

# CAPCA

54TH ANNUAL FALL TECHNICAL WORKSHOP & FORUM

## PROGRAM AGENDA

The Hilton • Myrtle Beach, South Carolina • October 18-20, 2023



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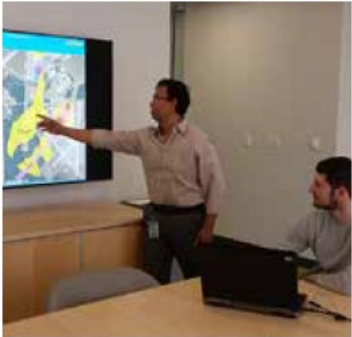
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Scott A. Hartung, LEED AP  
Vice President  
East Regional Practice Leader, EHS and  
Air Compliance  
Scott.Hartung@aecom.com  
919.461.1362

Randall K. Taylor  
Senior Vice President  
Chief Operating Officer, Southeast Region  
CAPCA Past President  
Randall.Taylor@aecom.com  
919.461.1520

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# Fall 2023 Workshop Conference Agenda

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## Wednesday, October 18, 2023 - Morning Technical Sessions

**8:30-11:30 AM Continuous Emission Monitoring Systems (CEMS) 101**  
(Pre-Registration and Additional \$120 Fee Required)  
(Session Chair: Tim Agner, CAPCA Treasurer)

*Nick Bringolf, Sales Consultant, Bartlett Controls, Inc*  
*Don Giel, Regional Sales Manager, Teledyne Technologies*  
*Sean Myrick, Regional Sales Manager, M&C TechGroup*

This session will introduce air pollution control professionals to the basic design, operation, and maintenance of CEMs. The session will include a look at regulatory requirements, quality assurance and a hands-on demonstration of CEMS components. This class will be taught by equipment representatives with many years of experience.

**9:00 AM – 4:00 PM – Registration (Atlantic View II)**

**11:30 AM – 1:30 PM – Young Professionals Committee Lunch Meeting (Hilton Ballroom - East) RSVP Required**

*Session Chairs: Sanjam Singh and Pierce Werner*

## Wednesday, October 18, 2023 - Afternoon Technical Sessions

**1:30-1:40 PM – Conference Welcome & Introductory Remarks -**  
Rhonda Thompson, CAPCA Vice President & Chair of Program Committee

**1:40-2:20 PM - Technical Short 1: Relative Accuracy Test Audit (RATA) for Continuous Emissions Monitoring Systems (CEMS): What is a RATA why are they Important?**  
(Session Chair: Margaret Sembos, CAPCA Director)

*J.A. Tony Blanton, Qualified Stack Testing Individual, QSTI*  
*President & Technical Director, Integrity Air Monitoring, Inc.*

Continuous Emissions Monitoring Systems (CEMS) require periodic data quality assessments or audits to ensure the data collected is valid. In this session we will discuss the agency notifications, reporting, procedures and requirements for calibration gas audits (CGAs) and relative accuracy test audits (RATAs) as required by 40 CFR Appendix B -CEMS Performance Specifications and 40 CFR Appendix F Procedure 1.

**2:20-3:00 PM - Technical Short 2: Introduction to Combustible Dust Hazards and Mitigation Strategies.**

***Ruth Albright, P.E., Vice President, SynTerra Corporation***

This session will provide a high-level overview of combustible dust hazards, OSHA regulations, NFPA standards, and mitigation strategies. This session is a prelude to the Spring 2024 conference session which will be a more in-depth discussion regarding control of combustible dust hazards in industrial manufacturing operations.

