



# The Monitor

July 2010



## The Monitor



### Special points of interest:

- October 26 and 27th — Fall Conference
- LSU/UNO Chapter Updates
- 2010 Scholarship Award Winners

Please remember to update your contact information on the A&WMA Website. Updating your information will keep you informed about future A&WMA events.

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### Message from the Chair

One of the things that I told the editorial staff when they accepted the volunteer (and usually thankless) task for The Monitor is that they would have a lot of trouble collecting the items that they need for each edition. I was quick to add that while I walked in their shoes for a few years, I might be just as "slow to respond" as previous Section Chairs...well, I am late yet again! What I really want to know is when we are going to get to the "lazy days of summer"...there hasn't been a lazy day around here in a very long time!

The big dilemma always seems "what to do first?" As EPA continues to roll out regulatory changes, state agencies and regulated entities alike have been working so hard to understand the implications. It seems that every day, someone calls the DEQ offices to discuss the implementation of the EPA's Greenhouse Gas Reporting Rule and pick our brains as to what EPA is asking for! I am

sure that consultants out there are getting the same kinds of calls. States are also trying to understand the implications of the Tailoring Rule. We all are continuing to learn more about this every day. We are just six short weeks away from the scheduled announcement of the reconsidered 8-hour ozone standard. Implementation timelines for this rule are compressed and once EPA issues the proposed rule and the classification guidance we will have a much better idea of just how BIG the impacts are going to be on Louisiana. A bit of good news is that DEQ has requested and EPA has published its intent to make a Clean Data Determination for the Baton Rouge area that will confirm monitored attainment with the 1997 8-hour standard, similar to the one given last year for the 1-hour standard. And speaking of good news, there



Michael Vince

LA Section Chair

was only 1 day with an ozone exceedance of the 75 ppb 8-hr ozone standard and 0 days with exceedances of the 84 ppb 8-hr ozone standard in June. The single June exceedance was on June 1 at the Shreveport monitor. This does come on the heels of the May bad news that the LSU monitor became nonattainment with the 75 ppb 8-hr ozone standard on May 28th.

And the list goes on and on with changes in SO<sub>2</sub> rules, implementation of the new NO<sub>x</sub> rules, implementation of the new lead standard, and the

Continued on page 4

### Snapshots from 2010 ACE Conference



Members enjoy the Grand Reception at the 2010 ACE Conference in Calgary, Canada.

Members Support LSU Students' Presentation



## CHECK IT OUT!

This article [Clean Energy in Western Canada: Challenges and Opportunities](#) was run in the June 2010 AWMA EM magazine.

Log on to the A&WMA members only section online to read it if you missed it!

[http://  
secure.awma.org/em/  
default.aspx?  
year=2010&month=2](http://secure.awma.org/em/default.aspx?year=2010&month=2)

Don't forget to update your membership information while you're there your there too!

### Are you Linked, on Facebook, or Twitter?

Are you LinkedIn? There is now an A&WMA Young Professionals Group on Linked In. Come join us for job postings, news, discussions, and more!

Be sure to join our Facebook group:  
[http://  
www.facebook.com/  
group.php?  
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## The Monitor

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### May Luncheon

The Louisiana Section was pleased to welcome Donna Sentel and Victoria Hatton of the Louisiana State Board of Registration for Professional Engineers and Land Surveyors at its May Luncheon Meeting. Donna is Executive Secretary of the Board and Victoria spearheads the Board's compliance activities. Donna and Victoria gave presentations covering the history of professional engineering registration, requirements pertaining to sealing of docu-

ments, and recent rule changes. Bill Palermo of the Louisiana Section, and a registered professional engineer, presented instances in which certain state and federal environment regulations include provisions requiring documents to be certified by a registered professional engineer, which are not exactly "on-point" with the requirements of the regulations of the Registration Board, that stimulated lengthy discussions between and among the audience

and the panelists. The presentation was intended to satisfy the 1-hour Ethics requirement of the Board's continuing education requirements.

