



The Monitor

Louisiana Section of Air & Waste Management Association

Message from the Chair

Special points of interest:

- YP Golf Tournament will be held on May 2nd at Pelican Point in Gonzales. Mark your calendars! See page 2 for more information!
- Scholarship Applications will be accepted until April 30th. Please contact Karen Blakemore for more information.
- Don't forget to register for the March Dinner meeting at Captain Anderson's in Gonzales on March 21st.

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“Many people will be drawn to you for your wisdom and insights.” The budget committee meeting was held at a Chinese restaurant. The waiter brought one extra fortune cookie and this is the fortune from the cookie that I said was for the LA Section. Compare this with the Mission of A&WMA “to assist in the professional development and critical environmental decision-making of our members to benefit society” and the Goal of A&WMA “to improve environmental knowledge and decisions by providing a neutral forum for exchanging information.” I think the Chinese are on to something!

At the budget meeting we learned that once again our section is financially strong due primarily to the strength of our fall conference. This gives us the ability to give scholarships, help with student membership, support environmental educational efforts in our local schools, and support our Young Professional group.

At our January meeting, we presented a \$2,000 award to St. Thomas Moore teachers Mrs. Althea Ourso and Mrs. Thuy To for their application. We had hoped to present more awards but had only one application. If you are a parent (aunt, uncle, grandparent, etc.) with kids still in school, please let your science teachers know that this program is available. Throughout the years we have been able to assist teachers at all levels with their science programs. Although it may not seem like a lot of money, with tightening budgets, our awards can help support unique ideas. We also give the winning school Environmental Resource Guides that include experiments to assist the teachers in their important work.

It's also about time for our scholarship applications to go out. This year we will give one \$5,000 award and two \$2,500 awards to deserving students studying environmental programs at the undergraduate or graduate level. Please keep your ears open for students that might be interested and let them know when the applications are available.

Your board had a very productive strategic planning meeting in November. In the coming year, we plan to focus on increasing member involvement, providing programming in other areas of the state (such as north Louisiana), increasing the value of the Education program to students (such as increasing our top scholarship), developing a student mentor program, and improving communication with the environmental agencies in the state.

Of course, as a volunteer organization, none of this would happen without our wonderful volunteers. And the more volunteers, the more we can accomplish! To that end, Cindy

Continued on page 2...

Thompson (our new director) has agreed to accept the role of Volunteer Coordinator. If you've always wanted to help but weren't sure what needed to be done, please contact Cindy. She is in touch with all the committee chairs and will be happy to help you find the right fit with the committee's needs. Whether it's writing an article for the newsletter, judging at the science fair or helping mentor the LSU Student Chapter, no job is unimportant.

The premier event for the A&WMA is the annual conference and exhibition (ACE). This year's conference will be in Chicago June 24 through June 28. If you've never been to an ACE, I highly recommend it. The program prepared by the Technical Committee is always outstanding and there are many opportunities for networking with other professionals. It's even more important for the LA Section to support ACE because we have been awarded the 2016 ACE! In the coming year or so, we'll be putting together the local host committee. ACE 2006 was also held in New Orleans and we're looking forward to showing our fellow members how far we have come in the 10 years since Hurricane Katrina devastated the city. We'll need lots of volunteers to make it the best ACE ever so contact Cindy and get started!

Now, what did I do with the fortune from MY cookie? I think I need to get a lottery ticket.....


Karen Brignac
LA Section Chair

The Young Professionals have been busy!

The Louisiana Section's YP February Event was held on February 20th with an attendance of nearly 50! The evening's topic was RCRA focusing on the Corrective Action Process and how Louisiana handles implementation of the program. Charles Munce of Conestoga-Rovers & Associates (CRA) and Will Steele of the Louisiana Department of Environmental Quality (LDEQ) were the night's presenters. A big thank you to our presenters and to CRA for their sponsorship of the evening's event.

The next YP function will be held in conjunction with the Louisiana Section March Dinner Meeting on March 21st. A Boiler MACT Introductory workshop (hosted by the Sections YP group) will provide regulatory foundation for the Boiler MACT rules in preparation of the International A&WMA 2-day Boiler MACT Workshop to be held in New Orleans on April 23-24, 2013. Details will be made available on the sections website la-awma.org as well as information regarding the 3rd Annual YP golf tournament to be held on May 2nd, 2013 just outside of Baton Rouge.

Jason Midgett
Young Professional Chair



3rd Annual Louisiana Section Golf Tournament

Registration for the Golf Tournament is now open! [Click here](#) to register.

