

# CAPCA

56th Annual Spring Technical Workshop & Forum

Omni Grove Park Inn • Asheville, North Carolina • April 9-11, 2025

## PROGRAM AGENDA



[www.capca-carolinas.org](http://www.capca-carolinas.org)

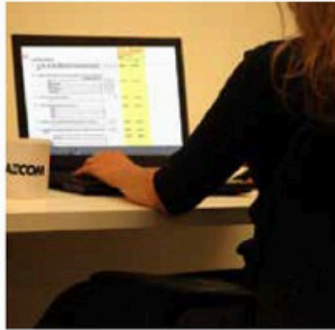




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# Spring 2025 Workshop Conference Agenda

Visit [www.capca-carolinas.org](http://www.capca-carolinas.org)  
for the latest workshop information.

## Wednesday, April 9, 2025 - Morning Technical Sessions

### 8:30AM - 11:30PM - Workshop Track #1: Emission Factors and Tools for Calculating Emissions

(Hoover HJ - Vanderbilt Wing - 8th Floor)

(Session Chair: Amy Marshall, CAPCA Vice President)

*Amy Marshall, ALL4*

*Steven Moore, ALL4*

The presenters will discuss the hierarchy of emissions estimation methods, how to select and use air emission factors, and the available EPA tools for calculating air emissions from stationary sources. The emission factor selection discussion will include AP-42, WebFIRE, greenhouse gases, site-specific data, and an overview of industry-specific options. The calculation spreadsheets on the NC DAQ website will be discussed. EPA tools to be discussed include the recently updated TANKS program and their WATER9 tool and the simple GHG calculator.

### 8:30AM - 11:30PM - Workshop Track #2: The Intersection of Air Quality and Safety – Safe Work Requirements for the Environmental Professional

(Roosevelt KL - Vanderbilt Wing - 8th Floor)

(Session Chair: Mark Hawes, CAPCA Past President)

*Dr. Rick Kilpatrick, Shurtape*

*James Topp, Provenance Consulting*

Environmental Professionals must be prepared to understand regulatory requirements beyond environmental rules, including OSHA requirements and safe work practices. This session will focus upon two key OSHA and Safe Work Practice concepts the Environmental Professional is likely to encounter.

- Process Safety Management and RMP share many common requirements. Process Hazard Analysis (PHA) and Mechanical Integrity are the focus for this session. Best tips and practices for effective PHAs and Mechanical Integrity processes as well as common pitfalls will be reviewed by our speaker.
- Walking and Working Surfaces present unique challenges for the Environmental Professional. An Environmental Professional may often find themselves navigating difficult, and remote, areas of a facility, and must be prepared to do so in a safe manner. The speaker will provide an overview of Safe Work requirements for OSHA's Walking -Working Surface standard (29 CFR 1910 Subpart D) along with best practices for several key focus areas on which the Environmental Professional must be knowledgeable.

### 10:00AM – 4:30PM – Registration (Coolidge - Vanderbilt Wing - 8th Floor)

### 11:30AM – 1:30PM – Young Professionals Committee Lunch Meeting

(Eisenhower FG - Vanderbilt Wing - 8th Floor)

This luncheon affords the opportunity for new and established young professionals and CAPCA attendees to network and be introduced to the Spring Conference and the role of the Young Professionals committee. (RSVP Required)



## Wednesday, April 9, 2025 - Afternoon Technical Sessions

**1:30PM - 1:40PM - Conference Welcome & Introductory Remark (Grand Ballroom A - Vanderbilt Wing - 8th Floor)**

Amy Marshall, CAPCA Vice President and Chair of Program Committee

**1:40PM - 2:20PM - Control Device Selection for a Capital Project**

(Session Chairs: Rob VandenMeiracker, CAPCA Treasurer and Margaret Sembos, CAPCA Secretary)

*Leo Tramm, TRC*

*Nina Zerman, Dürr*

In the afternoon session, our speakers will take a capital project from planning to operation and discuss the relevant air quality related tasks, including best practices and what to watch for. The two example projects will be a boiler and a coating line.

