



COMPASS



JULY 2014

What's new this month? This issue includes information on the 2014 Environmental Assistance Conference, regulatory updates and much more. If you have questions or topic suggestions, please reply to this e-mail – enviroassist@dhec.sc.gov.

Contents

PM^{2.5} Modeling Guidance.....2

DHEC announces 'Spare the Air' Award recipients.....2

The Bureau of Air Quality (BAQ) is a SmartWay® Transport Affiliate.....2

DHEC hosts Air Quality Coalition Summit ...3

S.C. Environmental Excellence Program Quarterly Update.....3

DHEC announces five winners of 2014 Green Business Awards.....4

Help the environment, improve your bottom line4

GREEN TIP: White Roof vs. Green Roof vs. Black Roof4

REGULATORY UPDATES

Bureau of Air Quality.....5

Bureau of Land and Waste Management6

Bureau of Water6

About this Newsletter

The "Compass E-Newsletter" is published quarterly by DHEC and is compiled by the Office of Solid Waste Reduction and Recycling.

EDITOR: Stacey Washington
(803) 898-1329
stacey.washington@dhec.sc.gov

CONTRIBUTING WRITERS: Richard Chesley; Leslie Coolidge; John Glass; John Litton; Anthony Lofton; Debra Briggs-Monroe; Jack Porter; Rebecca Sproles; Stacey Washington; and Jana White

LAYOUT/DESIGN: Gregg Glymph

For back issues of this newsletter, visit the www.scdhec.gov/Environment/ECompassNews/. To subscribe or unsubscribe to this newsletter send an email to enviroassist@dhec.sc.gov.

REGISTER TODAY!

Environmental Assistance Conference set for November 5

The 2014 Environmental Assistance Conference is set for **November 5, 2014** at the Columbia Conference Center – www.columbiameetings.com.

Register for the conference at www.regonline.com/EAC2014. The registration fee is \$55 and will cover a light breakfast, lunch and an afternoon snack.

The agenda is being drafted. If you would like to suggest a possible topic, contact Rebecca Sproles at rebecca.sproles@dhec.sc.gov.

We look forward to seeing you at the conference this year!



Additional Newsletters

- **Underground Storage Tank Newsletter**
www.scdhec.gov/Environment/LW/UST/Publications/
- **Swimming Pool Newsletter, Newsplash**
www.scdhec.gov/Environment/WaterQuality/SwimmingPoolsRecreationalWaters/index.htm
- **Coastal Currents – News from the S.C. Coastal Management Program**
www.scdhec.gov/HomeAndEnvironment/Water/CoastalManagement/ProductsServices/



www.scdhec.gov

CR-010960 7/14

PM_{2.5} Modeling Guidance

The U.S. Environmental Protection Agency (EPA) issued guidance on May 20 outlining suggested procedures for facilities that are required to submit air dispersion modeling for fine particulate matter (PM_{2.5}) as part of their permit applications.

The guidance includes procedures for addressing both primary and secondary formed PM_{2.5}. Also included is guidance on how facilities can properly address modeling for both the PM_{2.5} National Ambient Air Quality Standards (NAAQS) and Prevention of Significant Deterioration (PSD) increment standards in light of the January 22, 2013 remand of the PM_{2.5} significant impact levels (SILs).

For guidance, visit www.epa.gov/ttn/scram/guidance/guide/Guidance_for_PM25_Permit_Modeling.pdf.

The Bureau of Air Quality (BAQ) is a SmartWay® Transport Affiliate

SmartWay is a partnership between EPA and the freight industry to reduce fuel costs, emissions and energy use through the use of advanced technologies and operational practices.

In 2013, BAQ became a SmartWay Affiliate, joining EPA to promote the benefits of the SmartWay program. In November 2013, the BAQ, the South Carolina Trucking Association and EPA co-sponsored a SmartWay workshop.

SmartWay Partners in South Carolina say their business customers want sustainable shipping and lower emissions, and value participation in SmartWay. SmartWay tools provide high-quality data that partners can use to assess operations, improve efficiency, assist with environmental reporting efforts, and share with clients. On hearing about the available technologies, experiences of, and benefits to SmartWay Partners, most workshop participants said they were more likely to join the partnership.

SmartWay has over 3,000 partners, including the top 100 U.S. truck carriers and Fortune 500 shippers from every business sector. Over the last ten years SmartWay partners have saved 120 million barrels of oil and \$16 billion in fuel costs.

