

2017 MARAMA Air Quality Monitoring Training Workshop

November 1-3, 2017

Radnor Hotel
591 Lancaster Ave., Wayne, PA 19087
610-688-5800

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.

Draft Agenda as of 10/6/2017

Wednesday, November 1, 2017

1:00 – 1:15 **Welcome, review agenda, introductions**

Nick Lazor, PA DEP

1:15 – 2:00 **EPA Region III Update**

Alice Chow, EPA Region III (invited)

Regional Resources, Priorities, & Plans

Discussion

2:00 – 3:00 **Adapting to New QA Requirements**

Kia Hence Long, EPA Region III – topics may include:

Status of QA Handbook

PM2.5 FRM Data Quality Visual Assessment Application

Adding Zero and Span Checks to the AQS Database

Adding Bad checks to AQS

Discussion

3:00 – 3:20 **Break**

3:20 – 3:50 **PM2.5 FEMS: Reliability, Comparability & Costs**

Sean Nolan, PA DEP - presentation & discussion

3:50 – 4:10 **Technical Exchange Forum: Successful First Session & Future Plans**

Nick Lazor, PA DEP – presentation & discussion

4:10 – 4:45 **IMPROVE Committee Update & Discussion**

Chuck Turner, VA DEQ

4:45 – 5:00 **Status Report and Discussion of Plans for Sharing SOPs via MARAMA ShareFile**

MARAMA Training – presentation & discussion

Dinner is on your own

Thursday, November 2, 2017

8:30 – 9:15 **A Review of 2017 Air Quality & a Conceptual Model of Ozone Formation**

Joel Dreessen, MDE

9:15 – 10:00 **EPA OAQPS Updates & Discussion**

Kevin Cavender, OAQPS

EPA OAQPS Priorities, Funding, and Plans

Status of funding for PAMS and enhanced ozone monitoring, schedule for implementation, and required elements

Discussion

10:00 - 10:15 **Break**

10:15 – 12:00 **Meeting New Requirements for Enhanced Ozone Monitoring**

Analyzing PAMS Data from Essex, Maryland

Sandra Roberts, University of Maryland College Park

Ozone Water Land Environmental Transition Study: Example measurements in an attempt to provide a 4-D view of ozone in a coastal region

Timothy Berkoff, NASA

The Do's and Don'ts of PAMS Monitoring, and Transition to the Enhanced Ozone Monitoring Network: Panel discussion/presentations

Howard Smith, Philadelphia AMS; Luis Lim, NJ DE; Dave Krask, MDE

Discussion - All

12:00 – 1:45 **Lunch and Luncheon Speaker**

PM2.5 and Water-Soluble Organic Carbon

Chris Hennigan, University of Maryland Baltimore County

1:45 – 2:00 **Break**

2:00 – 3:00 **Experiences with SO₂ Monitoring and the Data Requirements Rule**

Panel Discussion/presentations: Chuck Turner, VA DEQ, Nick Lazor, PA DEP, Dave Krask, MDE

3:00 – 3:30 **Break**

3:30 – 5:00 **Roundtable discussion**

Monitoring program leads from each member agency

Dinner is on your own unless you are an Air Director or representing your Air Director at the MARAMA Board Meeting.

* * * * *

MARAMA Air Directors dinner and business meeting 6:30 PM – 9 PM.

Friday, November 3, 2017

8:00 – 9:00 Updates on Exceptional Event Demonstrations – Presentations & Discussion

Kia Hence Long, EPA Region 3

Luis Lim, NJ DEP

Joel Dreessen, MDE

Sean Nolan, PA DEP

9:00 – 10:30 The Uses of Non-Routine Data

Models of Volunteer Monitoring and Building Community Response Capacity

Dr. Candie Wilderman, Dickinson College, Alliance for Aquatic Resource Monitoring

Philadelphia's Air Quality Monitoring Survey Project

Dr. Kassahun Sellassie, Philadelphia Air Management Services

Assessing Ambient Levels and Personal Exposures in Baltimore: the SEARCH Project

Dr. Misti Levy Zamora, Johns Hopkins Bloomberg School of Public Health

Dr. Benjamin F. Hobbs, Johns Hopkins University

10:30 – 10:45 Break & Check Out

10:45 – 11:45 Integration of Satellite Data with Surface Data for Air Quality Mapping & Analysis

Dr. Amy Huff, Pennsylvania State University

11:45 – 12:00 Wrap up and adjourn

Next steps, chair for next year, complete program evaluation forms, etc.

Remember to turn in your evaluation form

Have a safe trip home!

* * * * *

12:30 – 3:00 MARAMA Board luncheon and business meeting for Board members or their representatives