

National Air Quality Conference – Ambient Monitoring 2012
SUNDAY, MAY 13, 2012 –EARLY REGISTRATION

5:00pm – 7:00pm Registration

MONDAY, MAY 14, 2012 –TRAINING SESSIONS

7:00am – 8:00am Registration
 12:00pm – 5:00pm Vendor Set Up

<p align="center">Air Toxics Data Analysis Room – Denver I <i>Hilary Hafner & Mike McCarthy - STI</i></p> <p>8:00am – 12:00pm</p> <p>This half day course will provide an overview of the topic of air toxics data analysis; provide suggestions on methodology to use in analyzing air toxics data; help participants to quantify and interpret data and trends, and provide real examples or application.</p>	<p align="center">Commercial Data Systems Room - Colorado F <i>Lewis Weinstock – EPA/OAQPS</i></p> <p>8:00am – 12:00am</p> <p>This session will examine how various States have used commercial data systems to gain operational efficiencies and how agencies have optimized processing of data.</p> <p><i>George Erdman, Northern Sonoma County APCD</i> <i>Jennifer Bradley, Polk County IA Air Quality</i> <i>J.B. Dennison, SLR International Corp</i> <i>Mark Stoelting, Bay Area AQMD</i> <i>Alan Chan, Sonoma Technology, Inc.</i></p>	<p align="center">Quality Assurance Training Room – Colorado G <i>Michael Papp – EPA/OAQPS & Donovan Rafferty – WA Dept of Ecology</i></p> <p>8:00pm – 12:00pm</p> <p>This session will provide ambient air monitoring quality assurance requirements contained in 40 CFR Part 58 Appendix A as well as covering Federal QA requirements including the ambient air QA requirements for SLAMS/SPM/PSD monitoring. Training will also be provided on the various quality control samples for each criteria pollutant including their frequency of collection and how they should be reported, the statistics for assessing data quality, and the tools available including the Data Assessment Statistical Calculator and the AMP 255 report. This training event is intended for personnel needing an initial understanding of the ambient air quality system and those wanting an update on the changes that have taken place over the years.</p>
<p>12:00pm – 1:30pm LUNCH – on your own</p>		
<p align="center">Monitoring Methods Room – Denver I <i>Joann Rice – EPA/OAQPS</i></p> <p>1:30-2:30pm VOC collection systems, <i>Dave Shelow, EPA, Office of Air Quality Planning & Standards</i></p> <p>2:30-3:00pm Evaluation of the Thermo 146i Calibrator, <i>Rebecca Peltzer, Polk County, Iowa Air Quality</i></p> <p>3:00-4:00pm Sunset Carbon, <i>David Smith, Sunset Labs & Beth Landis – EPA/OAQPS</i></p> <p>4:00-5:00pm NOy Issues, <i>Nealson Watkins & Mark Shanis, EPA Office of Air Quality Planning & Standards</i></p>	<p align="center">Best Practices for Operating PM_{2.5} Continuous FEMs Room – Colorado F <i>Tim Hanley – EPA/OAQPS</i></p> <p>1:30pm – 5:00pm</p> <p>This session will include updates on the most important operational practices necessary to provide data of optimum quality. New data tools for assessing FRM – FEM performance will also be discussed.</p>	<p align="center">AQS/Discoverer/Data Mart Training Room – Colorado G <i>Chris Chapman – EPA/OAQPS</i></p> <p>1:30pm – 5:00pm</p> <p>AQS is EPA's database of ambient air pollution data collected by EPA, state, local, and tribal air pollution control agencies from thousands of monitoring stations. AQS also contains meteorological data, descriptive information about each monitoring station (including its geographic location and its operator), and data quality assurance/quality control information. Learn how to retrieve data from AQS by a variety of tools (AQS Reports, AQS Data Mart, and how you can build your own database queries using Oracle Discoverer).</p>

National Air Quality Conference – Ambient Monitoring 2012
TUESDAY, MAY 15, 2012 –PLENARY SESSION – COLORADO BALLROOM F