### Young Professionals Section

Ozone, LDAR, SPCC, GHG, Control Devices...all topics included in the 2009 Annual Fall Conference for young professionals. As the Fall Conference Committee begins to plan this year's agenda, we're looking for feedback from you. What topics are you interested in learning more about? What topic has a supervisor men-

tioned recently that you had never heard of before? What's the latest technology that more of us should know about? Supervisors, what topic do your young professionals need more information on? The Fall Conference's Young Professional sessions have grown in popularity over the years and we're looking to make

this year even better. Drop us an email or start a discussion on LinkedIn to see your ideas presented at this year's conference!

### October 26 and 27th – Fall Conference

The Louisiana Section of the Air & Waste Management Association is now accepting abstracts for presentations at its 2010 Fall Conference to be held October 26 and 27, at the Crowne Plaza Hotel, in Baton Rouge. Presentations selected from this Call for Abstracts will supplement the presentations made by invited speakers. Abstracts should

be submitted no later than July 23, 2010 by e-mail to Ms. Julie Roussel at The Dow Chemical Company: [JHRoussel@dow.com](mailto:JHRoussel@dow.com).

This Fall Conference will be power packed with all of the latest information on federal and state environmental regulations and compliance initiatives. Also the conference plans to feature a full day

track for young professionals as well as a session related to environmental and economic issues caused by the oil spill in the Gulf of Mexico.

Please spread the word and save the date for this upcoming event.

## 2010 Scholarship Award Winners

The Section is proud to announce the 2010 Scholarship award winners. This year we had a total of nine scholarship applicants ranging from LSU to South Eastern, all the way west to McNeese. All of the applicants were well qualified and put a lot of effort into their applications. Our 2010 winners are:



Kelli Shuttleworth,  
Southern Law Center -  
\$2,000



Ivory Iheanacho, LSU,  
Environmental Management Systems -  
\$2,000



Brooke M. Villarrubia,  
LSU, Environmental Engineering - \$2,000



Andrew R. Bourgeois, LSU:  
Chemical Engineering  
\$3,000 Gus Vonbodguna

Thanks to Mike Dever of the Southwest Chapter for hosting the interview with the student from McNeese. A big thanks to Karen Blakemore for all of her hard work with this year's scholarships.



### The LDEQ 2010 Green Business Expo

The Louisiana Department of Environmental Quality (LDEQ) is pleased to present its inaugural Green Business Expo on Wednesday, August 25 from 7:00 am - 4:30 pm. This timely exposition will showcase 9 presenters and exhibits from other innovative businesses. These businesses offer real cost saving opportunities for private and public enterprises, as well as provide an environmental return for the citizens of Louisiana. This interactive program will focus on creating a synergy between economic reality and environmental quality of life improvements through partnering with established and community stakeholders, innovative business concepts, and market opportunities. Participants will assist in building a report card

which scores presenters and exhibitors on implementation possibilities of their technology. LDEQ will issue an annual report card on the actual implementation of the businesses as well as calculations of data designed to illustrate the lowered impact on our environment by placing their products into the stream of commerce. Members from industry, federal, state, and local government and consumers will benefit from attendance at this event.

These participating companies offer solutions which either make money, save money and provide a positive return on investment in the commercial sectors such as plant operations, oil & gas, wastewater, and energy and fleet

management. This expo is designed to eliminate the idea of green business being an oxymoron.

