



Air & Waste Management Association

News for People with Environmental Vision



Ozone Forecasting Begins in Macon

Summary by Cherisse Boone—Georgia EPD—Air Protection Branch

Beginning this ozone season, Macon residents will know when the outside air is unhealthy and what to do to protect themselves, thanks to daily ozone forecasting.

EPD has partnered with the Macon Area Clean Air Coalition to provide the forecasts. Residents can receive early warning about bad air days by signing up to receive the daily forecasts by e-mail. Alerts will also be publicized on highway signs and through local media.

The forecasts features the U.S. Environmental Protection Agency's (EPD) Air Quality Index (AQI) that uses color to represent ozone concentrations. The color-coded system informs residents about the dangers of ground-level ozone and encourages them to take

voluntary actions to reduce their exposure to air pollution.

EPA has named Bibb county a "nonattainment" area for having high levels of smog forming ozone. "It will be of great benefit to the people of Macon, both those sensitive to ozone pollution as well as those that aren't but have a good regard for the environment and would take steps to change their own behavior to keep ozone levels down," says Susan Zimmer-Dauphinee, Program Manager of the Ambient Monitoring Program, the group responsible for air forecasting.

STAPPA/ALAPCO Recommends Ban on Perc

On March 23, 2006, The State and Territorial Air Pollution Program Administrators and the Association of Local Air Pollution Control Officials (STAPPA/ALAPCO) submitted comments on EPA's proposed rule for emissions of perchlorethylene (perc) from Dry Cleaners under Section 112(f) of the Clean Air Act (Residual Risk), which was published in the Federal Register on December 21, 2005. The STAPPA/ALAPCO letter generally called for EPA to strengthen the proposed Residual Risk standards for all classes of dry cleaners (major and freestanding facilities and those located in buildings and

other establishments). With respect to area source perc dry cleaners in mixed use buildings (i.e., those housing both dry cleaners and other establishments including residences and businesses), STAPPA and ALAPCO recommended that new perc dry cleaners be banned and that existing perc dry cleaners be phased out over several years (e.g., three to five years).





Marlin Gottschalk, GA EPD

Recap of Spring 2006 Georgia Chapter Regulatory Update Conference

Summary by Tommy Sweat—Chair, Georgia Chapter Environmental Planning Specialists, Inc.

On April 13, 2006, the Georgia Chapter of A&WMA held our annual Regulatory Update Conference at the

These program managers and branch chiefs were supported by a dozen other senior regulatory officials from EPD, who provided updates in many areas impacting the regulated community.

U.S. EPA Region 4 offices in Atlanta. After receiving a gracious welcome from both Jimmy Palmer, Jr., Regional Administrator, EPA Region 4, and Carol Couch, Ph.D., Director, Georgia EPD, attendees received updates in air and waste regulations, as well as pollution prevention. Speakers included:

This conference was one of the most well-attended activities in our chapter's history, and proceeds from the registration fees and sponsorships contributed over \$7,500 to the chapter's scholarship fund. We would like to thank our sponsors for the event: Presenting Sponsors: Brown and Caldwell, Analytical Services, Inc. (ASI), ENVIRON, and Georgia Power; Supporting Sponsor: The RETEC Group.

Carol Kemker, Deputy Director, EPA Region 4, Air, Pesticides, and Toxics Management Division

Ron Metheir, Chief, Air Protection Branch, Georgia EPD

Stephanie Busch, Program Manager, P2AD

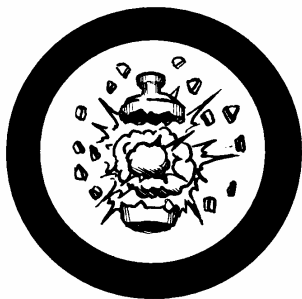
Beverly Banister, Acting Director, Waste Management Division, EPA Region 4

We would like to thank all of the speakers from Georgia EPD and EPA Region 4 for their time and efforts. We would also like to thank Marlin Gottschalk (GA EPD) for putting together a great slate of speakers and organizing the conference. Also, thanks again to Les Engel (RETEC) for managing online registrations on our website.

