



## CEMS February Luncheon – Hybrid Format

### Overview of the Tire-Derived Chemicals 6PPD & 6PPD-quinone

**Kelly Grant, Scientist, California's Department of Toxic Substances Control in the Safer Consumer Products (SCP) Program**

**Tuesday, February 11, 11:45am-1pm**

**In Person Location: Colorado Department of Public Health and Environment (CDPHE)**

***CEMS February Luncheon (Hybrid Format) Details and Registration***

Please join us in person if you are able, or virtually if you prefer!

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

In October 2024, the Interstate Technology and Regulatory Council (ITRC) released the 6PPD & 6PPD-quinone Guidance Document (<https://6ppd.itrcweb.org/>) with information about the current science and regulatory framework of 6PPD and 6PPD-quinone (6PPD-q). 6PPD-q is a contaminant of emerging concern that is a transformation product of the tire anti-degradant (6PPD). Currently, 6PPD is used in all tires and can contaminate stormwater and surface water anywhere tires are used. 6PPD-q was identified as a chemical fatal to coho salmon in 2020. Since that time, it has been documented as acutely toxic to multiple trout species found throughout the United States. 6PPD and 6PPD-q have been found in waterways, aquatic organisms, soils, air, and humans.

This presentation will provide a high-level overview of the science and policy measures surrounding the Tire Anti-Degradants 6PPD and 6PPD-q. Attendees will gain insight into the current state of knowledge on topics such as: background and use of 6PPD in tires, toxicity in aquatic species and humans; occurrence, fate, and transport; measuring, mapping, and sampling; mitigation measures; and policy, regulations, and laws. We look forward to providing this overview and engaging in discussion, questions, and answers with the members of the Colorado Environmental Management Society.

Kelly has served as a scientist in California's Department of Toxic Substances Control in the Safer Consumer Products (SCP) program since 2018. At SCP, she helps to identify and find solutions to problematic chemicals in products, including 6PPD in tires. She served as the co-leader of the Interstate Technology Regulatory Council team producing technical guidance for government agencies on 6PPD and 6PPD-quinone.

For full topic information, speaker biography, and **registration options** follow this [link](#).

**In Person Location:** CDPHE, 4300 Cherry Creek S. Drive, Denver, CO 80246, Building B (SE Corner), room B1E (The Crayton Room), [MAP with parking](#)

For reservation information, box lunches, webinar, please follow this [link](#).

**Sponsorship:** CEMS accepts sponsorships to defer expenses associated with its webinar series. [Sponsorships are also accepted to fund the Scholarship Fund](#). Information about sponsorship can be found here: [Sponsorship Program](#)

**Notice:** CEMS would like to thank Colorado Department of Public Health and Environment (CDPHE) for the use of meeting space and would like to emphasize that the use of CDPHE space does not constitute endorsement of CEMS, sponsors of CEMS functions, or the content of CEMS workshops or meetings.

## *From the Board... Growth and Success of the CEMS Scholarship Over the Years by Rachel Blomberg, United States Army Corps of Engineers*

In an effort to address high tuition costs and help students achieve their academic goals, CEMS offers up to three scholarships annually for students studying engineering, geology, environmental sciences, law, or another environmental field in which they address environmental health and safety (EHS) management. Over the past seven years, I have participated in the evolution of the CEMS Scholarship opportunity as a supporting Committee member and as the Scholarship Committee Chair. I watched the scholarship success ebb and flow from easily receiving dozens of applications per undergraduate, graduate, and law category, to declining in applications received throughout the COVID-19 Pandemic. In response, and with support from the valued volunteers on the Scholarship Committee, we developed an outreach strategy that targeted each and every college and university across Colorado with EHS curriculum – twenty-two institutions in total. At the beginning of each year, Committee volunteers contact professors and administrators in environmental programs to spread the word of this opportunity. I'm proud of the success we have had in reaching students in a multitude of programs well beyond the Front Range.

Since I began my tenure on the Committee in 2017, CEMS has delivered \$57,000 in scholarships to deserving students at nine different colleges and universities across the State. Before 2017, our scholarships provided only \$1,500 per recipient. Since that time, we have increased the scholarship amount to \$3,000 per recipient, thanks to funds raised from the efforts of the Golf Committee, as well as from generous donations from our members. These combined efforts have guaranteed our ability to once again offer a total of \$9,000 in scholarships in 2025.

The far-reaching impacts of scholarships such as our own expand well beyond financial assistance. By filling the gap in financial aid, scholarships help pay tuition on time and allow students the freedom to pursue academics over working to pay the bills. If students are not worried about tuition payments and do not need employment while in college, they may focus more on their studies, have a better chance of graduating on time, and pursue unpaid internship opportunities meaningful to their future growth. Additionally, scholarships allow students of all socioeconomic backgrounds the opportunity to attain a rigorous education. Combined, these factors help position a student for success in securing a rewarding career upon graduation and guarantee a depth of knowledge for the future of the EHS career field.