When: May 2, 2013
Time: Registration begins at 9:30
Tee-off at 10:30
Location: Pelican Point Golf Course

Visit www.la-awma.org for registration and sponsorship information.

January Dinner Meeting

The January dinner meeting was held at Messina's in Kenner on January 24th. The meeting was held in conjunction with the Louisiana Brownfields Association (LBA). Melanie Hanks of the LBA and Duane Wilson of LDEQ presented on current Brownfields in Louisiana. To learn more about the Brownfields Initiative and Voluntary Remediation Program in Louisiana, visit www.deq.louisiana.gov/brownfields.

Also, Education Co-Chair Kevin Calhoun presented the Adopt-A-School award to Althea Ourso and Thuy To of St. Thomas More in Baton Rouge. Ms. Ourso's fourth grade class and Ms. To's third grade class will use the money to sponsor Science Day for third and fourth graders. Science Day is an interactive program that is a part of the Core Curriculum. It will be held in conjunction with classroom units. The Louisiana Section would like to congratulate Ms. Ourso and Ms. To on the Adopt-A-School Award!



Above: Education Co-Chair Kevin Calhoun presenting Thuy To and Althea Ourso of St. Thomas More in Baton Rouge with the Adopt-A-School Award.

Left: Duane Wilson and Melanie Hanks of LBA with Speaker Chair Michael Waguespack.

Lower Left: Young Professionals with Adopt-A-School winner, Ms. To, of St. Thomas More in Baton Rouge, LA.

Below: Members socializing at the January Dinner Meeting.



Southwest Chapter Update

The Southwest Louisiana Chapter of A&WMA hosted its first quarter luncheon for 2013 on Tuesday, March 5. The event was held at Reeves Uptown Catering in Lake Charles, Louisiana. The lunch featured presentations by Shawn Pritchett of Sage Environmental Consulting, Dwight Minton of IMCAL, and Michael Vince of LDEQ. Shawn Pritchett gave a regulatory update on the following rule changes: RICE NSPS/MACT, Major Source Boiler MACT, PM 2.5 NAAQS, and Petroleum Refineries NSPS Subpart Ja. Dwight Minton discussed EPA Ozone Advance and PM Advance Program for Southwest Louisiana, and the event concluded with Michael Vince discussing the local efforts in regards to the Advance Programs previously mentioned.

The Southwest Louisiana Chapter also hosted a lunch and viewing of A&WMA's webinar: **Using NASA Satellites for the Study of the Environment: Health and Air Quality Applications** on Tuesday, March 12. The webinar featured the background of the Health and Air Quality Applications program, recent accomplishments, and plans for the future. The webinar also included a discussion of the mission of NASA Earth Science and Applied Sciences, an overview of current assets in orbit, examples of accomplishments in the Health and Air Quality portfolio in transferring NASA research results to operational partners, an overview of future NASA satellites, and a description of planned funding opportunities for the community. Lunch for the webinar was provided by the area's local consulting companies.

The SWLA chapter will host its second quarterly luncheon at Reeves Uptown Catering in Lake Charles, Louisiana on Tuesday, May 7. This luncheon will include an LDEQ update on current regulatory issues. To get more information on future events hosted by the Southwest Louisiana Chapter of A&WMA, please contact Mike Dever (mikedever@providenceeng.com) or Morgan Verrette (morgan.verrette@sageenvironmental.com).

Morgan Verrette

SW Chapter Programming Co-Chair



Above: Shawn Pritchett presenting at the Southwest Chapter Lunch Meeting.



Heater & Boiler MACT Guidance for 98% of Louisiana's Industry (Summary of Impacts on Existing Gas-Fired or "Gas 1" Units)

What is almost certainly the "true-final" version of the major source Heater & Boiler MACT rule (H&B MACT) was published in the January 31, 2013 *Federal Register*. This final version of the regulation is codified at 40 CFR 63 Subpart DDDDD as the National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. Based on EPA's reconsideration of certain aspects of the rule, this "true-final" version of the H&B MACT contains a number of changes since EPA published the last iteration of the rule in the March 21, 2011 *Federal Register*.

This article is targeted to the vast majority of Louisiana industrial facilities that fire their heaters and boilers with either natural gas or refinery fuel gas. The purpose of this article is to narrow the discussion of H&B MACT requirements to units in the rule's "Gas 1" subcategory, which includes heaters and boilers that fire natural gas and/or refinery fuel gas. The "true-final" requirements for units in the "Gas 1" subcategory are summarized below.

