

# CAPCA

55TH ANNUAL FALL TECHNICAL WORKSHOP & FORUM

## PROGRAM AGENDA

The Hilton • Myrtle Beach, South Carolina • October 23-25, 2024



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*Engineering News Record*

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A large wind turbine is the central focus, its three blades extending across the frame. The background is a soft-focus landscape of rolling green hills and a few distant buildings, all bathed in the warm, golden light of a setting or rising sun. The sky is a pale, hazy yellow. The overall mood is serene and hopeful, emphasizing the 'green' aspect of the message.

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# Fall 2024 Workshop

# Conference Agenda

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

## Wednesday, October 23, 2024 - Morning Technical Sessions

**8:30AM - 11:30PM - Air Pollution Control Options (West Ballroom - Hilton 2nd Floor)**

**(Pre-Registration and Additional \$150 Fee Required)**

**(Session Chair: Margaret Sembos, CAPCA Board Member)**

***Tom Wassel, PE, Air Techniques***

Industries produce many by-products in the manufacturing of their products. These by-products may include acid gases, carbon monoxide, HAPS, NOx, particulates and other compounds that are considered pollutants. To reduce or eliminate the concentrations of these compounds to acceptable levels there are many options to prevent their formation, collect them for disposal, or create reactions to destroy the pollutants. This session is an opportunity to discuss various options that are commercially available to address these concerns. The subjects that are available for discussion are: Burners, Thermal Oxidation, Wet Scrubbers, Dry Scrubbers, Cyclones, Baghouses, SCR, SNCR, Wet and Dry ESPs, and Carbon Beds. (Preregistration and separate registration fee required)

**10:00AM - 4:30PM - Registration (Atlantic View II - Hilton - 2nd Floor)**

**11:30AM - 1:30PM - Young Professionals Committee Lunch Meeting - RSVP Required**

**(East Ballroom - Hilton 2nd Floor)**

**(Session Chairs: Sanjam Singh and Pierce Werner, CAPCA YP Committee)**

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. The luncheon will also feature a brief panel discussion on the topic of career pathways and trajectories from practitioners with varying perspectives across the air pollution control community.

## Wednesday, October 23, 2024 - Afternoon Technical Sessions

**1:30PM - 1:40PM - Conference Welcome & Introductory Remark (Palisades ABC - Building Adjacent to Hilton)**

**Tim Agner, CAPCA Vice President and Chair of Program Committee**

**1:40PM - 2:20PM - Common Compliance Pitfalls**

**(Session Chair: Mike Abraczinskas, CAPCA Immediate Past President)**

***Robert Bright, Environmental Engineer II, North Carolina Division of Air Quality, Washington Regional Office***

***Michael Verzwylt, Manager, Source Evaluation Section, SC Department of Environmental Services***

Are you new to your role as an environmental manager at your facility? Have you gained additional responsibilities, including ensuring compliance with your air quality permit? Hear from state regulators in North and South Carolina about common compliance pitfalls, how to avoid them, and other tips to avoid any dreaded violations.

**2:20PM - 3:00PM - Common Compliance Pitfalls**

**(Session Chair: Tim Agner, CAPCA Vice President)**

***Steven Moore, Senior Managing Consultant, ALL4***

***John Bird, Environmental Director, Roseburg Forest Products***

This session will consist of two short compliance presentations and will address compliance tools. The speakers will address both company-specific compliance and reporting tools and EPA electronic reporting tools. Examples of company specific compliance tools will be shown, which might give you some good ideas to take back to your facility. Tips and tricks for navigating EPA tools like the Compliance and Emissions Data Reporting Interface (CEDRI) will also be provided.

**3:00PM - 3:30PM - Break**



## Wednesday, October 23, 2024 - Afternoon Technical Sessions

### 3:30PM - 4:15PM - How to Avoid Errors in Your Air Quality Permit

(Session Chair: Robert VandenMeiracker, CAPCA Secretary)

*Brittany Robinson, Air Lead/Environmental Program Manager, International Paper*  
*Stephen Stroud, Director, Environmental and Regulatory Operations West Fraser*

The session will provide guidance on how to read and implement your permit with helpful tools to track and demonstrate compliance on an ongoing basis. The session will also present a permitting project illustrating strategies that encompass a comprehensive approach to permitting and how all parties [vendor(s), consultant(s), site/operational staff, and regulatory agencies] involvement is necessary to avoid errors and successfully drive compliance with project completion

### 4:15PM - 5:00PM - Environmental Auditing; Tools and Tips

(Session Chair: Beth Partlow, CAPCA Past President)

*John P. Boyd, Attorney, Haynsworth Sinkler Boyd, P.A*

This presentation will cover best practices when conducting an audit, state and federal audit policies, and voluntary disclosures of potential environmental violations.