7:00am – 8:00am Registration
7:00am – 8:00 am Refreshments

8:00am - 8:15am	Region 8 Welcome <i>Howard Cantor, EPA Region 8 Deputy Regional Administrator</i>
8:15am – 8:30am	EPA Welcome & NACAA Welcome <i>Richard Wayland, Division Director, Air Quality Assessment Division, EPA Office of Air Quality Planning & Standards</i> <i>Dick Valentinetti, Director of the Vermont Air Pollution Control Division</i>
8:30am – 8:45am	OAR Senior Management Perspective <i>Janet McCabe, Deputy Assistant Administrator, EPA Office of Air and Radiation</i>
8:45am – 9:30am	NAAQS Updates and Monitoring Networks <i>Lewis Weinstock, Group Leader, Ambient Air Monitoring Group, EPA Office of Air Quality Planning and Standards</i>
9:30am – 10:00am	Ambient Air Data Trends <i>Pat Dolwick, Group Leader, Air Quality Analysis Group, EPA Office of Air Quality Planning & Standards</i>
10:00am -10:30am	BREAK (Refreshments in Exhibit Areas)
10:30am – 11:15am	Office of Research and Development Monitoring and Methods Priorities <i>Russell Long, EPA Office of Research & Development</i> <i>Tim Watkins, EPA Office of Research & Development</i>
11:15am – 12:00pm	FEATURED SPEAKER: Using Ambient Air Pollution Monitoring Data: The Denver Aerosol Sources and Health Study (DASH) <i>Dr. Jennifer Peel, Colorado State University</i>
12:00pm – 1:30pm	LUNCH – on your own
1:30pm – 3:00pm	NO₂ Near-Road Pilot Study Lessons Learned – Panel Discussion <i>Nealson Watkins, EPA Office of Air Quality Planning & Standards</i> <i>Rich Baldauf, EPA Office of Research and Development & Office of Transportation & Air Quality</i> <i>Monica Pognon, Broward County FL Environmental Protection Department</i> <i>Bruce Louks, Idaho Department of Environmental Quality</i>
3:00pm – 3:30pm	BREAK (Refreshments in Exhibit Areas)
3:30pm - 4:00pm	Region 1 New England Network Assessment <i>Robert Judge, EPA Region 1</i>
4:00pm –5:00pm	Other EPA Monitoring Programs <i>Radnet, Dan Askren, EPA Office of Radiation & Indoor Air</i> <i>Clean Air Status & Trends Network (CASTNET), Tim Sharac, EPA Office of Atmospheric Programs</i> <i>Interagency Monitoring of Protected Visual Environments (IMPROVE), John Vimont/Bret Schichtel, National Park Service</i> <i>National Atmospheric Deposition Program (NADP), David Gay, NADP</i>
6:00pm – 8:00pm	Poster Session/Reception – Colorado E; Denver IV & Registration Area

National Air Quality Conference – Ambient Monitoring 2012
WEDNESDAY, MAY 16, 2012
Technical Sessions

7:00am – 8:00am

Registration & Refreshments

8:00am – 10:00am Technical Sessions

Assessments & Special Studies Room – Colorado F <i>Nealson Watkins & Dave Krask</i>	Air Toxics NATTS Room – Denver I <i>Beth Landis & Eric Stevenson</i>	Data Roadmap & Automation Room – Colorado G <i>Tim Hanley & Matt Harper</i>
<p>Summary of the Discover-AQ Campaign and Incorporation of the Results into MDE’s Conceptual Model for Ozone Transport – <i>Jennifer Hains, Maryland DOE</i></p> <p>Towards 2050: Ambient Monitoring for Supporting Clean Air and Climate Policies in California – <i>Alberto Ayala, California Air Resources Board</i></p> <p>Emissions Inventory & Ambient Air Monitoring of Natural Gas Production in the Fayetteville Shale Region – <i>Toby Chu, Arkansas DEQ</i></p> <p>Value Added Monitoring in Santa Cruz County – <i>Mike Gilroy, Monterey Bay Unified Air Pollution Control District</i></p> <p>Summer Ozone Study in Clark County, NV – <i>Yousaf Hameed, Clark County Air Quality</i></p>	<p>Air Toxics Quality Assurance Update – <i>David Shelow, EPA/OAQPS</i></p> <p>NATTS Technical Assistance Document & Methods Update - <i>David Shelow, EPA/OAQPS</i></p> <p>National Air Toxics Trends Stations – DRAFT Network Assessment – <i>Regi Oommen & Joe Fanjoy, Eastern Research Group & Beth Landis, EPA/OAQPS</i></p> <p>Panel Discussion on NATTS</p> <p><i>Beth Landis, EPA/OAQPS</i> <i>David Shelow, EPA/OAQPS</i> <i>Motria Caudill, EPA/Region 5</i> <i>Regi Oommen, Eastern Research Group</i> <i>Joe Fanjoy, Eastern Research Group</i></p>	<p>8:00am – 9:00am From Monitoring Regulations to National Databases In the first part of this session we will review the definitions and metadata fields in the monitoring regulations and attempt to do a crosswalk of how that information is stored in AQS. This session will include a panel: Joe Delwiche - EPA Region 8 Matt Harper - Puget Sound Clean Air Agency Chris Chapman - EPA OAQPS - AQS team</p> <p>9:00am – 10:00am Automation in Ambient Air Monitoring Networks</p> <p>New AirNow Data Transfer Format: AQCSV – <i>Alan Chan, Sonoma Technologies</i></p> <p>Aethalometer Datamasher Update – <i>George Allen, NESCAUM</i></p>

