

**Agenda**  
**Special NADP Planning Meeting**  
**for the MDN Atmospheric Mercury and Dry Deposition Initiative**

April 9-10, 2007

Wyndham Hotel, Burlington, Vermont

Call in # 8662993188 Conference Code: 2023439255

Organized by the NADP Steering Committee  
(David Gay (217/244-0462), Eric Prestbo, Martin Risch, David Schmeltz, Tim Sharac)

The purposes of the meeting are to provide information, gather input, and promote involvement of people interested in this NADP-MDN initiative. Presentations and discussion are intended to facilitate information exchange and dialogue between mercury scientists and air quality personnel from state and local governments, tribes, academic institutions, and private organizations.

**Monday, April 9, 2007 (Lake Champlain B Room)**

**Session 1: Welcome and preview of special meeting**

- 6:30 PM Overview of the Atmospheric Mercury and Dry Deposition Initiative
- 7:00 Informal discussions with Steering Committee and other attendees
- 8:00 End of opening session

**Tuesday, April 10, 2007 (Lake Champlain B Room)**

**Session 2: NADP-MDN Atmospheric Initiative**

**Concepts, Initial Plans, Process, and Progress**

- 8:00 AM Overview of the Proposed Network (David Schmeltz, David Gay)
- 8:30 Transition Network (Eric Prestbo, Marty Risch)
- 8.45 Standard Operating Procedures for Automated System (Eric Prestbo)
- 9:15 Quality Assurance Project Plan (Marty Risch)
- 9:30 Data Management Procedures and Data Base (David Gay)
- 9:45 Monitoring Locations and Siting Criteria (Marty Risch, David Schmeltz)
- 10:00 Break (refreshments)
- Overview/demo of Manual Sampling System (Marty Risch)

**Session 3: Lessons Learned from Operating Atmospheric Mercury Monitoring Stations** (see topical outline on next page)

- 10:30 State Perspective: Dirk Felton, New York Department of Environmental Conservation
- 10:45 Academic Perspective: Gary Conley, Ohio University
- 11:00 Research Perspective: Eric Miller, ERG
- 11:30 Discussion of Lessons Learned (panel of presenters and Steering Committee)
- 12:00 PM Box lunch (provided) Additional Discussion (on any and all topics)

## Tuesday, April 10, 2007 (Lake Champlain B Room) -- Continued

### Session 4: Field Trip (transportation provided)

- 1:00 Optional Trip to Procter Maple Research Center (PMRC)
- 2:00 Bus arrives at Air Quality Monitoring Site
- 2:05 State operations – IMPROVE, ozone, sulfur dioxide, air toxics (Rich Poirot, Planning Section, Vermont Air Pollution Control Division/Ben Whitney, Air Monitoring Section, Vermont Air Pollution Control Division)
- 2:20 UV-B, acid-rain monitoring and MDN VT99, Vermont Monitoring Cooperative (Mim Pendleton, PMRC, UVM/Sean Lawson, Acting Exec. Director, VMC)
- 2:35 Mercury wet deposition QA experiment (Eric Miller, ERG/Mim Pendleton)
- 2:45 Automated atmospheric mercury speciation (Eric Miller/Mim Pendleton)
- 3:05 Walk to forest canopy tower
- 3:15 Gas-phase mercury exchange with forest canopy (Eric Miller/Mim Pendleton)
- 3:30 Walk to sugarhouse
- 3:30 Maple Sugar Research (Tim Perkins, Director, PMRC)
- 4:00 End of tour and thanks to our hosts and guides!

### Topical Outline for Lessons Learned Session

1. What are your Hg monitoring goals/objectives? How are you using your data?
2. What are your concerns regarding your Hg monitoring goals/objectives compared with a national monitoring network?
3. What are your major challenges in operating and maintaining your atmospheric mercury monitoring station(s)?
4. How much does it cost to operate your station? Can you quantify costs for personnel and non-personnel? Do you have continued funding for your monitoring?
5. How do you obtain data from your monitoring system—what is your mode of data transmission?
6. Do you support the idea of an on-line central data archive for the network? Do you have quality-assured, historical data that you will add to a central data archive?
7. What have you learned about the location and siting of a monitoring station?
8. What contribution do you think you can make to this effort for a national monitoring network?
9. Do you have daily access to your station? If not, is this due to distance, or increased costs, or personnel limitations, or other reasons?
10. Do you have a quality assurance and/or quality control protocol that you would be willing to share?
11. Which types of ancillary measurements do you record at your station?
  - a. How often are these measurements collected?
  - b. How do you store and transfer these data?