

CAPCA Fall 2021 Conference Agenda

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for the latest workshop information.

COVID PRECAUTIONS

The safety of our attendees, participants, and staff is our main concern. We will be following the recommended national and local guidelines and working with the facility to take all precautions necessary at that time, which include mask recommendations, sanitizing stations, social distancing, and safer food and beverage serving options. Masks will be strongly encouraged for all participants at all sessions and other events and will be provided at registration.

Wednesday, October 13, 2021 - Technical Sessions

9:00-11:30 TECHNICAL SESSION: Basics of Environmental Control Equipment and Systems Hilton Ballroom West

(Pre-registration Required)

(Session Chair: Duane Mummert, CAPCA Past President)

Tom Wassel - Air Techniques - NOx controls

Rodney Pennington - NESTEC Inc. – Thermal Oxidation

J Kirt Boston - Global Manager of Torit Product Technology, Donaldson Torit – Dust Collection using baghouse cartridge collectors and cyclones

This session will feature instructors provided by equipment vendors and will review VOC Control, Dust Collection, and NOx mitigation controls. This session provides the framework for a basic understanding of equipment specification, operation, and design considerations.

10:00 AM-4:30 PM – Registration – Atlantic View II

**11:30 AM-1:30 PM - Young Professionals Committee Luncheon – Hilton Ballroom East
(Session Chairs: Nathan Daniel – Bunnell Lammons Engineering and Austen Meyer – One Environmental)**

**1:30-1:40 PM - Welcome & Introductory Remarks - Palisades
(Kevin Nesbitt – CAPCA President)**

1:40-3:00 PM - Air Monitoring Sensors: Increasing public interest in local air quality and low-cost advancements in technology is leading to increased growth in the air quality measurement sector.

(Session Chair: Mike Abraczynski, CAPCA Treasurer)

Heather Murphy, Environmental Program Consultant, NC Division of Air Quality

Eben Cross, CTO and Co-Founder, QuantAQ

Maria Sharova, Manager of Citizen Science, Clean Air Carolina

This session will examine these new, lower-cost monitoring technologies (sensors). We will discuss the basic types of air sensors, how regulatory agencies are responding to the opportunities and challenges presented by the proliferation of these devices, what new developments are on the horizon, and explore citizen scientist sensor activities in the Carolinas.

3:00-3:30 - Break - Palisades West

3:30-5:00 PM - Construction Permitting Process: A Case Study on Path

(What strategies can be used and what are the trade-offs? For example, is it better to avoid a major source classification through avoidance limits, or to become a major source?)

(Session Chair: Ruth Albright, CAPCA Director)

Brian Hill– Principal Consultant at ERM: Environmental Resources Management – Construction Permitting Strategies and Lessons Learned

Pamela Welch, Environmental Manager, Fiber Industries – Transitioning from Construction to Operating Permit with a Phased Start-Up Considerations for Selecting the One-step Versus Two-step Permitting Process for Title V Sources in North Carolina: A Case Study

Gary Keffer, Director of Environmental, Health, and Safety, Consolidated Diesel Plant-Whitakers, NC

Considerations for selecting the one-step versus two-step permitting process for Title V sources in North Carolina: a case study

5:15-6:15 PM – Cornhole Hour

CAPCA's Young Professionals Committee is hosting an hour of relaxation and refreshment. Before heading to the Wednesday evening symposium, visit the north lawn by the pool and enjoy a round of cornhole, a cool drink, and a bit of conversation. Open to all CAPCA attendees.

6:15-8:00 PM - Symposium by the Pool

6:30 PM - Dinner

Thursday, October 14, 2021 - Morning Technical Sessions

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

8:00 AM–4:00 PM – Registration Continues – Atlantic View II

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

(Kevin Nesbitt – CAPCA President)

8:40–9:10 AM - EPA Air Program Update

(Session Chair: Deb Basnight – CAPCA Director)

Caroline Freeman, Director, Air & Radiation Division, USEPA Region 4

EPA's own Caroline Freeman 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.

9:10-9:45 AM - SC Air Program Update

Rhonda Banks Thompson, P.E., Chief, Bureau of Air Quality, SCDHEC

This presentation will provide an update on air quality priorities and activities before the SC Department of Health and Environmental Control.

9:45-10:20 AM – NC Air Program Update

Mike Abraczinskas, Director, Division of Air Quality, NCDEQ

This presentation will provide an update on air quality priorities and activities before the NC Department of Environmental Quality.

10:20-10:50 AM – Break in Exhibit Hall - Palisades

10:50-11:30 AM - Q&A with Morning Speakers

11:30 AM-12:00 Noon - State of SCDHEC – Is DHEC splitting up?