Mark Smith, Chief, Hazardous Waste Management Branch, Georgia EPD

Jennifer Kaduck, Chief, Land Protection Branch, Georgia EPD.

The presentations from the conference are available online at www.gaawma.org. Click on "2006 Reg Update Conf Presentations" link for a list of presentations available for download (Adobe pdf format).



The Hazardous Waste Manifest System

Summary from EPA Website

EPA revised the **Hazardous Waste Manifest Forms** used to track hazardous waste from a generator's site to the site of its disposition. Handler's of waste (generators, or treatment, storage or disposal facilities) must obtain the new forms from any source that has been approved by the EPA Registry to print and distribute the form. **Please note that existing forms must be used through September 4, 2006; the new Uniform Hazardous Waste Manifest must be used starting on September 5, 2006.**

Most registered printers are selling the form to the general public. EPA notes that the new forms are available now and they request the public to please order your forms now so you can be in compliance on September 5, 2006.

The Hazardous Waste Manifest System is a set of forms, reports, and procedures designed to seamlessly track hazardous waste from the time it leaves the generator facility where it was produced, until it reaches the off-site waste management

facility that will store, treat, or dispose of the hazardous waste. The system allows the waste generator to verify that its waste has been properly delivered, and that no waste has been lost or unaccounted for in the process. The key component of this system is the Uniform Hazardous Waste Manifest which is a form prepared by all generators who transport, or offer for transport, hazardous waste for off-site treatment, recycling, storage, or disposal. Currently, the manifest is a paper document containing multiple copies of a single form. When completed, it contains information on the type and quantity of the waste being transported, instructions for handling the waste, and signature lines for all parties involved in the disposal process. The manifest is required by both Department of Transportation and EPA. Each party that handles the waste signs the manifest and retains a copy for themselves. This ensures critical accountability in the transportation and disposal processes. Once the waste reaches its destination, the receiving facility returns a signed copy of the manifest to the generator, confirming that the waste has been received by the designated facility.



Many states have regulations in place requiring battery recycling. The U.S. Congress passed the Mercury-Containing and Rechargeable Battery Management Act in 1996

to make it easier for rechargeable battery and product manufacturers to collect and recycle Ni-CD batteries and certain small sealed lead-acid batteries. In addition, mercury was phased out of certain types of batteries in conjunction with this act. For these regulated batteries, the act requires the following:

- Batteries must be easily removable from consumer products, to make it easier to recover them for recycling.
- Battery labels must include the battery chemistry, the “three chasing arrows” symbol, and a phrase indicating that the user must recycle or dispose of the battery properly.
- National uniformity in collection, storage, and transport of certain batteries.
- Phase out the use of certain mercury-containing batteries.

Lead-Acid Automobile Batteries

Nearly 90 percent of all lead-acid batteries are recycled. Almost any retailer that sells lead-acid batteries collects used

Municipal Solid Waste—Batteries

Summary from EPA Website

batteries for recycling, as required by most state laws. Reclaimers crush batteries into nickel-sized pieces and separate the plastic components. They send the plastic to a reprocessor for manufacture into new plastic products and deliver purified lead to battery manufacturers and other industries. A typical lead-acid battery contains 60 to 80 percent recycled lead and plastic.



Non-Automotive Lead-Based Batteries

Gel cells and sealed lead-acid batteries are commonly used to power industrial equipment, emergency lighting, and alarm systems. The same recycling process applies as with automotive batteries. An automotive store or a local waste agency may accept the batteries for recycling.

Dry-Cell Batteries

Dry-cell batteries include alkaline and carbon zinc (9-volt, D, C, AA, AAA), mercuric-oxide (button, some cylindrical and rectangular), silver-oxide and zinc-air (button), and lithium (9-volt, C, AA, coin, button, rechargeable). According to EPA, each person in the U.S. discards eight dry-cell batteries per year.