*(Continued on page 7)*

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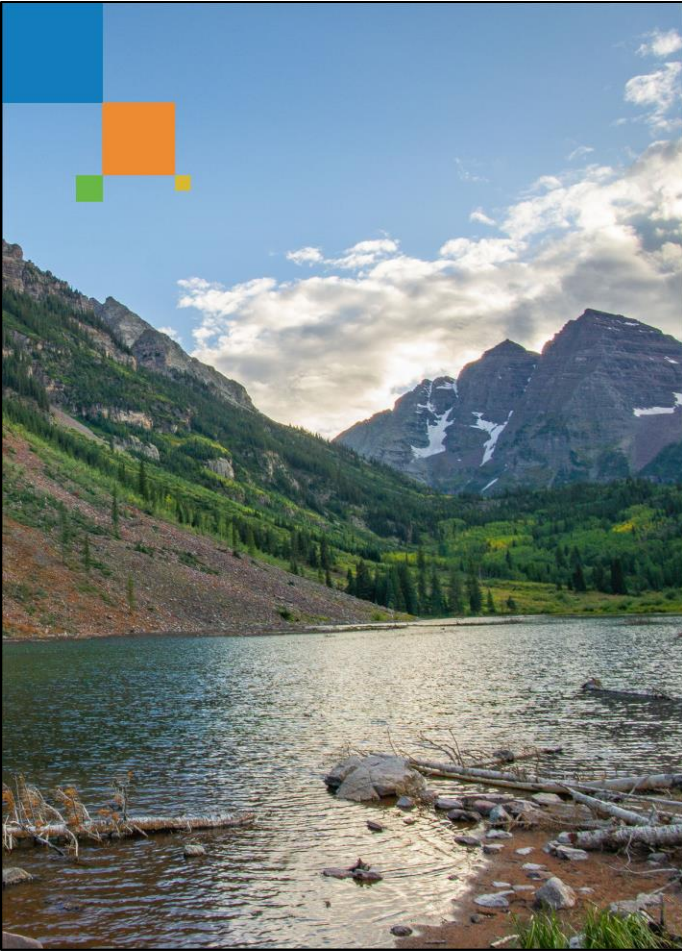
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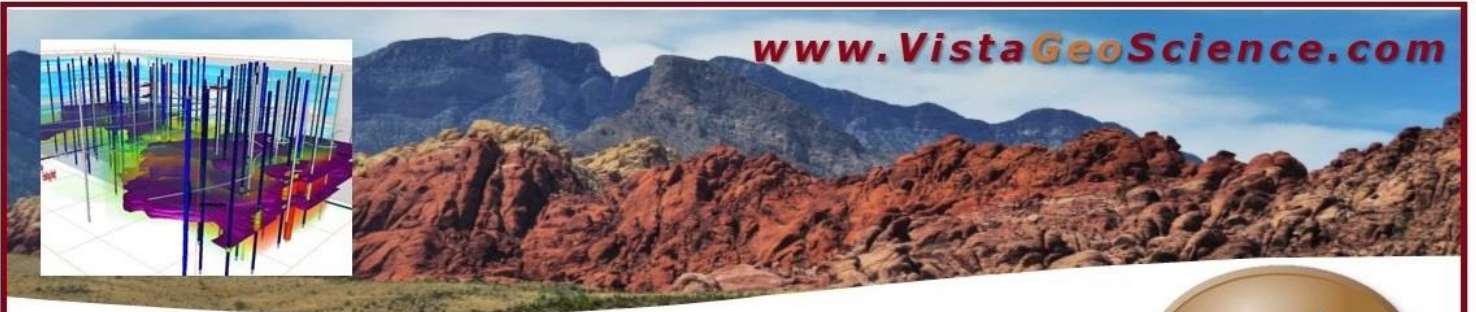


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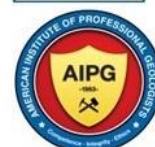
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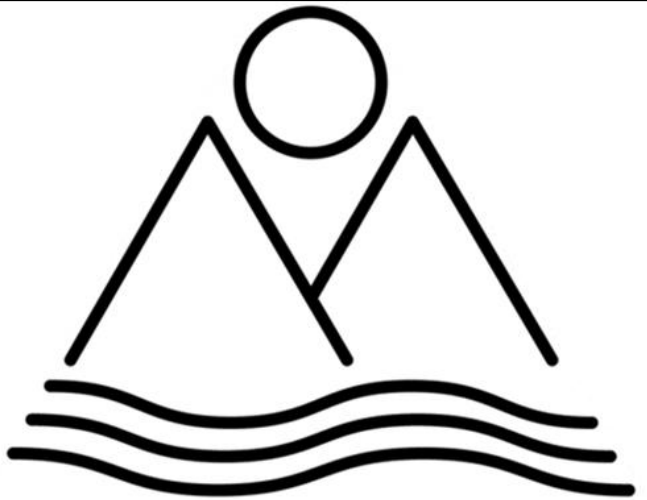
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**Presentation Opportunities for Upcoming CEMS Meetings**

