



# THE THERMOS



The St. Louis Chapter, ASHRAE Newsletter  
[www.ASHRAE-STL.org](http://www.ASHRAE-STL.org)

VOLUME 27, NUMBER 6  
February 2012

## MAKE YOUR RESERVATION TODAY FOR Monday, February 13th, 2012

5:00 – 7:00 PM TOUR (1.0 PDH)

### Marlo Coil Factory Tour in High Ridge, Missouri

DRS Marlo Coil has manufactured heat transfer, refrigeration, industrial coils along with marine coils for the United States Navy since 1925. We will tour the facility that houses Engineering, Computational Fluid Dynamics, Manufacturing and Testing. Some of the items we will see on the tour are the manufacturing steps that include fin press, tube expansion, header fabrication, sheet metal fabrication, final assembly and testing processes. Additionally we will see various coil casing types, fin types and materials, header designs, cleanable coils, steam and distributing steam coils, air tight housing, split core and Mill Spec shipboard coils.

Please see page 2 for tour requirements & additional information.

### 7:00 PM Dinner

Jilly's Steakhouse  
1630 Gravois Road  
High Ridge, MO 63049

<http://jillyscafeandsteakhouse.com/index.php>  
following the tour.

### Jilly's Steakhouse

1630 Gravois Road  
High Ridge, MO  
63049

Chapter Members Cost \$0.00\*

\* when chapter dues paid

Non-Members Cost \$25.00

Cash or Check Only-No Credit Cards  
at the door.

### RESERVATIONS

*Everyone must register even if you  
have paid local dues.*

ONLINE: Click on hyperlink below or copy this  
into your browser:

<http://ashrae-stl.org/registration/>

Please make sure that you fill in all the  
information requested. Thanks.

PHONE: Must be called into 314.890.0820 ext.  
102, no later than NOON, Friday, February 10,  
2012. This is a voice mail extension. This  
number is in operation 24 hours a day.

CANCELLATION: You may cancel up to noon  
on the **Monday** before the meeting. If not  
cancelled by this point, you will be  
responsible for the meeting cost listed  
above.

PDH CERTIFICATES: If you want a PDH for  
either session, please check the appropriate  
boxes during online reservation or for phone  
reservations leave email address and PDH  
requests.

## Please note the following requirements:

1. Must be a US Citizen due to security issues.
2. **NO CELL PHONES OR CAMERAS ARE ALLOWED! PLEASE LEAVE THESE IN YOUR VEHICLE!**
3. Wear correct type of footwear. This is a working factory so no open toe shoes, heels, etc. Leather is preferred, but tennis shoes are acceptable.
4. All visitors need to check in at the security gate located between the East and West Building (only one guard shack). The guard will instruct the visitors where to park and what door to enter the building. We ask for car pooling to minimize the traffic on Highway PP trying to check in. Visitors can park at Jilly's and carpool to Marlo to help in this process.
5. Please **read** the Marlo [VISITOR BROCHURE](#). Click the hyperlink to read.
6. We will have the registration table in the lobby at Jilly's starting at 5:00 PM, not Marlo. Car pooling will start at 5:10 PM to get everyone to Marlo's factory by no later than 6:00 p.m.
7. You **MUST** provide your **date of birth** in the meeting registration form for security clearance.



## ASHRAE STL PRESIDENTS COLUMN

**Vincent F. Stanec III**

Our February meeting is our annual Tour Night. This year we will tour the Marlo Coil Manufacturing Plant in High Ridge, Missouri. The plant has been in the St. Louis Metro area for quite sometime now and it will be our Chapter's first visit.

Heat transfer is one of the basic processes we deal with everyday and air coils are probably responsible for at least 90% of the transfer of energy between water/refrigerant and air. Ever wonder how they are constructed? How capacity is modeled? Why are there different types and specifications? What makes a Military coil differ from others? If so, the answer to these and other questions is just a short ride away.

Take some time out of your busy schedule and attend our February program. You might learn something.

## ASHRAE ST. LOUIS CHAPTER ANNUAL TEGA AWARDS

### LAST CHANCE TO SUBMIT! DEADLINE IS MARCH 2, 2012!

The submission deadline for ASHRAE's annual energy award is rapidly approaching, but there's still time. If you have any projects you think may qualify, just follow the instructions on the simple 2 page form and send it to Chad Adler, TEGA Committee Chairman, at [chad.b.adler@jci.com](mailto:chad.b.adler@jci.com).

Remember, this award recognizes energy savings, efficiency, and innovative thinking in the categories of Commercial Buildings, Institutional Buildings, Healthcare Facilities, Industrial & Process Facilities, Public Assembly, Residential, or Alternative and/or Renewable Energy Uses.

The TEGA awards are a great way to recognize both your client's and your own dedication to green design. Both the engineer of record and the client will receive plaques recognizing them for their dedication to energy efficiency. The plaques will be awarded at the Spring awards program where the engineer and client will also receive complimentary meals.

## JANUARY REFRIGERATION MEETING RECAP

**Russ Barnhouse**, VP of Sales at United Refrigeration, presented at both the Technical Session and the main forum. In his tech session, Russ instructed on factors influencing refrigerant decisions and the various alternatives available. He also explained the fundamentals, components, piping practices and glycol properties of a secondary glycol system.

During the main session, Russ presented on Refrigerant decisions in food retail-alternatives, secondary glycol and CO2 systems. He began by defining the properties of CO2 as high cooling capacity, non-flammable, good heat transfer coefficients, low viscosity, non-corrosive and non-toxic. Later, examples of typical supermarket application schematics were explained, highlighting system advantages and pitfalls.



## SAVE THE DATE!

**CRC 2012 is coming up!**

May 3 – 5, 2012  
Minneapolis, MN

[LINK TO OFFICIAL REGISTRATION SITE](#)



**MOA<sup>2</sup>**  
**More Opportunities for ASHRAE**  
at the  
**Mall Of America**

ASHRAE 2012  
Region VI CRC  
May 3-5, 2012

The graphic features a blue and white background with a large red star. Below the text are two images: on the left, the Mall of America sign with a large star; on the right, a photograph of the Mall of America building.

Please be aware that  
[ASHRAE-stl.org](#) undergoing repair

## UPCOMING EVENTS

Student Night, March 12, 2012  
Officer Installation/TEGA. April 9, 2012  
Spring Golf Tournament, TBA