

April 2011



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Air & Waste Management Association Lake Michigan States Section Newsletter[®]



May 13 - Section Annual Luncheon at Parthenon Restaurant, Chicago
(See page 7 for full information)

May 26 - Waste Conference
Abbington Banquets
Exhibitor Opportunities Available

June 6 - White Sox Outing
(See page 8 for full information)

November 2 - Air Primer

November 3 - Annual Air Conference



RCRA Here and Now May 26, 2011

Abbington Banquets
3 South 002 IL Route 53 (Route 53 and Butterfield)
Glen Ellyn, IL 60173
www.abbingtonbanquets.com

Lake Michigan States Section of the Air & Waste Management Association will be hosting the annual one day waste conference to provide environmental professionals a better understanding of the recent and emerging developments pertaining to the treatment, storage, and disposal of hazardous materials and solid wastes. This seminar is directed to hazardous waste generators, environmental managers, TSD facility operators, environmental consultants, compliance specialists, environmental attorneys, and regulators who to want keep up with RCRA waste issues.

This year, prominent leaders from government, industry, legal and consulting have been invited to provide attendees information and insights on the topics of compliance, including State and Federal updates and discussions of Generator and Transporter Requirements, Green Remediation, Construction Debris Management & Disposal and Other Hot Topics, including Universal Waste, Green Washing and the newly proposed Definition of Solid Waste.

A networking reception will be held immediately following the conference.

There will be space for a limited number of exhibitors. Cost will be \$550 for a 6' tabletop display. Exhibit cost includes one full registration plus additional amenities.

Watch future conference announcements for additional details.

EPA Issues Final Industrial Boiler MACT Rule

By: **Christina M. Landgraf**

Section 112 of the Clean Air Act, 42 U.S.C. § 7412, requires that the United States Environmental Protection Agency (EPA) set National Emissions Standards for Hazardous Air Pollutants (NESHAPs) that reflect Maximum Achievable Control Technology (MACT). Owners of industrial, commercial and institutional boilers soon will be required to comply with new, stricter air regulations. On March 21, 2011, EPA published a final rule, known as the NESHAP for Industrial, Commercial and Institutional Boilers and Process Heaters. 76 Fed. Reg. 15608 (Mar. 21, 2011); 76 Fed. Reg. 15554 (Mar. 21, 2011). The final rule, which is commonly known as the “Boiler MACT,” will affect numerous industries, including paper mills, refineries, and chemical and manufacturing plants.

The most recent proposed rule for the Boiler MACT was issued in April 2010, in response to a court-imposed deadline. EPA received more than 4,800 public comments on the April 2010 Boiler MACT proposed rule. One notable aspect of the proposed rule was that existing boilers reportedly would not have been able to meet the proposed limitations. Maximum Achievable Control Technology (MACT) is a calculation of the average of the top twelve (12) percent of the best-performing units. However, because EPA reportedly took the top 12% of the best-performing units for each pollutant and combined them into a single standard, existing boilers could not meet the standard, leading those in the industry to suggest the proposed rule would require the installation of a “Frankenboiler.”

Based upon the thousands of public comments EPA received, EPA made extensive revisions to the rule. Because the final rule differs significantly from the proposed rule, EPA has stated that it intends to reconsider certain aspects of the final rule, and may seek public comment on those portions of the final rules for large and small boilers and solid waste incinerators that it will reconsider. 76 Fed. Reg. 15266 (Mar. 21, 2011). The new standards will become effective no sooner than March 2014.

The Boiler MACT applies to industrial, commercial and institutional boilers and process heaters that are located at facilities deemed to be a “major source” of HAP emissions. That includes any facility that has the potential to emit 10 tons per year of any single HAP or 25 tons per year of any combination of HAPs. The rule requires each boiler to meet emission limits or work practice standards (based upon which subcategory the boiler comes under), meet operating limits, and demonstrate compliance on an annual and a continuous basis.

Certain boilers do not need to meet emission limitations and are only required to meet a work practice standard, which consists of a boiler tuneup. All new and existing boilers that have a heat input capacity greater than 10 MMBtu/hour or have a federally enforceable limit to operate less than 8760 hours per year must conduct a boiler tuneup every two years. New and existing Gas 1 units (natural-gas fired or refinery-gas fired) must conduct a tuneup every year.

