



# HAZMATTERS

Kentuckiana Chapter of Hazardous Materials Managers' Newsletter

July/August 2016

## Welcome!

Hello from the Kentuckiana Chapter and the hot and steamy Ohio River Valley! Our chapter was formed over 25 years ago and is still growing and active in the greater Louisville and Southern Indiana community. We are dedicated to cultivating, promoting and sustaining the profession of hazardous materials management. With the support of our corporate sponsors, we offer our members the opportunity to socialize and network with other environmental health and safety professionals; participate in continuing education with our technical programming and training classes; and the option to join other members in community outreach activities sponsored by the chapter.

As President, I would like to give a special thank you to all of our corporate sponsors—it is through their generous donations that we are able to provide our members with these many opportunities. Please visit our website for additional information about the Kentuckiana Chapter (<http://www.kchmm.org>). I hope you enjoy this edition of *HazMatters*, which highlights our chapter meetings, events, and latest activities.

New members and visitors are always welcome to attend our meetings and programs!

*Celeste*

Celeste M. Sutter, CHMM  
2016 KCHMM Chapter President  
Director of Environmental Health and Safety  
Hanover College  
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*The Kentuckiana Chapter of Hazardous Materials Managers (KCHMM) is a group of Environmental, Health and Safety Professionals from the Kentucky and Southern Indiana area. Many of our members hold the CHMM (Certified Hazardous Materials Managers) credential, but it is not a requirement for members. We welcome anyone interested in learning more about the environmental profession.*

Stay connected via <http://www.kchmm.org> or 

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Mariam Prieto-Perez, on left, and Corinne Greenberg of the KCHMM

## The 2016 Award Winner Is ....

By Corinne M. Greenberg, CHMM, KCHMM Stewardship Chair

On March 5, 2016, five KCHMM members volunteered to serve as judges at the annual Louisville Regional Science & Engineering Fair (LRSEF), held at the Kentucky Science Center. Our 5-judge team reviewed a total of 12 high school science projects – seven “Earth & Environmental Science” exhibits and five “Environmental Engineering” exhibits. At the end of the morning judging, our KCHMM caucus reached a consensus to select a winner for KCHMM’s sixth annual Special Award in Environmental Management Sciences – **Mariam Prieto-Perez**, a 10<sup>th</sup> grader, for her original work “The Comparison of Different Types of Microbial Fuel Cells and their Energy Output.”

**Ms. Prieto-Perez** successfully developed a functional generator to generate electricity by the transferring of electrons from an anaerobic chamber (containing manure, soil, or lab-grade E. Coli) across a carbon bridge to an aerated water chamber. Her self-made generator was constructed out of two plastic bottles, tubing, cotton batting, copper wire, aluminum foil and electrical tape, with a gauge positioned between two copper wires from each of the two chambers, to measure the electrical output (in mA) from each trial run. Her goal was to determine which of the three potential fuel materials tested (manure, soil, or E.Coli) would yield the most electrical output



## Alternative Green Energy

While her “MacGyver” device was constructed entirely on a trial scale, her greater science question set out to examine the relative feasibility of using waste materials as alternative “green” energy sources. In her research, she was able to successfully generate electrical current from all three fuel types, but she found that the fuel containing E.Coli bacteria yielded the greatest results. We selected her project for the KCHMM award because of her interest in alternative fuel sciences, the ambitious nature the work, and her successful execution thereof.

## KCHMM’s

*Special Award in  
Environmental Science or  
Environmental Management*

This award is presented each year to a single high school exhibitor in one of these two exhibit categories whose project shows ambition, sound understanding of scientific principles, adherence to the scientific method, and, ideally, intersects with the Chapter’s mission and/or the nature of our members’ professional work.

The KCHMM award includes a \$400 stipend of which half is funded by the Chapter treasury and half is funded by Chapter members’ out-of-pocket contributions collected at Chapter meetings throughout the year.