See www.epa.gov/garbage/battery.htm for further details.

Open Burning Ban Now in Effect

Summary by Cherisse Boone—Georgia EPD—Air Protection Branch

May 1 marked the official start of smog season (May 1-September 30) in Georgia. For 54 counties in the state, that also means the annual ban on open burning will be in effect once again. The burn ban is an important part of the Georgia Environmental Protection Division's (EPD) plan to improve air quality during the hot summer months when ground level ozone and particle pollution are more likely to reach unhealthy levels.

EPD has developed a regional approach to improving air quality. “It takes a regional approach to reduce the amount of air pollution in Georgia and improve the health of our citizens. The burn ban is one such solution,” says Heather Abrams, Branch Chief of EPD's Air Protection Branch. Citizens and businesses in these 54 counties are not allowed to burn yard and land-clearing debris during the burn ban season. Some actions, such as campfires and agricultural activities are exempt.

Cooperation from the community will help people who are at risk during this period, which runs through September 30. Those most at risk are the young, the elderly and those with respiratory, cardiac or pulmonary diseases.

For more information about alternatives to burning such as composting and chipping, please call the Department of Community Affairs at 404-679-4940 or the Pollution Prevention Assistance Division toll-free at 800-685-2443. Debris can also be hauled to a commercial processing/grinding/composting operation or to an inert or construction and demolition landfill. For a list of landfills in your area, please call EPD's Solid Waste Management Program at 404-362-2692.

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Open Burning Ban Now in Effect—Continued

Summary by Cherisse Boone—Georgia EPD—Air Protection Branch

Citizens can get more information on the open burning ban by calling the EPD District Office in your area (phone numbers listed below) or EPD's Air Protection Branch at 404-363-7000. Small businesses can get help and information by calling EPD's Small Business Environmental Assistance Program toll-free at 877-427-6255.

Counties included in the ban and the appropriate EPD District Office's phone number follow:

East Central Georgia District Office: 706-792-7744: Columbia, Richmond

Metro Atlanta District Office: 404-362-2671: Clayton, Coweta, DeKalb, Fayette, Gwinnett, Heard, Henry, Rockdale, Spalding

Northeast District Office: 706-369-6376: Banks, Barrow, Butts, Clarke, Hall, Jackson, Jasper, Madison, Morgan, Newton, Oconee, Walton

West Central District Office: 478-751-6612: Bibb, Crawford, Houston, Jones, Lamar, Meriwether, Monroe, Peach, Putnam, Troup, Twiggs, Upson

Mountain District Office: 770-387-4900: Bartow, Carroll, Catoosa, Chattooga, Cherokee, Cobb, Dawson, Douglas, Fulton, Forsyth, Gordon, Haralson, Lumpkin, Paulding, Pickens, Polk, Walker

Maximize the Benefits of Participating in the Georgia Chapter

**Summary by Tommy Sweat-Chair, Georgia Chapter
Environmental Planning Specialists, Inc.**

Get the most out of participating in the Georgia Chapter of A&WMA by becoming a member or chapter associate.

A&WMA Membership

A&WMA provides programs and activities designed and conducted by environmental professionals for environmental professionals. Membership in A&WMA provides access to a worldwide network of more than 8,000 individuals from industry, government, and the consulting, research, academic, and legal communities who engage in the exchange of technical and managerial information.

As a member, you receive:

- Membership in the Georgia Chapter and Southern Section.
- The best discounts on Georgia Chapter and Southern Section events. For example, in 2006, A&WMA members will save a total of \$175 on registration fees (versus non-members) for the Georgia Chapter Regulatory Update Conference, Georgia Chapter Annual Environmental Conference, and Southern Section Annual Conference.
- Networking opportunities with leading professionals in the environmental field.
- Access to cutting-edge professional, scientific and technological resources.
- Opportunities for professional training and development – such as our specialty conferences, workshops, annual meeting, and the QEP Certification Program.
- A year's subscription to either The Journal of the Air & Waste Management Association or EM, A&WMA's monthly magazine for environmental managers.