**3:00-3:30 PM - BREAK**

**3:30-4:15 PM - Technical Short 3: Extremely Hazardous Chemicals and Ozone Depleting Substances Storage and Use**

**(Session Chair: Robert vandenMeiracker)**

***AJ Golding, Consulting Scientist, ALL4, Inc***

***Dan Curry, Client Service Manager, TRC***

Chemical storage and use are subject to a myriad of federal requirements. This session will focus on two important categories, ozone depleting substances (aka refrigerants) and extremely hazardous chemicals (RMP Chemicals). Many refrigerants are ozone depleting substances subject to EPA rules for maintenance including inventories of equipment, licensing of contractor and service equipment, and leak rate calculations. Facilities that maintain quantities of extremely hazardous chemicals above the regulated thresholds must submit a Risk Management Plan to EPA on a 5-year basis. There are events that can trigger an RMP update between the required renewals. Additionally, EPA has proposed updates to the RMP Rule that enhance requirements to perform drills, tabletop exercises, coordinate with local emergency response personnel and provide information to the local public. Additionally, it is proposed that specific hazards presented by climate change be considered and addressed. This session will focus on requirements common to most facilities subject to these rules with an eye toward upcoming changes.

**4:15-5:00 PM – Technical Short 4: Combustion Sources Compliance Reminder**

**(Session Chair: Robert vandenMeiracker)**

***Katie Cooper, Air Quality Manager, Environmental Affairs, Georgia Pacific, LLC***

***Caroline Novy, Senior Consultant, Air Quality, ERM***

Reciprocating Internal Combustion Engines (RICE) and Boilers are nearly ubiquitous at industrial facilities and present compliance challenges. Regulations applicable to these sources require environmental staff to navigate numerous monitoring, recordkeeping, and reporting requirements in order to demonstrate compliance. These rules are complicated due to their long histories, multiple lawsuits, multiple applicability dates and criteria, and the large number of piecemealed regulations that cross-reference each other, which can make ensuring compliance difficult. This session will provide an overview of common compliance requirements for RICE and natural gas-fired boilers (burning fuel oil only during periods of curtailment), best practices, and examples of most commonly missed items.

**5:15-6:15 PM - Cornhole Hour (Hilton North Lawn)**

CAPCA's Young Professionals Committee is hosting an hour of relaxation and refreshment. Before heading to the Wednesday evening symposium dinner, visit the Hilton North Lawn 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.***

**6:30-8:30 PM – Symposium Dinner by the Pool**



# Thursday, October 19, 2023 - Morning Technical Sessions

7:30-8:30 AM – Breakfast in Exhibit Hall - Palisades

8:00 AM - 4:00 PM - Registration Continues (Atlantic View II)

8:30-8:40 AM - Welcome & Introductory Remarks

Mike Abraczinskas, CAPCA President

8:40–9:30 AM - EPA Update

(Session Chair: Mike Abraczinskas, CAPCA President)

*Anthony Toney, Acting Director, Air and Radiation Division, US EPA Region 4*  
*Keriema Newman, Acting Director, Enforcement and Compliance Assurance Division, US EPA Region 4*

This presentation will provide an update on activities and priorities for EPA Region 4 on air quality matters and how these affect sources in North and South Carolina.

9:30-10:15 AM – Beach “Bonfire Chat” with the Air Directors

*Rhonda Banks Thompson, P.E., Chief, Bureau of Air Quality SC Department of Health & Environmental Quality*

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

Join us for a beach bonfire chat with the NC and SC air directors where the moderator will ask questions of interest to the air quality community. Send in your questions ahead of this session at [capcaquestions@gmail.com](mailto:capcaquestions@gmail.com).

Moderated by Sean Alteri, Director of Environmental Permitting and Regulatory Affairs, Nucor

10:15-10:45 AM – Break in Exhibit Hall

**Thank you Moore&VanAllen for being a break contributor.**

10:45-11:15 - Morning Speakers Q&A Session

(Session Chair: Jessie King, CAPCA Immediate Past President)

11:15 AM - 12:00 PM - What’s Happening on Capitol Hill?

*Leslie Bellas, Vice President of Regulatory Affairs*

*American Fuel and Petrochemical Manufacturers*

In this session we’ll hear from a Washington, DC-based industry association representative on how activities on Capitol Hill and within EPA are expected to impact Carolina’s industry and what advocacy efforts industry associations are engaged in with respect to federal regulatory activity.