Past Winners

- 2011 Emma Burch (10<sup>th</sup> gr., Ballard)
- 2012 Cooper Sodano (9<sup>th</sup> gr., Ballard)
- 2013 Jackson Benitez (10<sup>th</sup> gr., Ballard)
- 2014 Emma Landerr (9<sup>th</sup> gr., Ballard)
- 2015 Nataha Gupta (9<sup>th</sup> gr., Ballard)

## Rivergreen Water Recycling



KCHMM wants to sincerely thank **Rivergreen Water Recycling**, for their generous donation of \$1,000, earmarked for the Chapter to use to advance the professional development of Louisville area EHS professionals in acquiring their CHMM during the period from **August 1, 2016, to July 31, 2017.**

We are pleased that **Rivergreen Water Recycling** recognizes the value of such credentialed individuals as a way to raise the standard of care in our profession.

# Thank You!

Rivergreen Water Recycling

# Incentivizing Achievement of Members of the Kentuckiana Chapter

The KCHMM is extremely thankful for the companies that have been willing to donate money to incentivize local members' achievement of the CHMM credential over a specific 12-month period. So it is again this coming period from **August 1, 2016, to July 31, 2017** that all local Chapter members in good standing who live or work in Kentucky or Southern Indiana and actually earn the CHMM credential during this time will receive an equal share of a \$1,000 cash incentive. That is, if just one local colleague earns the credential this coming year, they will get the whole scholarship amount to themselves. Alternatively, if five local professionals earn the credential over the next year, they will split the \$1,000 in equal amounts. Whatever the exact amount of the scholarship, due to the necessary expenses as is explained at the bottom of this page, it will be a welcome reimbursement to those KCHMM' recipients.

For the 12-month period from August 1, 2015, to July 31, 2016, **The David J. Joseph Co.** sponsored the scholarship and the recipient was

**Bob Pifine.** Bob is a Senior Environmental Compliance Inspector with the Louisville – Jefferson Co. Metropolitan Sewer District (MSD). In this capacity, he conducts inspections of industrial wastewater pre-treatment and discharge permittees, inspections of industrial stormwater runoff within the MSD service area, and also conducts facility inspections pursuant the local Hazardous Materials Ordinance.



The David J. Joseph Company

Bob had been considering becoming a CHMM for the past several years, an interest that was reinforced and nurtured through repeated professional interactions with other CHMMs at MSD and in our local business community. Now with CHMM in hand, Bob is considering supplementing his MSD career with some consulting work outside of MSD's Jefferson County jurisdiction. He is also hopeful that the credential will afford additional opportunities for further advancement within MSD.

## Congratulations Bob !

Institute of Hazardous Materials Management

The CHMM credential is administered by the *Institute of Hazardous Materials Management (IHMM)*. The credential, which is used to recognize a level of professional competency in the field of hazardous materials management, is only conferred to those who successfully pass a rigorous exam which covers a broad spectrum of topics as may be encountered over various areas of EHS practice.



At present, the application fee is \$175. Once the application is approved, most applicants will take some time to carefully prepare for the exam. Many candidates will invest in the *Essentials of Hazardous Materials Management* course, which may be taken either online or in-person. This course, while very valuable, is not a pre-requisite for sitting for the CHMM exam. Other candidates will self-study by reviewing professional literature, industry publications, and study guides. AHMP publishes the *Hazardous Materials Desk Reference*, now in its 3rd edition.

Once an applicant feels they are ready to sit for the exam, there is an additional exam fee of \$360.

