

SUBGROUP: Vapor Intrusion

Remediation and Redevelopment External Advisory Group



NOTES

Remediation and Redevelopment External Advisory Group – Vapor Intrusion

Thursday, December 5, 2024 | 2:00 -3:30 p.m.
State Natural Resources Building (GEF 2) | Room G27
101 S. Webster St., Madison, WI

Attendees:

In-person:

- Shar Te Beest, DOT
- Michael Prager, DNR
- Roxanne Chronert, DNR
- Judy Fassbender, DNR
- Jennifer Borski, DNR
- Jim Walden, DNR
- Christine Sieger, DNR
- Rob Hoverman, 23point5, LLC
- Ryan Blundon, Lifetime Radon Solutions
- Jodie Thistle, DNR
- Megan Hamilton, Arcadis
- Danika Hill-Paulus, MKE Fresh Air
- Nathan Kloczko, DHS
- Tony Kollasch, SCS Engineers
- Quin Lenz, Cedar Corporation
- Andrea Lorenz-Foth, Foth Infrastructure & Environment
- Jason Lowery, DNR
- Jane Malone, Indoor Environments
- Kurt McClung, Endpoint Solutions
- Stephen Meer, The Sigma Group
- Andrew Mott, Ramoll

Zoom:

- Lanette Altenbach, LLA LLC
- Alex Amundson, WEC Energy Group
- Chris Bonniwell, Tetra Tech
- Ed Buc, Terracon
- Renata Bunger, Northwest Side Community Development Corporation
- Frank Dombrowski, WEC Energy Group
- Donald Gallo, Gallo Law LLC
- Harry O'Neill, Beacon Environmental
- Paul Overlien, RetroGreen Energy
- Adam Roder, Geosyntec
- Mark Rutkowski, Shannon & Wilson
- Alyssa Sellwood, DNR
- Lucas Totzke, City of Milwaukee
- Marie Venne, TRC Companies
- Heidi Woelfel, GZA GeoEnvironmental
- Jeremiah Yee, DHS

Updates and Information

- The DNR provided updates to the group about attendance at recent conferences and other ongoing efforts related to guidance.
 - Indoor Environments Association – Radon & Vapor Intrusion Symposium (Sept 2024)
 - Association of Vapor Intrusion Professionals (AVIP) 3rd Annual Conference (Oct 2024)
 - Updates and consolidation of Vapor Intrusion Guidance in development by *Interstate Technology Regulatory Council*.
 - RR-800 guidance updates continue.
- Jane Malone, Indoor Environments Association, attended the meeting and provided information to the group about the association and status of development of a national vapor intrusion mitigation credential.

Discussion of EAG and engagement

- The group reviewed discussion from Oct. 2024 EAG meeting and considered a proposal for future meetings. The group recommends continuing quarterly meetings for the Vapor Intrusion subgroup. Interest in development of white paper on mitigation certification.

Action items/assignments for next meeting

- **Subgroup:** Continue to meet quarterly and begin development of a white paper on a mitigation certification.

SUBGROUP: Vapor Intrusion

Remediation and Redevelopment External Advisory Group

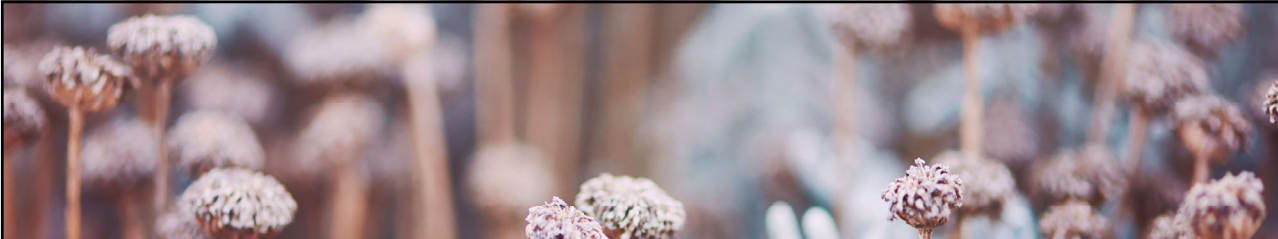


- **DNR:** Compile feedback on engagement discussions from all subgroup meetings for EAG action in January 2025.
- **ALL:** Subscribe to the [RR EAG listserv](#) to receive information about future meeting dates, agendas, resources, and other EAG-relevant items. Zoom attendees are automatically added to the listserv; if you would like to opt out, please email Coreenr.Fallat@wisconsin.gov.

