



## Upcoming Chapter Meetings

November 19th, 2008

- Wind Power

December 10th, 2008

- Environmental Update—  
Latest Scientific Findings

January 21st, 2009

- ASHRAE Standard 189.1:  
- Requirements for  
Green Buildings

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October 2008

## October 22nd, 2008 Meeting

### *Flood Restoration: Health Hazards of Black Water*

**Wane A. Baker, P.E., CIH**

Floodwaters can carry a variety of industrial chemicals, pesticides and soil-based microorganisms into your home, office or school, while significant mold growth is likely on wet building materials. This combination has led the news media to coin a new term: "Toxic Mud". Although the mud deposited is generally not as hazardous as this term might imply, people working in flooded buildings need to know about the potential health risks. In this presentation, we'll focus on pathogenic, Gram-negative bacteria, and methods for "clearing" a space prior to re-occupancy.

Wane A. Baker is the Indoor Air Quality Division Manager of Michaels Engineering, a diversified environmental and engineering consulting firm.

Wane is a licensed Professional Engineer (P.E.) and Certified Industrial Hygienist (CIH) with more than 30 years of experience in the operation and maintenance of various building types, including 25 years at a professional level in environmental consulting, construction and energy conservation. He has worked as an air quality professional on a full-time basis for more than 17 years, providing a unique combination of education and experience as an engineer, building scientist and occupational hygienist.



### Program

Location: Trane  
2213 S. 20th St.  
La Crosse, WI 54601  
Technology Center  
Building 12 — IA/IB

Date: October 22nd, 2008

Program: Flood Restoration

Agenda: 12:00 — Meeting  
12:30-1:30 — Program

Cost: No Cost

Lunch is available for purchase from the cafeteria

Mr. Baker has managed or personally conducted thousands of IAQ assessments. As a forensic scientist, he serves as an Expert Witness on the building physics aspects, underlying causes, sampling methods and interpretation, management and remediation of water damage and microbial amplification for numerous law firms. Wane is an active member of the Indoor Air Quality Association, the American Industrial Hygiene Association, and ASHRAE, serving as the La Crosse Chapter President 2001-2002.

## Recognition of Past Presidents

The success of the La Crosse Area ASHRAE Chapter would not have been possible were it not for the dedication of outstanding leaders who contributed their time and effort to make this chapter a model for the rest of the Society. To recognize their service, the upcoming October chapter meeting is dedicated to past chapter presidents.



2008-2009

### Officers

**President**

**Rick Heiden**

**President-Elect**

**Larry Butz**

**Treasurer**

**Mike Groen**

**Secretary/Website**

**Jim Spielbauer**

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**Student Activities**

**Scott Hintz**

**CTT (programs)**

**BJ Newton**

**Research Promotion**

**Dwayne Johnson**

**Membership**

**Chris Hsieh**

**Historian**

**Jim Ritter**

**Newsletter**

**Jill Trochinski**

1971-72 Hugh A. Boschert  
 1972-73 Neil R. Patterson  
 1973-74 James M. Ritter  
 1974-75 Thomas W. Mulrine  
 1975-76 Donald N. Kirby  
 1976-77 William J. Landman  
 1977-78 Eugene K. Edwards  
 1978-79 G. Allan Gaboric  
 1979-80 Ken J. Schomberg  
 1980-81 James R. Miles  
 1981-82 Philip A. Dockendorf  
 1982-83 Arthur D. Hallstrom  
 1983-84 John F. Klouda  
 1984-85 Kim Olson  
 1985-86 James N. Wagner  
 1986-87 Paul W. Ehrlich  
 1987-88 Dennis A. Stanke  
 1988-89 Duane L. Lom  
 1989-90 John B. Heck

1990-91 James M. Porter  
 1991-92 Stephen M. Fedie  
 1992-93 Donald M. Eppelheimer  
 1993-94 Gerhard W. Pierce  
 1994-95 Bruce E. Anderson  
 1995-96 Forrest K. Moe  
 1996-97 Kevin R. Schnack  
 1997-98 Thomas A. Ley  
 1998-99 Mark Halderson  
 1999-00 Mike Byars  
 2000-01 Eugene McNurlen  
 2001-02 Wane Baker  
 2002-03 Brian Reynolds  
 2003-04 Susanna Hanson  
 2004-05 Ed Swan  
 2005-06 Bill Fox  
 2006-07 Lane Liudahl  
 2007-08 Dwayne Johnson

## ASHRAE 2009 Winter Conference

Once again the La Crosse Chapter will coordinate a trip to the Winter meeting. The dates are January 26th-27th including bus transportation and an overnight hotel stay. Focus on Energy has again, graciously offered financial

support to defray the costs for members. Of special note, ASHRAE has provided a one day free technical seminar pass for first time meeting attendees, a \$250 value. Please contact Rick Heiden if you would like one of the passes. Meanwhile save the date and look for trip registration details in