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P²AD Partnership Program Assists, Connects & Rewards

Program provides economically sound solutions for environmental challenges

Summary by Suzanne Burnes, Program Manager, GA DNR P²AD Program



In 2004, the Georgia Department of Natural Resources' Pollution Prevention Assistance Division (P²AD) established one of the first state-run, performance-based environmental leadership programs in the country. Today, approximately 25 other states have begun developing similar programs.

Called the P²AD Partnership Program, the initiative allows an organization interested in pollution prevention activities to tap into P²AD's expertise to develop an effective environmental program. P²AD Partners represent a broad spectrum of industries, in the public and private sectors, and with small and large workforces.

"Our goal for this program is to support and reward the voluntary efforts of our members to prevent pollution," said Bob Donaghue, Director of P²AD.

"Environmental stewardship makes good business sense, but some companies just don't know how to get started. We provide them with the assistance to develop a program, and offer increased benefits as their commitment to pollution prevention increases. On the other hand, we also have in the program a number of recognized environmental leaders in the state. These Partners gain valuable opportunities to mentor others, are eligible for regulatory flexibility, and ultimately work side-by-side with policy makers to improve the environmental quality of Georgia communities."

The Partnership Program shares a common foundation with EPA's National Environmental Performance Track (NEPT) program—the environmental management system (EMS) framework of continual improvement and demonstrated environmental performance.

An EMS helps a company systematically manage the environmental impact

associated with its activities, products and services. By reinforcing an organization's existing operations with a comprehensive approach to environmental management, an EMS can help streamline operations, create awareness that environmental protection is every employee's job, and improve environmental performance.

The entry level for each business or organization is different and based on activities already in place, as well as those to be completed during the term of Partnership: one year for the White Level and three years for the Yellow and Red levels. Partners can remain in the Blue Level indefinitely, as long as they maintain a good compliance record and demonstrate significant progress toward their environmental commitments.

White Level Partners are advocates for the program and currently include organizations such as trade associations, consultants, environmental groups and academic institutions. These members are asked to help publicize the program and recruit new Partners.

The Yellow Level is the entry point for most applicants to the program, and Partners at this level are just beginning to develop proactive environmental policies, procedures and educational efforts.

Partners at the Red Level are putting their programs in place. These Partners are proactively involved in pollution prevention and cost-saving strategies and are actively integrating environmental stewardship into their daily business operations.

Blue Level Partners have reached the highest achievement level and are model environmental leaders. These Partners have robust pollution prevention and community outreach programs.

As a Red, Yellow or Blue Level Partner, members in the P²AD Partnership Program stand to reap substantial rewards, both within their company and externally. The Program allows a partner company to set its own goals and then offers tools and other assistance to help it meet them. Becoming a P²AD Partner can help a company

- Improve environmental performance
- Become more competitive
- Save money
- Boost its public image
- Retain valuable employees
- Better manager environmental legal obligations

Benefits to Partners increase as they move through the program. At the higher levels, Partners also can take advantage of greater regulatory flexibility, including priority permit review by the GA EPD, a response to regulatory and enforcement questions from EPD within 30 days, free technical assistance (including onsite assessments) and training. These Partners also have access to matching grants to fund projects to evaluate or implement pollution prevention practices at their facilities.

(Continued on page 8)

Commute Options 101

By Kelley Nardell-Powell, GA EPD—Air Protection Branch



It's 5:10pm on any random Wednesday. You left the office 15 minutes ago and filled your tank with \$3.05/gallon regular unleaded gasoline. Now you're stuck behind a giant dump truck, hemmed in on all sides by fellow commuters sitting in the smog-ridden festering mess of a summer traffic jam.

