

Goals – Panel Discussion

The panel discussion will be an opportunity for the facilitator and the session chairs to summarise the major findings of the sessions, to identify practical opportunities for near term transboundary collaboration in monitoring and modeling, particularly the integration of satellite data into these programs.

Techniques for improved air quality forecasting and communication strategies between agencies and the public will also be reconsidered and reinforced.

The First Clean Areas/Prevention of Significant Deterioration Workshop held in Vancouver in February 2004 reviewed the Canadian and United States approaches to these two goals in detail, along with many of the associated scientific issues.

This second event will explore the status of several of the recommendations from the first workshop, with emphasis on the modelling of large scale fine particulate and ozone events and the status of fine particulate monitoring programs and co-location opportunities. The use of remote sensing as a tool in air quality applications will be explored. In addition, recent developments in air quality indices and forecasting, and their role in effectively communicating information on air quality to the public, will be examined.

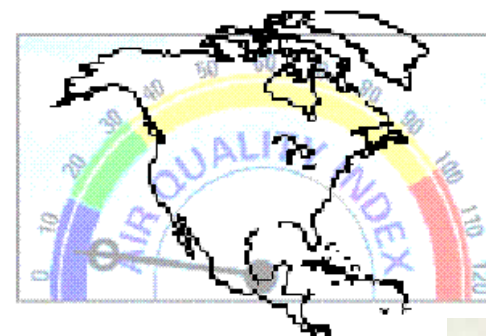
Contact:

John McDonald, P. Eng
Secretary, International Air Quality Advisory Board
International Joint Commission
519-257-6712
mcdonaldj@windsor.ijc.org

DRAFT March 7 2005

Beyond Keeping Clean Areas Clean and Prevention of Significant Deterioration: Exploring Collaborative Opportunities in Air Quality Monitoring, Modelling and Communication

**David Skaggs Research Center
National Oceanic and Atmospheric Agency Building
325 Broadway, Boulder, Colorado**



March 22 and 23, 2005

- **International Air Quality Advisory Board,
International Joint Commission**
 - **Environment Canada**
- **National Oceanic and Atmospheric Agency**



**Environnement
Canada**

**Environment
Canada**

Tuesday March 22, 2005

Facilitator: Jill Engel-Cox, Battelle Memorial Institute

- 8:30 am** **1.0 Welcome and Introductions**
- Ann McMillan, IAQAB/Jill Engel-Cox, Battelle Memorial Institute
- 8:50 am** **2.0 Update and Progress since 1st KCAC/PSD Workshop, Feb 23-24, 2004**
Session Chair: Kathy Tonnessen, US National Park Service
- 8:55 am** 2.1 Summary of Main Findings from 1st KCAC/PSD
- Ann McMillan, Environment Canada
- 9:15 am** 2.2 Development of Canada's National Guidance Document on Continuous Improvement and Keeping Clean Areas Clean
- Peggy Farnsworth, Environment Canada
- 9:40 am** 2.3 Update on Co-operative Initiatives: Co-location of Fine Particulate Monitors
- Marc Pitchford, NOAA
- 10:05 am** Question and Answers
- 10:15 am** **BREAK**
- 10:30 am** **3.0 Use of Remote Sensing Techniques in Monitoring and Modelling of Continental and Global Transport of Fine Particulates and Ozone**
Session Chair: Rich Poirot, Vermont Agency of Natural Resources
- 10:35 am** 3.1 International Consortium for Atmospheric Research on Transport and Transformation (ICARTT) - an Overview
- Jim Meagher, NOAA
- 11:00 am** 3.2 Infusing satellite Data into Environmental Applications (IDEA) program
- Jim Szykman, US EPA

- 11:25 am** 3.3 The Use of Remote Sensing for Air Quality Forecasting
- Ray Hoff, University of Maryland, Baltimore Co
- 11:50 am** 3.4 Event-based Modelling
- Louis-Philippe Crevier/Keith Puckett, Environment Canada
- 12:15 pm** Questions and Answers
- 12:25 pm** **LUNCH**
- 1:30 pm** **4.0 Review of U.S. and Canadian Fine PM Networks and Transboundary Applications**
Session Chair: Marc Pitchford, NOAA
- 1:35 pm** 4.1 Update on Evolution of National Fine PM Monitoring Networks
- Tom Dann, Environment Canada
- Rich Scheffe, US EPA
- 2:25 pm** 4.2 Scientific Approaches
4.2.1 Source Attribution Modelling under the US IMPROVE Program
- Tom Moore, Western Regional Air Partnership
- 2:50 pm** **BREAK**
- 3:05 pm** 4.2.2 IMPROVE and the Regional Haze Rule – Further Developments
- Bill Malm, US National Park Service
- 3:30 pm** 4.2.3 Transboundary PM Transport in Mid-Continent North America
- Bill Hume, Environment Canada
- 3:55 pm** Questions and Answers/Closing
- 4:15 pm** **END OF DAY ONE**

Wednesday March 23, 2005

- 9:00 am** **5.0 Development and Communication of Information on Air Quality**
Session Chair: Randy Piercey, Dept. of Environment and Local Government, New Brunswick
- 9:05 am** 5.1 National Approaches to AQ Forecasting
5.1.1 NOAA-EPA National Air Quality Forecast Capability: Initial Implementation, Progress and Plans
- Paula Davidson, NOAA
- 9:30 am** 5.1.2 Canada's National Air Quality Forecast Program
- Mike Howe, Environment Canada
- 10:00 am** 5.2 Health-based National Air Quality Indices
- Phil Blagden, Environment Canada
- 10:30 am** **BREAK**
- 10:45 am** 5.3 Ontario's Experiences with Air Quality Indices, Outreach and Communication
- Ellen Vansteenburgh/Dave Yap, Ontario MOE
- 11:25 am** 5.4 Ozone Health Advisory and Webcams
- John Ray, US National Park Service
- 11:45 am** Questions and Answers
- 12 noon** **LUNCH**
- 1:15 pm** **6.0 Moving Forward – Panel Session – Jill Engel-Cox - Kathy Tonnessen, Rich Poirot, Marc Pitchford, Randy Piercey, Ann McMillan, Tom Dann and Keith Puckett**

Please refer overleaf for the goals of the Panel Discussion
- 3:15 pm** **7.0 Closing Remarks**
- 3:45 pm** **ADJOURN**