All other boilers (such as solid fuel-fired, liquid fuel-fired or process gas-fired) with a heat input capacity greater than 10 MMBtu/hour must meet emission limits and operating limits particulate matter, mercury, hydrogen chloride, carbon monoxide and dioxins/furans.

Emission limits are based upon whether the boiler is existing or new, the fuel type and the boiler type. The emissions limitations for new boilers are more stringent than those for existing boilers. In addition to meeting emissions limits, boilers must also demonstrate continual compliance through annual stack testing, continuous monitoring of operating limits, record keeping and reporting. Boilers with a heat input capacity greater than 250 MMBtu/hour must install a particulate matter continuous emissions monitor.

According to EPA, the new standards will reduce toxic air emissions, including mercury and soot, and

Boiler MACT Rule (con't.)

would cut the cost of implementation by about 50% from an earlier proposal issued last year, from \$3.6 billion to \$1.8 billion. EPA stated that these cost reductions result from allowing industrial boilers that burn renewable fuels to forego the installation of expensive technologies for decreasing emissions. In addition, operators of smaller boilers will be allowed to meet requirements with maintenance, rather than installing new equipment.

The types of boilers and incinerators covered by the updated standards include the following:

- (1) **Boilers at major sources.** EPA estimated that there are over 13,500 boilers located at major sources, including refineries, chemical plants, manufacturing plants, and other types of industrial facilities that will be subject to the Industrial Boiler MACT rule. The rule is expected to have the most significant impact on facilities with boilers that burn coal or biomass. EPA estimates that there are approximately 600 coal-fired boilers and 400 biomass-fired boilers affected by the rule. The new emission limits may force owners of these solid fuel-fired boilers to significantly upgrade their existing pollution control equipment, consider switching to natural gas-fired boilers, or shut down the boilers entirely.

The air pollution control upgrades for solid fuel-fired boilers could take many different forms, and the costs for such modifications vary depending upon the boiler size, fuel type and retrofit complexity. Capital costs reportedly could range from less than \$1 million for a sorbent injection system to more than \$10 million for a scrubber.

- (2) **Boilers at area sources.** EPA estimated that there are about 187,000 boilers located at universities, hospitals, hotels, churches, and commercial buildings that may be covered under these standards. EPA has

revised the requirement covering these sources from MACT to Generally Available Control Technology (GACT). They will now be required to perform tuneups every two years. Burning natural gases and other types of clean fuels also meets the new standard.

- (3) **Solid Waste Incinerators.** EPA estimated that there are about 80 incinerators that burn waste at a commercial or industrial facility, including cement manufacturing facilities. These standards, which the facilities will need to meet by 2016, will impose standards for pollutants such as mercury, lead, cadmium, nitrogen dioxide and particle pollution.
- (4) **Sewage Sludge Incinerators.** In a separate but related action, EPA is finalizing emissions standards for sewage sludge incinerators.

Compliance planning to ensure compliance with the Boiler MACT is crucial. Some facilities are starting to conduct compliance studies to establish baseline emission information and compare that information against the Boiler MACT emission limits. Some of the compliance studies include stack testing. Such compliance studies take several months to complete, and air pollution control retrofits or new boiler installations can take several years to complete. Facilities should be aware of these new regulations and stay out in front of the compliance issues that may arise in connection with the new rules.

For further information, please contact Christina M. Landgraf of Barnes & Thornburg, LLP, at clandgraf@btlaw.com.

ILLINOIS GOVERNOR'S OFFICE

Governor Quinn Announces Key Appointment

IEPA Director Doug Scott to Lead Commerce Commission

Governor Quinn named Doug Scott as chairman of the Illinois Commerce Commission (ICC). Scott has served as director of the Illinois Environmental Protection Agency (IEPA) since 2005. Governor Quinn also named Lisa Bonnett as interim director of IEPA.

“Throughout his career, Doug Scott has proven himself to be a strong advocate for the interests of Illinois’ working families,” said Governor Quinn. This appointment allows him to keep fighting for Illinois’ consumers by ensuring proper oversight and regulation of utility companies.

