



U.S. EPA's 2004 National Air Quality Conference:
❖ Your Forecast To Breathe By ❖

February 22–25, 2004
 Marriott Baltimore Inner Harbor Hotel—Baltimore, MD

Registration Form (Please print legibly)

NOTE: You may also register online at www.epa.gov/airnow/index.html (click on the conference title to arrive at the conference registration page) or fax the completed form to ERG at 781-674-2906, or mail it to ERG, ATTN: NAQConference, 110 Hartwell Avenue, Lexington, MA 02421.

First Name _____ MI _____ Last Name _____

Title _____ Branch _____ Division _____

Company/Organization _____

Address Line 1 _____ Mail Code _____

Address Line 2 _____

City _____ State/Province _____ Postal Code _____

Country (if other than USA) _____

Phone Number () _____

(Include country and city code if attending from outside USA)

Fax Number() _____

E-mail _____

(Required to confirm your registration)

Please check your affiliation:

Federal Government State Environmental Agency State/Local Air Pollution Organization Industry Consulting

Other _____

Check all that apply:

Attendee Speaker Session Chair Exhibitor

ADA: Check here if you have special needs and require auxiliary aids and/or services to fully participate in this conference. An ERG representative will contact you.

Sunday, February 22, 2004 OPTIONAL SHORT COURSES

Concurrent Morning Sessions

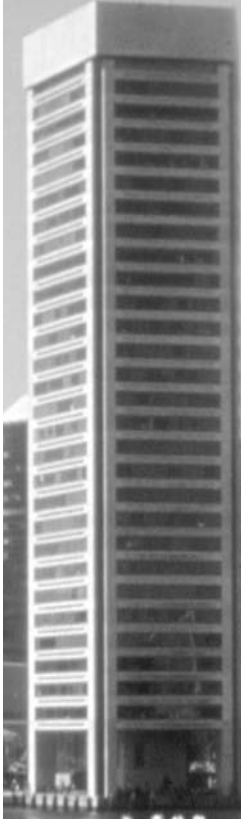
Meteorology/Air Quality 101: What Is Weather and How Does It Affect Air Quality, 9:00am–12:00 Noon—Special Guest Instructor: Dr. Jon Nese, The Weather Channel; Instructor: Tim Dye, Sonoma Technologies, Inc.

Advanced Air Quality Forecasting Topics, Sunday, 9:00am–12 Noon—Instructors: Clinton MacDonald, Sonoma Technology, Inc.; Joe Cassmassi, South Coast Air Quality Management District; Bill Ryan, Pennsylvania State University; Lew Weinstock, Forsyth County, North Carolina

Afternoon Sessions

Applied Air Quality Forecasting—Part 1, 1:30pm–2:30pm—Instructors: Mike Gilroy, Puget Sound Clean Air Agency; Clinton MacDonald, Sonoma Technology, Inc.

Applied Air Quality Forecasting—Part 2, 3:00pm–5:00pm—Moderator: Tim Dye, Sonoma Technology, Inc.





HOTEL RESERVATIONS

Marriott Baltimore Inner Harbor Hotel
110 South Eutaw Street, Baltimore, Maryland 21201
Reservations: Phone: (410) 962-0202 or (800)228-9290

A block of rooms is on hold for conference attendees at the group rate of \$139.00, plus applicable state and local taxes (currently 12.5%), per day per room (or the current federal per diem rate in effect at the time of check in). Government employees with proper I.D. and forms will be eligible for tax exemption. To place a reservation, call the hotel directly at 410-962-0202 and ask for the Reservations Department, or call Marriott Worldwide Reservations at 1-800-228-9290. Be sure to refer to the EPA National Air Quality Conference room block to obtain the conference rate. All reservations for arrival after 6:00pm must be accompanied by a first night room deposit or guaranteed with a major credit card. The hotel will not hold any reservations unless they are secured by one of the above methods. Reservations by attendees must be received on or before **Monday, January 26, 2004**, the room block "cut-off date." After the cut-off date, the hotel will release the unreserved rooms for general sale, and determine whether or not it can accept reservations based on a space- and rate-available basis at the group rate.

EXHIBITOR AND SPONSORSHIP OPPORTUNITIES

Exhibitor Information

Please contact me regarding exhibiting at the conference. Exhibitors will spend two days interfacing with attendees. Exhibits will be open Monday, February 23, and Tuesday, February 24, for a total of six scheduled conference breaks in the exhibit area, as well as a reception/exhibit hour on Monday evening. Exhibit space is limited and preference will be given to sponsors and federal, state, and local government groups. Available space will be assigned on a first-come, first-served basis. Booth space can easily accommodate tabletop exhibits. Please contact ERG if you have other needs.

