

January CEMS Webinar

Topic: Overview of ITRC's Vapor Intrusion Mitigation Training Team Work Products

Speakers: Matt Williams (Michigan Environment, Great Lakes, & Ecology – EGLE) VI Mitigation Specialist for the State of Wisconsin and Team Co-Leader for the ITRC Vapor Intrusion Mitigation Training (VIMT) Team and Steve Brauner (Environmental Works Inc.) – Principal Engineer and Co-Program Advisor for the ITRC VIMT Team

Time: Tuesday, January 12, 2021, 11:45am-1pm

Registration: Webinar details and links below

CEMS has applied for one (1) general CLE credit for this presentation

Since May 2019, the Interstate Technology and Regulatory Council (ITRC) Vapor Intrusion Mitigation Training (VIMT) Team has been working on materials and training to address needs of regulatory program personnel regarding sites with known or potential VI impacts. This information is also useful to practitioners (i.e., environmental consultants or engineers), responsible parties, public and tribal stakeholders, and attorneys that are involved with buildings that require mitigation to address vapor intrusion. The VIMT team is comprised of more than 230 professionals from both the public and private sectors, and is scheduled to publish 10 fact sheets, 16 technology information sheets, and 4 checklists in late December 2020.

This presentation provides an overview on the contents and an introduction on how to access and use the work products produced by the VIMT Team. The need for training materials focused on vapor intrusion mitigation were developed based on feedback received following publication of ITRC's 2007 Vapor Intrusion Pathway and 2014 Petroleum Vapor Intrusion guidance documents. We look forward to providing this overview and engaging in discussion, questions, and answers with the members of the Colorado Environmental Management Society.

For full details, and complete speaker biographies, please [follow this link](#)

Registration Link. After registering, you will receive a confirmation email containing detailed information about joining the webinar. If you lose your registration or confirmation, or have questions, please do not hesitate to contact CEMS via email admin@coems.org.

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From the Board... Hello 2021 by Erik Gessert, Terracon Consultants, Inc.

Everyone has a plan until they get punched in the mouth¹. That's what 2020 felt like. CEMS three marquee events (Movie Night, Golf Event, Fall Conference) were canceled over the course of the year. Our monthly in-person program pivoted to a webinar series back in May, robbing us of a more enriched social networking experience. I'm not writing from a doom and gloom perspective. It is just the reality of what occurred in 2020, and frankly, these setbacks are so small compared to the loss and suffering experienced around the world.

So, what do you do when you have a plan and goals, and then nothing works the way you planned for? You regroup and refocus; you brush your shoulders off. And that's what the CEMS Board of Directors has focused on during the back half of 2020. Over the course of a few months we developed a Strategic Planning agenda where we took apart and then put back together how our organization works and how we would like for it to work moving forward. We started by looking at the educational and networking opportunities we historically provide to our membership and evaluated what those events look like in the face of a pandemic. What can we do now? What can we do when things get closer to the normal we once knew? From there we did a TOWS² analysis to really understand what we do well and where we feel we can improve. Lastly, we held one more brainstorming session to turn the TOWS analysis into action. It was hard. It was fun. It took a lot of effort, but we are pleased with the opportunities 2021 holds.

You were foremost on our minds. For the past 35 years CEMS primary focus has been both to provide relevant educational and networking experiences for our membership. Top on our 2021 prioritizes list is to refocus on what networking across the state can look like. We memorialized a host of ideas to safely network now and will be rolling out those ideas to you soon. 2020 taught us that we can connect virtually. Our intention is to absolutely resume in-person experiences as soon as it is safe to do so, but we will retain a virtual experience option as well to better connect with members outside of the Denver-metro area. We will also look to host events across the state and strengthen our relationships with universities, agencies, and geographic partners. There are other action items we will be addressing to better the value you receive as a CEMS member, but these are some of the larger outward facing objectives we identified for 2021.

Our organization thrives based on the volunteered support of our members and there is more opportunity now than ever before to participate. Hands down, the greatest joy and fulfillment I have experienced as a CEMS member is the relationships and collaborations I have had the opportunity to be a part of over the years. I don't know when I attended my first CEMS event. It was probably in the early 2000s. I remember attending a Fall Conference where Governor Ritter was the keynote speaker.