Visit www.epa.gov/smartway for more information on the program.



DHEC announces 'Spare the Air' Award recipients

Congratulations to the 2013 Spare the Air Awards winners:

- **Midlands Biofuels, LLC**, Outstanding Business;
- **Upstate Air Quality Advisory Committee**, Outstanding Community Improvement Campaign; and
- **S.C. State Ports Authority**, Outstanding Local Government.

Each year, DHEC seeks to honor businesses, organizations and individuals that have demonstrated environmental stewardship and dedication to sustaining and improving air quality in South Carolina.

The Spare the Air Program's goals are to: 1) promote a healthier environment through air quality initiatives that are sustainable and replicable; 2) educate, build awareness and motivate others to make better decisions about the environment through air quality improvements; 3) encourage positive behavioral changes that improve air quality; and 4) strengthen and build partnerships with businesses, organizations and the citizens of South Carolina to improve air quality.

If you are an environmental leader who has gone over and beyond your duties to promote and practice air quality improvement, we encourage you to submit an application to DHEC's 2014 Spare the Air Awards program. Applications will open in September.

For more information about the awards and to view a list of past winners, visit www.scdhec.gov/SparetheAirAwards.



DHEC hosts Air Quality Coalition Summit

DHEC hosted an Air Quality Coalition Summit June 18 in Columbia.

DHEC's Robbie Brown updated the coalitions about upcoming air quality issues and current monitor readings. Carol Jones and David Burgess with the S.C. Department of Transportation presented on traffic light synchronization and mass transit options. Consultant Elizabeth Igleheart discussed funding opportunities and grant writing tips for coalitions to consider when looking for additional funding revenues. Laura Bunte of the EPA discussed the ADVANCE program and highlighted what coalitions in other states are doing. Dean Hybl with Ten at the Top gave an overview of the voluntary programs his coalition has

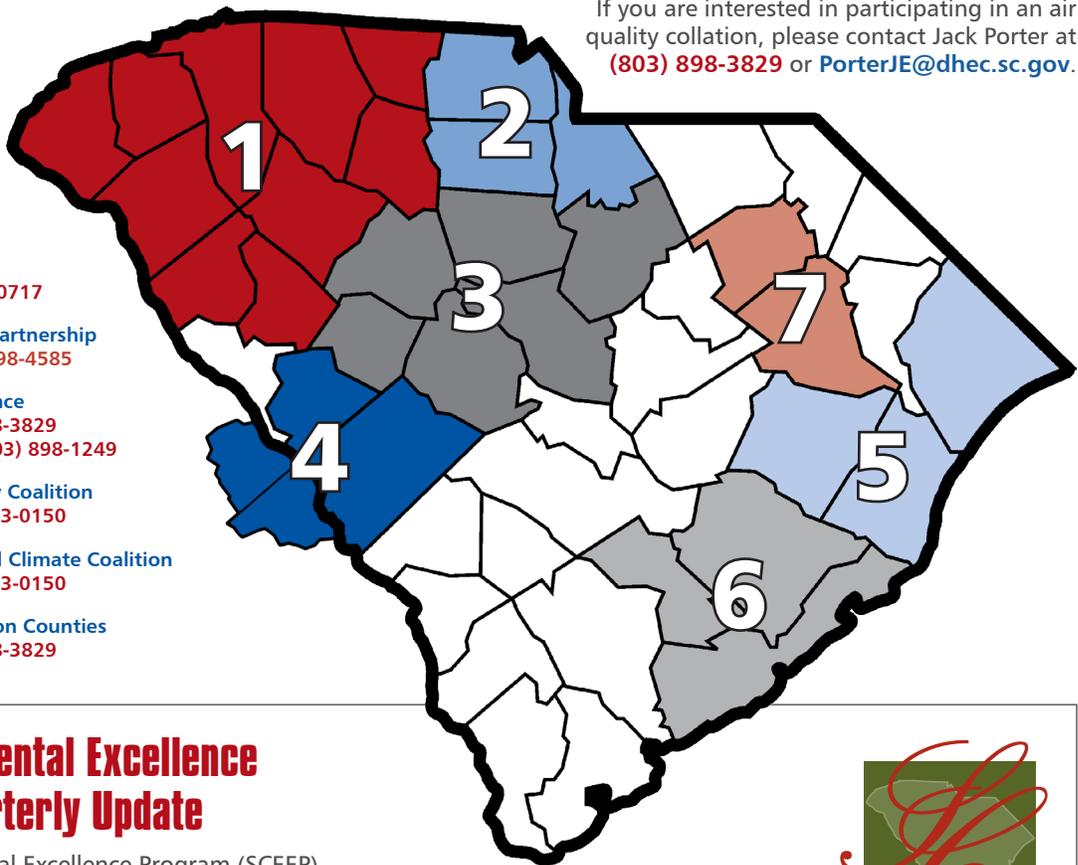
implemented. Participants also were able to network with their counterparts from around the state.

