



2023 Air Quality Conference

**Emerging Issues around
Air Quality and Waste in
the Rocky Mountain States**

November 2, 2023

Denver Marriott West, Golden, Colorado

7:30 - 8:00 AM **BREAKFAST & REGISTRATION**

8:00 AM **OPENING REMARKS**

Gregg Thomas, RMSS Section Chair

8:10 - 9:30 AM **AIR & WASTE MANAGEMENT**

The W in AWMA: The Outlook for Waste Diversion in Colorado

David Snapp, Solid Waste and Materials Program Manager, CDPHE

Leveraging Machine Learning in Air Quality and Waste Management: Practical Applications and Use Cases for Data-Driven Decision Making

Kyong B. Song, Barr Engineering

Methane Reduction Initiatives, Laws, and Regulations: An Overview

James Van Horne, SLR International

9:30 - 9:55 AM **ENVIRONMENTAL JUSTICE & COMMUNITY AIR MONITORING**

How Environmental Justice Alters Air Permitting

Melissa Green, Weaver Consulting Group

9:55 - 10:25 AM **VENDOR VISITATION BREAK
SNACKS AND REFRESHMENTS**

10:25AM - 12:05PM AIR MONITORING, RISK ASSESSMENT, OUTREACH

Breathe Easy: How Love My Air Engages Denver Communities through Air Quality Monitoring and Communication

Brendan Lawlor and Ephraim Milton, Denver Dept of Public Health and Environment

Commerce City, the most polluted ZIP Code in the U.S.?

Detlev Helmig, Boulder A.I.R.

Data-driven decisions, strategies, and policies through a county-level air quality monitoring program

Annareli Morales and Dan Joseph, Weld County Dept. of Public Health and Environment

A Proposed Risk-Based Screening Assessment Framework for Evaluating Exposures from Unconventional Oil and Gas Development Emissions

Debra Kaden, Ramboll

12:05 - 12:45 PM LUNCH

12:45 - 1:55 PM MEET THE CDPHE DIVISION DIRECTORS

Panel discussion with the Division directors of CDPHE addressing near term priorities (e.g. next 18 months)

Michael Ogletree, Air Quality
Nicole Rowan, Water Quality
Tracie White, Hazardous Waste and Materials
Jeff Lawrence, Environmental Health and Sustainability

1:55- 2:45 PM OZONE & PRECURSORS

Ozone and volatile organic compounds at Carlsbad Caverns National Park, New Mexico

Andrey Marsavin, Colorado State University

Uintah Basin Air Quality Update - Wintertime Ozone

Bob Hammer, SLR International

2:45 - 3:15 PM VENDOR VISITATION BREAK SNACKS AND REFRESHMENTS

3:15 - 4:55 PM OZONE & MODELING

Autonomous Network of Low-Cost PM2.5 and Ozone Sensors to Study Spatial Distribution and Exposure in Underserved Agricultural Communities

Akshay Kumar, Colorado State University

Overview of Monte Carlo Statistical Techniques in Air Quality Modeling

Jason Reed, Ramboll

Collaborative Expert Review of the DenverJulesburg Basin Oil and Gas Emission Inventory for Ozone NAAQS Planning in northern Colorado

Tom Moore, DM/NFR RAQC
John Grant, Ramboll
Amnon Bar-Ilan, Ramboll

3:15 - 4:55 PM OZONE & MODELING CONTINUED

Precursor Emissions Control Strategy
Evaluation: Weighted Emissions
Potential / Area of Influence /
Potential Source Contribution
Analysis in the Denver Metro / North
Front Range Ozone NAAQS
Nonattainment Area

Tom Moore, RAQC
Ross Beardsley, Ramboll
Ralph Morris, Ramboll

4:55 - 5:00 PM CLOSING REMARKS

Gregg Thomas, RMSS Section Chair

5:00 PM NETWORKING MIXER