Major Source "Gas 1" Subcategory Units – General Requirements and Deadlines

- Final compliance deadline: **January 31, 2016** (3 years after the date of rule publication in the *Federal Register*) [63.7495(b)]
- Initial notification will be due **May 31, 2013** (no later than 120 days from publication of the final rule in the *Federal Register*) [63.7495(b)]
- A Notification of Compliance Status (NOCS) must be submitted within 60 days of completing all applicable performance tests and/or other initial compliance demonstrations, and the NOCS must be submitted no later than July 30, 2016 (180 days after the final H&B MACT compliance date) [63.7545(e) & 63.7510(e)]
- For facilities that use gaseous fuels that are not natural gas or refinery fuel gas (e.g., LPG, chemical plant off-gas), you have the option of conducting a fuel analysis and applying to EPA to re-categorize the fuel as a "Gas 1" fuel [63.7521(f)&(g)]
- Good News for Industry: for Gas 1 subcategory units, the H&B MACT does not specify any emission or operating limits [63.7500(e)]
- By January 31, 2016 (3 years after the date of rule publication in the *Federal Register*), a one-time energy assessment is required by a Qualified Energy Assessor for each affected heater and boiler (except for "limited use" units) [63.7510(e), Table 3 – Item 4, 63.7500(c)]
- By January 31, 2016 (3 years after the date of rule publication in the *Federal Register*), tune-ups are required for each affected heater and boiler on a frequency dictated by the design and rated firing capacity of the unit [63.7540(a)(10)-(13), 63.7510(e), 63.7500(c)]

Heater and Boiler MACT *continued...*

H&B MACT One-Time Energy Assessment

- By January 31, 2016 (3 years after the date of rule publication in the *Federal Register*), a one-time energy assessment is required by a Qualified Energy Assessor for each affected heater and boiler (except for “limited use” units) [63.7510(e), Table 3 – Item 4, 63.7500(c)]
- What are the elements of an H&B MACT energy assessment? [Table 3 – Item 4, 63.7575 – regulatory definition of “energy assessment”]
 - Visual inspection of boiler or process heater system
 - Operating characteristics, maintenance, operating constraints
 - Inventory of energy use systems
 - Review of fuels usage, logs, engineering drawings
 - Energy management practices
 - Energy conservation measures
 - Energy savings of conservation measures
 - Report to identify comprehensive savings measures, costs to implement, and time frame for investment payoff
 - Alternate Options: (1) may use an energy assessment completed after January 1, 2008 if it meets regulatory criteria, or (2) no energy assessment required if the unit operates under an energy management program compatible with ISO 50001
- The qualification criteria for the “qualified energy assessor” have been relaxed in the latest “true-final” version of the H&B MACT. No specific EPA-issued training or specific certification is required. The energy assessor must simply be qualified by having experience in heater and boiler O&M, application of energy management principles, etc. [63.7575 – regulatory definition of “energy assessor”]
- The expected/necessary duration of the energy assessment is specified in the rule as follows [63.7575 – regulatory definition of “energy assessment”]:
 - For facilities with facility-wide heater and boiler combined heat input annual capacity of < 300 MMBtu/yr: 8 on-site technical labor hours
 - For facilities with facility-wide heater and boiler combined heat input annual capacity of 300 to 1000 MMBtu/yr: 24 on-site technical labor hours
 - For facilities with facility-wide heater and boiler combined heat input annual capacity of > 1000 MMBtu/yr: 24 on-site technical labor hours in length for the first 1000 MMBtu/yr, plus 8 on-site technical labor hours for every additional 1000 MMBtu/yr up to a maximum of 160 on-site technical hours
- In a nationally-attended H&B MACT webinar sponsored by EPA on January 10, 2013, an EPA representative made it clear, in response to a question, that a facility is not required to address any findings or implement any recommendations contained in a H&B MACT energy assessment

H&B MACT Tune-Up Requirements

- By January 31, 2016 (3 years after the date of rule publication in the *Federal Register*), tune-ups are required for each affected heater and boiler on a frequency dictated by the design and rated firing capacity of the unit. Note that units with a continuous

Heater and Boiler MACT *continued...*

oxygen trim system do not need to be tuned as frequently because the trim system is designed to continuously measure and maintain an optimum air to fuel ratio (which is the main purpose of a tune-up) [63.7540(a)(10)-(13), 63.7510(e), 63.7500(c)]