Suffice it to say that you're sick of it all-traffic, congestion, Smog Alerts, watching escalating gas prices—and you need help, quickly! So, where to start? Fortunately, there are many resources available to help you improve your commute. First, if you're in the Atlanta area, The Clean Air Campaign (CAC) and eight area Transportation Management Associations (TMAs) provide you with a variety of commuter strategies designed to save your sanity and your money—and help the environment in the process. For more information about any of these organizations, please visit www.cleanaircampaign.com or call 1-877-CLEANAIR. For those commuters living outside the Atlanta area, the Georgia Department of Transportation's website offers links to local commuting resources, park-and-ride lots, etc; please visit www.dot.state.ga.us. Each page also offers links to other valuable commuter services such as area TMAs, air quality information, alternative commute strategies, etc.



When you're explored the resources available to you, it's time to decide what your best course of action will be in terms of alternative commuting strategies. For many people, carpooling offers the most advantages. Carpooling allows a more flexible approach to scheduling—you have the option of deciding how many people will be in your carpool, you can choose your route, and you can allow for last-minute contingencies like appointments and overtime commitments. To locate a carpool partner, visit The Clean Air Campaign's website or www.187ridefind.com for real time carpool matching. The online database allows you to input your own address and your work hours, and find someone near you who share these stipulations. Once you have arranged your carpool, please visit www.commuterrewards.com/carpool_rewards for exciting cash incentives for carpoolers.

If you decide that another strategy would be better for you, check out www.cleanaircampaign.com/your_commute/transit_systems for a listing of transit providers in your area, or consider the many other commute options including vanpooling, teleworking, biking

and walking, and alternative work schedules. To provide further incentive, a Guaranteed Ride Home program is available for registered commuters in case of emergencies or unscheduled overtime (see www.187ridefind.com/grh.html for more information or contact CAC).

Once you choose which commuter option could work for you, then register for the Cash for Commuters incentive (www.commuterrewards.com/cash_for_commuters for registration information) before you start using this commute alternative. You can earn up to \$180 cash, just for trying another commuting method!

If you're already using an alternative commute strategy, then you can still earn money through the Commuter Rewards program: www.commuterrewards.com/commuter_prizes. Please check back to The Clean Air Campaign and local TMA websites periodically to learn about seasonal incentive programs such as Walk and Transit Challenges, special events, and awards program opportunities. Note that

all the websites mentioned in this article contain information about commute strategies and local resources dedicated to assisting you, the commuter, as well as your employer.

If your employer is interested in participating in a company-wide commute options program, The Clean Air Campaign and local TMAs can provide tailored assistance. Simply contact these organizations by phone or e-mail and they will help create specialized programs designed specifically for the needs of your worksite (1-877-CLEANAIR; if you are located in a TMA area then CAC will refer you to the appropriate contact).

So, for those of you still stuck behind the dump truck on the highway, breathing fumes and burning gas...cheer up! There are organizations that can and will be happy to help improve your commute and your quality of life... and provide peace of mind and a cleaner environment in the process.

Transportation Planning and Air Quality

Georgia's Department of Transportation Air Quality Branch

By Phil Peevey, Chief, Air Quality Branch



GA DOT Air Quality Branch Mission: *Provide leadership in the State's efforts to demonstrate transportation conformity and attainment of air quality standards; facilitate development of the CMAQ program in non-attainment areas; and serve as a resource to the Office of Planning, the Department, the MPOs, and the State.*

