2016 MARAMA Air Quality Monitoring Workshop

December 6-8, 2016

Greenbelt Marriott Hotel
6400 Ivy Lane, Greenbelt, MD 20770
301-441-3700

Workshop Objectives

This workshop will provide an opportunity to interact with and learn from MARAMA member agency monitoring program representatives as well as invited expert speakers and MARAMA air directors.

Participants will share experiences meeting challenges with new air quality monitoring technology, updated data analysis and quality assurance methods, and revised regulatory requirements.

Agenda

Tuesday, December 6, 2016

12:00 – 1:30 **Lunch and Keynote Presentation**

Developing Future Air Quality Observing Strategies
Dr. James Crawford, NASA Langley Research Center

1:30 – 2:30 **Discussion of New Requirements for Enhanced Ozone Monitoring – What's needed in our region?**

Lew Weinstock, EPA, OAQPS
Dave Krask, Maryland DOE
Chuck Turner, Virginia DEQ
Alice Chow, EPA, Region 3

2:30 – 3:10 **Research and Perspectives on Personal Air Sensors**

Preparing for Conversations about Personal Air Sensors
Megan Green, Mecklenburg County Air Quality

Monitoring for Sulfur Dioxide using Sensor Technology
Lori Cherry, North Carolina Department of Environmental Protection

3:10 – 3:30 **Break**

3:30 – 4:30 **The Effect of Changing Emissions on Air Quality**

Joel Dreessen, Air Quality Forecaster, Maryland Department of the Environment

4:30 – 5:00 **Regional Air Quality Analysis**

2016: Ozone Season Review
James Boyle, Maryland Department of the Environment

Dinner is on your own

Wednesday, December 7, 2016

8:30 – 9:30 **Analysis of the Changing Atmosphere**

Anne Thompson, NASA

9:30 – 10:15 **New Tools and Perspectives for Air Quality Forecasting and Analysis**

Amy Huff, Dept. of Meteorology and Atmospheric Science, Penn State University

10:15 - 10:30 **Break**

10:30 – 11:15 **Discussion of Annual Monitoring Network Plans and Resources**

Alice Chow, EPA, Region 3
Dave Krask, Maryland DOE
Nick Lazor, Pennsylvania DEP
Discussion - All

11:15 – 12:00 **How to Approach Problems Using Big Data Sets**

Tim Canty, Atmospheric and Oceanic Science, University of Maryland

12:00 – 1:30 **Lunch and Luncheon Speaker**

NETL's Air Monitoring Program: Efforts to Assess the Impact of Oil and Gas Development on Air Quality
Emily McClain, Oak Ridge Institute for Science and Education (ORISE)

1:30 – 2:15 **EPA Updates**

Region 3 EPA
Alice Chow, Associate Director, Office of Air Monitoring

EPA Office of Air Quality Planning and Standards
Lew Weinstock, Air quality Monitoring Group Leader

Discussion – All

2:15 –2:30 **Break**

2:30 – 3:30 **Discussion of Air Toxics Monitoring**

Darrell Stern, Allegheny County Health Department – Impact of Glass Manufacturing
Lewis Weinstock, EPA, OAQPS – NATTS TAD
Chuck Turner, Virginia DEQ – VA Perspective on NATTS TAD

3:30 – 4:15 **Quality Assurance Topics Including Updating Calibration Ranges and Setting Minimum Detection Limits and Using E-log Books and Information Management**

Kia Hence, EPA, Region 3
Chuck Sarnoski, Delaware NREC
Chuck Turner, Virginia DEQ
Discussion - All

4:15 – 5:00 **New Requirements for Exceptional Event Demonstrations**

Kia Hence, EPA, Region 3

5:00 – 5:15 **IMPROVE Committee Update**

Chuck Turner, Virginia DEQ

Dinner is on your own

Thursday, December 8, 2016

8:30 – 10:15 Roundtable discussion

Nick Lazor and Panel of Air Program Managers

10:15 – 10:45 Break

10:45 – 11:45 Discussion of PM Continuous Monitor Performance

Luis Lim, New Jersey DEP
Brandon Miller and Richard Tun, District of Columbia DOEE
Sean Nolan, Pennsylvania DEP
Lew Weinstock, EPA, OAQPS

11:45 – 11:50 Plans for Technical Exchange Forum for PM Site Operators

Nick Lazor, Chief, Division of Air Monitoring, Pennsylvania DEP

11:50 – 12:00 Wrap up

Next steps, chair for next year, etc.