### 5:15PM - 6:15PM - Young Professionals Committee Cornhole Hour (Hilton North Lawn - Adjacent to Pool)

CAPCA's Young Professionals Committee is hosting an hour of relaxation and refreshment. Before heading to the Wednesday evening symposium/dinner, join the young professionals for a round of cornhole, a cold drink, and a bit of conversation. Meet someone new or challenge a colleague to a friendly competition. This event is open to all CAPCA members. **Thank you Tora Consulting for being a cornhole contributor.**

### 6:15PM - 8:15PM - Symposium by the Pool

## Thursday, October 24, 2024 - Morning Technical Sessions

7:30AM-8:30AM – Breakfast in Exhibit Hall - Palisades DEFGHI (Building Adjacent to Hilton)

8:00AM-4:00PM – Registration (Atlantic View II - Hilton - 2nd Floor)

8:30AM - 8:40AM - Welcome & Introductory Remarks (Palisades ABC - Building Adjacent to Hilton)

Session Chair: Rhonda Thompson, CAPCA President

### 8:40AM - 9:15AM - EPA Division Updates:

(Session Chair: Rhonda Thompson, CAPCA President)

*Larry Lamberth, Director, Enforcement and Compliance Assurance Division, US EPA Region 4*  
*Denisse Diaz, Director, Air and Radiation Division (ARD), US EPA Region 4*

This presentation will provide an update on activities and priorities for EPA on air quality matters and how these affect sources in North and South Carolina.

### 9:15AM - 10:15AM - NC and SC Updates:

(Session Chair: Melvin Stroble)

*Rhonda Banks Thompson, P.E., Chief, Bureau of Air Quality, SC Department of Environmental Services*  
*Mike Abraczinskas, Director, Division of Air Quality NC Department of Environmental Quality*

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



**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 Moderated by Melvin Stroble.

**11:15AM - 12:00PM - A North and South Carolina Executive Update**  
(Session Chair: Rhonda Thompson, CAPCA President)

***Bill Lane, Deputy Secretary for Policy and Legal Affairs/ General Counsel, N.C. Department of Environmental Quality***

***Myra Reece, MPH, Interim Director, SC DES***

Join this Session to hear state executive leaders share agency updates, priorities, and the key role and activities before the Environmental Council of States (ECOS).

**12:00PM - 1:00 PM - Lunch (Hilton Ballroom - 2nd Floor)**

**1:00 - 1:30 PM - Program Committee Meeting**  
(Session Chair: Tim Agner, 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: Sanjam Singh & Pierce Werner)

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.

**1:30PM - 3:00PM - PM 2.5**  
(Session Chair: Amy Marshall, CAPCA Treasurer)

***Ilya Alimov, TRC***

***Greg Stella, Managing Partner / Sr. Scientist, Alpine Geophysics***

The lower PM2.5 National Ambient Air Quality Standard (NAAQS) is final and industry is living under it while the agencies are beginning to implement it. This session will cover both measurement and monitoring data. The proper measurement of PM2.5 from stationary sources is technically challenging and critically important given the lower NAAQS. The first speaker will review the technical challenges associated with measuring PM2.5 emissions by examining the different methods for measuring PM2.5. The examination will include advantages, disadvantages, and known and potential limitations of the various measurement options. Concepts of primary and secondary Particulate Matter emissions will also be discussed. Our second speaker will discuss sources of PM2.5 emissions, review available PM2.5 emissions/monitor/modeling data, discuss PM NAAQS timelines, including nonattainment designation, the importance of exceptional event exclusions, and provide observations from his large-scale photochemical modeling runs relative to implementation of the final NAAQS, for areas projected to be in nonattainment or near levels of nonattainment with the 9.0 µg/m3 annual standard.

**3:00PM - 3:30PM - Break in Exhibit Hall**

**3:30PM - 5:00PM - Celebrating 55 years of CAPCA**  
(Session Chair: Mark Hawes, CAPCA Past President)

***Dale Overcash, CAPCA Past President, Senior Engineer, Trinity Consultants***

CAPCA 55th Anniversary: CAPCA History – Changes Through the Years This special anniversary session will delve into the historical narrative of air quality in the US, while commemorating CAPCA's 55-year legacy of growth and progress. The discussion will cover key events, regulatory advancements, and agency developments that have significantly influenced CAPCA's evolution and the broader air quality landscape.

