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2023 Annual Conference
September 25 - 27
Atlanta, Georgia

AGENDA

Monday, September 25



Air Quality Workshop: NCASI Audit Tool for U.S. EPA Method 5 Test Reports

9:00 - 11:45 AM

Presenter: Lee Carlson, NCASI



Water Resources Workshop: Probabilistic Risk Assessment

1:00 - 2:45 PM

Moderators: Camille Flinders & Jim Palumbo, NCASI

Presenters: Giffe Johnson & Brad Barnhart, NCASI and Gillian Wason, GA EPD

Opening Session and Keynote

3:00 - 5:00 PM

Presenters: Dirk Krouskop, Vipin Varma, Darren Miller, Kirsten Vice, and Tammerah Garren, NCASI

Keynote Speaker: Terry Baker, CEO, Society of American Foresters (SAF)

Reception

5:00 - 7:00 PM

NCASI 2023 CONFERENCE AGENDA - Day 2

Tuesday, September 26



Water Resources: Eastern Regulatory Focus

8:00 - 9:30 AM

- Georgia Regulatory Update (Liz Booth, GA EPD)
- Fecal Indicator Bacteria: Regulatory Trends & Implications for Facilities (Renee Ragsdale, NCASI)
- Mixing Zones: Background & Use (Andrew Thuman, HDR)



Air Quality: Regulatory Drivers

10:00 - 11:30 AM

- Emerging and Upcoming Air Regulations and Associated NCASI Research (Zach Emerson, NCASI)
- State Perspectives on the PM_{2.5} NAAQS Proposal (James Boylan, GA EPD)
- Assessments of PM_{2.5} Data Comparability Between FRM and FEM Monitors (Tanvir Khan, NCASI)



Sustainability and Climate: Responding to Marketplace Drivers

10:00 - 11:30 AM

- Delivering on the Promise of Paper (James McDonald, Sylvamo)
- Recyclability of Paper & Paperboard (Barry Malmberg, NCASI)
- Next-Level GHG Accounting Strategies (Adam Costanza, NCASI)

Lunch & Exhibit Hall 11:30 AM - 1:00 PM



Water Resources: Wastewater Treatment Management

1:00 - 3:00 PM

- Permit Modification Process Taken to Remove Inappropriately Applied Permit Limits (Jihyan Giordano, Sylvamo)
- Using UV/IR Spectrum Technology for Online, Real-Time Water Quality Monitoring (Kelly Simmons, International Paper)
- Effluent Limitation Study Success through Florida DEP & IP Pensacola Mill Collaboration (Cristhian Mancilla, HDR)
- Dredging and Dewatering Project Case Study (Shaelyn Thomas, Kennedy Jenks)



Wood Products: Regulatory and Compliance

1:00 - 3:00 PM

- Anticipating New PCWP Requirements and Other Clean Air Rules (Tim Hunt, AWC)
- Achieving Zero Liquid Discharge through Evaporation: Estimating the Impact of Aeration, Temperature, and Rainfall using the NCASI Heat Balance Model (Boris Lau, NCASI)
- NCASI Research Round-Up (Alejandra Borquez, Rob Crawford, Ric Law, NCASI)

NCASI 2023 CONFERENCE AGENDA - Day 2 - Continued

Break & Exhibit Hall 3:00 - 3:30 PM



Water Resources: Wastewater Treatment Characterization

3:30 - 5:00 PM

- Effect of Inhibitory Substances on P&P Activated Sludge Performance (Heidi Gough, University of Washington and Amanda Mattingly, NCASI)
- Assessing Extent of PFAS Precursor Transformation in P&P Mill Wastewater under Different Redox Environments (Manyiel Mel & William Hockaday, Baylor University and Boris Lau, NCASI)
- Drone Technology for Enhanced Data Analytics and Decision Making (Jason Diamond, Arcadis)



Wood Products: Regulatory and Compliance

3:30 - 5:00 PM

- Wood Dust Management at Wood Products Facilities (Ilich Lama, NCASI)
- Fugitive Road Dust Emission Reduction Strategies and Emission Factor Development (Allison Casey & Maria Zufall, Georgia-Pacific)
- Fine Particulate Matter Emissions from Material Processing and Handling Sources at Wood Product Facilities (Zach Emerson, NCASI)