**2:20PM - 3:00PM - Air Permitting for a Capital Project**

(Session Chairs: Rob VandenMeiracker, CAPCA Treasurer and Margaret Sembos, CAPCA Secretary)

*Phil Cobbs, Builders FirstSource*

*Rick Kilpatrick, Shurtape*

**3:00PM - 3:30PM - Break (Exhibit Hall (Grand Ballroom B/C) - Vanderbilt Wing - 8th Floor)**

**3:30PM - 4:15PM - Commissioning a Capital Project**

(Session Chairs: Rob VandenMeiracker, CAPCA Treasurer and Margaret Sembos, CAPCA Secretary)

*Lawrence Otwell, Alliance*

**4:15PM - 5:00PM - Maintaining Compliance with Air Permit Requirements after your Capital Project**

(Session Chairs: Rob VandenMeiracker, CAPCA Treasurer and Margaret Sembos, CAPCA Secretary)

*Nikki McDill, Mercedes Benz*

*Tony Jabon, Trinity*

*Adam Krieg, Domtar*

**5:15PM - 6:15PM - Young Professionals Committee Cornhole Hour (Mountain View Terrace)**

CAPCA's Young Professionals Committee is hosting an hour of relaxation and refreshment provided by **Tora Consulting**. Before heading to the Wednesday evening symposium/dinner, visit the Mountain View Terrace for a round of cornhole, a cold drink, live music from The Passing Scene brought to you by **TRC** and a bit of conversation. Meet someone new or challenge a colleague to a friendly competition. This event is open to all CAPCA members.

**6:30PM - 8:30PM - Symposium/Dinner in the Heritage Ballroom (Sammons Wing - Lobby Level)**



# Thursday, April 10, 2025 - Morning Technical Sessions

**7:30AM-8:30AM – Breakfast in Exhibit Hall (Grand Ballroom B/C - Vanderbilt Wing - 8th Floor)**

**8:00AM-4:00PM – Registration (Coolidge - Vanderbilt Wing - 8th Floor)**

**8:30AM - 8:40AM - Welcome & Introductory Remarks (Grand Ballroom A - Vanderbilt Wing - 8th Floor)**  
**Session Chair: Tim Agner, CAPCA President**

**8:40AM - 8:45AM - Intro to the Whova App and Call for Participation**  
**Session Chair: Melvin Stroble**

**8:45AM - 9:30AM - EPA Division Updates:**  
**(Session Chair: Jessie King, CAPCA Director)**

*Amy Marshall, ALL4*

*Jessie King, Williams Mullen*

Our first technical session of the morning will focus on what environmental policy, regulatory, and de-regulatory activity we can expect from the new administration and what's happening in Washington DC.

**9:30AM - 10:15AM - NC and SC Updates:**

*Rhonda Banks Thompson, P.E., Chief Bureau of Air Quality SC Department of Health and Environmental Control, CAPCA Immediate Past President*

*Mike Abraczinskas, Director Division of Air Quality NC Department of Environmental Quality, CAPCA Past President*

These presentations will provide an update on air quality activities in the South Carolina Department of Environmental Services (DES) and the North Carolina Department of Environmental Quality (DEQ)

**10:15AM - 10:45AM - Break in Exhibit Hall (Grand Ballroom B/C - Vanderbilt Wing - 8th Floor)**

**10:45AM - 11:15AM -Morning Speakers Q&A Session**  
**(Session Chair: Melvin Stroble)**

*Morning Speakers*

Send in your questions ahead of this session at [capcaquestions@gmail.com](mailto:capcaquestions@gmail.com) Moderated by Melvin Stroble.

**11:15AM - 12:00PM - NC and SC Chamber of Commerce**  
**(Session Chair: Melvin Stroble)**

*Will Frierson, Executive VP and Chief Government Affairs Officer, SC Chamber of Commerce*

*Alyssa Morrissey, Director of Regulatory and Legislative Affairs, NC Chamber of Commerce*

Speakers from the NC and SC Chamber of Commerce will discuss their environmental focus areas and state and federal environmental regulatory and policy topics relevant to regulated industry in the Carolinas.