The CEMS Program Committee is currently searching for "interesting, topical and informative" presentations for our meetings in 2025. 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 a 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 Michael Whelan at [mwhelan@anchorqea.com](mailto:mwhelan@anchorqea.com).

**Are you a lawyer, looking for CLEs?**

**CEMS offers a very inexpensive way to earn those needed CLEs.**

**Just RSVP on the luncheon meeting link and attend.**

## **CEMS REGULATORY UPDATE FEDERAL AND STATE ACTIONS IMPACTING COLORADO**

**By Peter D. Jaacks  
Burns, Figa & Will, P.C.  
January 2025**

The Environmental Protection Agency (EPA) released final risk management rules under the Toxic Substances Control Act (TSCA) for [trichloroethylene](#) (TCE) and [perchloroethylene](#) (PCE) on December 9, 2024, and for [carbon tetrachloride](#) (CTC) on December 11, 2024. EPA states that all uses of TCE will be banned over time, with “the vast majority of identified risks eliminated within one year,” and safer alternatives readily available for the majority of uses. The PCE rule will ban manufacture, processing, and distribution in commerce of PCE for all consumer uses and many commercial uses, while allowing some workplace uses to continue only where robust workplace controls can be implemented. The CTC rule will require “robust worker safety programs” while banning some uses.

On December 13, 2024, the EPA [proposed](#) the 2026 version of the National Pollutant Discharge Elimination System (NPDES) Multi-Sector General Permit (MSGP) for stormwater discharges associated with industrial activities. This newest version of EPA’s MSGP would take effect in February 2026, when the current 2021 MSGP expires. The proposed 2026 MSGP would modify a number of considerations in the 2021 MSGP by, among other things, removing the word “temporarily” to indicate EPA’s view that “it is generally best practice to implement SCMs [stormwater control measures] on a more regular basis than just temporarily.” The 2026 MSGP also proposes to revise the provision on water quality-based effluent limitations to add more specific language on what discharges must not contain or result in, such as: observable deposits of floating solids, scum, sheen, or substances; an observable film or sheen upon or discoloration from oil and grease; or foam or substances that produce an observable change in color. EPA is currently soliciting public comment on the proposed 2026 MSGP, with a comment deadline of February 11, 2025.

On January 7, 2025, the U.S. Court of Appeals for the D.C. Circuit, in [Citizens Action Coalition of Indiana v. FERC](#), rejected a National Environmental Protection Act (NEPA) and Natural Gas Act (NGA) challenge to Federal Energy Regulatory Commission’s (FERC’s) approval of a natural gas pipeline in Indiana after an Environmental Impact Statement was issued. Plaintiffs’ central challenge was that NEPA required FERC to analyze non-gas alternatives before approving the pipeline. The D.C. Circuit disagreed. The Court found that NEPA does not require FERC to consider alternatives that are outside of FERC’s jurisdiction and would fail to serve the purpose of the project. The Court also rejected the claim that FERC’s consideration of the greenhouse gas (GHG) emissions from the project and from the downstream power plant was insufficient because FERC failed to make a significance determination, but instead chose to report those emissions in quantitative terms. Citing its recent decision in *Food & Water Watch v. FERC*, the Court plainly concluded “NEPA contains no such mandate.” In its decision, the D.C. Circuit curtailed the scope of NEPA review by renewing the emphasis on the project’s purpose: “*Citizens Action* in effect seeks a judicial directive exhorting FERC to promote general environmental concerns. But such a directive would far exceed our review under the APA as well as FERC’s authority under the NGA and NEPA. Congress charged FERC with the development of natural gas pipelines, not with making local energy decisions or setting national environmental policy.”

### **CEMS Scholarship Update**

One of our 2024 CEMS Scholarship winners, William Daniels – PhD, Applied Statistics, Colorado School of Mines, is the winner of the Fall 2024 Dr. Bhakta Rath and Sushama Rath Research Award. The honor, which recognizes the Colorado School of Mines doctoral graduate whose thesis demonstrates the greatest potential for societal impact, was presented during Fall 2024 Graduate Commencement on December 13, 2024. Read the full article [here](#).

