

ASPE NEWS

American Society of Plumbing Engineers

Eastern Michigan Chapter

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Vol. 12, Issue 8

Plumbing Design Classes

NOTE: Meeting offsite at NSF
Date: Tuesday, April 21, 2009
Where: NSF International
789 N. Dixboro Rd
Ann Arbor, MI 48105
SEE map on back page

ASPE HANDBOOK CLASSES 4:00 - 6:00 PM

Basic: NO BASIC CLASS
Adv: Public Swimming Pools & Decorative Fountains

DINNER 6:00 - 6:30 PM

Cost: ASPE, ASSE, MBPA Mbrs: NC
Non-members: \$15.00 FOR DINNER

DESIGN CLASS 6:30 - 8:30 PM

Topic: Backflow Prevention & Lab Cross Connection Control

Speaker: Paul Bladdick
See page 3 for program & bio

See the full event schedule on our web site.

REGISTRATION REQUIRED

For the months of March and April please
RSVP by the **Friday** prior
to day of class to:

David Rhodes, CPD, Director
drhodes@cr-plumbing.com
Phone 586-739-8915 x 59

PRESIDENT'S REPORT

John R. Nussbaum, IPP, FASSE



Code Development for the 2012 ICC Code Cycle is underway. The deadline for public proposals has been extended till June 1, 2009. Forms may be downloaded at www.iccsafe.org/cs/codes/2009-cycle or you may write up your proposed changes by May 15, 2009 and get them to Paul Bladdick, Barry Pines or myself by May 15, 2009, so we can meet the June 1, 2009 submittal deadline. Our code committee members Paul Baker, Paul Bladdick or Barry Pines can assist you if you need help.

Over the past several years we have been actively and successfully involved in the code development process, with your help and contributions we will continue to be heard. This year's hearings will be in October and November in Baltimore, Maryland, and we will be well represented there to hear and give testimony for the 2012 code cycle. As of this writing, I have not yet heard who will be representing us on the IPC Plumbing Committee or Residential Committee. You will be informed when dates are set for the Code Study and Development Committee to meet. You will be informed of the time and place of these meetings. Remember the committee is a consensus group made up of Plumbing Design Professionals, Contractors, Manufacturers Representatives, Journey and Master Plumbers and Regulatory / Inspectors. We are the only true consensus group that takes part at the IPC / Residential hearings.

The following subjects, thus far, have been presented to Esteban Cabello, who is Co-Chair of the Symposium educational program. The Western Michigan Chapter and Eastern Michigan Chapters have requested LEED, (MCA Detroit had an outstanding 4-hour seminar on LEED and the speaker's name was submitted to Esteban for consideration to be the presenter at the Symposium), Geothermal Design and Grey Water Systems were also suggested as possible subjects. Other subjects submitted were how to interpret and use the latest *Domestic Water Heating Design Manual* and the *ASPE Plumbing Engineering & Design Handbook of Tables*. Dave Jones of

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IMPORTANT NOTICE

We will be holding a **CPD Exam REVIEW CLASS** on
April 11, 2009 from 8:30 am to 1:30 pm at the MCA Detroit offices
located at 14801 W 8 Mile Rd., Detroit, MI 48235. No cost involved.
Please register with John Nussbaum by sending an email to him at
jnussbaum@mcadetroit.org

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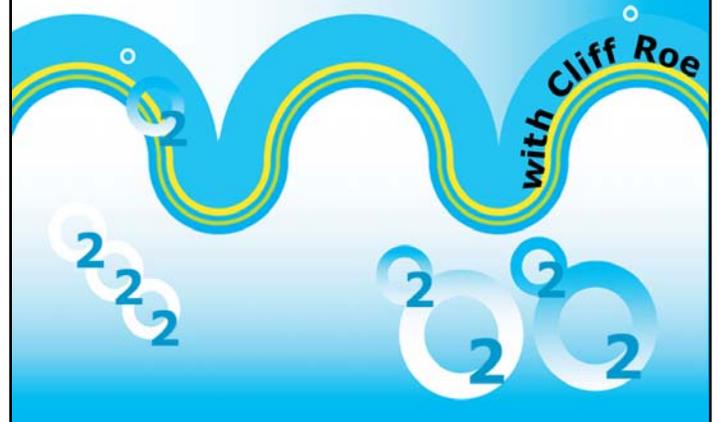
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April Tech Program