Moderated by Michael Traynham, Of Counsel, Maynard Nexsen

# Thursday, October 19, 2023 - Afternoon Technical Sessions

**12:00-1:00 PM – Lunch (Hilton Ballroom)**

**1:00-1:30 PM - Program Committee Meeting & Young Professionals Meeting**

**1:30-3:00 PM - Permitting Basics: Part 3 – After You Have Your Permit**

**(Session Chair: Rhonda Thompson)**

***Dawn Miller, Assistant General Counsel, SC Department of Health and Environment Control***

***Asher Spiller, Special Deputy Attorney General, Environmental Division, NC Department of Justice***

***Jason Ericson, Director, Environmental Services, Dominion Energy***

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

This is the final segment of the three-part Permitting Basics Series. Now that your facility finally has that air permit, what happens next? Unfortunately for some companies, the issuance of the air permit is not the final action. Air permits can be challenged (or appealed), and the procedures differ from state to state. During this session, state agency legal representatives will provide a general overview of the appeals process in South Carolina and North Carolina. This session will also explore ways of keeping communities engaged after the air permit is finalized. An energy company will discuss the role of its Environmental Justice Team and community engagement. Also, this session will cover common pitfalls and provide compliance tips from an experienced auditor to help ensure your facility understands its air permit and can meet all permit conditions.

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

**3:30-5:00 PM – US Industry Initiatives to Implement Alternative Energy**

**(Session Chair: Ruth Albright)**

***Mark J. Messersmith, Environmental Manager, South Carolina Ports Authority***

***George Bandy, Jr., Chief Sustainability Officer, Darling Fibers***

During this session, we will discuss ongoing air quality initiatives various industry sectors are engaged in. These presentations will highlight numerous areas for potential improvements to local and regional air quality as well as the challenges and opportunities associated with full scale deployment of various alternative energy equipment. This session will also explore the development of a circular economy campus to encourage and facilitate consumer recycling of synthetic fibers and resins. A hub where innovators can transform fiber, plastics and even clothing into products with new uses, including recycled materials for manufacturing, or fuel sources for clean energy.

**5:30-7:30 PM – Symposium in Exhibit Hall**

**Thank you Umbrella Equipment Partners for being a beverage contributor.**



# Friday, October 20, 2023 - Morning Technical Sessions

**7:30-8:30 AM - Breakfast in Exhibit Hall - Palisades**

**9:00-9:05 AM – Welcome & Announcements**

**9:05-10:35 AM - Implementation Challenges Around a Lower PM2.5 NAAQS**

**(Session Chair: Amy Marshall)**

***Natalie Hammonds, QA Manager, Weston Solutions***

***James Boylan, Ph.D., Chief, Air Protection Branch, Georgia Environmental Protection Division***

***Tammy Manning, Branch Supervisor, Attainment Planning Branch, Division of Air Quality, NC Department of Environmental Quality***

The U.S. EPA is expected to finalize lower (more stringent) National Ambient Air Quality Standards (NAAQS) for fine particulate (PM2.5) in late 2023. We discussed permitting strategies at our Spring Conference. This session will discuss challenges that agencies and facilities will face in implementing and living with a lower PM2.5 NAAQS. Because it will be more difficult to perform successful air dispersion modeling demonstrations using historical emission factors and conservative emissions estimates, facilities may be interested in conducting a stack test program to get better data and refine their PM2.5 emissions inventory. Our first presenter will discuss the state of PM2.5 measurement techniques and challenges with getting good data. Another element of a successful air dispersion modeling analysis will be selection of the background monitor. Alternatively, you may need to rely on ambient monitoring instead of conservative air dispersion modeling to show your facility is not violating the NAAQS at your fence-line. Monitor data will also be used to determine an area's attainment status, which will affect permitting and compliance requirements. Our second presenter will discuss the challenges around PM2.5 ambient monitoring. You might also be wondering about the timing and steps for agencies to incorporate a revised NAAQS into their state implementation plan (SIP), the challenges the agency will face in dealing with a lower NAAQS, and what new SIP provisions might affect facilities. Our last presenter will discuss challenges around planning for and living under a lower PM2.5 NAAQS.