Sponsorship Opportunities

Please contact me regarding sponsorship for conference events. Increase your exposure to meeting attendees and your prestige by becoming a sponsor of the 2004 National Air Quality Conference.

Platinum Level \$2,500

- Special recognition/signage at Monday evening reception
- Signage at event where applicable
- On-stage recognition when applicable
- Link on the conference registration Web site
- Logo/name recognition in the final conference program

Gold Level \$1,750

- Signage at event where applicable
- On-stage recognition when applicable
- Link on the conference registration Web site
- Logo/name recognition in the final conference program

Silver Level \$1,250

- Signage at event where applicable
- On-stage recognition when applicable
- Link on the conference Web site

Bronze Level \$750

- Signage at event where applicable
- Link on the conference registration Web site



USEPA's 2004 National Air Quality Conference
c/o ERG
110 Hartwell Avenue
Lexington, MA 02421



U.S. EPA's 2004 National Air Quality Conference
❖ **Your Forecast to Breathe By** ❖

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Marriott Baltimore Inner Harbor Hotel—Baltimore, MD



U.S. EPA's 2004 National Air Quality Conference: ❖ Your Forecast To Breathe By ❖

February 22–25, 2004

Marriott Baltimore Inner Harbor Hotel—Baltimore, MD

Why You Should Attend:

- Find out about real-time monitoring and mapping of particle pollution
- Hear the latest on air quality forecasting techniques and tools
- Share ideas for incorporating particle pollution into your successful ozone program
- Hear success stories from air quality action programs
- Discuss media outreach opportunities
- Find out about innovative state programs

Program Overview

EPA's National Air Quality Conference provides a unique opportunity to learn the latest information on fine particle monitoring and mapping, air quality forecasting, the Air Quality Index (AQI) and your health, and innovative outreach programs. This year's conference will have a special emphasis on year-round forecasting, mapping, and outreach activities.

Baltimore Conference Highlights

- Sunday will feature several optional short courses, including topics for newcomers to air quality and meteorology as well as experienced air quality forecasters.
- Exhibits will be featured during Monday and Tuesday.
- A reception and exhibitor social hour will be held on Monday evening.
- Monday's program includes presentations on air quality and health, as well as dealing with the media.
- Tuesday's programs include concurrent tracks focusing on outreach and technical issues.
- Wednesday's programs will feature an interactive session on difficult questions all programs must face, as well as a discussion of the future of the AIRNow program.

Who Should Attend?

- Federal agencies
- State and local air pollution organizations (technical and outreach)
- Metro planning groups
- Environmental groups
- Industries

Registration Information

Online registration is available at the conference registration page: www.epa.gov/airnow/index.html. Scroll to the bottom of the page and click on the conference title. You may also use the enclosed registration form. The conference registration Web page includes information on the hotel, reservations, exhibitor and sponsorship opportunities, ground transportation options, and driving directions.

Americans with Disabilities Act (ADA)

EPA and its contractors support the ADA. Attendees requiring specific equipment or services should contact the ERG registrar at 781-674-7374 to discuss their needs. ERG will make every reasonable effort to accommodate these requirements.

Conference Resource Area

Representatives from state and local agencies who are attending the conference are invited to bring handouts to distribute at the Conference Resource Area. The Resource Area is not designed to accommodate exhibits, but rather to provide a space for fact sheets, brochures, or similar printed material.



Courtesy of BACVA and Richard Nowitz



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Sponsorship Opportunities

Increase your exposure to meeting attendees and your prestige by signing up as a conference sponsor.

If you are interested in becoming a sponsor, check the box on the registration form and someone from ERG, EPA's contractor, will contact you. Or call ERG directly at 781-674-7272 and ask for the Air Quality Conference Exhibits Coordinator, Deb Tanis. You may also obtain sponsorship information on the conference Web page at www.epa.gov/AIRNow/index.html

Each sponsor will be recognized verbally during sessions, via signage, and in the conference final program.

Sponsorship Levels

\$2,500 Platinum
\$1,750 Gold
\$1,250 Silver
\$750 Bronze

Sponsors
Confirmed to Date:



Rupprecht & Patishnik

Battelle

The Business of Innovation
Battelle

STI

Sonoma Technology, Inc.
Sonoma



AWMA

DR DAS
data acquisition systems
DR DAS



PA Ozone Partnerships

Preliminary Agenda

SUNDAY FEBRUARY 22ND: *Optional Short Courses*

9:00am–12:00pm

Meteorology/Air Quality 101: What Is Weather and How Does It Affect Air Quality; Special Guest Instructor: Dr. Jon Nese, The Weather Channel; Instructor: Tim Dye, Sonoma Technologies, Inc.