(continued on Page 7)

2021 CEMS Officers:

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Vice-President: Maggie Mandell, PE, Environmental Works, Inc., (301)943-2830, mmandell@environmentalworks.com
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Alternate CDPHE Liaison: Rachel Blomberg, CDPHE, (303)691-4024, rachel.blomberg@state.co.us
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OPS Liaison: Tom Fox, CDLE; Division of Oil and Public Safety, (303)318-8535, tom.fox@state.co.us

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 Evan Singleton, Gablehouse Granberg, LLC, (303)572-0050, esingleton@gcgllc.com

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Monthly Programs:

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Michael Whelan, Anchor QEA, LLC, (303)952-4850, mwhelan@anchoragea.com

Golf:

Mike Jahn, Tasman Geosciences, Inc., (303)487-1228, mjahn@tasman-geo.com

Scholarship – Co-Chairs:

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Rachel Blomberg, CDPHE, (303)691-4024, rachel.blomberg@state.co.us

Website: Juliana Reid, CEMS, admin@coems.org

IT Coordinator: Brian LaFlamme, Ensero Solutions, BLaFlamme@Ensero.com

MEMBERSHIP – RENEWALS AND NEW MEMBERS

A big thank you to all those members who renewed, and welcome to our newest members.

New – Individual

Angela Ledgerwood, Animas Environmental Services
Randy Wheeler, Ninyo & Moore

Renew – Individual

Dorthea Hoyt, EA Engineering, Science, and Technology, Inc. PBC
Angelica McMahon, City of Westminster
Evan Singleton, Gablehouse Granberg, LLC
Richard Townsend, Historical Information Gatherers

Renew – Corporate

AECOM

Katie Abbott	Nathaniel Adams	Chris Ahrendt	Anjal Armbruster	Anne Baldrige
Annette Barndt	Jennifer Bell	Robyn Bingham	William Bock	Robert Boudra
Larry Brook	Joe Capotrio	Rich Chamberlain	Cory Chance	Ann Cinabro
Patrick Clem	Noelle Cochran	Christine Coder	Ray Cote	Graham Dawson
Jeffrey Dawson	Robert DeBaca	Linsey DeBell	Scott Ellis	Stephen Ensley
Juston Fariello	Barker Fariss	Anne Ferguson	Tom Fiersten	Pat Gagnon
Anthony Galligan	Molly Giere	Stan Gladych	Xiaoni Guo	Bradlyey Handziuk
Naseem Hasan	Catherine Hawk	Denise Hazelman	Justin Henry	Richard Henry
Jeremy Hurshman	Robert Iwanchuk	Angela Jaspers	Meagan Jones	Vasanta Kalluri
Brain Kennedy	David Killam	Bill Killam	Jim Knight	Carl Leth
Camille Littlefield	Jim Litz	Mena Lopez	Paul Lorenz	Chuck Luyten
Gary Maher	Wes Martin	Allison Martinelli	Dora Medellin	Doug Mendelson
Alexa Molthen	Natalie Moreno	Jeff Mott	Emily Nebel	Katherine Nicholas
Dwight Parks	Sameer Patel	Chris Pearson	Jason Pelton	Ken Pinnella
Brian Powers	Elaine Reilly	Joe Rigley	Brian Rothmeyer	Cynthia Sammauro
Nancy Sandberg	Brittany Shaw	Caitlin Shaw	Albert Shotnik	Kaye Sigmon
Jenna Slabe	Jason Smith	Kallin Snow	Gregg Somermeyer	Matt Spansky
Mary Stauffer	Steve Szocik	Kelly Tapp	Roger Thompson	BenTracy
Gordy Tucker	Jon Vail	Geoffrey Webb	Wesley Weichert	Emily West
Caroline Whitesides	Meng Xu	Margaret Zebley	Chuan-Mian Zhang	Meegan Zimmerman

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Shilo Pare	Morgan Pratte	Vanessa Rosario-Lopez		Marta Schlecht
Jennifer Tomas	Eric Vonde	Kari Yenter		

Wright Water Engineers, Inc.