**12:00PM - 1:00 PM - Lunch in Blue Ridge Dining Room (Vanderbilt Wing - Lobby Level)**

**1:00 - 1:30 PM - Program Committee Meeting**  
**(Session Chair: Amy Marshall, CAPCA Vice President)**

All attendees are invited to share ideas and suggestions for future CAPCA programs. The meeting will be held in the back of the main meeting room.

**1:00-1:30 PM - Young Professionals Meeting**  
**(Session Chairs: Claire Corta)**

Young Professionals are invited to share ideas and suggestions for future CAPCA programs. The meeting will be held in the front of the main meeting room.

## Thursday, April 10, 2025 - Afternoon Technical Sessions

**1:30PM - 3:00PM - Environmental challenges associated with Hurricane Helene recovery in Western NC (Session Chair: Taylor Hartsfield, CAPCA Director)**

*Jason Watkins, Solid Waste Section Chief for NC Division of Waste Management*

*Ashley Featherstone, Director for Asheville Buncombe Air Quality Agency*

*Julie Grzyb, NC Division of Water Resources*

In this session, we will hear perspectives from NC DEQ's Division of Water Resources and Division of Waste Management and from the Asheville Buncombe Air Quality Agency on the environmental (air, water, and waste) challenges associated with the devastating impacts of Hurricane Helene in Western NC. We will hear about the work that was done before, during, and after the storm event, with perspectives from staff who worked out of the state's Emergency Operations Center (EOC) and Asheville's EOC. Recovery efforts are ongoing and bring additional challenges to rebuilding infrastructure and managing disaster debris. Other topics include impacts to water and wastewater treatment operations, public water supply systems, establishing temporary disaster debris sites, landfill capacity issues, air curtain incinerator siting and operations, emergency air monitoring, and more.

**3:00PM - 3:30PM - Break in Exhibit Hall (Grand Ballroom B/C - Vanderbilt Wing - 8th Floor)**

**3:30PM - 5:00PM - Climate/Energy/Sustainability Session**

**(Session Chair: Claire Corta)**

*Daryl Whitt, ALL4*

*T.R. Andrade, Dominion Energy*

*Dr. Arunachalam Lakshminarayanan, Rolls Royce*

### **Sustainability Hot Topics – Where are We Headed Now?**

With the change in Administration, there have been a lot of changes in sustainability initiatives and programs, but sustainability is not going away. This presentation will discuss the priority issues in sustainability that we are seeing in the market today, including the impacts of the California Climate Accountability regulations and the European Corporate Sustainability Reporting Directive (CSRD) and Carbon Border Adjustment Mechanism (CBAM) regulations on companies in the Carolinas. This will also include a high-level discussion of the renewable energy impacts of President Trump's Energy Emergency declaration.

### **Coastal Virginia Offshore Wind Project: Sustainable Energy Solutions Coupled with Complex Air Permitting Challenges**

Dominion Energy is an industry leader providing reliable, affordable and increasing clean energy to power our customers. The Coastal Virginia Offshore Wind (CVOW) project, located over 27 miles off the coast of Virginia, is the largest offshore wind farm in the U.S. currently constructing 176 wind turbines with a total capacity of 2.6 gigawatt enough to power up to 660,000+ homes. The implementation of this project diversifies our customer's energy supply, which is essential for energy security, reliability and lowering fuel costs, while also avoiding carbon dioxide emission equivalent of removing more than 1 million cars off the road each year. However, constructing the largest offshore wind farm in the U.S. is not without its challenges especially when it comes to air permitting. We will cover the challenges of navigating the Outer Continental Shelf air regulations and applying the complex PSD permitting program to construction activities, marine vessels, offshore generators, maintenance, and other activities to provide a sustainable energy source.

