



# U.S. EPA's 2003 National Air Quality Conference: It's Not Just About Ozone Anymore

February 2-5, 2003 • Sheraton Gunter Hotel • San Antonio, Texas • USA

Co-sponsored by:



AIR & WASTE MANAGEMENT  
ASSOCIATION

## Registration Form

**Note:** Advance registration is required by January 21, 2003. Because there is **no registration fee** for this conference, **registration will be on a first-come, first-serve basis**. Seating is limited, so please register early. You will receive a registration confirmation either by e-mail or fax. **Please bring this confirmation with you to the conference.**

First Name \_\_\_\_\_ Last Name \_\_\_\_\_ MI \_\_\_\_\_

Name/Nickname for badge \_\_\_\_\_

Title \_\_\_\_\_ Employer \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Postal Code \_\_\_\_\_ Country \_\_\_\_\_

Phone Number ( ) \_\_\_\_\_ Fax Number ( ) \_\_\_\_\_

E-mail \_\_\_\_\_

Check all that apply:

A&WMA Member     Government Employee

Presenter     Moderator     Exhibitor     Sponsor

If you would like to attend an optional short course on Sunday, please choose one:

Air Quality Forecasting ( \_\_\_ yrs. forecasting experience)

Particulate Primer: What is PM<sub>2.5</sub>, and Why Do I Need to Know

Are you a member of an Action Day program? If so, please list: \_\_\_\_\_

\_\_\_\_\_

**Registration by phone or e-mail will not be accepted.**  
**Please fax form to: +1-412-232-3450 • For more information, call +1-412-232-3444, x3127 or 800-270-3444**

*A&WMA attempts to promptly notify all advance registrants if the conference is cancelled. In the event of a cancellation, the Association is not liable for any expenses paid by the registrant.*

Visit the A&WMA Web site at [www.awma.org/events](http://www.awma.org/events) for up-to-date information.



## U.S. EPA's 2003 National Air Quality Conference

c/o Air & Waste Management Association  
One Gateway Center, Third Floor  
420 Fort Duquesne Boulevard  
Pittsburgh, PA 15222 USA

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FIRST CLASS  
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The EPA air quality conferences provide an excellent opportunity to compare notes and share success stories with other partnerships so we all can continue to grow and improve our programs. It's also an opportunity for all the stakeholders—regulators, industry, environmental groups and health experts—to brainstorm newer and more effective means of making the air cleaner at an affordable price.

—*Larry Myers, Independent Consultant,  
former Chair of the Southwest PA Ozone  
Action Partnership*



This conference is the best national conference that I attend yearly on public outreach and air quality issues. —*Terry Lee, Bay Area Air Quality Management District*

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U.S. EPA's 2003 National Air Quality Conference:

# It's Not Just About Ozone Anymore

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## Why You Should Attend:

- Hear the latest on air quality forecasting techniques and tools
- Find out about real-time mapping of fine particulate data
- Learn how to expand local partnerships
- Hear success stories from air quality action programs
- Share ideas for incorporating fine particulates into your successful ozone program
- Discuss media outreach opportunities
- Find out about innovative state programs