Air quality coalitions across the state are important partners in DHEC's efforts to bring cleaner air to South Carolina. By implementing voluntary programs, offering mass transit alternatives and considering ordinances that can improve air quality, these coalitions are making their areas a healthier and more desirable place to live.

The air quality coalitions around the state are comprised of local governments, industry representatives, academia and concerned residents. To learn more about these coalitions, visit www.scdhec.gov/HomeAndEnvironment/Air/OzoneAdvanceProgramforLocalGovernments/.

DHEC COALITION LIAISONS

- 1. Ten at the Top**
Brian Barnes – (803) 898 7099
- 2. Catawba Regional Air Quality Coalition**
Leslie Coolidge – (803) 898-3208
Lisa Clark – (803) 898-0717
- 3. Central Midlands Air Partnership**
Lawra Boyce – (803) 898-4585
- 4. CSRA Air Quality Alliance**
Jack Porter – (803) 898-3829
Karen Sprayberry – (803) 898-1249
- 5. Waccamaw Air Quality Coalition**
Randy Cook – (843) 953-0150
- 6. BCDCOG Clean Air and Climate Coalition**
Randy Cook – (843) 953-0150
- 7. Florence and Darlington Counties**
Jack Porter – (803) 898-3829



If you are interested in participating in an air quality coalition, please contact Jack Porter at (803) 898-3829 or PorterJE@dhec.sc.gov.

S.C. Environmental Excellence Program Quarterly Update

The S.C. Environmental Excellence Program (SCEEP) would like to recognize Shaw Areva MOX Services (Aiken) on being selected to renew their membership. Also, the following companies were selected as new members in the program: Bosch-Rexroth (Fountain Inn); Allied Air Enterprises (Orangeburg); and, Honda of South Carolina Manufacturing, Inc. (Timmonsville). Congratulations to all of these companies on their achievements. Each of these companies will be members in the program through 2017.

The SCEEP Advisory Committee has also accepted a new member, Ted Volsky, who will be representing the League of Women Voters. The next Advisory Committee meeting is scheduled for September 5, 2014.

Visit www.scdhec.gov/sceep or contact Rebecca Sproles at rebecca.sproles@dhec.sc.gov for more information on the SCEEP or to apply for membership.



S.C. SMART BUSINESS RECYCLING & GREEN HOSPITALITY PROGRAMS

DHEC announces five winners of 2014 Green Business Awards

DHEC's Smart Business Recycling and Green Hospitality Programs recently presented their 2014 awards. The winners are:

- **CCL Label**, Clinton;
- **Charleston County Park and Recreation Commission**, Charleston;
- **Hampton Inn & Suites Greenville Downtown**, Greenville;
- **Joint Base Charleston**, Charleston; and
- **Timken Company**, Honea Path.



Congratulations to these businesses!

Recycling has a positive impact on South Carolina's economy by creating jobs and revenue as well as saving businesses money through avoided disposal costs. Recycling also saves energy, reduces pollution and conserves natural resources. We would like to commend these businesses for their environmental responsibility and for playing an important role in making recycling successful in South Carolina.

Visit www.scdhec.gov/smartbusiness/Awards/ for more information on the 2014 award winners.

GREEN TIP:

White Roof vs. Green Roof vs. Black Roof

If your facility is looking at ways to reduce its environmental impact through energy reduction, look at your roof.

Black roofs absorb light and heat making the facility warmer and driving up cooling costs in the summer. According to a study in the March 2014 volume of Energy and Buildings, white roofs are the best choice when looking at a 50-year time span. Green roofs are good for energy reduction as well but cost more and do not reflect as much light as a white roof.