### **A Journey to a Sustainable and Resilient Energy Transition**

A well-designed microgrid that seamlessly incorporates traditional power generation technologies while actively transitioning towards cleaner power generation technologies can help accelerate clean energy transition while still maintaining robustness and reliability. Microgrids, energy systems that can operate off-grid or grid-parallel, play a key role in today's energy landscape. A well designed microgrid can help marry the benefits old and new technologies and promote a steady and viable path to clean energy adoption. In this session, we explore how one can marry traditional power generation methods with newer technologies to achieve clean, sustainable, and reliable power.

**5:30PM - 7:30PM - Symposium in Exhibit Hall (Grand Ballroom B/C -- Vanderbilt Wing - 8th Floor)**  
**Hooray for Hollywood**



# Friday April 11, 2025 - Morning Technical Sessions

**7:30AM - 9:00AM - Breakfast in Exhibit Hall (Grand Ballroom B/C)**

**9:00AM - 9:05AM - Welcome and Announcements**

Tim Agner, CAPCA President

**9:05AM - 10:35AM - PFAS Sampling Data: Who, Where, and What Next?**

(Session Chair: Pierce Werner, CAPCA Director)

*NC DEQ: Adam Ulishney (DWM – Private well, landfill, and biosolid sampling)*

*SC DES: Matthew Baumann (DWR – lead on ambient PFAS project)*

*Heartland Water Technology: Jim Henderson [tentatively accepted]*

Representatives from the South Carolina and North Carolina Agencies will provide an overview of the PFAS data available in each state as well as the ongoing efforts to continue to identify PFAS presence and potential sources. The session will conclude with a brief presentation on available control, removal, and/or destruction technologies for PFAS that are being considered or implemented for projects in the States.

**10:35AM - 11:45AM - PFAS Legal Perspective**

(Session Chair: Mallory Sparks, CAPCA Director)

*Staci Sorgee, CEF, Executive Vice President and General Manager, Palmetto Plating Company, Inc.*

*Janie Johns, Project Scientist, Hart & Hickman, PC*

The states are asking for data, EPA's asking for data, how do you figure out if you have it? What are you obligated to investigate and report and how?

EPA is reviewing its effluent guidelines for several point source categories, including metal finishing and electroplating. As part of this review, EPA has sent extensive questionnaires to these categorical dischargers to understand the PFAS in these waste streams. Staci Sorgee has completed an EPA questionnaire and will speak to the types of questions asked, the process, and time required to respond.

Janie Johns will update us on the reporting requirements for PFAS under TSCA Section 8(a)(7) and TRI, particularly focusing on data collection and documentation. She also will highlight key differences in the PFAS reporting requirements from reporting other chemicals under TSCA and TRI.

**11:45 AM - CONFERENCE WRAP UP, GIFT CARD DRAWINGS, ADJOURN**

**NOTICE: AN ELECTRONIC CERTIFICATE WILL BE E-MAILED TO CAPCA ATTENDEES.**

## CAPCA PRESENTATIONS ONLINE

To access presentations after the meeting on the website, use:  
[www.capca-carolinas.org](http://www.capca-carolinas.org) PASSWORD: Coming Soon



2025 CAPCA Spring Conference

## Join us on our official event app

We're using *Whova* as our official event app to facilitate networking, host the event agenda, distribute documents, and send announcements!



