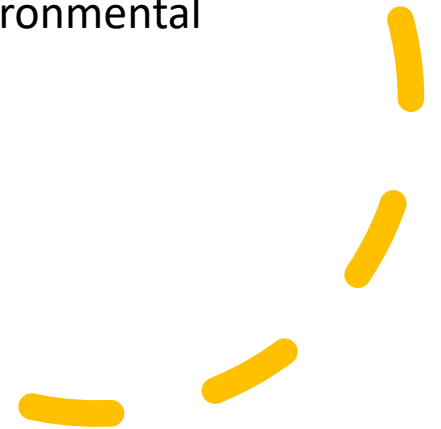
Engaged in VI part of the industry

AARST is a nonprofit, professional organization of members who are dedicated to the highest standard of excellence and ethical performance of hazard identification and abatement of radon, chemical vapor intrusion, and other contaminants of concern in the built environment. The organization primarily strives to advance the interests of its members through developing industry standards, certifying technical proficiency, enabling advancement of public policy, and communicating health risks to the public.



Radon as an Environmental Threat

- Radon as a Major Indoor Threat
 - Still Ranked as the number one indoor environmental threat!
- IEA's Role
 - IEA is the Radon Professionals Association
- Strategic Planning
 - Focuses heavily on radon initiatives



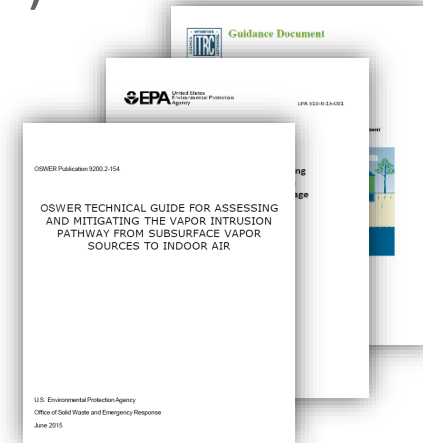
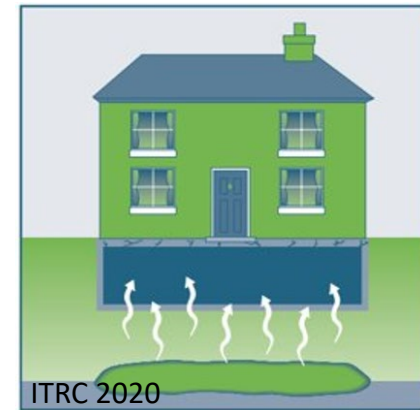
Radon Presentations

- Expert presentations
- Expand knowledge
- Network with peers
- Visit with exhibitors



A Brief History of (Chemical) Vapor Intrusion

- › 1980s Radon intrusion
- › 1990s VOC vapor intrusion from releases/spills?
- › 2000s More studies (e.g., Redfield, CO), guidance – Federal (draft), ITRC, States
- › 2008-2013 ASTM E2600 (Vapor Encroachment) & ASTM E1527 (Phase I)
- › 2011-2014 Petroleum vs. non-petroleum VI
- › 2015 USEPA finalizes VI guidance
- › 2015 More changes, principally recognition of sewer/conduit preferential pathways



KEY POINT

VI practice is an outgrowth of radon. VI regulations, guidance, and the science have been evolving, with many recent changes... creating opportunities.

Symposium VI Track

- Monday, November 16th, 10:45am – 5pm
- Presentations cover current issues in VI
 - Site characterization – is VI a problem at my site?
 - Sampling and testing - case studies and strategies
 - Similarities and differences from radon
 - Mitigation design
 - Regulatory frameworks