

Valley AIRNow-Air Quality Outreach

for the Northern Shenandoah Valley Air Quality Improvement Task Force



Air Quality Improvement Task Force Meeting
March 1, 2006



Today's Agenda:

- **Guest Speaker: Tom Ballou, DEQ**
- **Events: Past**
- **Outreach Output**
- **Task Force Input**
- **Events: Upcoming**
- **General Comments/Input**

New Valley AIRNow Coordinator!!

Tiffany Tumer

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Chelsea's New Contact Info

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Events: Past

■ Review of Past Events (since last meeting)

- Clean Commute Retreat: Jan 12
- Teacher Planning Sessions: Jan. 23, Jan. 30, Feb. 6 and Feb. 13
- Woodstock Rotary: Jan 18
- American Meteorological Society Conference: Jan 29-Feb 2
- National Air Quality Conference: Feb 5-8

Request from January 4 meeting:
Generic Poster for AIRCorps
Members/Presentation



The poster features a blue header with a yellow sun and white clouds on the left, and the text "valleyairnow" in white and green on the right. Below the header is a blue bar with the text "Do Your Share, Preserve Our Air" in white. The main body of the poster is light blue and contains the following text:

Clean air and blue skies are a Valley hallmark!

A few days each summer, a combination of sunny weather and vehicle emissions contribute to ozone problems. Exposure to ground-level (or bad) ozone can cause health effects such as:

- runny nose
- sore throat
- irritated eyes
- shortness of breath
- persistent cough
- a burning sensation in the chest

People who exercise outdoors and people with respiratory problems are most affected by overexposure.

Follow these tips especially on Ozone Action Days!

Tip 1 - Refuel Carefully

- Refuel after 6:00 p.m., if possible.
- Avoid spills and don't try to top off your tank.

Tip 2 - Drive Wisely

- Avoid driving during peak traffic periods when stop-and-go traffic is at its worst.
- Try not to drive at all, especially during the morning and early afternoon.
- Plan ahead, organize your trips. Combine several errands into one trip.
- Take your lunch to work to avoid lunch trips.
- Avoid excessive idling.
- Use your air conditioner wisely.
- Consider other commute options: public transit, carpooling, walking, biking, and teleworking at home.

Tip 3 - Maintain Your Vehicle

- Keep your tires properly inflated.
- Follow your owner's manual and get regular engine tune-ups and car maintenance checks.
- Use an energy-conserving grade of motor oil. An EC multigrade can improve your mileage by as much as 1.5 percent.

Valley AIRNow Air Quality Outreach for Winchester-Frederick County
For more information, or to join fellow community members in preserving our air, please contact us at: 540.450.2207 or visit us on the web at: www.ValleyAIRNow.com

Outreach Output

■ Chamber March Business Agenda

"For millennia, people thought air was a substance called "ether," until scientists discovered we are surrounded by an ocean of invisible gases. Imagine trying to convince someone that there is such a thing as "oxygen!" Science teachers today face similar challenges in teaching about air quality. Water quality education is easier than air quality, because water is easily seen and has "biological indicators"—creatures that can only live in clean water. Helping our schools teach about air quality is currently a major focus of Valley AIRNow, as we plan a summer air quality workshop for Winchester and Frederick County teachers."

■ AMS/AIRNow Conferences

- AMS: Poster presentation
- AIRNow: Oral presentation (available upon request)
- Survey: Results & Analysis, posted on website

Outreach Output

■ Teacher Planning Sessions

- Have hosted 4, 1 more within next 3 weeks
- “Teaching the Teacher” workshop: June 26-30

Focus: Teachers helping us to understand what’s needed to get air quality integrated into school curriculum.

Turns out, this is a very complicated task: lack of teacher education, SOLs, an already overfull curriculum, incentives (no direct reason for teachers to make changes on our behalf, have to make them want to).

Plan still is to hold teacher workshop June 26-30 focusing on Teaching the Teachers about air quality, and providing them with the tools needed to bring air quality lessons into their curriculum.

Outreach Output/Task Force Input

Event Planning

- AIRCorps & ozone season kick-off event
- Clean Commute Day
- Media blitz
- Clean Air Art Contest
- SVR Apple Blossom 10K

Long-term Program Parameters, How can Valley AIRNow make the biggest difference over the long-term?