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# Spring 2025

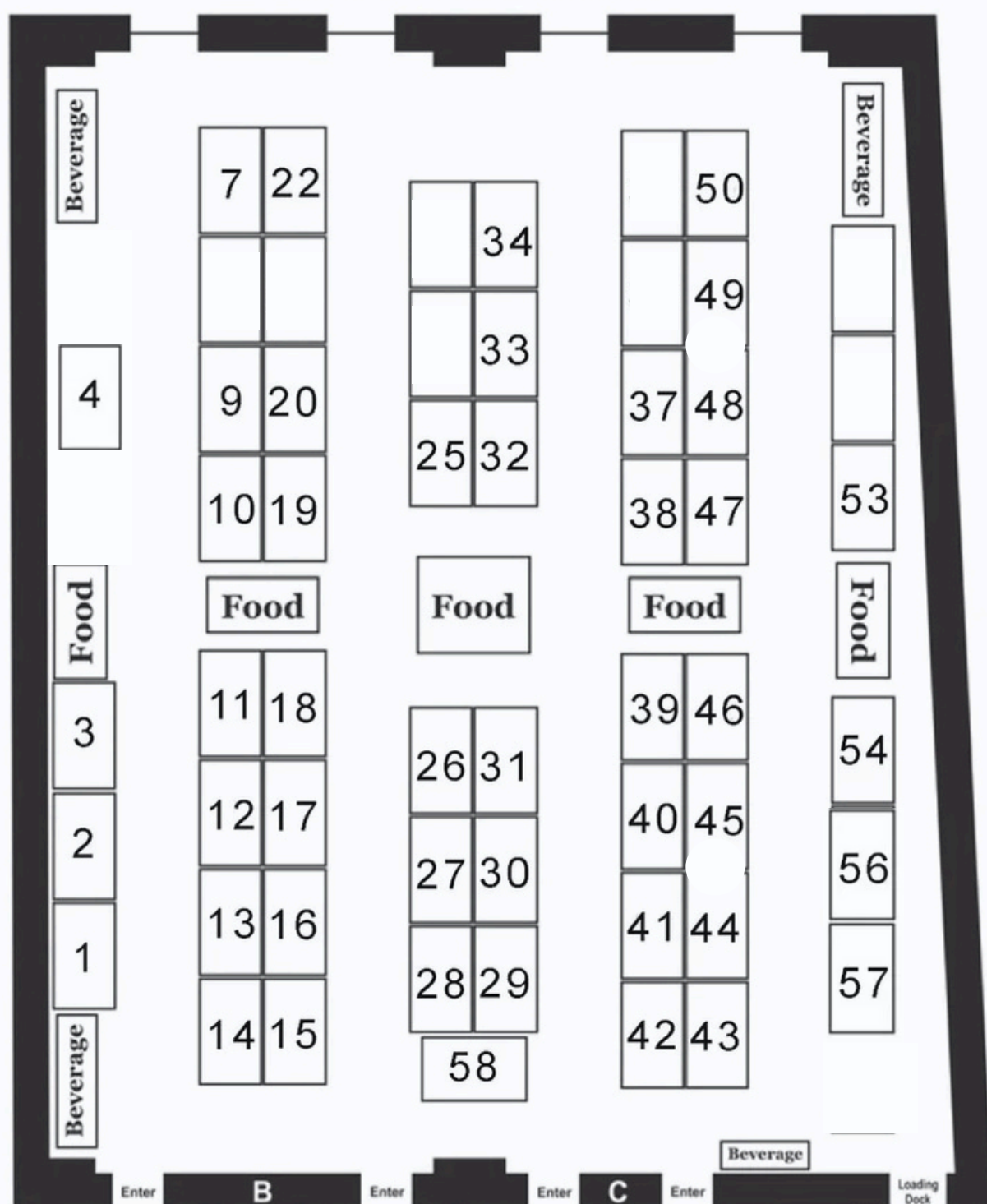
## CAPCA Exhibitors

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|--|---|
| 50 - A&D Environmental                             | 4 - Kleinfelder                             |
| 14 - AECOM   | 16 - LDX Solutions                          |
| 53 - Aegis Environmental                           | 47 - Leaf Environmental & Engineering, P.C. |
| 37 - Air Control Techniques                        | 38 - MC Tech Group                          |
| 30 - Air Hygiene International                     | 44 & 45 - NC DEQ                            |
| 15 - Air Techniques Inc                            | 32 - NESTEC, Inc.                           |
| 27 - Albarrie Canada Ltd.                          | 18 - Nordfab Ducting                        |
| 17 - ALL4  | 7 - Republic Services                       |
| 13 - Alliance Technical Group, LLC.                | 48 & 49 - SC DES                            |
| 12 - B3 Systems, Inc.                              | 39 - SR&R Environmental, Inc.               |
| 43 - Blue Sky Modeling                             | 29 - STI CEMS                               |
| 28 - Burns & McDonnell                             | 42 - Synterra Corp                          |
| 40 - C&C Boiler Sales & Service, Inc.              | 57 - Teledyne Air Quality                   |
| 9 - CEMTEK   | 56 - Terra Nova Solutions                   |