As director of the IEPA, Scott has protected Illinois’ consumers by working to significantly reduce emissions from the state’s power plants. He has also worked to support low-emission coal technology, wind power, and other alternative energy and fuel sources. Prior to leading the IEPA, Scott served as mayor of Rockford, and from 1995 to 2001 he served as state representative from Illinois’ 67th District. Scott has a bachelor of arts from the University of Tulsa and a juris doctorate from Marquette University.

Lisa Bonnett will serve as the interim director of the IEPA. Bonnett is currently serving as the agency’s acting deputy director and previously served at its chief fiscal officer. Bonnett has worked in state government for more than 30 years and lives in Springfield. She has a bachelor’s degree and master’s degree from the University of Illinois at Springfield.

Illinois Governor’s Sustainability Awards

The Illinois Sustainable Technology Center (ISTC) is now accepting applications for the 2011 Illinois Governor’s Sustainability Awards http://www.istc.illinois.edu/info/govs_awards.cfm. 2011 marks the 25th year of this prestigious award!

The deadline for application submittal will be the close of business on May 27, 2011. Applications will only be accepted electronically. Details can be found on the website.

The award ceremony will be held in Champaign on October 27, 2011.

Please feel free to forward this announcement to your colleagues that may also be interested in the program. For more information contact:

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djacobson@istc.illinois.edu
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Institute of Natural Resource Sustainability
University of Illinois
1010 Jorie Boulevard, Suite 338
Oakbrook, IL 60523
630/472-5019
630/472-5023 Fax



2010 Continuous Improvement Award Winner - Abbott; Manohar Kulkarni, ISTC Director; Steve Sonka, University of Illinois Office of Sustainability Director

A&WMA - LMSS 2011 OFFICERS & DIRECTORS

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A&WMA ANNUAL CONFERENCE & EXHIBITS (ACE)

2013 Annual Conference & Exhibit

Your section, the Lake Michigan States Section, has been invited to submit a proposal to host the 2013 ACE in Chicago. A committee has been formed to put the proposal together and it will be presented to the A&WMA Board at this year's ACE in Orlando.

We have never hosted the ACE and it would be an exciting opportunity to showcase our great city. If you are interested in assisting in developing the proposal, please contact Committee Chair, David Rieser at drieser@mcguirewoods.com.

The A&WMA Board of Directors will vote on the 2013 ACE location at their June meeting. If we are selected, we will need the support and assistance of you, the members. Watch future newsletters for additional information on how you can get involved.

BEYOND ALL BORDERS 104th Annual Conference and Exhibition

<http://events.awma.org/ace2011/index.php>

Conference: June 21-24, 2011

Exhibition: June 21-23, 2011

Disney's Coronado Springs Resort
Orlando, Florida

This year's theme "Beyond All Borders" will focus on how environmental challenges often stretch beyond the political, geographic, and cultural lines people have developed, involving diverse communities in their eventual solutions.

Regional topics related to the Gulf of Mexico Oil Spill; air quality modeling; carbon dioxide; environmental management of ports, marinas, and shipyards; waste disposal on the Gulf Coast; and environmental issues related to transportation will be presented. Over 500 platform and 150 poster presentations will make up this year's technical program.

The 2011 Critical Review focuses on one of the largest environmental challenges to modern society: managing electronic waste.

Take advantage of the numerous networking, social, and family friendly events; professional development courses taught by leading experts; technical tours; and hundreds of exhibitors displaying the latest products and services. Join us in Orlando in June as you network with colleagues and make new contacts while experiencing some of the magic of Disney!

In 2009 the A&WMA - Lake Michigan States Section established a new graduate student scholarship in memory of Mr. Stephen H. Rothblatt. Mr. Rothblatt was a long time supporter and contributor to the A&WMA - LMSS, including serving as Chairman of the Board from 1987-1988. In his professional capacity Mr. Rothblatt was the Director, Air and Radiation Division, U.S. Environmental Protection Agency, Region 5, headquartered in Chicago, Illinois. In May 2010, the first scholarship of \$750 was awarded to Hua Wei who is pursuing a PhD in Public Health Sciences from the University of Illinois at Chicago. At the May 13, 2011 Section Annual Luncheon we will be awarding the 2011 \$1,000 scholarship to this year's outstanding graduate student - join us to meet this year's recipient!