Backflow Prevention & Laboratory Cross Connection Control



Paul Bladdick

Paul Bladdick has been in the plumbing industry since 1966 and a Master plumber and contractor since 1978. His company, The LPB Co. Inc. has specialized in cross connection control and backflow protection since 1992. Paul is certified to install, repair and test backflow preventers in 14 states. He is qualified as an instructor and proctor for backflow prevention courses. He is the current president of Michigan Backflow

Prevention Association and active member of ABPA – National. He is past president of ASSE – Michigan Chapter and candidate for 3rd vice-president of the International Association. He currently is a member of all technical backflow technical committees. He writes a regular column for Plumbing Standards magazine and has contributed articles for all the major trade magazines. Paul is a regular speaker at the various trade educational seminars including the 2006 ASPE conference in Tampa, Florida.

Program: Paul will talk about the importance of the thorough surveys of laboratory facilities for cross connections, including what to look for, where to look and the proper ways to correct them, based on the degree of the hazards posed. This will take place on site in an NSF laboratory. Check our web site for a map to NSF International in Ann Arbor, MI.

don't miss
April 21
NSF Laboratory
Cross
Connection
Control

@ NSF
with Paul Bladdick

TECHNICAL REPORT

David Rhodes, CPD CRD



Due to health issues, Ed Hawley asked me to handle some of his duties as VP Technical. Ed gives much time and effort to the Chapter on a monthly basis and is greatly missed. Ed is quite a bit better and plans to be back with us for the meeting in May.

I would like to thank everyone who took the time to sign up for the classes and dinner. Planning can be a real challenge and

your e-mail reservations are greatly appreciated. Please continue to send your reservations to me through the month of May.

In the month of March, 2009, the Eastern Michigan Chapter of ASPE met on the 4th Tuesday of the month. I would like to thank you all for your support of the Chapter seminars. I know a change in the schedule can be a real issue and your board makes every attempt to plan far enough in advance to allow everyone to make any adjustments necessary in their schedules to attend.

The topics at the March meeting were Steam and Condensate System Equipment, presented by Dan Senia, and Spill Prevention and Containment Design, presented by Gregory G. Aymong.

Dan Senia, with K.L. McCoy and Associates, presented for the Advanced Design class and used his years of experience in the HVAC and Plumbing industries to bring us a glimpse of the problems associated with contemporary use of steam. From the smallest residential heating systems we are all familiar with, to massive commercial space heating projects, industrial and manufacturing applications, large scale hot water production for hotels, hospitals and commercial laundries, to the generation of power, steam has a multitude of uses and comes in many forms. Dan showed us that steam is very much alive and well, and if properly controlled can be very cost effective. He explained the types of equipment, controls, appurtenance and methods for the safe use of steam and how to deal with the condensate, with both high pressure and reduced pressure systems. Did you know superheated steam is invisible and even a pinhole leak can be a life threatening danger? We, as designers, were made to realize both the potential benefits and inherent dangers of steam. Being certified in steam inspection, Dan explained how important the proper design, maintenance and inspection of steam traps and condensate handling systems can be. We learned about the use of leak detection surveys to eliminate costly repairs and unnecessary shutdowns. Although steam power has been used for decades, its full potential has yet to be realized.

For the evening seminar, Gregory G. Aymong, VP of Wastewater Treatment Systems for Highland Tank, presented the new SPCC regulations for Oil and Chemical Spill and Containment Compliance. Our members and guests in attendance got a good overview of the elements of proper spill containment design and will be in a better position to serve their clients when these new rules take effect on November 20th of this year.

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President's Report

continued from page 1

the John E. Green Company would like to have a program on B31.9 and have it presented by Walter Sperko. **What would you like to have taught at the Symposium?** Now is your chance to submit what your desires are to Esteban Cabello to forward to the Society. From now till October, I will be encouraging you to plan on attending the Symposium and please, as soon as you can, inform me of your intent. As of now we want your registrations to be through the Chapter so we may be able to possibly help you with a monetary subsidy based on the number of members we can send to the Symposium. The Western Michigan Chapter is joining us and will charter a bus to bring them down to the Symposium.

April Design Class

To the Manufacturers Representatives we need some table tops displays at the April meeting at NSF in Ann Arbor April 21, 2009.

To the Members we need your attendance at the April 21, 2009 ASPE meeting. **We will have some very nice door prizes for those in attendance at the April meeting at NSF.** I am looking forward to seeing you there.