# CHAPTER EVENTS

2016 - 2017 Regular Meetings & Technical Titles	Dates
<ul style="list-style-type: none"> <li>KCHMM Regular Meeting . . . . .</li> <li>Technical Presentation: <i>Showcase of KCHMM's Industrial Base</i></li> </ul>	January 13, 2016
<ul style="list-style-type: none"> <li>KCHMM Regular Meeting . . . . .</li> <li>Technical Presentation: <i>Clean Power Plan/Cane Run Transition from Coal to Natural Gas</i></li> </ul>	March 9, 2016
<ul style="list-style-type: none"> <li>KCHMM Regular Meeting . . . . .</li> <li>Technical Presentation: <i>Ohio River Greenway Commission</i></li> </ul>	May 11, 2016
<ul style="list-style-type: none"> <li>KCHMM Regular Meeting . . . . .</li> <li>Technical Presentation: <i>ISO 14000 Updates</i></li> </ul>	September 14, 2016
<ul style="list-style-type: none"> <li>KCHMM Regular Meeting . . . . .</li> <li>Technical Presentation: <i>Solar Energy</i></li> </ul>	November 9, 2016
<ul style="list-style-type: none"> <li>KCHMM Regular Meeting . . . . .</li> <li>Technical Presentation: (To be determined)</li> </ul>	January 11, 2017

## AND COMING - SEPTEMBER 29, 2016



Located on downtown Louisville's historic "Whiskey Row," the **Evan Williams Bourbon Experience** features an artisanal distillery, guided tours, educational Bourbon tastings, and more! Celebrating the legacy of Evan Williams, Kentucky's first commercial distiller, this immersive experience brings to life the history and tradition of Kentucky's native spirit. The Evan Williams Bourbon Experience is proud to be the first official Louisville stop on the Kentucky Bourbon Trail.

The guided tour features an operating Artisanal Distillery where we will not only learn the process for making Bourbon, but we will see it being made right before our eyes. The tour concludes in the Retail Shop where you can take home an array of signature items, including a personalized bottle of Evan Williams. At the conclusion of the tour, we will enjoy the tasting experience that includes a selection of products from Evan Williams' award-winning American Whiskey & Bourbon portfolio.

Times	
6:30	Guided Tour & Bourbon Tasting
7:30	The Speakeasy (with hor d'oeuvres)
9:30	End of Evening

After the tasting, we'll all slip into the Speakeasy, catching a glimpse of the Prohibition era. We'll whisper the password through the bank vault door, dance with flappers projected on the wall, and take a seat at the Speakeasy's round, cherry bar. The Speakeasy reception will feature heavy hors d'oeuvres catered by Bristol Catering. **Cheers!**



- ▶ \$25 per member and first member-guest if RSVP'd by August 31<sup>st</sup>
- ▶ \$30 per member and first member-guest if RSVP's received September 1<sup>st</sup> - September 14<sup>th</sup>
- ▶ \$45 for non-members, their guests and any additional member-guests

RSVP to - [RSVP@KCHMM.org](mailto:RSVP@KCHMM.org)





# The Rachel Davis Award

## History

Established by the Chapter in 2003 to keep alive the memory of our

1996 KCHMM President, environmental colleague, and friend Rachel Davis, the **Rachel Davis Award** is presented annually. Rachel was KCHMM's sixth Chapter President in 1996 but died of acute leukemia in 1999. In the ensuing years, the KCHMM has honored many with the award that bears her name, each one being judged to honor Rachel's name through their work, leadership and stewardship.

## Qualifications

- Candidates shall be nominated by a fellow KCHMM member (no self-nominations).
- Nominees must be credentialed (CHMM or CHMP) Chapter members in good standing as of September 1, 2015.
- Nominees shall have publicly demonstrated commitment to the Chapter and its mission.
- Preferred candidates will show civic involvement.

## Past Award Winners

2003	Brent Fryear	2008	Cheri Hildreth
2004	Jim Plum	2009	Al Goodman
2005	Evelyn Crooks	2010	Corinne Greenberg
2006	Jennifer Triplett	2012	Vickie Sammons
2007	Karen Blake	2014	Celeste Sutter

The 2015 Rachel Davis Award Winner is - **Mr. Mark A. Hussung, CHMM**

Mark is one of the original members of the Chapter, having been fully active all 25 years. and he is the ONLY KCHMM member to have ever served three terms as President.