**PE Ethics**

***David Evans, Executive Director, NC Board of Examiners for Engineers and Surveyors***

The presentation will touch on the regulation of the professions, Enforcement matters, and the Rules of Professional Conduct. The program will also include an engineering case study. At the conclusion of the presentation participants should have an increased awareness of ethical matters as well as a greater familiarity with the Rules of Professional Conduct. A certificate of attendance will be provided to those present who need to meet their PE continuing education ethics requirement.

**5:30PM - 7:30PM - Symposium in Exhibit Hall: On the Water in Margaritaville (Exhibit Hall - Palisades DEFGHI)**

***Thank you Kilpatrick Townsend & Stockton for being an evening contributor.***



# Friday, October 25, 2024 - Morning Technical Sessions

**7:30AM - 9:00AM - Breakfast in Exhibit Hall - Palisades DEFGHI**

**9:00AM - 9:05AM - Welcome and Announcements - Palisades ABC**  
**Rhonda Thompson, CAPCA President**

**9:05AM - 10:35AM - PFAS**

**(Session Chair: Jessica King, CAPCA Past President)**

*Michael S. Traynham, Special Counsel, Maynard Nexsen*

*Zach Sheppard, ELM Site Solutions, introducing Brad Granley, Leachate Management Specialists*

*Mark Heaney, Senior Principal, Geosyntec Consultants, Inc.*

This session will cover some updates in the world of the per and polyfluoroalkyl substances. Specifically, the PFAS panel will discuss destruction and removal technologies related to PFAS, what EPA is currently doing to investigate the sources of PFAS in the environment, and how it is approaching enforcement of releases of PFAS in the environment. Discussions will include PFAS in leachate, current requirements under the Toxics Substances Control Act of 1976 (TSCA), the listing of certain PFAS chemicals as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and EPA enforcement of releases of PFAS under Superfund.

**10:35AM - 11:45AM - Legal Update & Chevron's Dead! Now What?**

**(Session Chair: Mallory Sparks, CAPCA Board Member)**

*Peter McGrath, Member, Moore & Van Allen, PLLC*

*Charlie Carter, Partner, Earth & Water Law*

## Legal Update

You may have heard; the courts have been quite active on various environmental fronts in the last year. Peter McGrath will update us on key environmental cases in federal and state courts that impact air quality.

## Chevron's Dead! Now What?

In June, the United States Supreme Court issued its decision in *Loper Bright Enterprises v. Raimondo*, officially overruling the 1984 decision in *Chevron U.S.A., Inc. v. Natural Resources Defense Council, Inc.* establishing Chevron deference for administrative agency action. Charlie Carter, former EPA Attorney who tried Chevron at the Supreme Court, will provide an insider's perspective on the background of the Chevron decision, what the Supreme Court's decision in *Loper Bright* says and what it might mean for the future -particularly for the regulated community.

