

**MANE-VU 2009 Science Meeting
Total Reactive Nitrogen:
Regional Haze Impacts and Mitigation Options**

Pier Five Hotel
Baltimore, MD 21202
July 28-29, 2009

Agenda

Tuesday, July 28	Harbor Rooms D & E
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- 9:30 am REGISTRATION**

- 10:00 am Welcome – *Tad Aburn, MDE Air Director***

- 10:15 am Keynote Speaker: Overview of Reactive Nitrogen in the Atmosphere,
and Draft Overarching Recommendations of the EPA Integrated
Nitrogen Committee**
Russell Dickerson, University of Maryland

- 11:15 am The Importance of Ammonia in Modeling Atmospheric Transport and
Deposition of Air Pollution**
Robin Dennis, EPA NERL

- 11:45 am LUNCH ON YOUR OWN**

- 1:00 pm Considerations on Combined NO_x-SO_x Secondary National Ambient Air
Quality Standards**
Ted Russell, Georgia Institute of Technology

- 1:45 pm Ammonia Monitoring Efforts Supported by EPA's Clean Air Markets
Division (CAMD) and Office of Air Quality Planning and Standards
(OAQPS)**
Melissa Rury, EPA Clean Air Markets Division

- 2:15 pm Data Needs and Measurement Methods for Ammonia and Reactive
Nitrogen Species: Atmospheric Nitrogen, from A to Z**
George Allen, NESCAUM

- 2:45 pm BREAK**

- 3:15 pm Quantifying Emissions of Ammonia for Air Quality Analysis**
Viney Aneja, North Carolina State University

- 4:00 pm Ammonia Emissions Estimation for Modeling—Current Practice**
Julie McDill, MARAMA

- 4:30 pm EPA's 2008 Ammonia Inventory**
Roy Huntley, EPA OAQPS

- 5:00 pm ADJOURN**

Wednesday, July 29, 2009 Harbor Rooms D & E

- 8:30 am REGISTRATION AND COFFEE**
- 9:00 am Characterization of the Winter Midwestern and Northeastern Particulate Nitrate Bulge**
Rich Poirot, Vermont DEC
- 9:30 am The LADCO Winter Nitrate Study, January-March 2009**
Donna Kenski, LADCO
- 10:00 am BREAK**
- 10:30 am Federal Support for Research on Air Quality Impacts of Agriculture**
Raymond Knighton, USDA Cooperative State Research, Education & Extension Service
- 11:00 am State of North Carolina Approach to Managing Ammonia Emissions**
Gary Saunders, North Carolina DENR
- 11:30 am Colorado MOU to Reduce the Impacts of Nitrogen on Class I Areas**
John Vimont, National Park Service
- 12:00 noon WORKING LUNCH – Harbor Club**
Speaker: Calculating Your Household’s Nitrogen Footprint
Beth McGee, Chesapeake Bay Foundation
- 1:30 pm Valuation and Policy Options, Including Consideration of the Potential Use of Ammonia Emissions Reductions as Emissions Offsets**
Dallas Burtraw, Resources for the Future
- 2:00 pm Next Steps – Discussion of Options for the Region – Closing Comments**
Panel Discussion:
Susan Wierman, MARAMA - Moderator
Julie McDill, MARAMA
George Allen, NESCAUM
Raymond Knighton, USDA
Viney Aneja, NC State University
Rich Poirot, Vermont DEC
Russell Dickerson, U of Maryland
- 3:30 pm ADJOURN**