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**From the Board** *(Continued from Page 2)*

Previous CEMS scholarship winners have expressed how our scholarship has encouraged them to seek advanced degrees and affirmed their desire to pursue a career in an environmental field, as well as motivated select winners to continue their CEMS membership in order to contribute to CEMS's outreach efforts.

Statements from past recipients verify the profound success of the scholarship; I have provided some of my favorite statements below:

“Without this gift, I would not have been able to pursue experiences with public interest environmental law groups during school. Those experiences have been extremely enriching and rewarding.”

“I'm happy to say that partly because of research sparked by receiving this scholarship, I've taken the LSAT and have applied to Colorado Law... The importance of the CEMS scholarship is paramount, because it helps students who care about environmental issues to succeed.”

“The CEMS scholarship helped relieve financial worries and enabled me to focus on my work to improve Colorado's water systems. While that relief is unquantifiable, I know it has provided a boost to my graduate experience, abilities, and impact.”

“It is beyond comforting to know that CEMS understands the complexity of the environmental field and supports those that have ambitions to create change.”

To these students, the CEMS scholarship was critical for their continued development into environmental professionals. By adding educated and passionate environmental scientists, engineers and lawyers to the workforce, the return on investment of this scholarship is self-evident. Active membership from the CEMS community, generous donations, and the revenue generated from CEMS events continue to make these opportunities possible. Potential student candidates can find the application instructions [here](#). To get in touch or learn about opportunities to help support CEMS programs such as the annual scholarship, please visit [coems.org](http://coems.org).

*Rachel Blomberg, P.E., is a project manager for the United States Army Corps of Engineers (USACE), Omaha District, Special Projects Branch, EPA Program, where she has supported EPA Region 8 Superfund projects since 2023. Before joining USACE, Rachel worked as a project manager for the Colorado Department of Public Health and Environment, Federal Facilities Remediation & Restoration Program, for six years. Rachel earned a BS from Cornell University and a MS from Colorado School of Mines. Originally from Northern California, she has lived in NY, AK, ME, Denmark and finally Colorado. She spends most of her time enjoying the historic Denver home that she renovated, walking to the parks and local establishments in her neighborhood, and getting away with her bulldog to xc ski, backpack and fish in the mountains.*

# COLORADO ENVIRONMENTAL MANAGEMENT SOCIETY

## 2025 SCHOLARSHIP APPLICATION

The Colorado Environmental Management Society (CEMS) is a non-profit organization created in 1985 to provide a forum for the exchange of information concerning technologies, laws and regulations, and other current environmental and health and safety (EHS) issues. CEMS membership consists of technical and legal professionals from EHS organizations, government agencies, academia, industry and the private sector.

### Mission Statement

*To provide a mechanism for professional enhancement of its members with respect to environmental and health and safety (EHS) management. In addition, CEMS seeks to serve government, industry, environmental organizations and individuals in the development and use of prudent EHS management practices in the State of Colorado. It is the intent of the Society to be the premier non-profit professional EHS management organization in Colorado.*

[www.coems.org](http://www.coems.org)

### A. Eligibility

- Students must be currently enrolled in and attending an undergraduate or graduate program at a Colorado university or college.
- Applicants cannot graduate before the end of the 2025 Fall semester.
- Students must be studying engineering, geology, environmental sciences, law, or another field in which EHS issues are addressed.
- Students must intend to work in the fields listed above.
- Students must complete and return the application as noted below.
- CEMS Officers, CEMS Board of Directors, the CEMS Scholarship Selection Committee, and family members of these individuals are not eligible to receive these scholarships.

### B. General Information

- CEMS plans to award up to three scholarships: One for an undergraduate, one for a graduate (Master's or Doctoral) student, and one for a law student. The amount to be awarded in 2025 is up to \$3,000 per scholarship. Awardees will be notified on or before March 31, 2025 and will be announced on our website after all awardees have been notified.
- In addition to monetary compensation, awardees selected to receive this scholarship:
  - Will have their essays and biographies published in the CEMS monthly newsletter.
  - Will receive one-year free membership to CEMS. Awardees and a colleague may attend each monthly meeting at no charge.
  - Awardees must attend one monthly CEMS meeting in the spring/summer of 2025 to be recognized and honored by our membership. Meetings occur from 11:30-1:00 p.m. the second Tuesday of each month via a GotoMeeting Virtual call or at a location tbd.
  - Awardees are invited to participate in a poster session at the CEMS Fall Conference in fall.

[CEMS Scholarship Application 2025 \(.docx\)](#)

[CEMS Scholarship Application 2025 \(.pdf\)](#)

**Return completed application via email to: [scholarships@coems.org](mailto:scholarships@coems.org)**

**Applications must be received by midnight Mountain Standard Time on Saturday, March 1, 2025**