## Conference Sponsors:

### GOLD LEVEL



**STI**

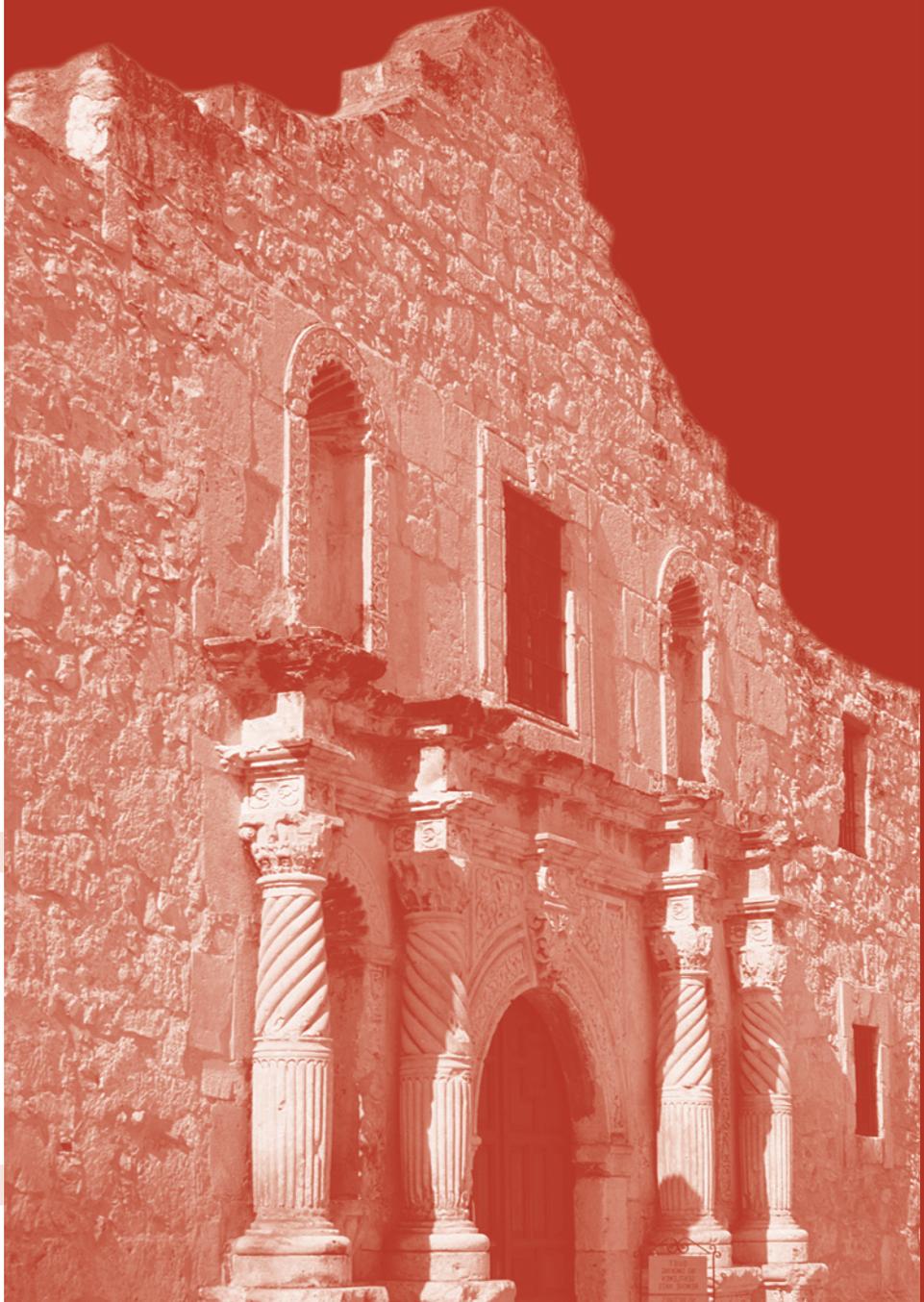
Sonoma Technology, Inc.

### SILVER LEVEL

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# U.S. EPA's 2003 National Air Quality Conference: It's Not Just About Ozone Anymore

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## Sponsorship Opportunities

Increase your exposure to meeting attendees and your prestige by becoming a conference sponsor. Each sponsor will be acknowledged verbally at the conference, as well as through signage and in the conference final program. Three levels of sponsorship are available:

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

## Exhibitor Opportunities

Exhibitors will spend two days interfacing with attendees. Exhibits will be open Monday, February 3, and Tuesday, February 4, for a total of four scheduled conference breaks in the exhibit area, as well as a Reception & Exhibit Hour on Monday evening. The cost is \$500 for commercial organizations; \$125 for not-for-profit organizations; and \$50 for government agencies. Exhibit space is limited and will be available on a first-come, first-serve basis. Booth space can easily accommodate tabletop exhibits (8' draped table). Please contact A&WMA if you have other needs.

## Exhibitors confirmed to date:



Please visit [www.awma.org/events](http://www.awma.org/events) for details and an Exhibition and Sponsorship Commitment form. Or, for more information, please contact:

**Carrie Hartz**  
Air & Waste Management Association  
+1-412-232-3444 x3120  
+1-412-232-3450 (fax)  
[chartz@awma.org](mailto:chartz@awma.org)

## Program Overview:

EPA's National Air Quality Conference is designed to allow interaction and communication between technical and outreach/education professionals. This year's conference will have a special emphasis on fine particulates.