Next meeting date


- Remediation and Redevelopment External Advisory Group (EAG) – Jan. 23, 2025

Adjourn



Vapor Intrusion Subgroup

REMEDICATION & REDEVELOPMENT
EXTERNAL ADVISORY GROUP
December 5, 2024



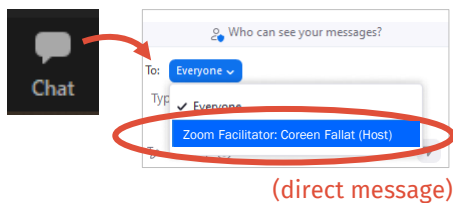
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Zoom Meeting Logistics

All attendees are muted

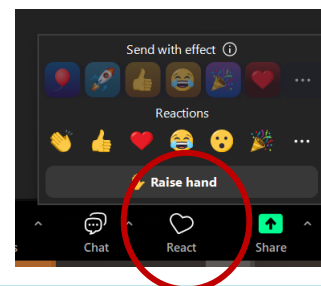
Written Comments/Questions

- Use **chat** and select Zoom facilitator in the “To” dropdown
- Remarks will be read out loud by facilitator



Verbal Comments/Questions

- **Select React to Raise hand** to request a turn to talk (* 9 on phone)
- Please unmute when your name is called (*6 on phone)



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Introductions



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Agenda

- Updates and Information
 - DNR Updates
 - Indoor Environments Association, Jane Malone
- EAG and Engagement
- Assignments
- Next Meeting Date
- Adjourn

Find agenda and meeting materials at dnr.wisconsin.gov/topic/brownfields/rreag under "meetings"

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Vapor Intrusion Subgroup – Updates and Information

Ed Buc, Terracon

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DNR Updates



- DNR at Indoor Environments Association – Radon & Vapor Intrusion Symposium (Sept 2024)
- DNR at Association of Vapor Intrusion Professionals (AVIP) 3rd Annual Conference (Oct 2024)
 - State regulators
 - Environmental consultants
 - Environmental attorneys
 - VI-related vendors (e.g., vapor barriers, mitigation systems, telemetry systems, labs)
 - Policy and technical presentations
- Coming Up: Vapor Intrusion Guidance, RR-800 (Goal in Spring 2025)

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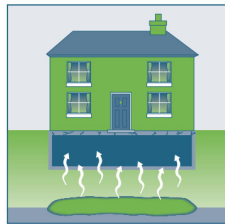
Interstate Technology Regulatory Council

ITRC is working to combine and update three documents into one web-based guidance document.



Technical and Regulatory Guidance

Vapor Intrusion Pathway: A Practical Guideline



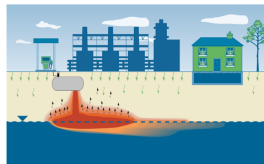
January 2007

Prepared by
The Interstate Technology & Regulatory Council
Vapor Intrusion Team



Guidance Document

Petroleum Vapor Intrusion Fundamentals of Screening, Investigation, and Management



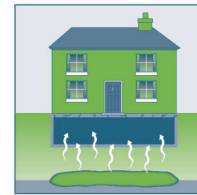
October 2014

Prepared by
The Interstate Technology & Regulatory Council
Petroleum Vapor Intrusion Team



Technical/Regulatory Guidance

Technical Resources for Vapor Mitigation Training



IMPORTANT: This guidance document was developed for use on the web. Please review the following disclosures before using the PDF version of the web-based document:

- Web-based formatting may not be optimal when using this document as a PDF.
- Hyperlinks will not work in the web-based document.
- Abbreviations are not hyperlinked.
- The majority of the references are not hyperlinked.

December 2020

Prepared by
The Interstate Technology & Regulatory Council (ITRC)
Vapor Intrusion Mitigation Training Team

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ITRC Vapor Intrusion Documents Timeline



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Jane Malone, National Policy Director

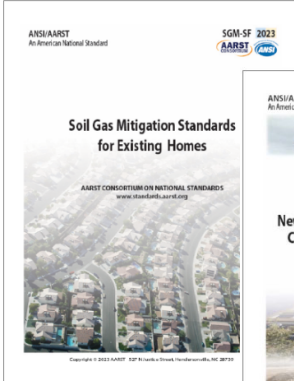
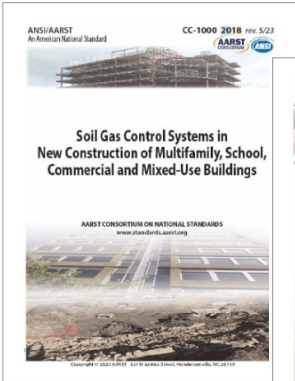
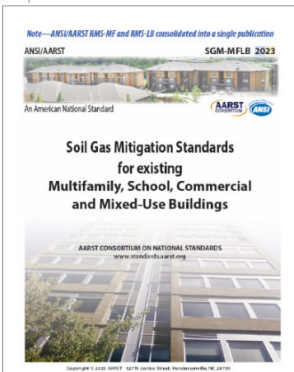
<https://aarst.org/>

<https://standards.aarst.org/>

**AARST is now
Indoor Environments
Association™**

Indoor Environments Association 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.

Mission statement

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EAG VI Subgroup: Since September 2023...