The Georgia Department of Transportation (GDOT) created the Air Quality (AQ) Branch as part of an effort to assist nonattainment areas and potential nonattainment areas to meet the National Ambient Air Quality Standards (NAAQS) and to provide guidance to GDOT management when dealing with air quality issues. A nonattainment area is a designated area that does not conform to federal air quality standards. To meet the NAAQS requirements, the Air Quality Branch works with nonattainment areas in a number of different ways. The AQ Branch assists nonattainment areas with the implementation of air quality beneficial projects through the use of Congestion Mitigation and Air Quality Improvement (CMAQ) funding. The AQ Branch along with the Department works with and coordinates these activities with three other state agencies include Georgia Environmental Protection Division (EPD), the Georgia Environmental Facilities Authority (GEFA), and the Georgia Regional Transportation Authority (GRTA). These agencies are all responsible for programs or activities interacting with air quality. Together this group is known as the State Air Quality Partners. The AQ Branch also assists the Metropolitan Planning Organizations (MPOs) with air quality planning in an effort to meet national transportation conformity requirements.

Different CMAQ-funded programs are implemented to facilitate attainment of air quality standards. CMAQ eligible programs include, but are not limited to, Alternative Fuel Initiatives, Diesel Retrofits, Bike/Pedestrian Projects, Inspection and Maintenance, Traffic Flow Improvements, and Transportation Demand Management (TDM). Over the past two years, Georgia's nonattainment areas expanded from the original Atlanta thirteen county area to 20 counties throughout Georgia. For the Department, this means five out of the seven GDOT Districts work with nonattainment counties. Because of the expanded nonattainment designations the AQ Branch has been working to develop a CMAQ Program that can be implemented throughout the State in a consistent manner.

The CMAQ project selection process will focus on projects with high congestion and air quality benefits.

TDM, also known as Commute Options Programs (COP), is part of the effort to reduce single occupancy vehicles trips (SOV) in Georgia. The purpose of TDM/COP programs is to motivate commuters to participate in alternative forms of commuting rather than SOV. COP seeks to reduce the number of SOV commuters in order to improve air quality and reduce congestion. Commuter Behavior Programs are popular, cost-effective, and beneficial to all citizens.

The Georgia Department of Transportation is the State TDM/COP manager and leader through coordinated efforts with commuter partners such as the Clean Air Campaign (CAC) and Atlanta Regional Commission (ARC). Under the GDOT contract, CAC and Employer Service Organizations (ESOs) have successfully developed partnerships with the business community to develop customized employer services.

COP efforts in Georgia are recognized nationally as being on the cutting edge. Since 2002, these programs have reduced more than 52 million miles of travel. Research and measurement efforts managed by GDOT have determined that sixty-four percent of participants continue using alternatives up to one year after incentives have ended.

Under the Clean Air Act, nonattainment areas are required to plan for air quality improvements in an effort to meet national transportation conformity requirements. Conformity is defined as a process in which transportation plans and programs are reviewed to ensure consistency with federal clean air requirements and the State Implementation Plan (SIP). Regional transportation projects, as designed in the transportation plan, collectively must not worsen air quality. The plan updates for nonattainment areas are required every four (4) years. *(Continued on page 8)*

P²AD Partnership Program Assists, Connects & Rewards—Continued

Partners in the Program also are eligible for recognition and awards presented at an annual event hosted by P²AD. Becoming a P²AD Partner also enable organizations to more easily meet the requirements for national and international recognition programs, such as NEPT.

All P²AD Partners become part of a cohesive network of organizations that share a common goal—to prevent pollution at the source and create and maintain sustainable business practices.

Applications for P²AD Partnership are accepted twice a year: April 1-May 31 and Sept. 1-Oct. 31. The P²AD staff is available, at no charge, to assist businesses and organizations during the application process. The applications and more information are available at P²AD's website, www.p2ad.org.

P²AD is a non-regulatory division of the Georgia Department of Natural Resources. Since 1993, P²AD has provided free, confidential environmental technical assistance in the areas of pollution prevention, resource conservation, waste reduction, by-product reuse and recycling.