We continue to solicit donations from our members and friends for this scholarship fund. As a Section, we feel that scholarship programs are a vital function and provide needed support to the future environmental professionals within the territory of the Lake Michigan State Section. Ideally, we will be able to provide several generous scholarships to reflect the strength of our membership. The fund amount each year will be dependent upon annual donations and/or the interest generated from the investment fund.

Since the scholarship program will be funded strictly through the generosity of our members and supporting businesses, the Section's Board of Directors is hopeful that you will give serious consideration to making a tax-deductible donation in support of this program.

Please consider making a donation today! Make your check payable to A&WMA-LMSS Scholarship Fund and mail to A&WMA-LMSS, 11 W Pleasant Hill Blvd, Palatine, IL 60067.

***Recent Contributors
to the Stephen
Rothblatt Scholarship
Fund:***

*Mark Rood
Dennis Lawler
IMTT*



Have you visited our website lately? We are continually working to upgrade it and keep it current. We've added the **Help Wanted** tab and are now including a "Job Wanted" section for resumes.

The **scholarship applications** were available during the application time frame and once this year's scholarships are awarded we will be posting that information with pictures.

Under the **Conference** and **Newsletter** tabs you can find past conference handouts and newsletters.

On the **calendar**, we are trying to list not only our events, but those events being offered by other organizations that might be of interest to our members.

If you have suggestions to improve the website please send them to robin.pelsis@LMAWMA.org.



Section Annual Luncheon

Air & Waste Management Assoc. Lake Michigan States Section

2011 Annual Luncheon Meeting

May 13, 2010

**Parthenon Greek Restaurant
314 S. Halsted Street
Chicago**

This meeting is a favorite event of Lake Michigan States Section members and always an enjoyable time for attendees. This is a great event to meet and exchange ideas with other environmental professionals. The recipient of the ever popular **Perry Fisher Award** will be announced during the luncheon as well as the awarding of the **1st Stephen Rothblatt Scholarship**.

Times: 11:30 a.m. Registration
12:00 noon Lunch
12:45 p.m. Presentations
1:00 p.m. **Special Guest Speakers - Jeff Muffat, President A&WMA and Mike Kelly, Executive Director A&WMA will provide an update on the status of our organization and what the future holds for the organization.**

Cost to attend: \$50 members
\$55 non-members
\$15 students
\$20 past chairs

This is an excellent opportunity to introduce A&WMA to fellow environmental professionals. Bring a guest and the cost for their attendance is only \$45.

To register: Online registration is available at www.LMAWMA.org or contact Robin Pelsis at (847) 202-0418 or robin.pelsis@lmawma.org.

Come Watch the Chicago White Sox take on the Seattle Mariners On Monday, June 6, 2011

Game Starts at 7:10 pm



AIR & WASTE MANAGEMENT
ASSOCIATION
Lake Michigan States Section



AIR & WASTE MANAGEMENT
ASSOCIATION
Lake Michigan States Section

\$6.50 each- AWMA members

\$13.50 each- Non-members

55 seats available, first come-first served.

All attendees will be responsible for their own food, beverages, and travel.

**Register and Pay On-line @
Imawma.org**

**Contact Dean Apostolopoulos @
dapostolopoulos@cleanair.com**

with questions



Member Announcements

ST.JOHN-MITTELHAUSER & ASSOCIATES OPENS THEIR FIFTH MIDWEST OFFICE IN INDIANAPOLIS, IN

St.John-Mittelhauser & Associates (SMA) is pleased to announce the opening of their Indianapolis, IN office under the direction of Mark Detroy. Mark has 30 years of experience managing projects for the investigation, assessment and remediation of contaminated media including soils, surface water, groundwater and indoor air. Also joining the Indianapolis team is Bob Reynolds, a Licensed Professional Geologist with over 30 years of experience in geology, hydrogeology, environmental engineering and project management.

Indianapolis is the fourth regional office opened by SMA in the last 2 ½ years. Other offices include Hartford, Illinois; Kalamazoo, Michigan; Rockford, Illinois; and the home office in Downers Grove, Illinois.

For more information please contact Hank Mittelhauser (hankm@st-ma.com) or visit our web site at www.st-ma.com.

ARCADIS US MERGES WITH MALCOLM PIRNIE INC.

