

Vapor Intrusion Mitigation

NEWMOA Workshop

April/May 2015

Presented by Robin Mongeon, P.E. NH Department of Environmental Services

ITRC – Shaping the Future of Regulatory Acceptance

- -
- Host organization
- Network
 - etwork F.COS • State regulators
 - All 50 states and DCFederal partners
 - 6
 - DOE DOD EPA
 - ITRC Industry Program

Academia

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Affiliates

Community stakeholders

- Wide variety of topics
 - Technologies
 - Approaches
 - Contaminants
 - Sites
- Products
 - Documents
 - Technical and regulatory guidance documents
 - Technology overviews
 Case studies
 - Training
 - Internet-based
 - Classroom

WWW.ITRCWEB.ORG





Site Remediation



Advantages Permanent Need to do anyway May be lowest cost May address other exposure pathways Disadvantages May take too long May be too expensive Building may be in the way







Institutional Controls





Legal mechanisms

- Deed notice
- Deed restriction
- Covenant
- Zoning requirement
- Use control area
- One-call notification
- Site management plan

WWW.ITROWEB.ORG











































Passive vs. Active



Passive Controls	Active Controls
 Passive Controls Favored by many developers No active components or costs Less stigma perceived Barriers must be robust Venting must be provided Integrity should be tested (more difficult to test than active) Only works for new buildings Passive venting less effective 	 Active Controls Less favored by developers Operation and maintenance needed Perceived stigma Highly effective (99% reduction) Easily tested (pressures) New or existing buildings Easily modified Can initially be passive (convert to active system if necessary)









QUESTIONS

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