

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

¹ Colorado State University Department of Atmospheric Science, Fort Collins, CO

² National Park Service, Air Resources Division, Lakewood, CO

³ 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 13th, 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.

Sheraton Events Center – Facility Layout



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