- 📍
Active Notifications & Telemetry – Issues & Trends (Oct 2023) and website (Aug 2024)
- ⚡
Conduit Vapor Intrusion Investigation Update – Issues & Trends (Nov 2024)
- 📄
Working on mitigation timeline fact sheet for non-technical stakeholders (content May 2024)
- 🏠
Overview of coming updates to Vapor Intrusion Guidance, RR-800 (May 2024)
- 🗺️
Ad hoc committee on mitigation certification – communications with IEA
- 🏢
Ad hoc committee on local government outreach and education – vapor intrusion communication mapping with city of Milwaukee

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Current Priorities



Implementation of Wis. Stats. § 292.12(2) – assigning continuing obligations at interim action



Enhance outreach and training sessions and resources



Assure best management practices for mitigation of vapor intrusion



Advise on partnerships with local governments (cities, villages, towns)

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EAG Engagement



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Purpose & Scope of EAG



Provide constructive and practical input to the DNR

Recommendations to the DNR on how the agency implements its programs



Address technical and policy topics related to encouraging the investigation, cleanup and redevelopment of contaminated sites

Technical topics
State and/or federal investigation and cleanup policies, regulations, guidance development and other initiatives
Funding and financial incentives



Recommendations to the Legislature and Governor about legislative changes or new programs to improve investigation, cleanup and redevelopment tools



Collaborative efforts with other DNR programs and outside partnerships

2024 Meeting Summary

Meeting*	# of Meetings	Hybrid or Virtual
Full EAG	4	Hybrid (3) & Virtual (1)
Funding Subgroup	3	Hybrid
NR 700 Subgroup	3	Hybrid
Vapor Intrusion Subgroup	3	Hybrid

*The Contaminated Sediment and Environmental Justice Subgroups did not meet in 2024.

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Challenges and Opportunities



Rules

Rule-making current efforts suspended and timeframe for future efforts is not set



Engagement

Structure

Consider of the structure of the EAG, subgroups and meeting format

Training

Interest in training newer consultants to increase engagement with the EAG

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What can we each contribute to the EAG?



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Slide 17


JTO Coreen will update to show engagement umbrella


Thistle, Jodie M - DNR, 2024-12-02T23:37:00.232

CF0 0 @JodieThistle - does this work for you?


Fallat, Coreen R - DNR, 2024-12-03T16:06:18.487

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Join at slido.com
#RRProgramCall


 Start presenting to display the joining instructions on this slide.

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What motivates you to engage through the EAG? (VI)

 Start presenting to display the poll results on this slide.


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In your experience, which of the following is a consideration that may/limit participation in the EAG (choose all that apply)? (VI)

 Start presenting to display the poll results on this slide.


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Put the following benefits of engaging through the EAG in order of value to you. (VI)

 Start presenting to display the poll results on this slide.


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How many in-person EAG meetings can you attend in 2025? (VI)

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23

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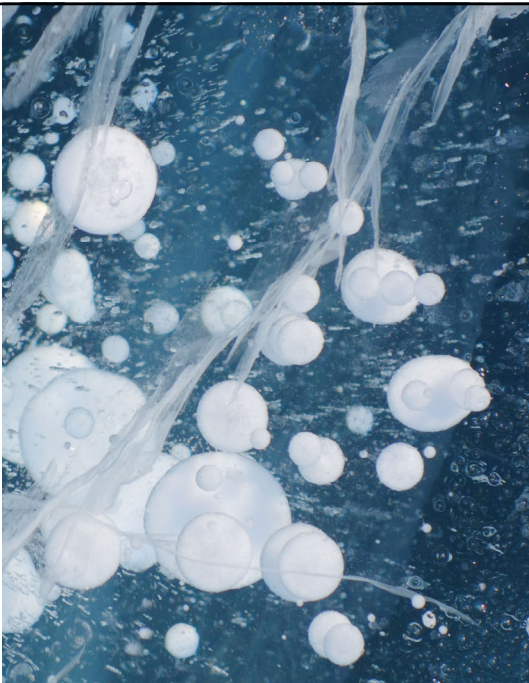


How many virtual meetings can you attend in 2025? (VI)

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Proposal for 2025 Meetings



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Objectives for EAG Meetings in 2025

-  Receive timely input and feedback on RR program topics through discussion with the full EAG
-  Increase in-person interaction between stakeholders and the DNR RR program team
-  Meet the request for training on RR program topics to grow knowledge and increase opportunities for engagement with stakeholders

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Proposal

Four EAG Meetings (In-person)	No Subgroup Meetings	Pop-Up Locations at DNR offices
Full-Day Meeting	Regular Agenda Items	Add Training Topics to Agenda

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Example Agenda

9:30 - 10:00	Coffee
10:00 - 12:00	EAG meeting
12:00 - 12:45	Lunch
12:45 - 2:00	Training
2:00 - 2:30	Adjourn



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Where should we go from here?

- Things that are working
- Things we could do to improve the EAG



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Next Steps

Engagement discussions today



Compile feedback



Decision by EAG at January meeting

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Assignments



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Scheduled Meeting Dates



- Full EAG**
 - January 23, 2025
 - April 23, 2025
 - July 16, 2025
- Subgroup Meetings**
 - February 11, 2025
 - May 15, 2025

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CONNECT WITH US

RR Program

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OFF THE RECORD"