| 2 - Civil and Environmental Consultants            | 31 - Terracon Consultants                   |
| 41 - Eastern Technical Associates                  | 19 - Tora Consulting, LLC                   |
| 46 - EHSTracks, LLC                                | 25 - TRC Environmental                      |
| 54 - Endress+Hauser                                | 26 - Trinity Consultants                    |
| 11 - Enthalpy Analytical                           | 20 - VIM Technologies Inc.                  |
| 33 - ERM   | 22 - Virtual Technology LCC                 |
| 58 - GEL Engineering, LLC                          |   |
| 1 - GCI (Grace Consulting, Inc.)                   |   |
| 34 - HEPACO, LLC                                   |   |
| 3 - IVI Inc.                                       |   |
| 10 - Jackson Hale Environmental Technoloiges, Inc. |   |

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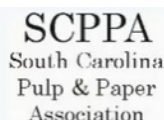
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Karen Crawford, who is proud to be a long-term CAPCA member and Past President, practices in the areas of environmental law and litigation, employee safety, product safety, and tort litigation. An engineer by training and experience, she earned recognition as a Qualified Environmental Professional in 1997 from the Institute of Professional Environmental Practice. She is admitted to practice law in Pennsylvania, Washington, D.C., and South Carolina,

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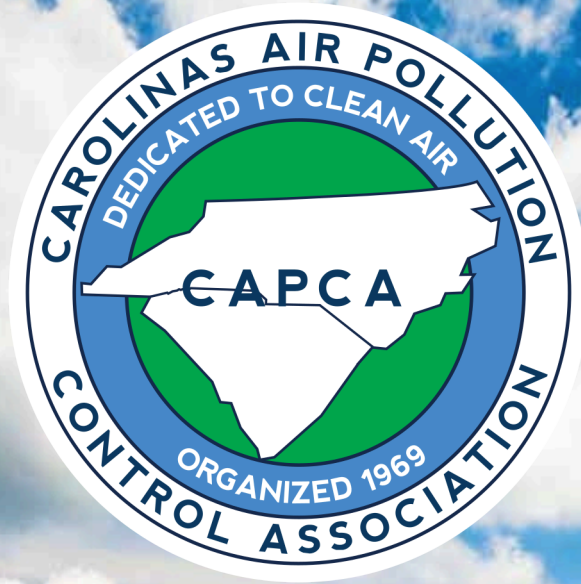