**10:35-11:45 AM – Legal Updates**

***Ryan Trail, Attorney, Williams Mullen***

***Karen Crawford, Attorney, KLAC Law***

**What is Chevron Deference? – Past, Present and Future.**

The Chevron doctrine, established by the U.S. Supreme Court in *Chevron U.S.A. v. Natural Resources Defense Council* in 1984, instructs courts to defer to an administrative agency's interpretation of the statutes and regulations that the agency is charged with implementing. But the future of Chevron is uncertain. Ryan Trail will review the Chevron doctrine, what it entails, and its past, present, and possible futures.

**Environmental Case Law Update:** It has been two years since the last good, old-fashioned case law update at CAPCA, and courts have been quite active on various environmental fronts in that time. Karen Crawford will get us up to speed on key environmental cases in federal and state courts that impact the air quality arena, or that forecast changes to come.

**11:45 AM – ANNUAL BUSINESS MEETING AND ELECTION OF OFFICERS**

**CONFERENCE WRAP UP, GIFT CARD DRAWINGS, GIVEAWAYS, & ADJOURN**

**Thank you Black Rock Branding for contributing the giveaways.**

**Notice: An electronic certificate will be emailed to all 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 emailed to attendees



CAPCA Fall 2023

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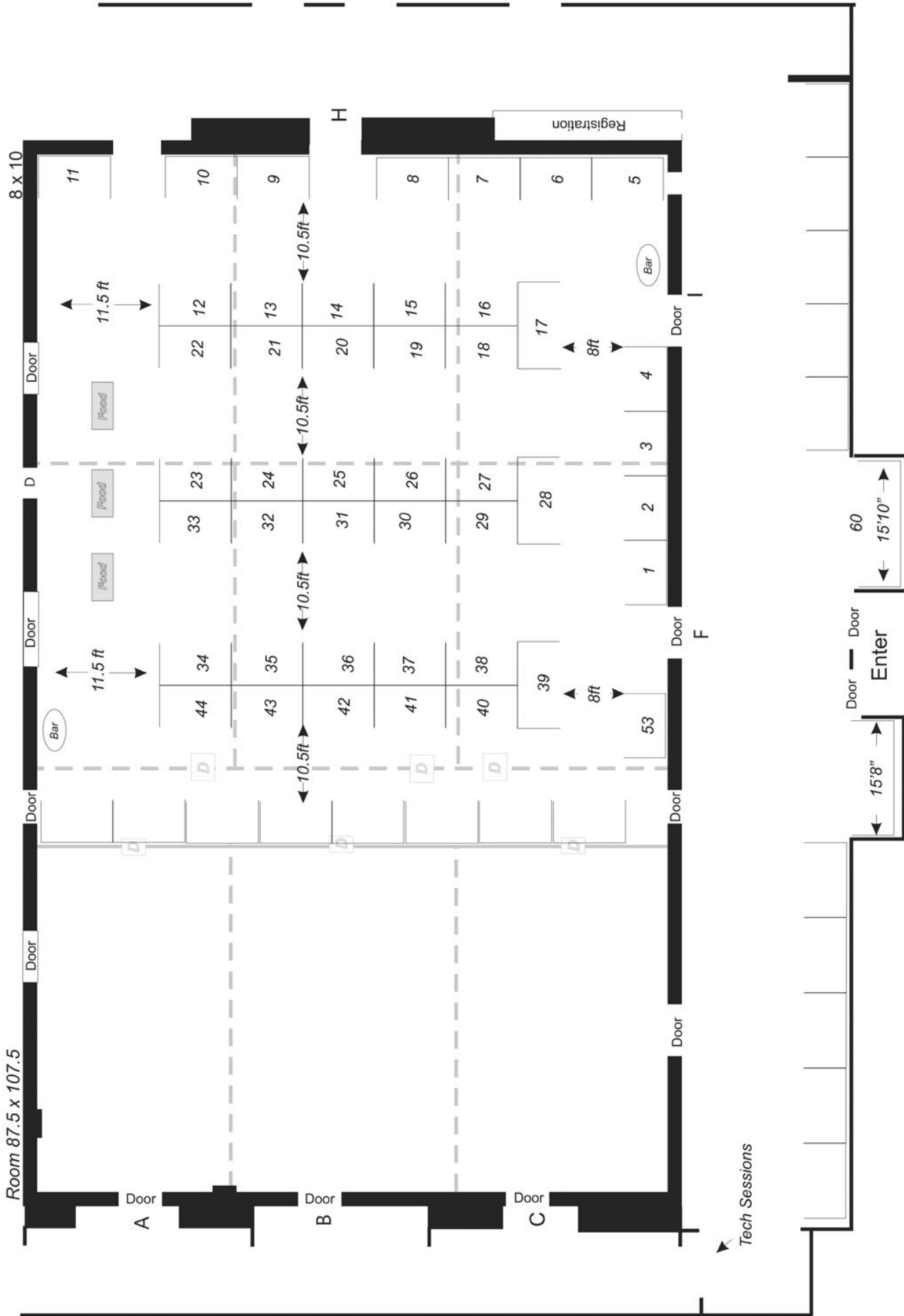