**11:45 AM - Annual Membership Meeting**

**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: Will be Shared at the Meeting**

# **Fall 2024**

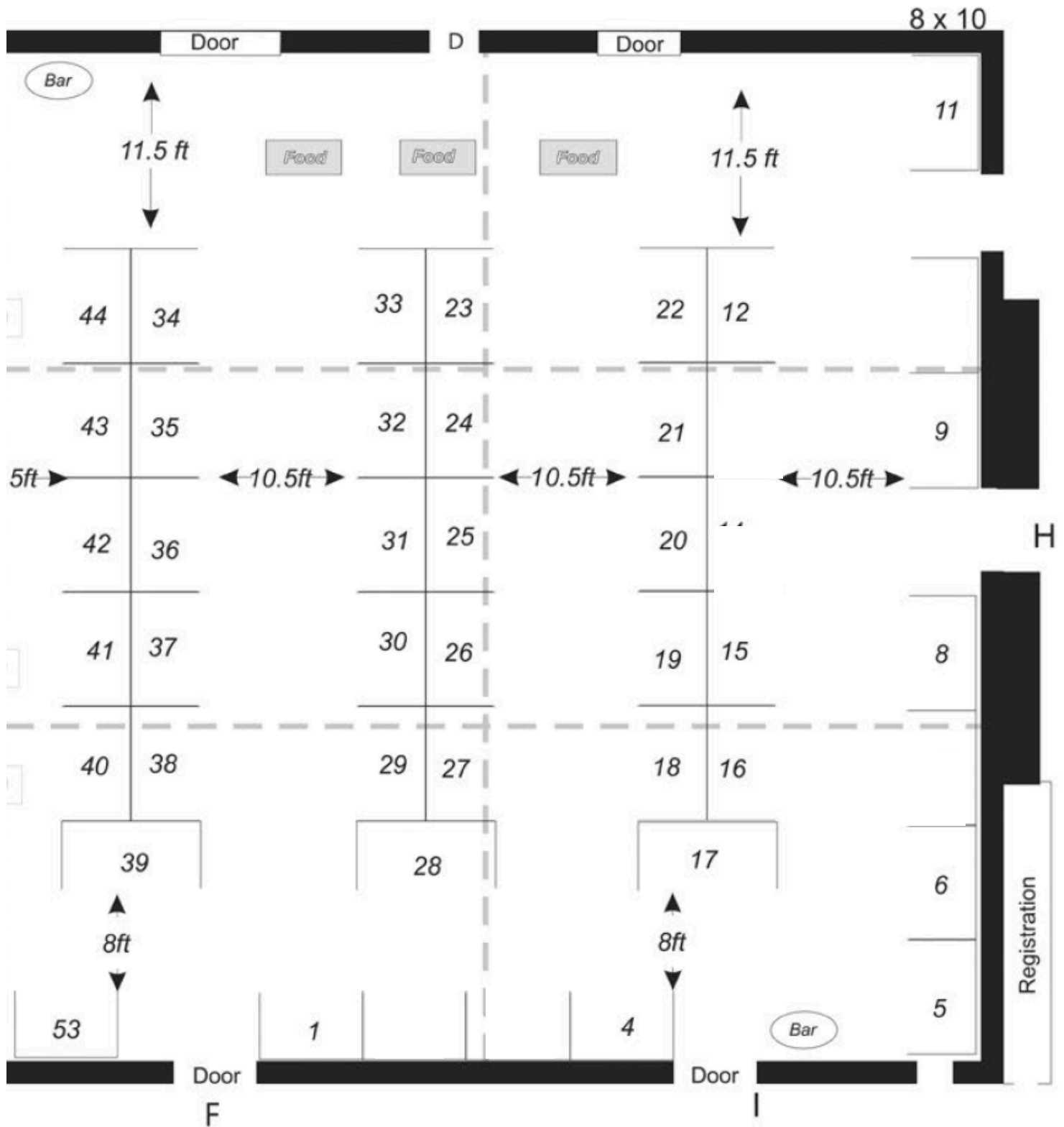
## **CAPCA Exhibitors**

- |  |  |
|--|--|
| <b>39 - AECOM</b>                        | <b>44 - Jackson Hale</b>                 |
| <b>41 - Air Control Techniques</b>       | <b>Environmental Technologies,</b>       |
| <b>29 - Air Techniques</b>               | <b>Inc.</b>                              |
| <b>36 - Albarrie Canada Ltd.</b>         | <b>37 - Leaf Environmental &amp;</b>     |
| <b>16 - ALL4</b>                         | <b>Engineering, PC</b>                   |
| <b>26 - Alliance</b>                     | <b>21 - M&amp;C Tech Group</b>           |
| <b>4 - B3</b>                            | <b>22 - MVA Scientific Consultants</b>   |
| <b>12 - Bartlett Environmental</b>       | <b>8 - NC DAQ</b>                        |
| <b>33 - C&amp;C Boiler</b>               | <b>34 - Nordfab</b>                      |
| <b>43 - CEC Inc</b>                      | <b>19 - Republic Services</b>            |
| <b>24 - Clean Harbors</b>                | <b>28 - Rogers &amp; Callcott</b>        |
| <b>5 - Compliance Assurance</b>          | <b>9 - SC DES</b>                        |
| <b>1 - Crossair LLC</b>                  | <b>25 - SCS Engineers</b>                |
| <b>18 - Eastern Technical Associates</b> | <b>53 - SLE</b>                          |
| <b>38 - ELM</b>                          | <b>35 - SR&amp;R Environmental, Inc.</b> |
| <b>27 - Enthalpy Analytical</b>          | <b>40 - Synterra</b>                     |
| <b>31 - ERM</b>                          | <b>42 - Teledyne</b>                     |
| <b>17 - GEL</b>                          | <b>20 - The EI Group</b>                 |
| <b>11 - Grace Consulting, Inc.</b>       | <b>30 - Thermon</b>                      |
| <b>6 - IVI, Inc.</b>                     | <b>23 - TRC</b>                          |
|  | <b>32 - Trinity</b>                      |
|  | <b>15 - Waste Management</b>             |