## What's New for San Antonio:

- In order to take advantage of Saturday airfare discounts, the conference will include several optional sessions on Sunday.
- Sunday's program includes two short courses: (1) air quality forecasting, and (2) a primer on PM<sub>2.5</sub>. A group discussion between EPA, NOAA, and State/Local agencies is also scheduled for Sunday.
- Monday through Wednesday mornings will feature air quality forecasting training exercises.
- Exhibits from related service providers and vendors will be on display Monday and Tuesday.
- A Reception & Exhibit Hour will be held on Monday evening to provide an additional opportunity for discussion with your colleagues.
- Tuesday's program features plenary sessions in the morning and dual tracks (technical and public outreach) in the afternoon.
- Wednesday's plenary sessions will put all of the conference information together by highlighting what works and what doesn't work in action programs and by presenting information on how to incorporate PM<sub>2.5</sub> into existing ozone programs.

## Topics:

- Air Quality and the Media
- The AQI and Your Health
- Air Quality Data and Mapping
- Air Quality Forecasting
- Air Quality Monitoring
- Air Quality Outreach
- Action Programs: What Works and What Doesn't
- Putting It All Together: Incorporating PM<sub>2.5</sub> into Existing Ozone Programs

## Who Should Attend?

- State and local air pollution agencies (both technical mapping and outreach staff)
- Metropolitan planning organizations
- Environmental organizations
- Industries

## Conference Committee:

General Conference Co-Chairs: *Chet Wayland and Deborah Elmore, Office of Air Quality Planning and Standards, U.S. EPA*

## Conference Managed by:

Air & Waste Management Association  
Project Manager: *Joel Anne Sweithelm*  
Project Coordinator: *Carrie Hartz*

## Registration Information:

- Pre-registration is required.
- Registration is **FREE**, but seating is limited to 300, and will be available on a **first-come, first-serve basis**.
- You will receive registration confirmation.
- Airfare, lodging, meals (including lunches), and other incidentals will be participants' responsibility.
- Complete the registration form in this brochure.
- Mail the registration form to the Air & Waste Management Association, One Gateway Center, Third Floor, 420 Ft. Duquesne Blvd., Pittsburgh, PA USA 15222; or,
- Fax the registration form to +1-412-232-3450.
- Registration by phone or e-mail will not be accepted.
- For more information, call A&WMA Member Services at +1-412-232-3444 x3127 or 800-270-3444.

## Hotel Information:

- The Sheraton Gunter Hotel is located at 205 East Houston Street, San Antonio, Texas, 78205.
- A block of rooms has been reserved for conference attendees, and will be available on a first-come, first-serve basis.
- Room rate is \$91 single/\$111 double plus all applicable taxes.
- To ensure availability and rate, make your reservations directly with the hotel by **Friday, January 10, 2003** by calling +1-210-227-3241.
- Be sure to mention the EPA National Air Quality Conference.
- Airport shuttle service provided by San Antonio Transit +1-210-281-9900 for \$16 round trip or \$9 one-way.

## Americans with Disabilities Act:

The Air & Waste Management Association supports the Americans with Disabilities Act (ADA). Attendees requiring specific equipment or services should contact the A&WMA Project Manager at +1-412-232-3444 x3141, to make those needs known in advance. We will make every reasonable effort to accommodate such needs.

## Conference Resource Area:

Representatives from state and local agencies who are attending the National Air Quality Conference are invited to bring handouts to distribute at the Conference Resource Area. The Resource Area is not designed to accommodate exhibits, but instead serves as an information dissemination area.

7:30am - 6:00pm  
8:30am - 12:00pm

**Registration**

**Short Course - Air Quality Forecasting**

*Instructors: Tim Dye and Clinton McDonald, Sonoma Technology, Inc.; Joe Cassmassi, South Coast Air Quality Management District; Mike Gilroy, Puget Sound Clean Air Agency; Bill Ryan, Pennsylvania State University; & Lew Weinstock, Forsyth County, NC Environmental Affairs Department*

This interactive session is intended to provide assistance to State/Local agency staff who are responsible for issuing daily air quality forecasts. Six forecasters with decades of experience in air quality predictions will provide an overview of the steps necessary to generate a successful air quality forecasting program, with a particular emphasis on PM<sub>2.5</sub> forecasting. Topics will include: Meteorological Basics; Relationships Between Meteorology and Air Quality; Freely-Available Forecasting Resources; The Transition from Ozone to PM<sub>2.5</sub> Forecasting; 10 Steps to Issuing an Air Quality Forecast; Ensuring Communication of the Forecast Information; and More! While there are no prerequisites for the course, attendees should have a basic understanding of air quality. A workbook containing all of the course material will be provided.