Founded in 1888, **ARCADIS** is part of a global network of business professionals that provides project management, consultancy and engineering services to enhance mobility, sustainability and quality of life. On July 10, 2009 ARCADIS finalized a merger with Malcolm Pirnie, now a wholly-owned subsidiary of ARCADIS US. Malcolm Pirnie Inc., is a century-old environmental consulting firm, providing governmental and industrial clients with comprehensive services in water and wastewater engineering, solid and hazardous waste management, environmental sciences and, through its Red Oak Consulting Division, a wide range of management and IT consulting services. Malcolm Pirnie brings a diversified staff of over 1700 engineers, scientists and consultants in 60+ offices.



Platt Environmental Services, Inc. is currently looking for both experienced and entry level emissions testing personnel to join a rapidly growing firm staffed with experienced personnel and new state of the art equipment.

Please contact Jim Platt or Eric Ehlers at 630-521-9400 or fax your resume to 630-521-9494 or email us at hr@plattenv.com

Section Sponsors



EISENMANN



**BUREAU
VERITAS**



A&WMA-LMSS offers Section Sponsorships to our member companies. Sponsor contributions allow the Section to continue to meet our budgetary goals while pursuing our mission to promote a better understanding of environmental management among control officers, research personnel, educators, students, representatives of industry and the general public within the geographic area of the Section, and to provide a means for the interchange of information directed toward solving these problems.

Section Sponsors will receive:

- ◆ Member rate on all Section sponsored events for employees of a sponsoring organization.
- ◆ 10% discount on Exhibitor Fee at upcoming conferences
- ◆ Your logo and website link posted on our website sponsor page.
- ◆ Homepage of our website will have randomly selected sponsor logos displayed in a prominent location. This logo changes each time the page is displayed or refreshed.
- ◆ Recognition in our newsletter.

We request your organization's support as a financial sponsor of the Lake Michigan States Section through a contribution of \$500 for a one-year sponsorship.

In addition to Sponsorships we are also offering a **\$1,000 Scholarship Endowment Sponsorship**. In addition to the Sponsors benefits, sponsors at this level will be identified as a Scholarship Endowment Sponsor on all conference materials and publications. Scholarship Endowment Sponsors will also receive recognition at the Scholarship awards presentation.

Memberships

Do you know someone you think should be a member of our organization? ***A&WMA is currently offering a special membership program;*** if you have not been a member for the last 12 months, ***you can join for \$135 instead of the standard \$180.*** This savings is only for the first year of membership and you must submit a special application form (no online registration for this special). If you are interested, please contact Robin Pelsis at robin.pelsis@LMAWMA.org to request the application.

In addition to the membership categories listed here, the Lake Michigan States Section also offers a *Local Associate* membership for \$45. This Local Associate membership allows you to participate in the Lake Michigan States Section events and conferences at a member rate and receive our newsletter but you cannot vote in A&WMA elections or hold office. This is a great option if you're new to the field and want to try us out for a year before paying for a full Individual Membership with A&WMA or find a membership with the local section meets your professional needs at this time. An application for Local Associate membership can be found on our website at www.LMAWMA.org.



Are you signed up for the correct membership category? Below is a review of the various membership categories. If you find you should change your membership, please contact A&WMA Membership at **1-800-270-3444**

Individual Membership (\$180)

[See paragraph to left about opportunity to join for \$135]

This is a full membership that includes:

- A print subscription to one of A&WMA's monthly magazines, *EM* or the *Journal*
- Access to both *EM* and the *Journal* online (with archives back to 1997)
- Access to the online A&WMA membership directory
- Reduced pricing on A&WMA events and technical publications
- Access to local networking events
- And much more!

Organizational Membership (\$435/company + \$65/employee)

This membership is beneficial and cost-effective for companies and organizations with three or more environmental professionals and includes:

- A deluxe membership for the primary representative
- Reduced individual rates for additional organization employees
- Discounts on exhibits and advertising with A&WMA

Young Professional Membership (\$93)

This membership is designed for younger professionals (under 35 years old), and includes all of the benefits of a full membership at a reduced rate.

Student Membership (\$35)

Full-time undergraduate or graduate students are eligible for this discounted membership, which includes all of the benefits of an individual membership.

- A&WMA student members are entitled to a free one-year electronic membership upon graduation

Local Associate (includes Government Employee) (\$45)

- A&WMA-LMSS newsletter
- Discount on all local Section programs