This session is geared toward non-meteorologists who are responsible for outreach activities or air quality forecasts. Materials will be presented in an informal setting and without the use of technical jargon. The course will provide a primer on how common meteorological features affect local air quality. Weather patterns that are generally conducive to poor air quality will be identified and discussed. The goals of the course are to allow those without meteorological experience to consider implementation of a basic air quality forecasting program, and to provide a technical foundation for outreach staff who need to explain how weather affects air quality.

Sunday, 9:00am–12:00pm

Advanced Air Quality Forecasting Topics; Instructors: Clinton MacDonald, Sonoma Technology, Inc.; Joe Cassmassi, South Coast Air Quality Management District; Bill Ryan, Pennsylvania State University; and Lew Weinstock, Forsyth County, North Carolina

This session is aimed at meteorologists with several years' experience in issuing air quality forecasts. Some of the latest advances in air quality forecasting will be discussed, including the use, development, and evaluation of new statistical tools designed to forecast next-day PM and ozone levels. The goal of the course is to provide continuing education on the latest techniques available for the development of accurate air quality forecasts.

12:00pm–1:30pm BREAK

Afternoon Sessions

1:30pm–2:30pm

Applied Air Quality Forecasting—Part 1

Instructors: Mike Gilroy, Puget Sound Clean Air Agency; Clinton MacDonald, Sonoma Technology, Inc.

This session will demonstrate the use of available forecasting products and software to generate an actual, real-time air quality forecast.

2:30pm–3:00pm BREAK

3:00pm–5:00pm

Applied Air Quality Forecasting—Part 2

Moderator: Tim Dye, Sonoma Technology, Inc.

This session will feature a variety of experienced air quality forecasters sharing specific air quality case studies that influenced the manner in which future forecasting was conducted. The session will conclude with the annual forecasting contest—with prizes!

MONDAY FEBRUARY 23RD

8:00am–9:00am Morning Refreshments

8:15am–8:45am Real Time Demonstration of Air Quality "FORECASTER" Software

9:00am–9:30am

Welcome, Introductions, and Overview

- Chet Wayland, AIRNow Program Director
Office of Air Quality Planning and Standards, U.S. EPA
- Welcome to Baltimore (Speaker To Be Determined)

9:30am–10:00am

Air Pollution and Public Health: A Look Ahead

Moderator: Susan Stone, U.S. EPA

- Why Do We Color the Days?
Janice Nolen, Director of National Policy, American Lung Association

10:00am–10:15am BREAK

10:15am–11:00am

Air Pollution and Public Health: A Look Ahead (continued)

Moderator: Susan Stone, U.S. EPA

- Air Pollution Health Effects: What We Know and What We Think We Know
Robert Devlin, U.S. EPA

11:00am–11:30am

Keynote Address

- Jeffrey Holmstead, Assistant Administrator
Office of Air and Radiation, U.S. EPA

11:30am–1:00pm LUNCH (on your own)

1:00pm–3:00pm

Reporting the Air Quality Story: What Works

Moderator: Alison Davis, U.S. EPA

- New Products From The Weather Channel
Jen Carfagno, The Weather Channel
- Air Quality and USA Today
Dave Merrill, USA Today
- Local Media—How To Get Air Quality on Air and In Print
Howard Libit, The Sun, Baltimore; Lexy Hickok, ABC-2 Baltimore

3:00pm–3:30pm BREAK

3:30pm–5:00pm

Navigating the Media Minefield

Instructor: Bobbie Lawrie, Craddock Communications, Inc.

5:00pm–5:30pm BREAK

5:30pm–7:00pm

Reception, Exhibits, and Forecasting Poster Session

Concurrent Morning Sessions

Afternoon Sessions

TUESDAY FEBRUARY 24TH

7:00am–8:00am Morning Refreshments

7:15am–8:00am

Demonstration: Data Made Easy With AIRNow Tech

8:00am–10:00am

Technical Track: PM_{2.5} Mapping

Moderator: John E. White, U.S. EPA

- Overview of PM_{2.5} Mapping Effort
John E. White, U.S. EPA
- Evaluation of PM_{2.5} Surrogate Methods
Nancy McMillan, Battelle
- Incorporating ASOS Data in PM_{2.5} Mapping
Tami Funk, Sonoma Technology, Inc.
- AIRNow Issues and Products
Craig Anderson, Sonoma Technology, Inc.
- Next Steps: Exploring PM_{2.5} Contour Maps
Speaker To Be Determined

