

2018 MARAMA Air Quality Monitoring Training Workshop

December 4-6, 2018

Omni Hotel
212 Ridge McIntire, Charlottesville, VA
434-971-5500

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 11.5.18

Tuesday, December 4, 2018

- 1:00 – 1:05 **Welcome** (*MARAMA, Charles Turner & Dave Krask, MDE*)
- 1:05 – 3:00 **Monitoring Quality Assurance Training – APTI 470**
Sessions 3, 5 and 7 (*Stephanie McCarthy, EPA Region 4*)
- 3:00 – 3:30 **Break**
- 3:30 – 5:30 **Monitoring Quality Assurance Training – APTI 470**
Sessions 3, 5 and 7 (*Stephanie McCarthy, EPA Region 4*)

Dinner is on your own.

Wednesday, December 5, 2018

- 8:00 – 8:15 **Welcome, Review Agenda, Introductions** (*Dave Krask, MDE & Chuck Turner, VA DEQ*)
- 8:15 – 8:45 **EPA Region III Update** (*Alice Chow, EPA Region III*)
Regional Resources, Priorities, & Plans
Discussion
- 8:45 – 9:30 **EPA OAQPS Updates & Discussion** (*Lew Weinstock, EPA OAQPS*)
EPA OAQPS Priorities, Funding, and Plans
Status of funding for PAMS and enhanced ozone monitoring, schedule for implementation, and required elements
Discussion
- 9:30 – 9:50 **IMPROVE Committee Update** (*Chuck Turner, VA DEQ*)
- 9:50 – 10:10 **Break**

Low Cost Sensors

- 10:10 – 10:30 Air Sensors International Conference Overview and Highlights (*Ram Tangirala, DDOE*)
- 10:30 – 10:50 Baltimore Open Air (*Dr. Anna Scott, Troposphere*)
- 10:50 – 11:10 Citizen Based Monitoring (*Jason Gu, Carnegie Melon, Invited*)
- 11:10 – 11:30 AQ Management Systems: Evaluating Sensor Quality (*Gayle Hagler, EPA*)
- 11:30 – 12:00 Panel Discussion
State Representatives (Nick Lazor, PA DEP, Dave Krask, MDE, Ram Tangirala, DOEE & Ed Braun, Phila AMS)
- 12:00 - 1:30 **Lunch and Lunchtime Speaker**
Heat Island Effect on Air Quality in Mid-Atlantic (*Dr. Jeremy Hoffman, Science Museum of Virginia*)

Quality Assurance

- 1:30 – 1:50 Allegheny Co Internal Audits (*Dan Nadzam, ACHD*)
- 1:50 – 2:10 TSA Guidance (*Stephanie McCarthy, EPA Region 4*)
- 2:10 – 2:30 Panel Discussion
Session presenters (ACHD, EPA Region 4)
Kia Hence, EPA Region 3
Sean Nolan, PA DEP
Joette Steger, NC DAQ

Experiences with SO₂ Monitoring and the Data Requirements Rule

- 2:30 – 2:45 National Overview (*Nealson Watkins, EPA*)
- 2:45 – 3:15 DRR Monitors: Update on Status and Data (*Chuck Turner, VA DEQ, Nick Lazor, PA DEP & Dave Krask, MDE*)
- 3:15 – 3:30 Panel Discussion
Session presenters (EPA, VA, PA, MD)
Elizabeth Gaige, EPA
Daniel Thoma, NC DAQ

3:30 – 3:50 **Break**

PAMS Sites

- 3:50 – 4:10 Evaluating Ceilometers for PAMS (*Dr. Ruben Delgado, UMBC*)

- 4:10 – 4:50 PAMS Early Adopters: Getting a PAMS Site Up and Running, Advantages and Disadvantages of Markes-Agilent vs CAS GC (*Chuck Turner, VA DEQ & Chuck Sarnoski, DNREC*)
- 4:50 – 5:40 Panel Discussion - QA at a PAMS Site
Chuck Turner, VA DEQ
Chuck Sarnoski, DNREC
Luis Lim, NJ DEP
Ed Braun, Phila AMS
Dan Nadzam, ACHD

Dinner is on your own. MARAMA Board Dinner Meeting from 6:30 PM – 9:00 PM for Air Director or Air Director Representative.

Thursday, December 6, 2018

National Air Toxics Trends Sites - TAD, Cans, Carbonyls

- 8:00 – 8:30 Overview of NATTS Program and Virginia Site (*Chuck Turner, VA DEQ*)
- 8:30 – 9:00 Pennsylvania Site Overview and Experience (*Christine Robbins, PA DEP*)

Air Quality Special Studies / Enhanced Monitoring

- 9:00 – 9:30 OWLETS2 Study (*Joel Dreesen, MDE*)
- 9:30 – 10:00 LISTOS Study (*Paul Miller, NESCAUM*)
- 10:00 – 10:20 **Break**
- 10:20 – 11:20 **Roundtable Discussion**
 Monitoring program leads from each member agency
- 11:20 – 11:30 **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!

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- 12:30 – 2:30 **MARAMA Board Luncheon and Business Meeting for Air Director or Air Director Representative and MARAMA staff**