Mark is a consummate professional and he has always publicly represented both the Chapter and his employers with sound technical expertise, poise, and respect. In addition to his active participation and leadership within KCHMM, he is also a regular participant and contributor to the Kentucky Chapter of the Air & Waste Management Association and GLI's Energy and Environment Committee. He is quick to volunteer for community service projects, including Operation Brightside clean-ups, GE Appliance Park's 50<sup>th</sup> Year Celebration, KCHMM's kids' craft booth at the Earth Day at the Zoo, and, these past few years, judging at the Louisville Regional Science and Engineering Fair.



## Rachel Davis Endowment Fund

To further honor her legacy, KCHMM volunteered to be the last Chapter to co-host ACHMM's National Conference in 2002, a labor of love undertaken specifically to earn the Chapter a share of proceeds, a \$20,000 sum. The entirety of these earnings was given to the University of Louisville in 2003 to establish the Rachel Davis Endowment Fund.

# Rachel Davis' Legacy Lives On



*Eight of Uof L's 14 Fulbright Scholars (Spring 2016)  
2014-15 Rachel Davis Scholar Ariel Weaver in yellow*



After several years of growth, the Rachel Davis Fund was first tapped in 2010 to underwrite a unique and absolutely appropriate environmental project. The University of Louisville Dean of the College of Arts & Sciences, in consultation the Chapter, honored Rachel's legacy by furnishing the first "green" conference room at the University, a space deliberately developed using sustainably-sourced and energy efficient materials. The Chapter dedicated that room in November 2010.



*Rachel Davis Green Room Dedication  
University of Louisville*

More recently, the Fund has been dedicated exclusively to the ongoing funding of the Rachel Davis Memorial Scholarship. The Davis Scholarship is earmarked for UofL undergraduate students majoring in geology, biology, chemistry, microbiology, physics, or related sciences, with preference given to those who demonstrate environmental stewardship in extracurricular activities.

There were two recipients of the Rachel Davis Memorial Scholarship in the 2014-15 academic year. **Jordan Anthony Maiden** majored in Ecology & Environmental Sustainability with a focus in Environmental Analysis. The second recipient, **Ariel Elizabeth Weaver**, earned her Bachelor of Arts degree in Geography/ GIS. Ms. Weaver has since continued her graduate studies at UofL, and KCHMM is pleased to share that she was recently awarded a Fulbright Scholarship to pursue her graduate research in Namibia; she is one of only 14 Fulbright Scholars recently recognized at UofL (see photo above).

KCHMM is also pleased to report that the Rachel Davis Endowment Fund will be used again in the upcoming 2016-17 school year to support two new Davis Scholars both of which will join us in our Chapter meetings this fall:

**Nicholas Grosser** - a junior Biology major and an honors scholar with a 3.6 GPA. He is active in UofL environmental initiatives, including work with Louisville Grows (tree planting), Green Initiatives, and assisting Dr. Mark Running in his biofuels research.

**Jhanna Waddell** - a junior Individualized Studies major with a 3.56 GPA. Her degree focus will be Environmental Studies and she is also minoring in Peace, Justice, and Conflict Transformation. She, too, participates in Green Initiatives, as well as UofL Sustainability, and Garden Commons.

WHY JOIN  
KCHMM?

HOW TO  
JOIN?

## Membership News

I am the membership Chair for the Kentuckiana Chapter of Hazardous Materials Managers (KCHMM). Currently, I work as the Vice President of Albert Oil Company, Inc. (Albert Oil). Albert Oil was founded in 1976 and specializes in distributing branded and unbranded gasoline, diesel, and other petroleum products to commercial, industrial, and residential customers throughout the Kentucky and Indiana area. I have been a CHMM since 2008 and a member of KCHMM since that time. As a member I enjoy a wide array of technical presentations, networking, and the opportunity to judge the local science fair.