Transportation Planning and Air Quality—Continued

Also, new conformity determinations are required when nonattainment areas add or delete capacity increasing projects from the Long Range Plan or the short range Transportation Improvement Program (TIP). As part of this process, the AQ Branch works with the nonattaining MPOs to ensure that transportation activities do not worsen air quality. The conformity process also ensures that federally funded projects are consistent with the regional and state air quality goals.

The AQ Branch has moved into the realm of on-road and off-road diesel retrofits. Through the CMAQ School Bus Retrofit program, we have been working with the GA EPD to encourage local jurisdictions to retrofit diesel school buses. The AQ Branch has also applied to EPA for a grant to study the effects of various retrofits on a sample population of the Department's diesel equipment.

Recently, the AQ Branch has taken a proactive approach to addressing Georgia's air quality and congestion issues. We are meeting with potential nonattainment areas to discuss things they can do to help themselves to improve their air quality. As these areas are ineligible for CMAQ funds, it's

the AQ Branch's goal to help the areas to secure funding so air quality beneficial projects may be advanced. The AQ Branch also is pursuing a proposal to use TDM/COP to help relieve congestion on construction projects along major corridors. The AQ Branch will be coordinating the efforts between the various state, local and private agencies involved in these efforts.

One thing we have learned is that there is no single solution to Georgia's air quality and congestion problems. It will take a mix of projects and initiatives as well as continued cooperation from the federal, state and local partners to improve Georgia's air quality congestion.

For more information on these topics, please visit the GDOT Air Quality Branch's website, at

<http://www.dot.state.ga.us/DOT/plan-prog/planning/aq/>.

What's Going On in Environmental Education and Research at Georgia's Institutions of Higher Learning?

Profile: Georgia Institute of Technology—Modeling the Effects of Land Use and Technology Change on Future Air Quality in the Upper Midwestern United States



When Dr. Brian Stone joined the Georgia Tech College of Architecture—City and Regional Planning Program in the fall of 2005, he brought his U.S. EPA Science to Achieve Results (STAR) grant with him. The three-year research grant, titled “Projecting Land Use and Transportation Impacts on Future Air Quality (PLUTO),” allows Dr. Stone and his co-principal investigator, Tracey Holloway from the University of Wisconsin at Madison, to investigate the potential for “smart growth” land use strategies to improve air quality over time.

For example, when people live far away from where they work, they become heavily dependent upon cars, which leads to air pollution. Smart growth land use strategies seek to reduce auto dependence through the promotion of compact urban forms, pedestrian-friendly design, and access to transit.

Stone and his team are interested in measuring the effects of both smart growth planning strategies and technological solutions, such as wider use of hybrid-electric vehicles, on ground-level ozone formation and fine particulate matter through the upper midwestern U.S. for the target years of 2025 and 2050.

The integration of national travel survey and U.S. Census data with regional air chemistry and climate change models is enabling the team to measure the impact of fine scale changes land use and travel behavior on future air pollution patterns across a six-state study region. “While we are limiting our initial focus to the upper Midwest, the use of nationally available data sources will permit us to evaluate urban growth patterns and future air quality anywhere in the country,” said Stone. He hopes to apply his model to the Atlanta region once the midwestern phase is completed.

Data are being analyzed using three scenarios: a business-as-usual model (what will air quality be like in the future if present patterns of development continue), a smart growth model (what will air quality be like in the future if smart growth policies are implemented), and a technological model (what will the air quality be like if we increase the usage of hybrid-electric vehicles and emissions controls of power plants and industrial sources of air pollution). The results of this research will assist the EPA and state and local governments in developing innovative strategies for combating air pollution and improving public health over the next several decades. For more information, visit

<http://www.coa.gatech.edu/~stone/Pluto.htm>.

Profile: Georgia EPD Small Business Environmental Assistance Program

By Vicky Giles, Georgia EPD, Air Protection Branch

Are you frustrated with figuring out which environmental rules and regulations apply to your small business? Are you having a difficult time understanding the bureaucratic language? Are you wasting precious time figuring out which permits, if any, that you many need? If you are a small business with less than 100 employees, the Georgia EPD Small Business Environmental Assistance Program (SBEAP) is here for you!!