8:00am–9:00am

Outreach Track: Communications and Air Pollution Emergencies

Moderator: Laura DeGuire, Michigan Department of Air Quality

- Southern California Wild Fires
Joe Cassmasi, South Coast Air Pollution Control District
- Houston Purple Ozone Forecast Days
Speaker To Be Determined

9:00am–10:00am

Outreach Track: Partnering With the Health Community

Moderator: Debbie Stackhouse, U.S. EPA

- Experiences in the North Carolina Triad Region
Lorelei Elkins, North Carolina Division of Air Quality
- Working With Respiratory Patients
Representative of the Northwest Hospital Center

10:00am–10:30am BREAK

10:30am–11:30am

Technical Track: Air Quality Monitoring

Moderator/Speaker: Tim Hanley, U.S. EPA

- Discussion of the "State of the Science" for Continuous PM Monitors

10:30am–11:30am

Outreach Track: Translating Technical Tools for Real World Messages

Moderator: Randy Mosier, Maryland Department of the Environment

- Using Haze Cam To Explain Air Quality Messages
Jim Renfro, National Park Service (Invited)
- Understanding Real Time PM Data and Maps
Speaker To Be Determined

11:30pm–1:00pm LUNCH (on your own)

1:00pm–3:00pm

Technical Track: Air Quality Forecasting

Moderator: Pat Dolwick, U.S. EPA

- NOAA Air Quality Forecast Model
Paula Davidson, NOAA
- Evaluation of NOAA Forecast Model: Summer 2003
Brian Eder, NOAA
- Use of Satellite Data in Air Quality Forecasting
Jim Szykman, NASA
- Development of CART Tools for MARAMA Regions
Sharon Douglas, Systems Applications International, Inc.

1:00pm–3:00pm

Outreach Track: Things That Work!

Moderator: Lorelei Elkins, North Carolina Division of Air Quality

- AirShare.info Demonstration and Discussion
Kerry Shearer, Sacramento Metropolitan AQMD
- Atlanta's Clean Air Campaign
Ellen Macht, The Clean Air Campaign
- Best Workplaces for Commuters Program
U.S. EPA/OTAQ, Speaker To Be Determined
- Experiences in Pennsylvania
Ann Meyers, Consultant, Pennsylvania Ozone Action Partners, and John Repetz, Pennsylvania Department of Environmental Protection

3:00pm–3:30pm BREAK

3:30pm–5:30pm

Technical Track: Air Quality Forecasting (continued)

Moderator: George Bridgers, North Carolina Division of Air Quality

- Air Quality Forecasting in Los Angeles During the October Wildfires
Joe Cassmasi, South Coast AQMD
- Trial By Fire In San Diego-Bill Brick, San Diego County APCD
- Overview of Atlanta Forecasting Program
Bill Murphy, Georgia Department of Natural Resources
- Forecasting Air Quality Over the Greater Montreal Area During Winter, Jacques Rousseau, Environment Canada

3:30pm–4:30pm

Outreach Track: Doing More With Less

Moderator: Susan Bullard, U.S. EPA

- Introduction to "It All Adds Up" Pooled Funding Project
Susan Bullard, U.S. EPA
- Community Outreach/Education to 300,000: Done by One—
on \$120,000 a Year-Gretchen Arnold, Corpus Christi, Texas
- Leveraging Resources
Sara Burr, Wisconsin Department of Natural Resources

4:30pm–5:30pm

Outreach Track: "The Pollutant Duel"

Moderators: Alison Davis, U.S. EPA

Kerry Shearer, Sacramento Metro AQMD

- The moderators will present a series of difficult dual pollutant issues to address in open discussion.

WEDNESDAY FEBRUARY 25TH

7:00am–8:00am Morning Refreshments

8:00am–9:30am

Tough Questions—Good Answers

Moderators: Alison Davis, U.S. EPA

Kerry Shearer, Sacramento Metro AQMD

- The moderators will present 6 to 9 odd or difficult questions, and open up the floor to discuss how to best answer them.

9:30am–10:00am BREAK

10:00am–11:30pm

Future of AIRNow—Strategic Planning

Moderator: Chet Wayland, U.S. EPA

- Results of the December 2003 Strategic planning meeting.

11:30pm–12:00pm

Closing Remarks—Chet Wayland, U.S. EPA

12:00pm Conference Adjourn

Registration

Use enclosed form or visit conference registration page at www.epa.gov/airnow/index.html

Hotel

See enclosed information regarding hotel reservations.

Exhibits

If you are interested in exhibiting, please check the appropriate box on the registration form and an ERG representative will contact you.