12:00pm - 1:00pm  
1:00pm - 3:30pm  
1:30pm - 3:30pm

**LUNCH (on your own)**

**Short Course - Air Quality Forecasting (continued)**

**Short Course - Particulate Primer: What is PM<sub>2.5</sub>, and Why Do I Need to Know**

*Moderator: Deborah Elmore, U.S. EPA*

Overview - *Rich Damberg, U.S. EPA (invited)*

Q&A/Open Discussion

4:00pm - 6:00pm

**Air Quality Forecast Models... What Do State & Local Forecasters Need?**

*Moderators: Chet Wayland, U.S. EPA, & Ralph Petersen, National Weather Service, NOAA*

Status of NOAA/EPA Air Quality Forecast Initiative

Open Discussion

Requirements

Working with Your Weather Forecast Office (WFO) - (State/Local Coordination)

Visit [www.awma.org/events](http://www.awma.org/events) for more details on the short courses and Sunday program.

7:00am  
8:00am - 8:30am

**Registration**

**Air Quality Forecasting Training - Morning Exercise**

Instructors will lead a discussion of the current meteorological and air quality conditions across the U.S. A general forecast of the next day's conditions will be generated and evaluated over subsequent days. This training is open to everyone.

8:00am - 9:00am  
9:00am - 9:30am

**Morning Refreshments**

**Welcome**

Welcome and Introductions - *Chet Wayland, U.S. EPA*

Welcome to San Antonio - *The Honorable Ed Garza, Mayor of the City of San Antonio*

9:30am - 10:30am

**Keynote Addresses**

*Stephen D. Page, Director, Office of Air Quality Planning & Standards, U.S. EPA*

*Brigadier General John J. Kelly (Retired), Director, National Weather Service, NOAA (invited)*

10:30am - 11:30am

**AIRThen, AIRNow, AIRTomorrow**

Overview - *Chet Wayland, U.S. EPA*

Open Discussion

11:30am - 1:00pm

**LUNCH (on your own)**

1:00pm - 3:00pm

**Air Quality and the Media**

*Moderator: Alison Davis, U.S. EPA*

Weather Service Provider and Media Update - *Tim Dye, Sonoma Technology, Inc.*

The Weather Channel - *Jen Carfagno*

USA Today - *Lynne Perri*

WSI Client Using Maps - *Bill Reh, WLFL-TV, Raleigh, NC (invited)*

Local On-Air Media - *Jennifer Broome, Chief Meteorologist, WOAI-TV, San Antonio, TX*

Local Print Media

3:00pm - 3:30pm

**BREAK (exhibits open)**

3:30pm - 5:00pm

**The AQI and Your Health**

*Moderator: Alison Davis, U.S. EPA*

The Human Health Effects of Particulate Matter Air Pollution - *Dr. George Thurston, New York University School of Medicine*

Using the AQI to Communicate About Particles - *Susan Stone, U.S. EPA*

Open Discussion

5:00pm - 5:30pm

**BREAK (exhibits open)**

5:30pm - 7:00pm

**"Let's Talk About It" - Reception & Exhibit Hour**

Meet and greet your colleagues who are interested in the same issues as you are! Enjoy some refreshments while visiting areas where you can discuss specific topics with experts and exhibitors from across the country.