For the small business owner, FREE and confidential help is available whenever you need it. Created under the federal Clean Air Act, the SBEAP can help your business get and stay environmentally compliant, whether your need is in air quality, water quality, or hazardous waste regulations. A non-regulatory program, the SBEAP supports your quest for compliance by offering you technical assistance in permitting and other environmental issues. Individual, personalized assistance is available at either your place of business or ours. Give us a call and see how we can help your business stay environmentally secure.

Website: <http://www.gasmallbiz.org>



UPCOMING EVENTS SECTION

2006 Annual Environmental Conference—Tuesday October 3, 2006, Atlanta

Please join the Georgia Chapter of the Air & Waste Management Association for our 2006 Annual Environmental Conference at the Georgia Tech Global Learning & Conference Center in Atlanta, Georgia. We have a great slate of speakers in the areas of environmental compliance, enforcement, air quality compliance and permitting, waste management, pollution prevention, SPCC, and stormwater. So, if any or all of these aspects of the environmental field are important to you, we expect that you would find the conference to be informative and beneficial. To learn more about the conference and its location and to register please visit www.gaawma.org.

Brown Bag Luncheon– Friday September 15, 2006, Powell Goldstein LLP, Atlanta

Please join the A&WMA Georgia Chapter for our next Brown Bag Luncheon, Friday September 15, 2006, 12:00 noon at the office of Powell Goldstein in Midtown Atlanta. The topic is “EPA’s All Appropriate Inquiries Rule and ASTM E1527-05”. The speakers are Jull Stachura (Brown & Caldwell) and Joan Sasine (Powell Goldstein). Please see our website at www.gaawma.org for more information.

Interested in Becoming a Chapter Officer?

The Georgia Chapter will be requesting nominations in October for chapter officer elections that will be held in November. Being an officer is a rewarding way of furthering the goals of A&WMA. We will be accepting nominations for the following offices:

- Chair (term: 2007)
- Vice Chair (term: 2007, becomes Chair in 2008)
- Secretary (term: 2007-2008)
- Treasurer (term: 2007-2008)
- Director (term: 2007-2009)

If you have any questions about being an officer, please contact Tommy Sweat, Chair, at tsweat@envplanning.com.

Maximize the Benefits of Participating in the Georgia Chapter—Continued

- Full access to the online version of both EM and the Journal.
- Access to a searchable, online membership directory, which contains contact information for members.
- Discounts of 20-30% on registration fees for the Association's Annual Conference & Exhibition, specialty conferences, workshops, seminars and education courses. And, discounts of up to 25% on Association publications, videotapes and discs.
- To join A&WMA, go to www.awma.org and click on the Join/Renew link.

Georgia Chapter associates receive following benefits:

- Discounted registration fees for Georgia Chapter and Southern Section events.
- Online searchable database of Georgia Chapter members.
- Email communications of all upcoming events, as well as our quarterly newsletter.

To become a Chapter Associate, go to www.gaawma.org, and click on the Join Now link.

Mission Statement:

Our mission is to promote a cleaner, safer environment in Georgia by focusing on air and waste issues. We achieve our mission through information transfer, technology exchange, education and environmental leader-

WE NEED YOUR HELP!

Please submit articles for future newsletters to Susan Jenkins at susan_jenkins@dnr.state.ga.us

Deadline for receipt of articles for the Fall 2006 newsletter is October 15, 2006.

VISIT OUR UPDATED WEB SITE!

www.gaawma.org

You now can join or renew as a chapter associate online, and we now accept payment online using a credit card!

All of our upcoming events are listed on the site, including online registration and payment.

A searchable directory is now available to National A&WMA and Georgia Chapter Associate Members.

Organization Officers

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Vacant Position, Vice Chair

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