**SUSTAINABLE Urban Design**  
*Engineering Tomorrow... Today*  
 2009 ASHRAE Winter Conference

**engineering tomorrow... today**

**ASHRAE's 2009 Winter Conference**  
**January 24-28**  
**AHR Expo**  
**Jan. 26-28**

[www.ashrae.org/chicago](http://www.ashrae.org/chicago)

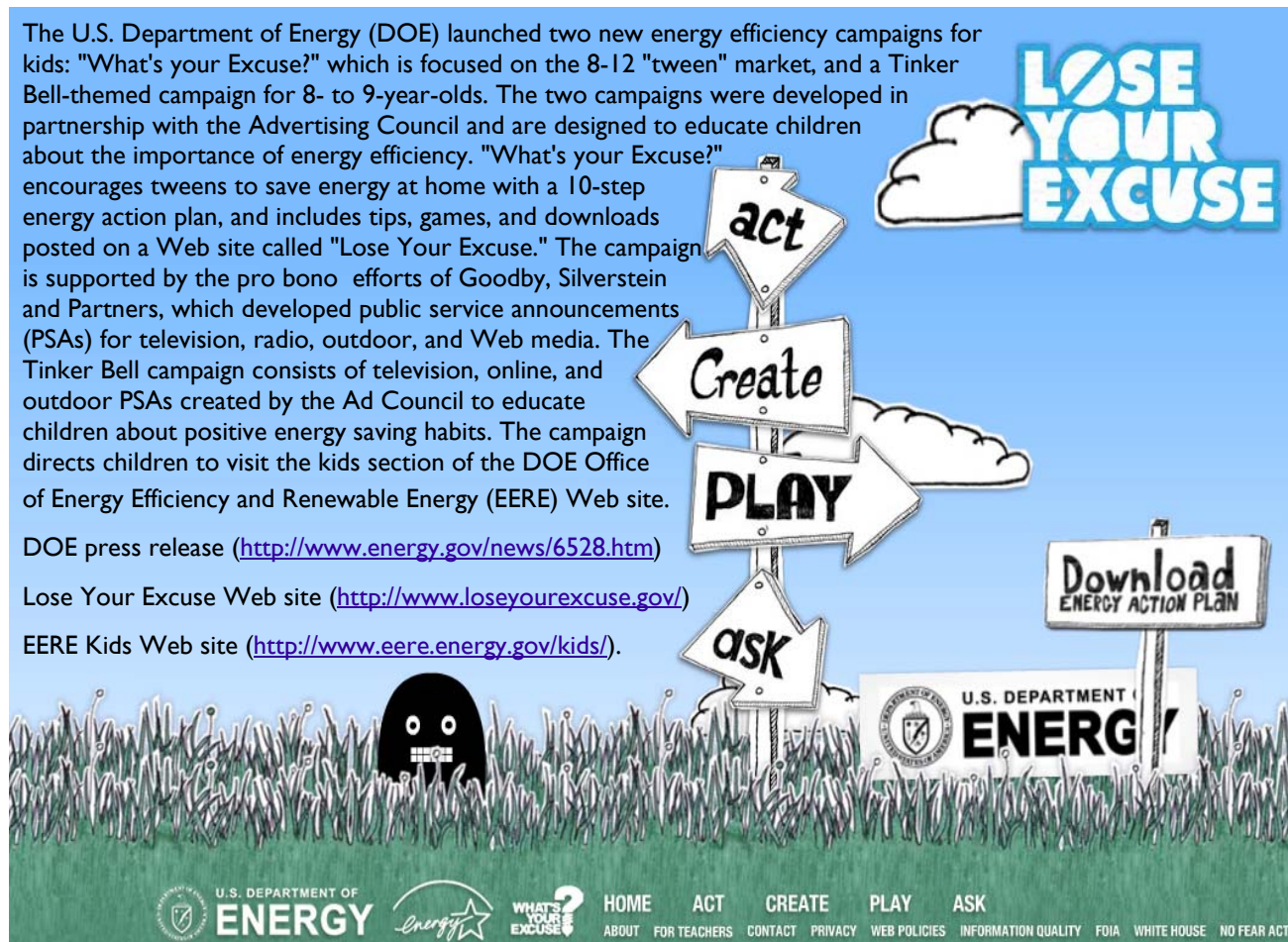
## DOE and Ad Council Launch Energy Efficiency Campaigns for Kids

The U.S. Department of Energy (DOE) launched two new energy efficiency campaigns for kids: "What's your Excuse?" which is focused on the 8-12 "tween" market, and a Tinker Bell-themed campaign for 8- to 9-year-olds. The two campaigns were developed in partnership with the Advertising Council and are designed to educate children about the importance of energy efficiency. "What's your Excuse?" encourages tweens to save energy at home with a 10-step energy action plan, and includes tips, games, and downloads posted on a Web site called "Lose Your Excuse." The campaign is supported by the pro bono efforts of Goodby, Silverstein and Partners, which developed public service announcements (PSAs) for television, radio, outdoor, and Web media. The Tinker Bell campaign consists of television, online, and outdoor PSAs created by the Ad Council to educate children about positive energy saving habits. The campaign directs children to visit the kids section of the DOE Office of Energy Efficiency and Renewable Energy (EERE) Web site.