10:00am – 10:30am BREAK (Refreshments in Exhibit Areas)

10:30am – 12:00pm Technical Sessions

Monitoring Regulation Changes Room – Colorado F <i>Lewis Weinstock, Michael Papp, Richard Payton & Bob Judge</i>	Air Toxics Monitoring Room – Denver I <i>Dave Shelow & George Allen</i>	Tribal Monitoring Room – Colorado G <i>Christopher Lee & Melinda Ronca-Battista</i>
<p><i>This session will be conducted as a brainstorming session intended to identify issues and potential improvements to the current monitoring regulations.</i></p> <p>Please click here for more detailed session information.</p>	<p>Semi-continuous metals monitoring in Ohio industrial communities – <i>Motria Caudill, EPA Region 5</i></p> <p>Odors Associated with Deepwater Horizon Gulf Oil Spill – <i>Doug Jager, EPA/Region 4</i></p> <p>Method Development Studies for Hexavalent Chromium in Ambient Air Samples - <i>Victoria Genther, ERG</i></p> <p>Citizen Science – <i>Dirk Felton, New York State Department of Environmental Conservation & Mazeeda Khan, EPA/Region 2</i></p>	<p>Interactive Discussion of Tribal Monitoring Issues</p>

National Air Quality Conference – Ambient Monitoring 2012
WEDNESDAY, MAY 16, 2012
Technical Sessions (continued)

12:00pm – 1:00pm LUNCH – on your own		
1:00pm – 3:00pm Technical Sessions		
New & Emerging Monitoring Technologies Room – Colorado F Joann Rice & Stephen Hall	Studies in Air Toxics Room – Denver I Barbara Driscoll & Donnette Sturdivant	Quality Assurance Room – Colorado G Dennis Crumpler, Mark Shanis & Yousaf Hameed
<p>Geospatial Monitoring of H₂S and CH₄ – <i>Marta Fuoco, EPA, Region 5</i></p> <p>Long-term assessment of ultrafine particles along major roadways in Las Vegas, Nevada and Detroit, Michigan – <i>Gayle Hagler, EPA/ORD</i></p> <p>Private Unpaved Road Emissions Inventory – A Measurement Solution to an Inventory Question – <i>Robert Baxter, T&B Systems</i></p> <p>Water-based Condensation Particle Counters Comparison Near a Major Freeway w/Significant Heavy Duty Diesel Traffic – <i>Andrea Polidori, South Coast AQMD</i></p> <p>Evaluation of the Magee/TAPI Model 33/633 Next-generation Aethalometer – <i>George Allen, NESCAUM</i></p>	<p>Air Toxics Tools – <i>Barbara Driscoll, EPA/OAQPS</i></p> <p>Ambient Monitoring Mobile Stations – <i>Andrea Polidori, South Coast AQMD</i></p> <p>Air Monitoring Study at Santa Monica Airport – <i>Andrea Polidori, South Coast AQMD</i></p> <p>What is actually emitted from Area Sources: Results of a Special Study of Metals Recyclers – <i>Loren Raun, Houston Dept of Health & Human Services</i></p> <p>Long term trends in ambient 1,3 butadiene in Houston, TX – <i>Alea Bunch, URS</i></p> <p>Understanding Air Toxics and Carbonyl Pollutant Sources in Boulder County, Colorado – <i>Pam Milmoie, Boulder County Public Health</i></p>	<p>Technical Systems Audits - A Partnership Approach – <i>Patrick Rainey, California Air Resources Board</i></p> <p>Evaluating Siting of Air Monitoring Stations – <i>Mathew Plate, EPA Region 9</i></p> <p>2012 Report on the Pb Performance Evaluation Program – <i>Dennis Crumpler, EPA/OAQPS</i></p> <p>A Case Study on Calculating Precision – <i>Jaime Hauser, Eastern Research Group</i></p> <p>12 Year Data Quality Assessment of the PM_{2.5} Monitoring Network – <i>Shelly Eberly, STI Subcontractor</i></p>
3:00pm – 3:30pm BREAK (Refreshments in Exhibit Areas)		
3:30pm – 5:30pm Technical Sessions		
Criteria Pollutant Methods Issues & Updates Room – Colorado F Joann Rice & Mazeeda Khan	PAMS Data Workshop Room – Denver I Kevin Cavender & Andy Johnson	Quality Assurance (Cont) Room – Colorado G
<p>Update on Federal Reference Method Research Activities – <i>Russell Long, EPA/ORD</i></p> <p>Characterization and Development of Methods for Ambient NO₂ – <i>Melinda Beaver, EPA/ORD</i></p> <p>Continuous PM Coarse Monitoring in Texas – <i>Bryan Lambeth, Texas Commission on Environmental Quality</i></p>	<p>Update of Long-term Trends Analysis of Ambient 8-hour Ozone and Precursor Monitoring Data in the South Central U.S – <i>Mark Sather, EPA Region 6</i></p> <p>Effectiveness of PAMS Network Based on 14 years of PAMS Data in San Joaquin Valley – <i>Yousheng Zeng, Providence Engineering</i></p> <p>Uses of Data from PAMS Measurements in the South Coast Basin – <i>Jason Low, South Coast AQMD</i></p>	<p>Simplified QA Transaction for the Reporting of QA Data to AQS – <i>Chris Chapman, EPA/OAQPS</i></p> <p>NCORE: One Year Later – <i>Chris Harrison, Southwest Ohio Air Quality Agency</i></p> <p>Evaluating Data Quality and Performance Characteristics of An Ultrasonic Anemometer vs Propeller Anemometers in Subarctic Western Alaska – <i>Cyrena-Marie Druse, McVehil-Monnett Associates</i></p>