Please visit the Green Business Expo page on the LDEQ website for registration, costs and other information: [www.deq.louisiana.gov/GreenBusinessExpo](http://www.deq.louisiana.gov/GreenBusinessExpo)

### LDEQ Headquarters

Galvez Building  
Conference Center  
602 N. 5th Street  
Baton Rouge, LA

## A&WMA International Updates

Congratulations to the four newest members of A&WMA's Board of Directors, whose terms will begin January 2011:

**President Elect –**  
Merlyn Hough



**Director (Regulated Category) –**  
Daniel Weiss



**Director (Regulatory Category) –**  
Laki Tisopoulos

**Director (Other Category) –**  
Mark Rood

Want to be a part of the ACE 2011 technical program? Visit the [principal area submission site](#) to submit your proposed topics for ACE 2011. The principal area submission site will close on Thursday, June 24, 2010—so submit your topics today!

## Message from the Chair continued...

latest item being the new CAIR rule. Clearly there is no shortage of projects for us to work on, but only the dilemma of which one to focus our limited resources on. Each of these rules has the potential to increase resource needs to varying degrees, but this comes at a time of economic uncertainty and cutbacks of both financial and staff resources in both the corporate and state regulatory arenas.

The question then becomes "What should I work on first?" We are just a short few months away from our Environmental Focus 2010 fall conference. The conference committee is working diligently to ensure that the topics are timely and that the speakers are engaging and provide useful information to assist participants in setting their focus. Conference dates are October 26-27. Please make your plans now to attend!

I encourage you to pay attention to other upcoming activities of the Section, including the election of officers. Try to stay cool for what is left of this summer, and I look forward to seeing many of you at the upcoming dinner meetings and at the fall conference!

## LSU Chapter Update

The LSU student chapter had a very busy year in 2009 and 2010. We added several members, held monthly meetings, and were represented at every Louisiana Section dinner meeting except for the one held in New Orleans. The chapter participated in education outreach, conducted greening projects, and capped off the year with a strong representation at Louisiana Earth Day and the Annual Conference and EnviroChallenge 2010 held in Calgary, Alberta, Canada. While "Tiger Bait Consulting" did not place in Calgary the trip was an immense learning experience for those who went and we are looking forward to representing LSU and the Louisiana Section at the 2011 ACE to be held in Orlando, Florida. Officers for the term were Paul Algu (chair), Dustin Reid (graduated, vice-chair), Austin Langley (graduated, secretary/treasurer), and Ivory Iheanacho (College of Agriculture liaison).

Paul Algu  
A&WMA Student Chair, LSU Chapter



LSU Students present for ECi (left)



LSU Chapter students (Brendan Chambon, Paul Algu, Paulius Donauskas) and Facility Advisor (Cindy Thompson) at the Calgary Tower (bottom)



## **University of New Orleans Updates**

### **Dr. Kura's Research Team's Response to the Deepwater Oil Spill**

Dr. Kura and his graduate students in Environmental Engineering program of the University of New Orleans have initiated a number of research activities in response to the Deepwater Horizon Oil Spill. In the second week of June of 2010, Kura's research team visited the Grand Bayou area to conduct a preliminary air quality testing for a variety of hydrocarbons/VOCs, hydrogen sulfide, PM10, and a few other pollutants that are expected from the oil spill. Fox 8 covered the story which is available from the YouTube link: <http://www.youtube.com/watch?>



### **Dr. Kura and his Research Team Presented Eight Technical Papers at the AWMA National Conference in Calgary, Canada**

Dr. Kura and his graduate students presented a total of eight technical papers at the AWMA Conference held in Calgary, Canada from June 22-25, 2010. This included one paper Dr. Kura co-authored with Dr. Norma Jean Mattei, Chair of Civil & Environmental Engineering, UNO. In addition to the technical papers, Dr. Kura chaired two technical sessions (Sustainable Design in Real World: Environmental Characterization and Remediation; Human and Ecological Risks from Industrial Wastes) and served as a panelist on a technical panel titled, "Renewable Energy and Clean Technologies," which was chaired by Dr. Sardar Hassan, Senior Program Analyst, Special Plans & Operations, Office of the Inspector General, the US Department of Defense. Other technical panelist was Ms. Rachel Goldstein, Team Leader Methane Outreach Program, Climate Change Division of the US EPA.