- The KCHMM is an affiliated chapter of the Alliance of Hazardous Materials Professionals (AHMP) providing our diverse membership an opportunity for continuing education, networking, community service, and social events. Our membership includes but is not limited to attorneys; engineers; consultants; educators; environmental, health, and safety professionals; salespeople; and scientists. Student memberships are also available and provide a great networking opportunity prior to entering the workforce.
- First and foremost, you don't have to be a credentialed CHMM or a member of the national AHMP to join the Chapter. Any local professional or student involved or interested in a related field of work or study is welcome. Chapter membership dues are only \$35 per year and \$10 for full time students. To join, go to [www.kchmm.org](http://www.kchmm.org) click the "About" tab and then click "How to Join"; this will provide an application and instructions.

One last thing, I encourage existing members to bring any interested colleagues or friends to one of our meetings or events throughout the year.

If you have any questions about becoming a member or have general questions about the organization, please contact me at [blenihan@albertoil.com](mailto:blenihan@albertoil.com)

*Brian*

Brian Lenihan, CHMM

KCHMM is Always Looking for New Members!

## Joining the KCHMM is Informative & Fun!

The KCHMM holds membership meetings throughout the year that include a wide range of interesting technical presentations. Some of the past technical presentations this year included:

- ▶ *Regulatory Challenges for the Ohio River Greenway* (Phillip T. Hendershot, CDM Smith)
- ▶ *Cane Run Power Plant Conversion from Coal to Gas* (Mark Hussung, CHMM, LG&E-KU)

Our next presentation should be just as interesting and informative as Phillip's and Mark's:

- ▶ *Meeting ISO 14000 Updates* (Clay Whitney, CHMM, Smith Management Group and Jennifer James-Koenig, CHMM, Environmental Compliance Source, LLC)

For a taste of our



side see the **Chapter Events** section on p. 4 of this Newsletter!

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# KCHMM's Mid-Year Regulatory Update

*The mid-year update, contained in this document, includes a summary of all final legislation pertaining to environmental issues passed by the 2016 Kentucky General Assembly, and all final state and federal legislation from 2016 that has been published in the Administrative/Federal Register and pertains to environmental issues.*

The legislation and regulations we watch address energy, environmental, health, and safety issues.

This is not an all-encompassing list of all legislation and regulations being finalized at the state or federal level. Contact me if you want to add additional issues, need copies of the statutes or regulations or have questions about these or other statutes or regulations you've heard about.

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By Kori Andrews , Environmental Specialist, Smith Management Group,  
KCHMM Legislative Chair

## State Legislative Report

- ◆ SB188 - J. Carpenter: AN ACT relating to oil and gas well sites.
- ◆ HB106 - R. Smart G. Brown Jr., C. Howard, M. Rader, T. Riner: AN ACT relating to chemical munitions disposal and declaring an emergency.
- ◆ HB187 - B. Yonts, R. Smart, W. Stone, T. Thompson: AN ACT relating to petroleum storage tanks
- ◆ HB402 - M. Denham: AN ACT relating to the taxation of property used as a landfill.
- ◆ HB431/LM - R. Adkins: AN ACT relating to water conservation.
- ◆ HB563 - C. Howard, H. Collins, D. Hale, C. Harris, J. Richards: AN ACT relating to solid waste.
- ◆ HB529 - R. Rand, S. Rudy, R. Adkins, R. Crimm, M. Denham, R. Heath, K. King, M. Meredith, T. Mills, W. Stone, T. Thompson, J. Tipton: AN ACT relating to water resources policy.

## State Regulation Review

(The following are new or proposed administrative regulations)

- ◆ 401 KAR 51:010 Attainment status designations
- ◆ 401 KAR 53:010 Ambient air quality standards
- ◆ 401 KAR 59:174. Stage II controls at gasoline dispensing facilities.