Outreach Output/Task Force Input

TV3Winchester.com - Microsoft Internet Explorer


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Address <http://media.graytvinc.com/documents/tv3winchester.htm>

Dear Visitor,

Thank you for your interest in TV3 Winchester! We are thrilled to be a part of the beautiful northern Shenandoah Valley and we look forward to serving our viewers and our advertisers for years to come.


As an ABC network affiliate, we will provide our viewers with the highest quality entertainment and informative news content from Winchester, Front Royal, Berryville, and beyond. Whether you need the latest information on local politics, the weather forecast for tomorrow's commute, or highlights of your son's or daughter's high school game, we look forward to being your source.



I would like to publicly thank Shenandoah University for embracing our proposed partnership. Thanks to the vision that the University shares with us, our office and news production facility will be constructed adjacent to the SU Television Center on Millwood Avenue. This is the foundation of a great partnership that will forever benefit SU students and our viewers.

Please read through our [Frequently Asked Questions](#) section to learn more about us. We can't wait to earn your loyal viewership. I am confident you will truly enjoy local television news, weather, and sports delivered to your home and office by people who live and work right here, In Your Community!

**In
YOUR
Community**



Sincerely,
Brad Ramsey
General Manager
TV3 Winchester

FREQUENTLY ASKED QUESTIONS
What is TV3 Winchester?
What will TV3 Winchester newscasts cover?

Done Internet

<http://media.graytvinc.com/documents/tv3winchester.htm>

Air Quality Learning and Demonstration Center - Microsoft Internet Explorer

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Address http://www.arboretum.psu.edu/research/air.html

THE ARBORETUM AT PENN STATE

Home About Us Locale Planning and Design Conservation and Stewardship Research and Outreach Publications and Links

Supporting the Arboretum

Construction

Air Quality Learning and Demonstration Center



Typical ozone-induced foliar symptoms on plants native to

Air Quality Learning and Demonstration Center Open for Walk-Through Visitors and Self-Guided Tours

The Air Quality Learning and Demonstration Center, located in the northwestern section of the Arboretum, held its grand opening on September 12, 2003. The major objective of the center is to provide educational programs and public outreach about air pollution on plants of the farm, garden, forest, and field in Pennsylvania.

Visitors may conduct a self-guided tour by reading display panels about air pollution formation and transportation, and by viewing research gardens and plant exhibits that demonstrate the effect of ozone.



Air Quality Learning and Demonstration Center - Microsoft Internet Explorer

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Address http://www.aireffects.psu.edu/learning/index.htm

PENN STATE Air Quality Learning & Demonstration Center

THE ARBORETUM AT PENN STATE

Home
Directions
Objectives
Virtual Tour
Contributors

Webcams
Pennsylvania Real Time Data
Data Summary Page

Welcome

<http://www.arboretum.psu.edu/research/air.html>

<http://www.aireffects.psu.edu/learning/index.htm>

Task Force Input

Air Quality Learning and Demonstration Center

- Located in the northwestern section of the Arboretum
- Held its grand opening on September 12, 2003.
- The major objective of the center is to offer educational programs and public outreach about air pollution's effects on plants of the farm, garden, forest, and field in Pennsylvania.
- *"The Air Quality Learning and Demonstration Center will focus attention on the quality of our air as one of the most important resources we have in the Commonwealth of Pennsylvania....This project (and developing facility) will combine the expertise which exists in several University programs into a center where students (of all ages) and teachers (grade-school through University level) will gain an understanding of the many important aspects of air quality."*
 - — John M. Skelly, Professor
Department of Plant Pathology

Upcoming/Important Dates

- **Next Task Force meeting: April 5, 2006**
- **38th Air Pollution Workshop: April 9-13, Charlottesville, VA**
- **NSV Petroleum Marketers Association Presentation: April 11, 2006**
- **Stephen's City Rotary Presentation: April 18, 2006**
- **Winchester Star Forum Piece: April 30, 2006**
- **Clean Commute Day: May 5, 2006**
- **SVR Apple Blossom 10-K race: May 6, 2006**
- **Teacher Development Workshop: June 26-30**