### **Dr. Kura of UNO to Teach a Specialty Online Course on "Oil Spill: EHS and Risk Management"**

Dr. Bhaskar Kura, Professor of Civil & Environmental Engineering of the University of New Orleans will be offering a graduate level, specialty course, "ENCE 6096: Oil Spill – EHS and Risk Management" during Fall of 2010. This course is being offered to prepare environmental professionals to meet the current and growing demand for environmental services in meeting the challenges of the Deepwater oil spill. This course will be offered using non-conventional methods of teaching (online; in-class; independent; and combination) with several unique features to benefit environmental professionals. Working professionals will have the opportunity to take this course as a non-degree seeking student. Questions should be directed to the course instructor, Dr. Bhaskar Kura at [bkura@uno.edu](mailto:bkura@uno.edu).

Dr. Bhaskar Kura  
Professor of Civil & Environmental Engineering  
Director of Maritime Environmental Resources and Information Center (MERIC)

Kura's team is going to design and build a mobile air monitoring lab (MAML) to participate in short-term and long-term air quality monitoring. Additionally, monitoring of water quality, shore line contamination, sediment quality, and wetland contamination will be evaluated. A variety of laboratory simulations, field sampling, computational modeling, and software development projects are being undertaken to address the deepwater oil spill impacts on air quality, water quality, wetlands, public health, and worker health. Kura's graduate students are updating the following web pages as part of their public and professional service to disseminate the Deepwater Oil Spill information which can be viewed at the following URLs:  
<http://coe.uno.edu/meric/>  
<http://coe.uno.edu/cee/kura/index.html>

Engineering companies and agencies interested in collaborating with UNO on the "Deepwater Oil Spill Response" projects are encouraged to contact Dr. Bhaskar Kura.

Titles of the technical papers presented by the UNO group were:

1. **Future Energy Demands in India, China & USA** (Anirudh Paduru, UNO/Baltimore Gas and Bhaskar Kura, UNO)
2. **Green Buildings: Comparison of Env. Parameters in US and India** (Atit K. Tilwankar, IIT-Bombay; Shyam Asolekar, IIT-Bombay; Amitadyuti Sengupta, UNO/Digital Engineering & Imaging, Inc.; Kati Carr, UNO/NASA; and Bhaskar Kura, UNO)
3. **Waste-to-Energy: Comparison of Tech & Environmental Regulatory Framework in US and India** (Suruchi Verma, UNO, Pradip P. Kalbar, IIT-Bombay; Bhaskar Kura, UNO; and Shyam Asolekar, IIT-Bombay)
4. **Pollution Prevention through Energy Optimization at WWT Facilities** (Naveen Kumar Devata, UNO and Bhaskar Kura, UNO)
5. **Particulate Emission Factors from Welding Al-Li Alloy** (Katie Carr and Bhaskar Kura)
6. **Smart Utilization of Waste Materials: Fly Ash based Pervious Concrete to Reduce Run-off** (Norma J. Mattei, UNO; Bhaskar Kura, UNO; Adriana C. Ochoa, UNO; and Frank C. Formherz II, Formherz Engineers)
7. **Solar Power Feasibility for Wastewater Collection & Treatment** (Amitadyuti Sengupta, UNO/Digital Engineering and Imaging, Inc.; Bhaskar Kura, UNO; and Robert J. Delaune, Digital Engineering and Imaging, Inc.)
8. **Green Habitats: Lessons from Model Townships in US & India** (Pradip P. Kalbar, IIT-Bombay; Shyam Asolekar, IIT-Bombay; Nandini Seth, UNO; and Bhaskar Kura, UNO)



Renewable Energy and Clean Technologies – Panel Discussion at the AWMA 2010 Conference Calgary, Canada (L to R: Dr. Sardar Hassan of DoD, Ms. Rachel Goldstein of EPA, Dr. Bhaskar Kura of UNO)