**Metro Louisville Urban Heat Island Study.** Louisville Metro Office of Sustainability recently released an *Urban Heat Island Study* for metro Louisville.

**State Implementation Plan revision.** The Kentucky Energy and Environment Cabinet proposed State Implementation Plan revision to redesignate the Kentucky portion of the Cincinnati-Hamilton, Ohio-Kentucky-Indiana ozone nonattainment area to attainment for the 2008 8-hour ozone National Ambient Air Quality Standard. This revision, when approved by the U.S. EPA will redesignate Boone, Campbell and Kenton Counties to attainment.

**Division of Water** has filed the Small MS4 Permit or AUTHORIZATION TO DISCHARGE UNDER THE KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM for public notice.



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# Mid-Year Regulatory Update (con't)

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## Federal regulation Review

### Air

- ◆ **EPA**, Determinations of Attainment by the Attainment Date, Extensions of the Attainment Date, and Reclassification of Several Areas for the 2008 Ozone National Ambient Air Quality Standards. Final rule.
- ◆ **EPA**, Rulemaking To Affirm Interim Amendments to Dates in Federal Implementation Plans Addressing Interstate Transport of Ozone and Fine Particulate Matter. Final rule.
- ◆ **EPA**, Findings of Failure To Submit State Implementation Plans Required for Attainment of the 2010 1-Hour Primary Sulfur Dioxide National Ambient Air Quality Standard (NAAQS). Final rule.
- ◆ **EPA**, Allocations of Cross-State Air Pollution Rule Allowances From New Unit Set-Asides for the 2015 Compliance Year. Final rule; notice of data availability (NODA).
- ◆ **EPA**, Air Plan Approval; KY; Emissions Statements for the 2008 8-Hour Ozone NAAQS. Final rule.

### Waste

- ◆ **EPA**, Revision to the Research, Development and Demonstration Permits Rule for Municipal Solid Waste Landfills. Final rule.
- ◆ **EPA**, Additions to List of Categorical Non-Waste Fuels. Final rule.

### Endangered Species

- ◆ **EPA**, Endangered and Threatened Wildlife and Plants; Threatened Species Status for the Big Sandy Crayfish and Endangered Species Status for the Guyandotte River Crayfish. Final rule.
- ◆ **U.S. Fish and Wildlife Service**. Listing Endangered and Threatened Species and Designating Critical Habitat; Implementing Changes to the Regulations for Designating Critical Habitat. Final rule.
- ◆ **U.S. Fish and Wildlife Service**. Interagency Cooperation—Endangered Species Act of 1973, as Amended; Definition of Destruction or Adverse Modification of Critical Habitat. Final rule.
- ◆ **Fish & Wildlife Service**, Endangered and Threatened Wildlife and Plants; 4(d) Rule for the Northern Long-Eared Bat. Final rule.

## Safety

- ◆ **OSHA**, National Consensus Standards; Eye and Face Protection. Final rule.
- ◆ **OSHA**, Occupational Exposure to Respirable Crystalline Silica. Final rule.

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QUESTIONS, COMMENTS, ADDITIONAL INFORMATION

[koria@smithmanage.com](mailto:koria@smithmanage.com)

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## THANK YOU!

KCHMM THANKS ITS CORPORATE SPONSORS WHOSE ANNUAL INVESTMENT UNDERWRITES THE COST OF CHAPTER PROGRAMS AND ACTIVITIES.



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Terracon



Zeon

## Mission Statement

The purposes of the KCHMM Chapter are:

- To collectively represent and to safeguard the common interests of the members of the hazardous materials management profession;
- To cultivate, promote and sustain the profession of hazardous materials management;
- To elevate and maintain the professional character and education of hazardous materials managers;
- To contribute toward the protection of human health and of the environment; and,
- To facilitate the exchange of ideas to improve administration of hazardous materials management programs.

### KCHMM Officers & Board of Directors, 2016

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