Visit <http://newscenter.lbl.gov/2014/01/21/white-green-or-black-roofs-berkeley-lab-report-compares-economic-payoffs/> for more information and to read the study.

For more information on how to reduce your waste and prevent pollution at your facility, contact DHEC's Office of Solid Waste Reduction and Recycling at **1-800-768-7348**.

Help the environment, improve your bottom line

Want to increase your recycling rate and improve your bottom line? The Green Hospitality and S.C. Smart Business Recycling programs can help!

Through technical assistance and certification, the programs help businesses reduce waste, conserve resources and reduce their environmental footprint.

We encourage lodging or food establishments to join the Green Hospitality Program and businesses to participate in the S.C. Smart Business Recycling Program.

Visit www.scdhec.gov/smartbusiness/ for fact sheets, tips and a guide for starting or improving a recycling program at your facility.



Regulatory Updates



Bureau of Air Quality (BAQ)

1. **Notice of Final Rulemaking: Environmental Protection Fees** – On June 27, 2014, DHEC's BAQ published a Notice of Final Regulation amending Regulation 61-30, Environmental Protection Fees, in the S.C. State Register. DHEC amended Regulation 61-30(G)(3), Schedule of Air Quality Fees, to increase fees in order to cover the cost of its Title V permit program. The amendments are mandated by federal law, therefore did not require legislative review, and became effective upon publication in the S.C. State Register.

The Notice of Final Regulation is available at www.scstatehouse.gov/state_register.php.

2. **Notice of Proposed Rulemaking: 2013 End of the Year Revision** – On June 27, 2014, DHEC's BAQ published a Notice of Proposed Regulation for the 2013 End of the Year Revision in the S.C. State Register. DHEC proposes to amend Regulation 61-62, Air Pollution Control Regulations and Standards, and the South Carolina Air Quality Implementation Plan (State Implementation Plan or SIP). DHEC proposes to amend:

- Regulation 61-62.5, Standard No. 2, Ambient Air Quality Standards, to incorporate the EPA's revision to the NAAQS for PM_{2.5}, Sulfur Dioxide (SO₂), and Nitrogen Dioxide (NO₂); and
- Regulations 61-62.60, South Carolina Designated Facility Plan and New Source Performance Standards, and 61-62.63, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Categories, to incorporate by reference recent federal amendments promulgated from January 1 through December 31, 2013.

The proposed amendments are mandated by federal law and do not require legislative review.

DHEC will receive comments on the proposed revisions until July 28, 2014.

This notice is available at www.scstatehouse.gov/state_register.php.

3. **Proposed Carbon Pollution Standards for Modified and Reconstructed Power Plants** – On June 2, 2014, the EPA proposed standards to address carbon dioxide (CO₂) emissions from reconstructed and modified power plants. This action would only apply to a unit that meets certain, specific conditions described in the Clean Air Act and implementing regulations for being "reconstructed" or "modified."

Visit www2.epa.gov/carbon-pollution-standards/proposed-carbon-pollution-standards-modified-and-reconstructed-power for more information.

4. **Clean Power Plan to Control Greenhouse Gas Emissions from Existing Power Plants** – On June 2, 2014, the EPA published a proposed rule for existing power plants. The proposal provides guidelines for states to develop plans to meet state-specific goals to reduce carbon pollution and gives states the flexibility to design a program that makes the most sense for their unique situation. States are to choose the mix of generation using diverse fuels, energy efficiency and demand-side management that will meet the goals and their own needs. The EPA has 11 listening sessions planned for the month of July 2014.

Visit www.epa.gov/climatechange for more information.

5. **2008 Ozone NAAQS Marginal SIP Nonattainment Plan** – On May 30, 2014, DHEC submitted a Pre-Hearing SIP package to the EPA addressing the requirements for a 2008 ozone marginal nonattainment area including an emissions inventory. A public hearing was scheduled, but cancelled after no request was received. A final submittal was due to EPA by July 20, 2014. For more information, contact Roger Jerry at jerryre@dhec.sc.gov or (803) 898-1799.

This notice is available at www.scstatehouse.gov/state_register.php.