## Important Dates To Remember:

<b>Ahead of the Curve: Voluntary GHG and Sustainability Reporting Initiatives Webinar</b>	<b>July 22</b>
<b>LDEQ Green Business Expo (Baton Rouge, LA)</b>	<b>Aug. 25, 2010</b>
<b>Carbon: Sustainability, Strategy, and Solutions Webinar</b>	<b>Aug. 26</b>
<b>Power Plant Air Pollutant Control MEGA Symposium (Baltimore, MD)</b>	<b>Aug. 30—Sept. 2</b>
<b>Labor Day</b>	<b>Sept. 6</b>
<b>Second International Greenhouse Gas Measurement Symposium (Washington DC)</b>	<b>Sept. 8</b>
<b>15th IUAPPA World Clean Air Congress: Achieving Environmental Sustainability in Resource Hungry world</b>	<b>Sept. 12</b>

### Welcome To Our Newest Members:

Brandon Bencaz, Formosa Plastics Corporation  
 David Burch, EMSI  
 Cheryl Chris, PCS Nitrogen  
 Brent Croom, Cleco  
 Philip Curwick, Compliance Solutions Group  
 Sarah Doucet, Sasol North America, Inc.  
 Mindi Faubion, Providence Engineering  
 Keith Favaro, Shaw  
 Anthony Fugarino, Georgia Gulf Chemicals & Vinyls, LLC  
 Brandon Guillory, Natural Resources Group, LLC  
 Louis Harb  
 Charlotte Hooker, Noranda Alumina LLC  
 Sean Horne, Valero – St. Charles Refinery  
 Palma Hubbard, Firestone Polymers  
 Andre Marquette, Valero – St. Charles Refinery  
 Robert Martin, Valero – St. Charles Refinery  
 Ryan McNabb – Lion Copolymer, LLC  
 Gasper Migliore, Providence Engineering  
 Marguerite Paulk, Eagle Environmental Services, Inc.  
 Donna Schlotzhauer, BASF Corporation  
 Julie Taylor, ENVIRON  
 Tyler Teague, CF Industries, Inc.  
 Phoebe Thibodeaux, Providence Engineering  
 Cy Toups, T.Baker Smith, Inc.

### Green Tips for the Summer — Stay Cool and Stay Green

In the summertime, Louisiana heat is enough to make anyone run for cover, but before you crank up the AC, here are a few tips from the A&WMA website to keep the temperature down while doing your part to help conserve energy.

1. AC window units should be located on the most shaded side of the house.

The AC unit uses the outside air to circulate. Making sure that air is as cool as possible can help decrease energy. If your unit is exposed to direct sunlight, considering an awning or covering over it. Just make sure not to block vents that could stop air exchange.

2. Central AC can actually reduce energy usage.

If you have central AC and are still attached to your window units, make sure they are in the bed rooms only.

3. Try fans at night to help reduce your use of AC.

Putting a fan in your window at night not only cools the room down, but also lets in the night air. It's like camping under the stars minus the mosquitoes.

4. No one wants their Mardi Gras beads that are stored in the attack to melt, so make sure you keep the air moving.

Allow the heat in your attack to escape through vents in the gable ends, the eaves, and along the roof ridge. A reflective foil on the ground also helps keep the hot air from escaping to the rooms below.

5. Face the heat, get outside!

The easiest way to keep your kitchen cool is cook outside. Fire up the grill and stay out by the pool . You can also take the family out for a boat ride on the river. Sunbathing helps rid yourself of those winter month

blues (just make sure and lather on the SPF). Whatever you do, the longer you enjoy the outdoors, the less time you need to keep the AC on full blast.

6. When all else fails, dress for the heat.

Light colors and natural fibers, aka cotton, keep you cooler out in the sun.

Have a happy Summer and remember to think green!

### DID YOU KNOW:

**The 8000 A&WMA members span 65 countries and that the organization is over 100 years old.**



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