# Not Just About Ozone Anymore • Conference Agenda

7:00am - 8:00am	<b>Morning Refreshments</b>
7:15am - 7:45am	<b>Air Quality Forecasting Training - Morning Exercise</b>
8:00am - 10:00am	<b>Air Quality Data and Mapping</b> <i>Moderator: John E. White, U.S. EPA</i> AIRNow and PM <sub>2.5</sub> : Mapping and Future Products - <i>John E. White, U.S. EPA</i> Mapping PM <sub>2.5</sub> Canadian/NESCAUM PM <sub>2.5</sub> Mapping - <i>George Allen, NESCAUM</i> A Variable Averaging Period Scheme for Real-Time Mapping of PM <sub>2.5</sub> - <i>Lew Weinstock, Forsyth County, NC</i> 12 Hour Midpoint Approach to Real-Time Mapping of PM <sub>2.5</sub> - <i>Dave Conroy, U.S. EPA Region 1</i> Open Discussion
10:00am - 10:30am	<b>BREAK (exhibits open)</b>
10:30am - 12:00pm	<b>Air Quality Forecasting</b> <i>Moderators: Mike Gilroy, Puget Sound Clean Air Agency, &amp; Pat Dolwick, U.S. EPA</i> Review of Air Quality Forecasting Events in Texas - <i>Bryan Lambeth, Texas Natural Resource Conservation Commission</i> 2003 PM <sub>2.5</sub> Forecasting Project: Preliminary Results - <i>Tim Dye, Sonoma Technology, Inc.</i> Overview of MARAMA PM <sub>2.5</sub> Forecasting Project - <i>Tad Aburn, Maryland Department of the Environment</i>
12:00pm - 1:30pm	<b>LUNCH (on your own)</b>
1:30pm - 3:00 pm	<b>DUAL SESSIONS</b> <b>Air Quality Forecasting (continued)</b> The Air Quality Prediction Program in British Columbia - <i>Ted Lord, Pacific Weather Centre</i> AIRPACT: A Numerical Air Quality Forecasting System for the Seattle Area - <i>Joseph Vaughan and Brian Lamb, Washington State University</i> Incorporation of New Forecasting Tools - <i>George Bridgers, North Carolina Department of the Environment and Natural Resources</i> NOAA Air Quality Forecasting Modeling Plans - <i>Ken Schere, National Oceanic and Atmospheric Administration</i> <b>Air Quality Outreach Forum</b> <i>Moderators: Jayme Graham, Allegheny County Health Department, PA, &amp; Dorothy Birch, Alamo Area Council of Governments</i> This is a two-part working session for Air Awareness Programs. Please visit <a href="http://www.awma.org/events">www.awma.org/events</a> for more details.
3:00pm - 3:30pm	<b>BREAK (exhibits open)</b>
3:30pm - 5:30pm	<b>DUAL SESSIONS (continued)</b> <b>Air Quality Monitoring</b> <i>Moderator: Tim Hanley, U.S. EPA</i> Monitoring Issues Emerging Technologies - <i>George Allen, NESCAUM</i> Selection of PM <sub>10</sub> and PM <sub>2.5</sub> Continuous Monitors for California Air Quality Standards - <i>Ahmed Mehadi, California Air Resources Board</i> Adjusting Continuous Data for Comparison to Federal Reference Method PM <sub>2.5</sub> Measurements - <i>Mike Rizzo, U.S. EPA</i> Application of Correlation Factors for AQI Reporting of PM <sub>2.5</sub> Continuous Data - <i>Battelle representative</i> <b>Air Quality Outreach Forum (continued)</b> This is a continuation of the first session.

7:30am - 8:30am	<b>Morning Refreshments</b>
7:30am - 8:00am	<b>Air Quality Forecasting Training - Morning Exercise</b>
8:30am - 10:00am	<b>Action Programs - What Works and What Doesn't: 7 Programs from 7 Regions Tackle 7 Issues in 7 Minutes Each!</b> <i>Moderator: Laura DeGuire, Michigan Department of Environmental Quality</i> Speakers will represent various geographical regions, as this very much affects the "message" and issues to be addressed.
10:00am - 10:30am	<b>BREAK</b>
10:30am - 12:30pm	<b>Putting it All Together: Incorporating PM<sub>2.5</sub> into Existing Ozone Programs</b> <i>Moderator: Kerry Shearer, Sacramento Metropolitan Air Quality Management District</i> EPA's National Outreach Plan for Fine Particles - <i>Debbie Stackhouse, U.S. EPA</i> Incorporating Fine Particle Outreach in a Predominantly Ozone Area - <i>Lew Weinstock, Forsyth County, NC</i> Implementing Fine Particle Outreach in a Predominantly PM Area - <i>Alice Collingwood, Puget Sound Clean Air Agency</i> Denver's Experience with PM Outreach - <i>Ken Lloyd, Regional Air Quality Council, Denver, CO</i> Open Discussion
12:30pm - 1:00pm	<b>Closing Remarks</b> <i>Chet Wayland, U.S. EPA</i>
1:00pm	<b>Conference Adjourn</b>

#### NOTES:

1. Agenda and speakers are subject to change.
2. For up-to-date information on the conference agenda and session speakers, please visit the A&WMA Web site at [www.awma.org/events](http://www.awma.org/events).
3. Speaker presentations will be posted on the U.S. EPA Web site at [www.epa.gov/airnow](http://www.epa.gov/airnow) after the conference.

Tuesday, February 4, 2003

Wednesday, February 5, 2003