Jane Clary	Andrew Earles	Diane Foster	Jennifer Keyes	Karl Kingery
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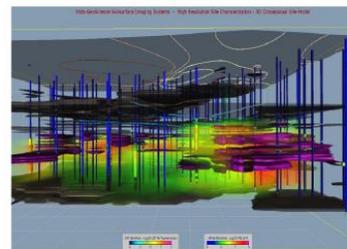
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Members on the Move

To be included in this section, submit your previous information along with your new information via email to Juliana Reid at admin@coems.org. Changes must have occurred within the last three months, and your membership must be current.

CEMS REGULATORY UPDATE
FEDERAL AND STATE ACTIONS IMPACTING COLORADO
By April D. Hendricks
Burns, Figa & Will, P.C.
December 2020

On November 23, 2020, the Environmental Protection Agency (EPA) published its [final risk evaluation](#) for trichloroethylene (TCE) under Section 6 of the Toxic Substances Control Act (TSCA). TSCA Section 6 requires EPA to conduct risk evaluations to determine whether a chemical substance presents an unreasonable risk of injury to health or the environment. As part of its evaluation process under Section 6, EPA reviewed fifty-four uses of TCE, which is a volatile organic compound (VOC) used in consumer, commercial, and industrial settings, commonly as a degreasing solvent for metal equipment or in the manufacture of refrigerants. TCE is also present in cleaning products and automotive care products. EPA found unreasonable risks to workers, occupational non-users, consumers, and bystanders for fifty-two of the fifty-four reviewed uses, primarily resulting from long- and short-term inhalation or skin exposure to TCE. EPA also found that TCE poses no unreasonable risks to the environment. TSCA now requires that EPA develop a plan to reduce or eliminate the unreasonable risks outlined in its risk evaluation, which may include regulating the manufacture, use, and disposal of TCE in the future.

On November 23, 2020, the Colorado Oil and Gas Conservation Commission [announced](#) the completion of rulemaking hearings implementing the change in the Commission's mission mandated under Senate Bill 2019-181, from "fostering" to "regulating" the state's oil and gas development to better protect public health, safety, wildlife, and the environment. Certain changes approved by the Commission include increasing setbacks to a minimum of 2,000 feet from schools and homes, mandating increased protections for wildlife and water resources, prohibiting certain chemical additives to hydraulic fracturing fluids, and creating a unified permitting process. The rules will become effective on January 15, 2021.

On December 2, 2020, the EPA published its [final rule](#) determining that financial assurances will not be imposed under Section 108(b) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) for certain industries, including chemical manufacturing; power generation, transmission, and distribution; petroleum manufacturing, and coal products manufacturing. Section 108(b) authorizes the EPA to require owners and operators of certain classes of facilities to establish and maintain evidence of financial responsibility (typically through letters of credit, bonds, or insurance), consistent with the degree of risk associated with the production, transportation, storage or disposal of hazardous substances. With this final rule, the EPA determined that facilities in these industries, operating within their applicable regulatory frameworks, do not present a quantum of risk that requires proof of financial responsibility under CERCLA. This final rule only dictates that operators within these industries do not have to demonstrate their financial responsibility; the EPA's enforcement authority over these industries under CERCLA has not been modified.

On December 7, 2020, the EPA [announced](#) its final rule retaining the existing the primary (health-based) and secondary (welfare-based) National Ambient Air Quality Standards (NAAQS) for particulate matter. Particulate matter (PM) is a combination of substances suspended in ambient air as small solid or liquid particles emitted from both man-made and natural sources. When present in the atmosphere in significant amounts, PM poses health risks to those with heart or lung disease, children, older adults, and other sensitive groups, and may also contribute to haze in cities and certain climate-related impacts. The EPA's existing NAAQS for PM are based upon particle size of either less than 2.5µg (fine particles, PM_{2.5}) or less than 10µg (coarse particles, PM₁₀). The existing primary PM_{2.5} standards consist of an annual average standard of 12.0 µg/m³ and a 24-hour standard of 35 µg/m³. The EPA's primary PM₁₀ standards include a 24-hour standard of 150 µg/m³. Secondary PM standards are set equal to the primary standards, except that the level of the secondary annual PM_{2.5} standard is 15.0 µg/m³. After considering available scientific evidence, input from the Clean Air Scientific Advisory Committee, and public comments, the EPA concluded that the existing PM standards are sufficient to protect the public health and welfare.