(Session Chair: Beth Partlow – CAPCA Past President)

Myra Reece, Director of Environmental Affairs, SCDHEC

This session will discuss the intent and progress of SHaPE SC, what to expect in 2022 and how this will (or will not) affect you!

Noon-1:00 PM - Lunch – Hilton Ballroom and Plaza Outdoors between Palisades and Hilton, Café Almalfi, Palisades South and the Plaza

Thursday, October 14, 2021 - Afternoon Technical Sessions

1:00-1:30 PM - Program Committee Meeting (in front of General Session Area) and Young Professionals Meeting (in back of General Session Area)

1:30-3:00 PM - The Science of Climate Change and Impacts to Regulatory Programs and Policies

(Session Chair: Rich Weber, CAPCA Past President)

Greg Carbone, PhD, Professor at University of South Carolina - GHG Background/Science

Kenneth Kunkel, PhD, Research Professor NC State University - Carolina Impacts: What the Data is Telling Us

John Bird, PE, Arauco North America - GHG Regulations Affecting Stationary Sources in North America

This session will provide the latest in greenhouse gas science followed by a discussion on the most recent climate assessment for the Carolinas in regards to climate variability and trends, particularly related to extreme events such as heavy precipitation, heat waves, cold waves, and winter storms. Session will include a survey of existing and proposed climate related programs and policies in North America, including the regulatory basis and insights on potential federal and state carbon related taxes and energy efficiency programs. This is a must session for environmental professionals seeking to gain a better understanding of greenhouse gas science, climate change trends, and potential regulatory impacts.

3:00-3:30 PM – Break in Exhibit Hall - Palisades

3:30-5:00 PM - What are the Impacts of the Biden Administration's Climate Goals?

(Session Chair: Amy Marshall, CAPCA Director)

Tom Effinger, Director of Environmental Services, Dominion Energy - Dominion Energy Climate Goals

Rolly Sauls, Environmental Engineer, Sustainability, Nucor - Sustainability and Carbon Goals

Lauren Swan, Director of Resilience and Sustainable Development, U.S. East & Latin America, AECOM - Reducing Carbon and Improving Sustainability of Communities & Infrastructure

The Biden Administration has set the following goals: 50-52 percent reduction from 2005 levels in greenhouse gases in 2030; 100 percent carbon-free electricity by 2035; and net-zero greenhouse gas emissions by no later than 2050. How will we get there? In this session we will hear what actions companies are taking now, what goals they are setting, and how they will achieve them.

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

Friday, October 15, 2021 - Morning Technical Sessions

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

8:30-8:35 AM - Welcome & Announcements

(Kevin Nesbitt, CAPCA President)

8:35 – 9:30 AM - Legal Perspectives: What's hot in the air arena?

(Session Chair: Jessica King, CAPCA Vice President)

Fern Patterson, Partner, Parker Poe – North Carolina & Federal Perspective

Alex Shissias, Owner, Shissias Law Firm – South Carolina & Federal Perspective

Join us for coffee Friday morning to hear from lawyers working on legal air and associated environmental issues in North Carolina, South Carolina and nationwide.

9:30-10:00 AM - We are excited to have SC's Attorney General speak to CAPCA about his office's legal actions on various air topics in light of ever changing federal policies and regulations.

(Introduction: Ethan Ware, Partner, Williams Mullen)

SC Attorney General Alan Wilson

10:00-10:45 AM – Break in Exhibit Hall – Palisades

10:45 AM-12:00 Noon - A Case Study: The Ripple Effects of the Ethylene Oxide (EtO) IRIS change.

(Session Chair: Rhonda Thompson, CAPCA Secretary)

Kelly Rimer, Leader, Air Toxics Assessment Group, US EPA Office of Air Quality Planning and Standards (OAQPS)

Kenneth L. Mitchell, PhD, Deputy Director, Air and Radiation Division, US EPA Region 4

Karen Hays, Chief, Air Planning Branch, Georgia Department of Natural Resources

During this session, you will learn more about EPA's Integrated Risk Information System (IRIS) assessment process and how a change in the EtO IRIS cancer toxicity value set off a chain of events including a review of multiple air regulations for chemical manufacturing facilities and commercial sterilizers, and a number of new community-level air monitoring studies. The session panelists will also discuss EPA's ongoing research to address the elevated EtO background concentration levels being found across the United States. You will also hear how one state agency has dealt with community concerns and media scrutiny as a result of the EtO IRIS change and community monitoring results in a large metropolitan area.

12:15 PM – Lunch and Annual CAPCA Business Meeting – Dunes Ballroom