- Tune-up required every 5 years for (1) units of any rated capacity that are equipped with a continuous oxygen trim system, (2) limited use units, and (3) units with a rated firing capacity < 5 MMBtu/hr
- Tune-up required every 2 years for units with a rated firing capacity > 5 MMBtu/hr and < 10 MMBtu/hr (and without a continuous oxygen trim system)
- Tune-up required annually for units with a rated firing capacity > 10 MMBtu/hr (and without a continuous oxygen trim system)
- Tune ups must include the following elements [63.7540(a)(10)(i)-(vi)]:
 - Inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown)
 - Inspect and adjust flame pattern per manufacturer's specifications
 - Inspect air to fuel ratio system. Ensure calibrated and functioning properly
 - Optimize CO emissions consistent with manufacturer's recommendation and any NOx requirement that the unit must meet
 - Measure CO before and after adjustment in ppmv (on same basis - wet of dry). Can use portable CO analyzer. Measure oxygen % by volume (on same basis – wet or dry)
 - Maintain annual report on-site and submit, if requested, the following:
 - CO concentration in ppmv (specify wet or dry basis) and oxygen in % volume (specify wet or dry basis) measured both before and after the tune-up at high fire or typical operating load
 - Description of any corrective actions taken as a part of the tune-up, and
 - Type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit
- Facilities must submit signed statement that the required tune-up(s) were completed in the Notification of Compliance Status [63.7530(d)]

Lori Pittman

Sage Environmental Consulting, L.P.

Boiler MACT Workshop

**A&WMA is hosting the Boiler MACT Road to Compliance Workshop Series
in New Orleans!**

When: April 23-24, 2013

Location: Sheraton Hotel in New Orleans, LA

Visit boilermact.awma.org for registration and additional information.

A Special Welcome to Our New Members!

Cory Andrus, Cleco	Jill Martin, Sage Environmental Consulting, L.P.
Bradford Blalock, LSU Student	Bill Matthews, Cleco Corporation
Danielle Blanchard, Shaw	Heather Miller, Praxair
Jeremy Beasley, LSU Student	Beau Mixon, Providence
David Bergeron, Louisiana Energy And Power Authority	Fabiola Nelson, CITGO Petroleum Corporation
John Bourgeois, Sherry Labs	Helena Ochoa, LSU Student
Evan Burns, ERM	Cheryl Ordeneaux, C-K Associates, LLC
Marissa Burrige, LSU Student	Lori Pittman, Sage Environmental Consulting, L.P.
Peter Christensen, Taminco Inc.	Franciscus Prawiro, ENVIRON International
Ryan Clausen, Sage Environmental Consulting, L.P.	Tim Ratchford, Arcadis
Shannon Crane, Motiva Enterprises LLC	JoLynn Rivera, Bollinger Shipyards
Madeline Crocker, LSU Student	Katie Robertson, Georgia Gulf Chemicals and Vinyls, LLC
Brent Croom, Cleco	Eric Rucinski, Sage Environmental Consulting, L.P.
Lou DeRose, Noranda Alumina LLC	Maile Sharff, Cleco
Dustin Duhon, Providence	Steven Shaughnessy, Sage Environmental Consulting, L.P.
Laura Durst, Formosa Plastics Corporation	Mark Stafford, Total Petrochemicals & Refining USA, Inc.
Travis Guillot, Williams Companies	John Sutton
Charles Haight, PPM Consultants, Inc.	Cory Thompson, Shaw E & I Group
Jessica Keasler, Terracon Consultants	Craig Tyndall, BASF Corporation
Robert Knott, Cleco	Shane Wells, Weyehaeuser
Tracy Landry-Huey, CARBO Ceramics	Cindy Wu, CH2M Hill

Thank you to our Corporate Sponsors!

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Director 2013-2015: Cindy Thompson	225-755-1000	Young Professionals Chair: Jason Midgett	225-346-7454
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Southwest Chapter Officers

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Programming Co-Chair – Morgan Verrette	337-802-6263
Nominating Committee Chair – Don G. Johnson	337-708-4789

Share your ideas with us!

Have an idea for the Monitor?
Send it to the editor to see your thoughts in
action!

Contact [Mary Claire Lambert](#)

Important Dates

March 21, 2013	Boiler MACT Workshop (Captain Anderson's in the Clarion Inn, Gonzales, LA)
March 21, 2013	March Dinner Meeting (Captain Anderson's in the Clarion Inn, Gonzales, LA)
April 23-24, 2013	A&WMA Boiler MACT Road to Compliance Series (Sheraton Hotel, New Orleans, LA)
April 30, 2013	LA Section Scholarship Applications Due (see www.la-awma.org for more information)
May 2, 2013	Third Annual YP Golf Tournament (Pelican Point, Gonzales, LA)
May 7, 2013	Southwest LA 2 nd Quarterly Luncheon (Reeves Uptown Catering, Lake Charles, LA)
October 29-30, 2013	2013 LA Section Annual Fall Conference (TBD)