*Your president,
John Nussbaum*

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A Thought for Our Members

A lecturer, when explaining stress management to an audience, raised a glass of water and asked, "How heavy is this glass of water?" Answers called out ranged from 20g to 500g. The lecturer replied, "The absolute weight doesn't matter. It depends on how long you try to hold it. If I hold it for a minute, that's not a problem. If I hold it for an hour, I'll have an ache in my right arm. If I hold it for a day, you'll have to call an ambulance. In each case, it's the same weight, but the longer I hold it, the heavier it becomes." He continued, "And that's the way it is with stress management. If we carry our burdens all the time, sooner or later, as the burden becomes increasingly heavy, we won't be able to carry on. As with the glass of water, you have to put it down for a while and rest before holding it again. When we're refreshed, we can carry on with the burden. So, before you return home tonight, put the burden of work down. Don't carry it home. You can pick it up tomorrow. Whatever burdens you're carrying now, let them down for a moment if you can." So, friends, put down anything that may be a burden to you right now. Don't pick it up again until after you've rested a while.

VP Technical Report

continued from page 3

Gregory showed us what we need to include in the design of new facilities and how we can save our customers with existing facilities the pain of Federal fines and penalties.

Spill containment is more than just a concrete block wall or earthen dyke. The primary and secondary containment designs must work together with oil and chemical separation to prevent contamination of our streams, rivers, lakes, drinking water and the environment as a whole.

By combining containment of spilled petroleum products and separation of petroleum oils and organic FOGs, (fats, oils and grease) from waste water and storm runoff, we can recover spilled product to protect the environment and recover grease and waste oils which can be processed into fuels and other products. We took away a much better understanding of the design requirements for tank farms, fueling depots, storage facilities and other sites targeted by the EPA and SPCC regulation. Those in attendance also received handouts with the regulations and design examples for storage, containment, treatment and handling of petroleum products, chemicals, waste and storm water and were provided with the latest information on the types of equipment available, material specifications, and ways to maintain safe above-ground and below-ground storage and handling of many hazardous materials and the treatment/reuse of wastewater.

March Sponsors

On behalf of the board and members we graciously thank our Tabletop Sponsors for their support and the dinner for our March meeting:

- ◆ V. E. Sales Company, Inc. represented by Cindy Zatto
- ◆ K. L. McCoy & Associates, Inc. represented by Dan Senia

April Meeting

The April meeting is at the NSF facility in Ann Arbor. The topic for the evening seminar will be Backflow Prevention & Laboratory Cross Connection Control. Paul Bladdick, of LPB Company, the Administrative Secretary for our Chapter, will

present to us the importance of thorough surveys of laboratory facilities for cross connections, including what to look for, where to look and the proper ways to correct them, based on the degree of the hazards posed. This will take place on site in the NSF laboratory. A tour of the facility will be given by fellow ASPE Director, Jeremy Brown of the NSF.

This is an important topic as area hospitals increase their presence with the smaller scale clinics and labs throughout the Metropolitan area. Please support your Chapter and be in attendance. The meal will be fully sponsored by the NSF at no charge to us. Again your registration will be important.

David Rhodes, Director

Eastern Michigan ASPE

Secretary, Eastern Michigan RPA



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2009

ASPE Technical Symposium

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October 22-25
Dearborn, Michigan

Electing Chapter Officers and Directors

Support Your Industry - Enhance Your Resumé - Consider Volunteering for a Board Position

If you would like to volunteer and help out the organization that you have chosen to belong to, please read the brief description of available positions. If any of these positions is of interest to you, please contact John Nussbaum at (313) 341-7661 ext. 211 or (248) 866-1400 (cell). No experience is necessary. These positions will be filled at the ASPE meeting on Tuesday, May 19, 2009. The Chapter President and Board of Directors will also present possible Eastern Michigan candidates to the membership for consideration.

Committees (non-elected positions): The Eastern Michigan Chapter has numerous committees including Membership and Affiliate Liaison. Responsibilities vary from attending meetings, assisting Chapter Officers in welcoming new members and assisting at Chapter meetings.

Newsletter Editor/Website Manager: Responsible for organizing articles sent in from the Chapter Officers and publishing them in a monthly newsletter. Forward the newsletter and other miscellaneous announcements to our members. Position responsibilities include: web site manager; e-newsletter editor/designer; print newsletter editor/designer; create monthly program flyers; create yearly program brochure; soliciting ads and line ads each year; maintaining email distribution lists for board, sponsors, members and region chairman; invoicing for ads and maintaining a record; keep a file of published newsletters; communication regarding ad placement; communication with board regarding all of the above.

