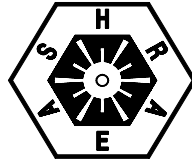


THE BADGERAIRE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS, INC.

Corey Metzger
David Grassl
Lorisa Behrens
Maggie Roll

President
Vice President
Secretary
Treasurer



Aaron Ting
Michelle Haines
Steven Hagman
Maggie Roll

Director
Director
Director
Editor

A PUBLICATION OF THE WISCONSIN CHAPTER OF ASHRAE

Volume Number VIII – May, 2007

June Social Event – The R in ASHRAE – Pettit Center Tour Thursday, June 14, 2007

On June 14th, 2007 the Wisconsin ASHRAE Chapter will be putting on our final program of the ASHARE year until next September. Our June program will be a little different from our typical meetings and will consist of visiting the Pettit National Ice Center, a U.S. Olympic Training Facility. Since there are only two other facilities of it's kind in North America, the Pettit Center has features and history you can't find anywhere else.

As part of our tour we will be viewing the largest refrigeration system in the state of Wisconsin which is in charge of making ice for two Olympic size ice hockey rinks and an Olympic speed skating oval. We will find out how the ice is made and other fun facts about how the Pettit Center operates. This event is open to all ASHRAE members and also their families as we will celebrate our successful year by having a social event and skate the oval like Olympians.

Food and beverages will be provided for all those who attend. When you sign up, please note the number of family members you plan to bring with you to this event. Bring your skates, family and friends as this will definitely be a "cool" event for a warm summer day.

Program Location

Pettit National Ice Center
500 S. 84th Street
Milwaukee, WI

Registration & Tour:	5:00 p.m. – 6:15 p.m.
Dinner:	6:15 p.m. – 7:15 p.m.
Skating:	7:15 p.m. – ?

Prices:

The program cost of \$15.00/adult, \$5.00/child will include dinner and skating fees. Skate rentals are available for \$3.00 payable to the Pettit Center. Checks should be made payable to the "Wisconsin Chapter of ASHRAE."

PLEASE MAKE YOUR RESERVATIONS ONLINE AT WWW.ASHRAE-WI.ORG OR TELEPHONE YOUR RESERVATION TO MAGGIE ROLL @ 414.778.7422. PLEASE HAVE YOUR RESERVATIONS IN BY CLOSE OF BUSINESS, TUESDAY, JUNE 12, 2007.

THANK YOU



PRESIDENT'S COLUMN

Hello everyone. As our 2006-2007 ASHRAE Society Year comes to an end, there are a number of things I would like to mention in my final column. First, please join me in thanking Julian de Bullet for coming and speaking to our chapter at our May meeting. Julian traveled quite a long distance to share his excellent presentations with us and it was very much appreciated. I would also like to once again thank all of the other speakers and hosts who have shared presentations and tours with our chapter this year.

The individuals who make up the ASHRAE Wisconsin Chapter leadership (Officers, Committee Chairs, and Board of Governors) have worked very hard this year to make the Wisconsin Chapter of ASHRAE better for all of our membership. With their combined effort, I believe the chapter has made great strides this year and I believe it is in a position to be even more successful in coming years. I would like to express my gratitude to each and every one of these individuals for their continued contributions to our organization. I would also like to thank those members who took time out of their busy schedules to attend one or more of our monthly meetings this year. I hope you found whatever meeting(s) you may have attended to be well worth your time and will attend more meetings next year.

Please consider attending the upcoming golf outing as well as our final chapter meeting for the year later in June. The final chapter meeting will be a tour of the ice plant at the Pettit National Ice Center. Along with the tour there will be food and ice skating. You are all encouraged to bring family and friends to this event.

Finally, I would like to thank you all again for allowing me to serve as your Chapter President over the past year. It has been a wonderful

experience and I will have fond memories of the time Becky and I have spent in the Milwaukee area. I would like to be the first to encourage you to attend the 2007-2008 Region VI CRC, being held in the Chicago area next May. I hope to see you all there.

Corey Metzger
Wisconsin Chapter of ASHRAE President
corey-metzger@mchsi.com

WISCONSIN DNR REGULATIONS FOR HVAC COMPANIES

In May, 2006, the Department of Natural Resources (DNR) sent a postcard to all parties holding a "HVAC Contractor" credential issued by the Commerce Department under COMM 5, Wis. Adm. Code. The purpose of that mailing was to inform HVAC businesses that you may also be regulated when handling "end-of-life" equipment.