# Fall 2024

## CAPCA Exhibitors Booth Layout



# Thank You CAPCA Contributors

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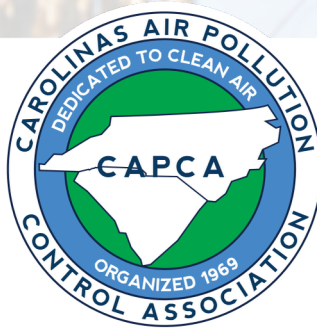
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The background of the slide is a photograph of a river flowing through a landscape with colorful autumn foliage. In the distance, an industrial facility with several tall smokestacks emitting white smoke is visible against a blue sky. The river is rocky and has some rapids. The overall scene is a mix of nature and industry.

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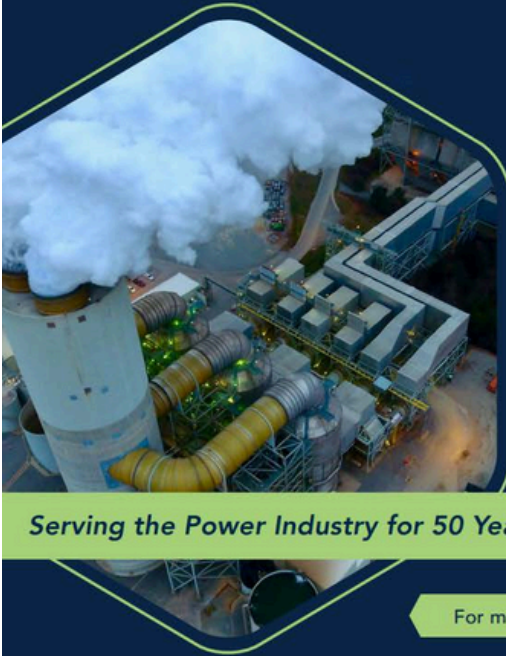
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Karen Crawford, who is proud to be a long-term CAPCA member and Past President, practices in the areas of environmental law and litigation, employee safety, product safety, and tort litigation. An engineer by training and experience, she earned recognition 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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Drew Hargrove, *Counsel*  
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- ▶ TSCA/CDR
- ▶ EHS Training
- ▶ Engineering and EHS Recruitment

### Carolinas Offices

Charlotte 704.553.7747 / Mt. Pleasant 888.555.2340 / Raleigh 919.462.9693

[trinityconsultants.com](http://trinityconsultants.com)

## Attention!

### Attendee List Information

In order to provide you  
with a complete listing of all registered persons attending the  
conference, the attendees list will be posted  
on the CAPCA website at:

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

accessible by

**Password: Will be Shared via E-mail**

**within 4 business weeks after conclusion of the meeting**

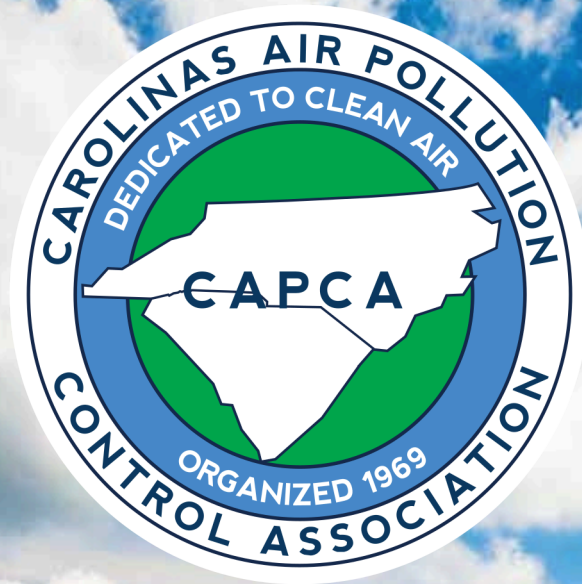


# AIR ACRONYMS

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	Comprehensive Assessment Information 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 Emissions 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	Reciprocal 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



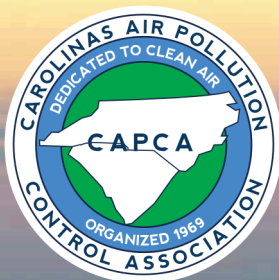


# **SAVE THE DATE**

for the  
56th Annual Spring Technical  
Workshop & Forum

**April 9-11, 2025**  
**Asheville, NC**





# **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**