DOE press release (<http://www.energy.gov/news/6528.htm>)

Lose Your Excuse Web site (<http://www.loseyourexcuse.gov/>)

EERE Kids Web site (<http://www.eere.energy.gov/kids/>).



## ASHRAE Publishes Residential IAQ Guideline

A new residential ventilation and indoor air quality (IAQ) guideline is now available from ASHRAE.

ASHRAE Guideline 24-2008, *Ventilation and Indoor Air Quality in Low-Rise Residential Buildings*, is the companion guideline to ANSI/ASHRAE Standard 62.2-2007, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*, the only nationally recognized ventilation and IAQ standard developed solely for residences. Guideline 24 provides information on achieving good IAQ that goes beyond the requirements contained in Standard 62.2 by providing explanatory and educational material not included in the code-intended standard.

The guideline, which was written by the committee responsible for maintaining Standard 62.2, includes information on envelope and system design, material selection, commissioning and installation, and operation and maintenance.

Committee chair Steven Emmerich said, "While Standard 62.2 contains the essential minimum requirements that all low-rise residential buildings should meet to achieve acceptable IAQ, Guideline 24 is an essential resource for designers, builders and others looking for reliable information on topics not covered in the standard or seeking to go beyond minimum for high performance construction. Topics covered range from fundamentals of building airflow to humidity control to verification of equipment performance."

**Advancing  
HVAC&R to  
serve humanity  
and promote a  
sustainable  
world**



La Crosse Area Chapter of  
ASHRAE  
c/o Jill Trochinski  
Trane  
3600 Pammel Creek Road  
La Crosse, WI 54601

We're on the web

[www.ashraelacrosse.org](http://www.ashraelacrosse.org)

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To have your business card published  
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Mike Groen at 608-787-3190.

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## American Society of Heating, Refrigerating, and Air-Conditioning Engineers

ASHRAE, founded in 1894, is an international organization of 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing & continuing education.

Our vision:

ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

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## ASHRAE Efforts to Building Sustainable Headquarters

ASHRAE's newly renovated Headquarters effectively serves as a laboratory without walls to extend the Society's knowledge and information worldwide.

"Our Living Laboratory provides value to ASHRAE members and the industry by allowing for evaluation of the ongoing energy and operational performance of the building at a level that is unprecedented in current commercial buildings," Bill Harrison, ASHRAE president, said. "The lab allows ASHRAE to contribute significantly to reducing energy use in buildings via future development of research and educational materials."

Completed in July, the \$7.65 million renovation includes a new learning and meeting center. Sustainable measures include projected reduction in annual energy usage of more than 31.5 percent through use of a dedicated outdoor air supply with energy recovery and humidity control, ground-source heat pumps and variable refrigerant flow systems with heat recovery; 52.3 percent reduction in water consumption by using low-flow or no-flow fixtures throughout the building; and increase of outside air delivered to each space by 30 percent beyond minimum rates specified in ASHRAE's Standard 62.1. More information can be found at [www.ashrae.org/building](http://www.ashrae.org/building).

The renewal was funded through donations of more than \$1.65 million in equipment, services and furnishings from more than 20 companies and individuals and the ASHRAE Foundation.

"The generous donations of the companies help ensure ASHRAE's headquarters is a showcase of sustainability for its members and the HVAC&R industry as a whole," Harrison said. "With its sustainability and productivity focus, this project showcases their commitment to environmental leadership and healthy built and natural environments. ASHRAE is grateful for not only their donations, but their dedication to the technologies we are embracing as part of the renewal."

Complete descriptions of donations can be found at [www.ashrae.org/building](http://www.ashrae.org/building). Major contributors to the Headquarters project include the ASHRAE Foundation, Carrier Corp., Automated Logic Corp. / Automated Logic Georgia, ClimateMaster Inc., Daikin Industries Ltd., Southern Company/Georgia Power Company, and Trane.

Trane donated key elements of the Headquarter's building HVAC system, including a dedicated outdoor air system to optimize performance by reconfiguring internal components with bypass dampers. The company is supporting name of a conference area as the Reuben Trane Executive Conference Room.

"Through technology and innovation, Trane continues to support engineers in our industry," John W. Conover IV, Trane president, Americas, said. "Our donation to the ASHRAE Headquarters living lab is a symbolic way to demonstrate our continued dedication to ASHRAE and to engineers