In 1990, Wisconsin enacted laws to prohibit the release of refrigerants that destroy the earth's protective ozone layer. Since that time, other damaging refrigerants have been added to these regulations. As refrigeration and air-conditioning equipment is being serviced or disposed, these substances cannot be released – they must be properly recycled using approved equipment operated by qualified technicians.

The 1990 laws created three regulatory programs housed in three state agencies: The Department of Agriculture, Trade and Consumer Protection regulates anyone who services vehicle air-conditioners and refrigerated transport under ch. ATCP 136, Wis. Adm. Code. The Commerce Department regulates those who install and maintain "stationary" refrigeration and AC equipment under chs. COMM 5 and 45, Wis. Adm. Code.

THE DNR REGULATES SALVAGE ACTIVITIES

The DNR regulates those who transport or salvage any type of refrigeration or air-conditioning equipment containing regulated refrigerants and which has been permanently removed from service

and is intended for disposal or salvage. The requirements are spelled out in ch. NR 488, Wis. Adm. Code, "Refrigerant Recovery from Salvaged and Dismantled Refrigeration Equipment."

An HVAC companies' work comes under these regulations if they handle refrigerated home appliances to be recycled. HVAC contractors may also come under the regulations when replacing a complete home AC system or when hired by a demolition contractor to recover refrigerants from equipment in a building.

SUMMARY OF DNR REGULATIONS

Chapter NR 488 strictly prohibits releasing "regulated refrigerants" (CFC, HCFC, HFC and PFC refrigerants or blends) while salvaging or dismantling whole units of any type of refrigeration or air-conditioning equipment or transporting it for salvage. They must be properly recovered, using approved equipment operated by qualified technicians. The business recovering these refrigerants must be registered with the DNR, keep records of their recovery activities, and supply documentation that the refrigerants were properly removed to whoever receives the scrapped equipment (only one-time-per scrap business). Those transporting appliances for salvage that contain regulated refrigerants must certify to the DNR that they will not release those refrigerants during this "Safe Transport."

The rule sets annual registration fees for those who perform refrigerant recovery or safe transport, and states the statutory penalties for violations of several provisions. The usual DNR registration fee for HVAC companies is \$125 if they are registered with the Commerce Department and only salvage as a minor activity incidental to providing repair services.

FOR MORE INFORMATION

Contact Lance Green, DNR Refrigerants Program Coordinator, at 608/264-6049 or Lance.Green@dnr.state.wi.us. Visit our website at <http://dnr.wi.gov/org/aw/air/reg/refrig/> to print out regulations, registration forms, sample record-keeping forms, a descriptive flyer, and lists of registered parties.

ASHRAE Publishes New Standard 62.1

ASHRAE's new 2007 ventilation standard contains key changes impacting ventilation system designers and their designs.

ANSI/ASHRAE Standard 62.1-2007, *Ventilation for Acceptable Indoor Air Quality*, sets minimum ventilation rates and other requirements for commercial and institutional buildings.

"Standard 62.1 has served the building industry and the public as the most prominent standard on ventilation for indoor air quality," Dennis Stanke, committee chair, said. "Changes in the 2007 standard build on the improvements published in the 2004 version, providing additional guidance for designers of building ventilation systems."

ASHRAE Summer Meeting – June 23-27 Long Beach, CA

A famous fictional British spy may be the best when it comes to protecting the world from evil. But when it comes to making indoor environments in the world comfortable, productive, safe and energy efficient, nobody does it better than ASHRAE. Join other elite ASHRAE '007 "agents," aka members, at the 2007 Annual Meeting to shape the future of the HVAC&R technology, helping "protect" the world we live in. With a technical program focused on conserving natural resources, a variety of educational courses, and social events that will leave you "shaken but not stirred," ASHRAE '007 provides you with access to state-of-the-art technology, outstanding networking and career advancement. **Naturally....nobody does it better than ASHRAE. Be a part of it.**

For more information, please visit <http://www.ashrae.org/events/page/562>

WISCONSIN CHAPTER OF ASHRAE
 P.O. BOX 13643
 WAUWATOSA, WI 53213-0643



MEETING DATE / THEMES	LOCATION	TOPIC	SPEAKER
June 4, 2007	Muskego Lakes Country Club	Mike Stram Open Golf Tournament	
June 14 or 21st Evening Meeting	Pettit Center	Pettit Center Tour and Ice Skating	TBA

All meetings will be held the third Thursday of every month, except December.

*Please note: This is a tentative schedule; topics may be subject to change.