# FALL 2023 CAPCA Exhibitors

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- 29 & 30 - Air Techniques Inc.
- 36 - Albarrie Environmental Services
- 28 - ALL4
- 39 - Alliance Technical Group LLC
- 38 - AMP - Cherokee
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- 4 - B3 Systems
- 12 - Bartlett Controls
- 2- Black Rock Branding
- 60 - California Analytical Instruments, Inc.
- 23 - C&C Boiler Sales & Service
- 20 - CCI Environmental
- 10 - Civil & Environmental Consultants
- 27 - Eastern Technical Associates
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- 18 - ERM
- 17 - GEL Engineering
- 5 - GCI (Grace Consulting, Inc.) Testing
- 7 - HEPACO
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- 24 - Leaf Environmental & Engineering, P.C.
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- 26 - Met One Instruments
- 35 - MVA Scientific Consultants
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- 15 - Republic Services
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- 16 - SCS Engineers
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- 32 - SR&R Environmental LLC
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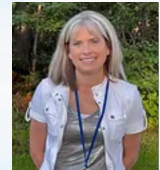
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jking@williamsmullen.com



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INEOS  
margaret.sembos@ineos.com



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Treasurer  
Stalite  
thompsrb@dhec.sc.gov



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Director  
Enpro Industries  
fernpaterson@gmail.com



**AMY MARSHALL**  
Secretary  
All 4, LLC  
amarshall@all4inc.com



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Director  
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Claire Corta, Raleigh Office Leader  
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**Charlie Carter, Esq. Partner**  
[charlie.carter@earthandwatergroup.com](mailto:charlie.carter@earthandwatergroup.com)



**Charles Case, Esq. Partner**  
[charles.case@earthandwatergroup.com](mailto:charles.case@earthandwatergroup.com)



**E. Donald Elliott, Esq. Partner**  
Former U.S. EPA General Counsel  
[e.donald.elliott@earthandwatergroup.com](mailto:e.donald.elliott@earthandwatergroup.com)



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## KAREN ALDRIDGE CRAWFORD

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[karen@klaclaw.com](mailto:karen@klaclaw.com)

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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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

# NOTES

## **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: TBA**  
within 4 business weeks after  
conclusion of the meeting



# NOTES



**SAVE THE DATE**

for the

**55th Annual Spring Technical  
Workshop & Forum**

**April 10-12, 2024**

**ASHEVILLE, NC**



# **FUTURE CONFERENCE DATES**

## **SPRING**

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**April 10-12, 2024**  
**April 9-11, 2025**

## **FALL**

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**October 23-25, 2024**  
**October 22-24, 2025**