Dinner followed by a Dessert Reception 6:00 - 8:00 PM

NCASI 2023 CONFERENCE AGENDA - Day 3

Wednesday, September 27



Air Quality: Eastern Regulatory Panel

8:00 - 9:30 AM

- Moderators: Deanna Duram, Trinity Consultants, Sheryl Watkins, All4 and Zach Emerson, NCASI



Forest Sustainability: Eastern Regional Topics

8:00 - 9:30 AM

- Beyond Herbicides: Do Alternative Vegetation Management Strategies Make the Cut? (Kevin Solarik, NCASI)
- HabplanR: Improving Usability of a Multi-Objective Optimization Program (Max Jones, Virginia Tech University)
- Bats and Forests - From Many to Few (Mark Ford, U.S. Geological Survey)



Chemical Management and Health Effects - PFAS

10:00 - 11:30 AM

- PFAS Regulatory Update (Giffe Johnson, NCASI)
- Evaluation of EPA Draft Method 1633 in P&P Waste Water Samples (Cecilia Silva Sanchez and Cher Lindelien, NCASI)
- Firefighting Foam: Fluorine-Free Foam Selection and Transitioning Away from PFAS-Containing AFFF (Lauren March, Arcadis)
- Simulation of the Air Deposition Pathway to PFAS Groundwater Contamination (Kevin Eisen and Eric Edwalds, Barr Engineering)
- Beyond PFOA and PFOS: Treatment, Separation and Destruction. A Data Driven Overview of the Current PFAS Treatment Landscape (Charlie Liu, Kennedy Jenks)



Forest Sustainability and Sustainability and Climate Joint Session - Carbon & Climate

10:00 - 11:30 AM

- The Future of Climate & Biodiversity Reporting in the Context of ESG (Kirsten Vice, NCASI)



- Forest Carbon - Gaps, Needs and How NCASI is Responding (Steve Prisley, NCASI)
- Greenhouse Gas Accounting Strategies for Forest Management/Owning Companies (Adam Costanza, NCASI)

Lunch & Exhibit Hall 11:30 AM - 1:00 PM

NCASI 2023 CONFERENCE AGENDA - Day 3 - Continued



Air Quality: Monitoring and Control

1:00 - 3:00 PM

- Considerations for Ambient Hydrogen Sulfide Monitoring (Chufan Zhou and John Bowser, TRC Environmental Consultants)
- Developing a Community-Based Monitoring Program to Address Environmental Justice Initiatives (Scott Adamson, Trinity Consultants)



Forest Sustainability: Current and Potential Collaborators 1

1:00 - 3:00 PM

- Collaborative Conservation for Listed and At-Risk Species - U.S. Fish and Wildlife Service Perspectives (John Tirpak, U.S. Fish and Wildlife Service)
- Southeast Climate Adaptation Science Center - Forest Resilience Research and Collaboration Opportunities (Katherine Smith, U.S. Geological Survey)
- National Science Foundation's Center for Advanced Forestry Systems: Evolution and Future Opportunities (Aaron Weiskittel, University of Maine)
- Conservation Without Conflict: Collaborative and Voluntary Conservation of Natural Resources (Leo Miranda, Conservation Without Conflict)

Break & Exhibit Hall 3:00 - 3:30 PM



Air Quality and Sustainability and Climate Joint Session: Carbon Regulations and Beyond

3:30 - 5:00 PM

- Leveraging Required GHG Assessments to Highlight Environmental Benefits of Capital Projects (Nancy Liang, Anna Henolson and Hui Cheng, Trinity Consultants)
- Greenhouse Gas Decarbonization Policy Developments (Barry Malmberg, NCASI)
- Pulp and Paper Industry View and Policy Updates: Carbon Neutrality of Woody Biomass (Jesse Levine, AF&PA)



Forest Sustainability: Current and Potential Collaborators 2

3:30 - 5:00 PM

- Species Challenges and Research Needs to Achieve a Clean Energy Future (Christian Newman, EPRI)
- Activities of the Forest Carbon Modeling Group (Chris Woodall, U.S. Forest Service)
- A Pine Pandemic Preparedness Plan (P4) for High-Impact Invasive Insects and Diseases on Southern Pines (Kamal Gandhi, University of Georgia)