TSCA requires that manufacturers and importers of chemical substances listed on the TSCA Chemical Substance Inventory report data on manufacturing, processing, and use every four years. The reports gathered by the EPA aid the agency in identifying exposure to chemical substances and evaluate health and environmental impacts. The current reporting cycle was scheduled to close on November 30, 2020, but the EPA has [extended](#) that deadline to January 29, 2021, due to users' difficulties in accessing and navigating the EPA's online reporting website.

RECRUIT AND PROFIT!!

Recruit a **NEW** member for CEMS and get a **box lunch** credit voucher! For each person you persuade to join CEMS, you will be issued a **box lunch** voucher that you can apply to the CEMS fee of your choice, whether it be a luncheon, workshop or your own membership renewal. Note that you cannot take credit for a member's renewal. However, there is **NO LIMIT** to the number of vouchers you can accumulate. Just have the new member put your name on the referral portion of the Membership Application Form. And keep those new members coming!

Looking for a New Position

CEMS posts many job opportunities on our website.

<http://www.coems.org/jobs>

If you or your company would like to post to our website, please just send over the job description, with contact information to admin@coems.org.

We also will post resumes for our members to help you find new opportunities.

Presentation Opportunities for Upcoming CEMS Meetings

The CEMS Program Committee is currently searching for "interesting, topical and informative" presentations for our meetings in 2021 and beyond. This is a great opportunity to network with your peers, share information and technology, and become more involved with the environmental community. CEMS is interested in an assortment and variety of topics relevant to environmental and natural resources professionals. Each monthly presentation is roughly 50 minutes, followed by a question-and-answer period.

If you or someone you know is interested in presenting at our monthly meetings, or our annual conference, please feel free to contact our Programs Committee Chairperson, Andy Horn at Andy@WestwaterHydro.com.

Comments or suggestions from previous meetings, including the Annual Fall Conference, are also welcome. Let us know if we can publish them in the newsletter or website.

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Sponsorship Category Pricing:

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- Gold – 6 months = \$450 (1/4 page ad, table at 2 live lunch meetings)
- Platinum – 12 months = \$800 (1/2 page ad, table at 3 live lunch meetings)

Please follow this [link to be a sponsor](#).

From the Board *(continued from page 2)*

Not too long after that, I had the opportunity to speak at the conference. And not long after that, I had the opportunity to chair the conference. We are a society and we truly appreciate your role in this society as a participant and contributor. Look for more information from us soon on opportunities to be an active contributor to our society.

Let's say goodbye to 2020 and hello to 2021. I'd like to thank outgoing CEMS president Brian LaFlamme for his leadership through 2020. I'd like to thank our Board of Directors and committee members for their tireless dedication, adaptiveness, and inspiration throughout the year. Lastly, I'd like to thank you for making CEMS such a great organization to be a part of.

¹ This quote is attributed to Mike Tyson. Thanks Iron Mike.

² Threats, Opportunities, Weaknesses, and Strengths. Thanks to Suzanne Gabriele for suggesting this to the Board of Directors and for your commitment to carry this out.

Erik Gessert, PE works for Terracon Consultants, Inc. as a senior environmental engineer where he leads the national LNAPL practice group and provides technical expertise on local, regional and national environmental projects. Previously, Erik was the supervisor of the petroleum remediation group for the Colorado Division of Oil and Public Safety. In this role, Erik was a part of developing and implementing some major program initiatives including enhanced risk-based closure criteria and the Recognized Environmental Professional program. Through good fortune, Erik has been able to work with the Interstate Regulatory Technical Council (ITRC) as a Team Lead for the Light Non-Aqueous Phase Liquid (LNAPL) team. As a Team Lead, Erik was responsible for leading the team in the development of an updated, web-based guidance on LNAPL from proposal submittal through project closeout. LNAPL Site Management: LCSM Evolution, Decision Process, and Remedial Technologies was published in March 2018. Erik earned his Bachelor of Science degree in Civil Engineering from the University of Wisconsin-Madison.