

DATE: Tuesday, April 20, 2010

BASIC CLASS: **Natural Gas Systems Design & Engineering**

VENDOR CLASS: **Toilet Flushing Technologies - 1 AIA CEU** *(See the April newsletter for details)*

SPEAKER: **Pat Baker, Kohler Company**

DESIGN CLASS: **Practical Design & Implementation of Water Reuse Systems**
 The presentation will deal with design tools to engineer efficient water reclamation systems for non potable applications under the framework of LEED. Reclamation from rain, grey water, cooling condensate and wash water will be discussed. Discussion will deal with design, sizing, storage, disinfection and transmission of non potable water. Available LEED points for water reuse systems will round out the discussion.

In follow-up to Michael Gauthier's presentation on Rainwater Reclaim, David will "fill in the blanks" with regard to the filtration and pump controls involved in these highly adaptable systems.

SPEAKERS: **Michael Gauthier, Division Manager Highland Tank & Manufacturing Company**
David Carrier, CEO of QuantumFlow, Inc.

TIME: 6:00 - 8:30 pm

WHERE: Plumbing Industry Training Center



Michael Gauthier, Division Manager Highland Tank & Manufacturing Company, has over 17 years experience in the water/wastewater industry. Employed with Highland Tank for over 8 years, Michael has been instrumental in the development and engineering of new products for the waste water division. Highlights include development of Highland Tank's HighDRO™ line of water reuse systems. Michael is also co-author of Vol- 4 ASPE Plumbing Engineering Design Handbook Chapter 8: Grease Interceptors.



David Carrier is founder and CEO of QuantumFlow, Inc. For the past 23 years, David Carrier has worked in the packaged pumping systems market. He started as an independent representative in 1984 calling on engineers and contractors. As one of the top sales agents in the country, he was asked to create and develop a packaged systems product line for a major pump manufacturer in 1992. After successfully deploying a national marketing and production organization, he joined a controls manufacturer in 1997 only to return to packaged systems production in 2001. He is the author of several publications regarding packaged pump systems, specializing in the application and promotion of variable speed pressure control. He spoke on behalf of variable speed design during the 1996 ASPE (EPE 2006) National Convention in Tampa, FL. As one who understands and enjoys the market, David is the "hands-on" director for all engineering, sales and marketing of QuantumFlo, Inc. of DeBary, FL in addition to being its Chief Executive Officer.

CLASSES

Classes are open to anyone interested—you do not need to be a member to attend classes. There is no charge to attend classes. Registration is required. SEE reverse side for registration information.

DINNER

A hot catered dinner is available at a cost of \$15 per person to non ASPE, ASSE and MBPA members. Cash (at the door) or checks made payable to ASPE-EMC are accepted. We ask that you please notify us when you register for class if you plan to eat dinner.

ASPE PLUMBING ENGINEERING DESIGN HANDBOOK CLASSES

Basic classes are held each month, unless otherwise stated, from 3:30 - 5:30 pm with instructor, Joe Hernandez, CPD.

VENDOR CLASSES

Get introduced to the latest technologies. Classes run from 3:30 - 5:30 pm.

ASPE Eastern Michigan Chapter Plumbing Design Classes

Plumbing Industry Training Center

DATE: Tuesday, April 20, 2010

WHERE: Plumbing Industry Training Center
1911 Ring Drive - Troy, MI 48083

TIME: 3:30 - 5:30 PM

BASIC CLASS: **Natural Gas Systems Design & Engineering**

VENDOR CLASS: **Toilet Flushing Technologies - 1 AIA CEU**

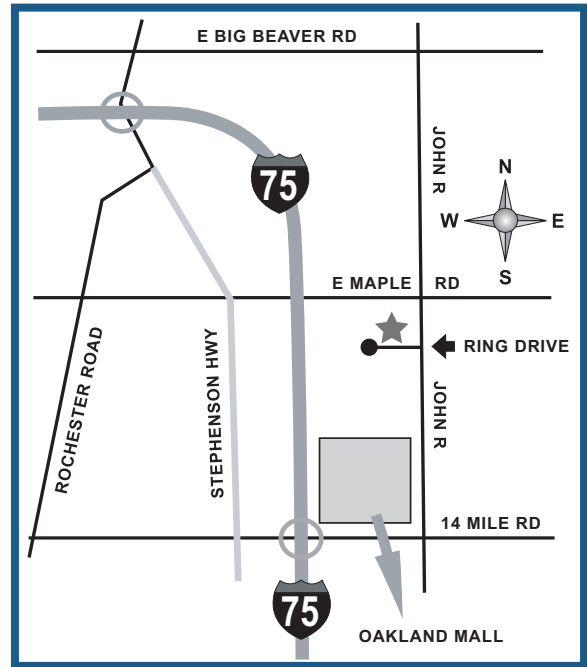
SPEAKER: **Pat Baker, Kohler Company**

DINNER: 5:30 - 6:00 PM

PROGRAM: **Practical Design and Implementation of
Water Reuse Systems**

SPEAKERS: **Michael Gauthier
David Carrier**

TIME: 6:00 - 8:30 PM



PLEASE NOTE

Topics, times and places are subject to change, depending on the availability of the presenter or unpredictable circumstances. Check our web site for the most up-to-date information.

SPREAD THE WORD!

Please post a copy of this flyer on the bulletin board at the place where you work.

REGISTRATION

Registration is *required* by 5:00 PM on the **Friday** prior to the day of class. Visit our web site at www.aspe.org/Eastern_Michigan (*URL is case sensitive*) for easy registration and a printable map to the Plumbing Industry Training Center. Register by contacting ASPE VP Technical David Rhodes with your name, contact information and indicate if you will be eating dinner:

BY PHONE - Mary Chapman at (313) 341-7661 ext. 210 *or*

BY E-MAIL - David Rhodes at drhodes1vpotech@aol.com

BY FAX - Fill in the form below and fax it to the attention of Mary Chapman at (313) 341-1007.

<p>_____</p> <p>NAME <input type="checkbox"/> ATTENDING DINNER Yes <input type="checkbox"/> No</p> <p>_____</p> <p>NAME <input type="checkbox"/> ATTENDING DINNER Yes <input type="checkbox"/> No</p> <p>_____</p> <p>COMPANY OR AFFILIATION</p> <p>_____</p> <p>ADDRESS</p> <p>_____</p> <p>TELEPHONE NUMBER</p>	<p>_____</p> <p>NAME <input type="checkbox"/> ATTENDING DINNER Yes <input type="checkbox"/> No</p> <p>_____</p> <p>NAME <input type="checkbox"/> ATTENDING DINNER Yes <input type="checkbox"/> No</p> <p>_____</p> <p>CONTACT PERSON OR SUPERVISOR</p> <p>_____</p> <p>CITY / STATE / ZIP CODE</p> <p>_____</p> <p>E-MAIL ADDRESS IF AVAILABLE</p>
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