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WEDNESDAY, MAY 16, 2012
(Continued)

3:30pm – 5:30pm Technical Sessions		
Criteria Methods Issues & Updates Room – Colorado F <i>Joann Rice & Mazeeda Khan</i>	PAMS Data Workshop Room – Denver I <i>Kevin Cavender & Andy Johnson</i>	Quality Assurance (Cont) Room – Colorado G
<p>PM_{2.5} Instrument Comparison: FRM vs TEOM, BAM & GRIMM – <i>Cary Gentry, Forsyth County, NC</i></p> <p>ICP-MS Method for Pb and Other Metals in TSP/PM10 – <i>Randy Mercurio, Eastern Research Group</i></p>	<p>Apparent Influence of Wildfires on Ozone Levels in Houston, Texas – <i>Albert Hender, URS Corporation</i></p> <p>Using PAMS Data to Assess Potential Control Strategies to Reduce Ozone – <i>Hilary Hafner, Sonoma Technology, Inc</i></p> <p>Developing Together: A Local PAMS GC Analysis Method and U.S. EPA Regional Performance Evaluation Program – <i>Jason Low, South Coast AQMD</i></p>	<p>How Low Can You Go - Low Level Ozone Calibration – <i>Donovan Rafferty, Washington Dept of Ecology</i></p> <p>Issues and Options for Auditing NOy and CO at N CORE Sites – <i>Mark Shanis, EPA/OAQPS</i></p>

THURSDAY, MAY 17, 2012

7:00am – 8:00am

Refreshments

PLENARY SESSION – Colorado Ballroom F

8:00am – 9:00am	<p>Technical Program Updates</p> <ul style="list-style-type: none"> PM_{2.5}FEM Overview, <i>Tim Hanley, EPA Office of Air Quality Planning & Standards</i> AirNow Tech 2.0 Demonstration, <i>Lewis Weinstock, EPA Office of Air Quality Planning & Standards & Steve Ludewig, Sonoma Technology, Inc.</i> NATTS Network Overview, <i>Beth Landis, EPA Office of Air Quality Planning & Standards</i>
9:00am – 10:00am	<p>PAMS Re-engineering Overview and Panel Discussion</p> <p><i>Kevin Cavender, EPA Office of Air Quality Planning and Standards</i> <i>Donna Kenski, Lake Michigan Air Directors Consortium</i> <i>Jason Low, South Coast Air Quality Management District</i> <i>Mark Sather, EPA Region 6</i> <i>David Krask, Maryland Department of the Environment</i></p>
10:00am – 10:30am	BREAK (Refreshments in Exhibit areas)
10:30am – 11:00am	<p>Sensor Applications/New Technologies</p> <p><i>Richard Wayland, EPA Office of Air Quality Planning & Standards</i> <i>Tim Dye, Sonoma Technology, Inc.</i></p>
11:00am – 12:00pm	<p>Questions & Answers with Monitoring Managers</p> <p><i>Richard Wayland, EPA Office of Air Quality Planning & Standards</i> <i>Lewis Weinstock, EPA Office of Air Quality Planning & Standards</i> <i>Meredith Kurpius, EPA Region 9</i> <i>Richard Payton, EPA Region 8</i> <i>Dick Valentinetti, Vermont Air Pollution Control Division</i> <i>Gordon Pierce, Colorado Department of Public Health & Environment</i> <i>Eric Stevenson, Bay Area Air Quality Management District</i></p>
Thanks for Coming! See you in two years.	