6. **Data Requirements Rule for the 1-Hour SO₂ Standard** – On May 13, 2014, the EPA published in the Federal Register a proposed rule directing state and tribal air agencies to provide data to characterize current air quality in areas with large sources of SO₂ emissions if such areas do not have sufficient air quality monitoring in place to identify maximum 1-hour SO₂ concentrations. The proposed rule describes criteria for identifying the sources around which air agencies would need to characterize SO₂ air quality. It also describes a process and timetables by which air agencies would characterize air quality around sources through ambient monitoring and/or air quality modeling techniques and submit such data to the EPA. The EPA has issued separate non-binding draft technical assistance documents on how air agencies can conduct such monitoring or modeling. The air quality data developed by the states in accordance with this rulemaking would be used by the EPA in future rounds of area designations for the 1-hour SO₂ NAAQS. Comments were due by July 14, 2014.

This proposal is available at www.gpo.gov/fdsys/pkg/FR-2014-05-13/pdf/2014-09458.pdf.

Regulatory Updates

Bureau of Land and Waste Management (BLWM)

1. **Compost** – Upon publication in the S.C. State Register on June 27, 2014, Regulation 61-107.4 Compost and Mulch Production from Land-clearing Debris, Yard Trimmings, and Organic Residuals became effective. View Regulation 61-107.4 at www.scdhec.gov/Environment/docs/R61-107_4.pdf.

The revised regulation addresses a wider variety of feedstock, grouped into three feedstock categories, and divides compost/mulch facilities into three corresponding facility types. The regulation was amended to promote the recycling of food waste and other compostable organics.



Please direct any questions about this regulation to BLWM's Patrick Brownson at brownsdp@dhec.sc.gov, Joan Litton at littonjf@dhec.sc.gov or Jana White at whitejm@dhec.sc.gov.

2. **Electronics** – During the current legislative session, the General Assembly amended the S.C. Manufacturer Responsibility and Consumer Convenience Information Technology Equipment Collection and Recovery Act. House Bill 3847 was ratified (R. 134) on February 27, 2014, and signed into law on March 4, 2014. DHEC has initiated the statutory process to promulgate a regulation to satisfy the requirements of the Act as amended.



3. **Notices of Draft** – Notices of drafting to revise two existing regulations have been issued:

- R.61-107.19 Solid Waste Management: Solid Waste Landfills and Structural Fill; and
- R.61-107.3 Solid Waste Management: Waste Tires.

Written comments regarding the Landfill regulation drafting notice must be received no later than 5 p.m. on July 28, 2014.

Bureau of Water (BOW)

1. **Water Classifications and Standards R.61-68** – The Clean Water Act (CWA) requires states to review their water quality standards once every three years to incorporate revisions to the standards as necessary. Hence the process is referred to as the Triennial Review. The most significant revision to the water quality standards regulation (Regulation 61-68) that occurred during the recent Triennial Review was the addition of a new standard for methylmercury in fish tissue. EPA issued a new criterion for a methylmercury standard and, once guidance was finalized, DHEC adopted the standard in accordance with the CWA. This new standard measures the amount of methylmercury in fish tissue as opposed to the normal standard of a pollutant level in the water column. This is a more direct representation of the potential exposure. DHEC also added language to the water quality standards to provide guidance on implementing the standard. The regulations were approved by the South Carolina legislature during the past legislative session and were published in the S.C. State Register on June 27, 2014. They will become final once they have been approved by the EPA. For further information, contact Heather Preston at prestohs@dhec.sc.gov.

public swimming pool users and decrease the potential for accidents and injuries through better lifeguard coverage. In 2012, the General Assembly changed the law governing swimming pools, therefore, the pool regulations had to be changed to be consistent with the law. In addition, these amendments help make the regulations more understandable by incorporating a definition change and minor changes to grammar and citation references. The regulations were published in the S.C. State Register on June 27, 2014. Contact Doug Kinard at kinarddb@dhec.sc.gov for further information.

2. **Public Swimming Pools R.61-51** – In 2014, the regulations for public swimming pools, R.61-51, were amended and passed through the General Assembly. The amendments seek to better protect the health of

3. **Water Pollution Control Permits R.61-9** – Polychlorinated Biphenyls (PCB) Update: The BOW sludge land application regulation addressing PCB monitoring became effective when it was published in the June 27, 2014 State Register. For further information, contact Jeff DeBessonnet at debessjp@dhec.sc.gov.

Additional opportunities will be provided for comment on drafts proposed by DHEC on any of the regulations being revised. For regulation development updates, visit www.scdhec.gov/Agency/RegulationsAndUpdates/RegulationDevelopmentUpdate/.