# AIR ACRONYMS

AAPCA	Association of Air Pollution Control Agencies
ACM	Asbestos-Containing Material
ANSI	American National Standards Institute
AQCR	Air Quality Control Region
ASTM	American Society for Testing & Materials
BACT	Best Available Control Technology
BART	Best Available Retrofit Technology
BIF	Boiler and Industrial Furnace
BMP	Best Management Practice
BTU	British Thermal Units
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAM	Compliance Assurance Monitoring
CASAC	Clean Air Scientific Advisory Committee (EPA)
CBI	Confidential Business Information
CAIR	Clean Air Interstate Rule
CAS	Chemical Abstract Service
CDX	Central Data Exchange
CEM	Continuous Emission Monitoring
CERCLA	Comprehensive Environmental Response Compensation Liability Act
CFC	Chlorofluorocarbon - an ozone-depleting refrigerant
CFR	Code of Federal Regulations
COM	Continuous Opacity Monitoring
CPMS	Continuous Parametric Monitoring System
CSAPR	Cross-State Air Pollution Rule
DEQ	Department of Environmental Quality
DHEC	Department of Health & Environmental Control
DRE	Destruction and Removal Efficiency
ECOS	Environmental Council of the States
EIS	Environmental Impact Statement
EMS	Environmental Management System
ESA	Environmental Site Assessment
EPCRA	Emergency Planning and Community Right-to-Know Act
ESP	Electrostatic Precipitator
EU	Emission Unit
FIFRA	Federal Insecticide, Fungicide and Rodenticide Act
FIP	Federal Implementation Plan
FOIA	Freedom of Information Act
GACT	Generally Achievable Control Technology
GHG	Greenhouse Gas
GWP	Global Warming Potential
HAP	Hazardous Air Pollutant
HCFC	Hydrochlorofluorocarbon
ISO	International Organization for Standardization
LAER	Lowest Achievable Emission Rate
LCA	Life Cycle Analysis/ Assessment
LEPC	Local Emergency Planning Committee
LOEL	Lowest Observed Effect Level
MACT	Maximum Achievable Control Technology
MCL	Maximum Concentration Limit/Level
MATS	Mercury and Air Toxics Standards
NAA	Non-Attainment Area
NAAQS	National Ambient Air Quality Standards
NACAA	National Association of Clean Air Agencies
NEPA	National Environmental Policy Act
NEI	National Emissions Inventory

NESHAP	National Emission Standard for Hazardous Air Pollutants
NIOSH	National Institute of Occupational Safety and Health
NPL	National Priorities List (Superfund sites)
NRC	National Response Center
NFPA	National Fire Protection Act
NIH	National Institute for Health
NSPS	New Source Performance Standards
NSR	New Source Review
OAR	Office of Air and Radiation (EPA)
OAQPS	Office of Air Quality Planning and Standards (EPA)
ODS	Ozone Depleting Substances
OMB	Office of Management and Budget
OTR	Ozone Transport Region
PBT	Persistent, Bioaccumulative, Toxic
PCB	Polychlorinated biphenyl
PEL	Permissible Exposure Limit
PEMS	Predictive Emissions Monitoring System
PID	Photo Ionization Detector
PM10	Particulate Matter < 10 micrometers
PM2.5	Particulate Matter < 2.5 micrometers
POM	Polycyclic Organic Matter
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
QA/QC	Quality Assurance/Quality Control
RACM	Reasonably Available Control Measure
RACT	Reasonably Available Control Technique
RATA	Relative Accuracy Test Audit
RICE	Reciprocating Internal Combustion Engine
RQ	Reportable Quantity
RMP	Risk Management Plan
RSO	Radiation Safety Officer
RTO	Regenerative Thermal Oxidizer
RCO	Regenerative Catalytic Oxidizer
SARA	Superfund Amendment Reauthorization Act
SCFM	Standard Cubic Feet per Minute
SCR	Selective Catalytic Reduction
SER	Significant Emission Rate
SERC	State Emergency Response Commission
SIC	Standard Industrial Classification
SIL	Significant Impact Level
SIP	State Implementation Plan
SNCR	Selective Noncatalytic Reduction
TAP	Toxic Air Pollutant
TEQ	Toxicity Equivalence Quotient
TPQ	Threshold Planning Quantity
TQ	Threshold Quantity
TRI	Toxic Release Inventory
TRS	Total Reduced Sulfur
TSCA	Toxic Substances Control Act
VISTAS	Visibility Improvement State & Tribal Association of the Southeast
VE	Visible Emissions
VOC	Volatile Organic Compounds
VMT	Vehicle Mile Traveled





**SAVE THE DATE**  
for the  
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Workshop & Forum  
**October 22-24, 2025**  
**Myrtle Beach, SC**



# **FUTURE CONFERENCE DATES**

## **SPRING**

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**April 15-17, 2026**

**April 7-9, 2027**

## **FALL**

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**October 22-24, 2025**

**October 21-23, 2026**

**October 20-22, 2027**