

# ROCKY MOUNTAIN STATES SECTION OF THE AIR & WASTE MANAGEMENT ASSOCIATION



## Air Quality Issues in the Rocky Mountain Region

Air Quality Conference  
April 13, 2017  
Sheraton Denver Tech Center

### CONFERENCE AGENDA

#### 7:30am BUFFET BREAKFAST provided by Lesair Environmental

#### 8:00am WELCOME AND OPENING REMARKS

**Drew Leonard**, Rocky Mountain States Section Chair

#### Improving Critical Environmental Decision Making

**Gwen Eklund**, Director, Electric Utilities, Western Region, Weston Solutions, Inc., Austin, TX

#### The Low-Cost Sensor Revolution: Prospects, Pitfalls, and a Whole Lot of Noise

**Dr. John Volckens**, Professor, Mechanical Engineering, Colorado State University, Fort Collins, CO

#### Next Generation Compliance in the Rocky Mountain West: Better, Faster, Cheaper

**Shari Beth Libicki**, Air Quality Service Line Leader, Ramboll Environ, San Francisco, CA, and

**Eric Hodek**, Principal, Ramboll Environ, Denver, CO

#### 9:20 – 9:40am BREAK WITH SNACKS AND REFRESHMENTS provided by Johns Manville

#### State Air Directors/Representatives Panel

A ten minute presentation from each representative, followed by discussion among panelists, then open to audience questions.

**Chris Colclasure**, Deputy Director, Colorado Department of Health & Environment (CDPHE), Denver, CO

**Amber Potts**, State Plan and Rule Group Lead, Department of Environmental Quality (WDEQ), Air Quality Division, Cheyenne, WY

**Mary Uhl**, Executive Director, Western States Air Resources Council (WESTAR), Santa Fe, NM

**Theresa Pella**, Executive Director, Central States Air Resource Agencies Association, Oklahoma City, OK

#### An Update on Colorado Ozone Strategies

**Chris Colclasure**, Deputy Director, CDPHE, Denver, CO

#### Colorado Oil and Gas Monitoring Efforts

**Gordon Pierce**, Technical Services Program Manager, CDPHE, Denver, CO

## 11:30am – 12:50pm BUFFET LUNCH provided by 2B Technologies

State of the Association

**Stephanie Glyptis**, Executive Director, Air and Waste Management Association (A&WMA), Pittsburgh, PA

## 12:50 – 2:30pm TECHNICAL PRESENTATIONS

### SESSION 1

#### SESSION CHAIRS

**Sergio Guerra**, Senior Environmental Engineer, CPP Inc., Fort Collins, CO

**Lori Marquez**, President, Marquez Environmental Services, Denver, CO

**Refinery Sector Risk, Technology Review, and New Source Performance Standards**

**Drew Leonard**, Senior Environmental Specialist, Suncor, Denver, CO and

**Taras Lewus**, Sage ATC Environmental

**Fire, Smoke Dust, and Air Quality in the West**

**Kip Carrico**, Associate Professor, New Mexico Institute of Mining and Technology, Socorro, NM

**The Intermountain West Data Warehouse – Western Air Quality Study: Cooperating Agencies’ Goals, Successes, and Program Status**

**Tom Moore**, WRAP Air Quality Program Manager, WESTAR, Fort Collins, CO

**Development and Application of Photochemical Modeling Systems to Address Ozone, Particulate Matter, Visibility, and Deposition Issues in the Rocky Mountain Region**

**Ralph Morris**, Managing Principal, Ramboll Environ, San Francisco, CA; **Zac Adelman**, Senior Research Associate, University of North Carolina, Chapel Hill, NC; and **Tom Moore**, WRAP Air Quality Program Manager, WESTAR, Fort Collins, CO

**Using Physical Modeling to Refine Downwash Inputs to AERMOD and Achieve Compliance**

**Sergio Guerra**, Senior Environmental Engineer, and

**Ron Petersen**, Principal, CPP Inc., Fort Collins, CO

## 2:30 – 2:50pm BREAK WITH SNACKS AND REFRESHMENTS provided by PDC Energy

## 2:50 – 4:40pm TECHNICAL PRESENTATIONS

### SESSION 2

#### SESSION CHAIRS

**Ty Smith**, Owner, Lesair Environmental, Littleton, CO

**Ginger Fast**, Air Quality Specialist, LT Environmental, Denver, CO

**Modeling and Monitoring in the Environmental Justice Community of Globeville, and Elyria-Swansea**

**Michael Ogletree**, Air Quality Analyst, City and County of Denver, Department of Environmental Health, Denver, CO

**Transportation Conformity with the Replacement of CALINE3 with AERMOD**

**Patrick Ryan**, Senior Air Quality Analyst, Stanley Consultants, Iowa City, IA; **Rick Black**, Principal Environmental Planner, Stanley Consultants, Salt Lake City, UT

## SESSION 2 - CONTINUED

### Evaluation of a New Screening Technique for Regional Haze Impacts Using Standard AERMOD Output

**Bret Anderson**, National Air Modeling Coordinator, US Forest Service, Fort Collins, CO; **Jason Reed**, Senior Scientist & CCM, SLR International, Fort Collins, CO; and **James Zappert**, Principal, Carter Lake Consulting, Laramie, WY

### Simulating the Contribution of Emissions from Oil and Gas Development to Regional Nitrogen Deposition at National Parks in the Intermountain West

**Michael Barna**, National Park Service Air Quality Division, Fort Collins, CO; **Tammy Thompson**, Colorado State University Department of Atmospheric Science, Fort Collins, CO; **Tom Moore**, WRAP Air Quality Program Manager, WESTAR, Fort Collins, CO; **Todd McDonnell**, Research Scientist, E&S Environmental Chemistry, Corvallis, OR; and **Tim Sullivan**, E&S Environmental Chemistry, Corvallis, OR

### Observations of Reactive Nitrogen in RMNP during FRAPPE'

**Katherine Benedict**,<sup>1</sup> **Anthony J. Prenni**,<sup>2</sup> **Ashley Evanoski-Cole**,<sup>1</sup> **Amy P. Sullivan**,<sup>1</sup> **Emily V. Fisher**,<sup>1</sup> **Barkley Sive**,<sup>2</sup> **Yong Zhou**,<sup>1</sup> **Bret Schichtel**,<sup>3</sup> and **Jeffrey Collett**<sup>1</sup>

<sup>1</sup> Colorado State University Department of Atmospheric Science, Fort Collins, CO

<sup>2</sup> National Park Service, Air Resources Division, Lakewood, CO

<sup>3</sup> National Park Service, Air Resources Division, Fort Collins, CO

## 4:30 – 4:40pm CLOSING REMARKS

**Drew Leonard**, Rocky Mountain States Section Chair



## YOUNG PROFESSIONALS HAPPY HOUR

**Day:** Thursday April 13, 2017, 5:00 PM

**Location:** Redfire Restaurant & Lounge at the Sheraton Hotel

If you are attending the AWMA Technical Conference on April 13<sup>th</sup>, please join us for a Young Professionals Happy Hour immediately following the conference. This is a great opportunity for networking with your peers!

It will be conveniently held in the Redfire Restaurant & Lounge at the Sheraton so you will not have to travel to a second venue. We will provide light appetizers. Drinks and other food items are available from their menu.



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