Corresponding Secretary: Responsible for all intra-chapter correspondence and communication with Society including forwarding copies of meeting minutes to Society and the Region Chairman; Maintains member contact information for the purposes of mailing and faxing.

Administrative Secretary: Responsible for keeping all meeting minutes and forwarding copies to all Chapter Officers.

Treasurer: Responsible for collecting, depositing and disbursing funds related to Chapter finances. Submit a monthly financial report to chapter Board of Directors prepare yearend financial reports.

Vice President, Membership: Planning and implementing membership recruitment programs and membership retention. Responsible for maintaining accurate Chapter roster including member contact information for Chapter membership records and communicates new member information to Corresponding Secretary and Newsletter Editor.

Vice President, Legislative: Responsible for providing viewpoints on codes, ordinances, regulations and standards. Be a

liaison to code writing committees, regulatory organizations and agencies as necessary.

Vice President, Technical: Responsible for planning, organizing and directing all technical activities and events of the Chapter. This also includes arranging the technical presentations for monthly Chapter meetings; including soliciting and billing table sponsors for each meeting. Write a monthly article for the Chapter newsletter.

President: Responsible for providing the Chapter's leadership. Represent the Chapter at other professional society functions and wherever else attendance may be required. Organize and manage Chapter meetings, appoint Committee Chairpersons and maintain and grow interest in the Chapter. Write a monthly article for the Chapter newsletter.

CONSIDER VOLUNTEERING

The Board's primary responsibility is to provide leadership in developing and executing stimulating programs and activities that will aid the membership in the performance of their jobs and advance their technical skills and careers.

Giving of your time and talents as a volunteer or a board member can have a direct and personal impact on causes you care about as well gaining leadership and event planning experience.

It is extremely important in any organization to bring new people on board to be mentored into positions, who will also bring fresh viewpoints and new ideas to the table.

You will have support. We also want to prevent the loss of organizational memory and to tap an abundance of experience and expertise by keeping past board members active.

Volunteering offers a chance for personal growth, to have fun, to share a skill, to have an impact, to be a part of a team and to get to know the people in your field of expertise.

Consider volunteering!

MARCH Meeting

Wes Patton, Photographer



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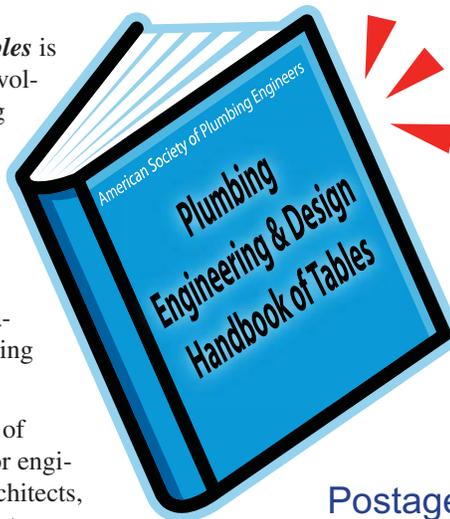
Virtually all engineers, designers and contractors have a plethora of books, from engineering texts and engineering guides to the Cameron Hydraulic Data book to the ASPE Plumbing Engineering Design Handbooks, just to name a few. In addition, there are various tables provided by every imaginable manufacturer, plus what is undoubtedly available on your computer—from manufacturer calculation programs to Excel calculation spreadsheets for the major equations used in the profession.

So why this book? Because like most engineers and designers, you enjoy the tactile feel of looking up data and information in a book, a book that can fit right next to you on your work surface and requires no starting of computer programs and choosing what might be needed. This book is the one you will always keep right at your your side for instant access to the everyday data you need.

The *Plumbing Engineering & Design Handbook of Tables* is a comprehensive reference tool that offers in one source volume all the equations, sizing tables and other engineering and design tables used by plumbing engineers, designers and contractors on a daily basis. The book includes applicable tables and information from the major plumbing codes and standards used throughout the U.S.

This unique book is a collaborative effort of plumbing engineers and designers. It provides the data and information used every day to engineer, design and install plumbing systems.

The handbook (6" x 9", with approximately 2,400 pages of equations and tables) is a working guide and reference for engineers, plumbing system designers, plumbing officials, architects, plant engineers, inspectors, journeymen, students, contractors, builders, and all those associated with the plumbing and contracting industry. It provides data and tables in an easy-to-use and understand format.



INSIDE *Plumbing Engineering and Design Handbook of Tables*:

- 01-Manning Equation: Tables
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- 04-Fixtures-Drains-Vents Tables
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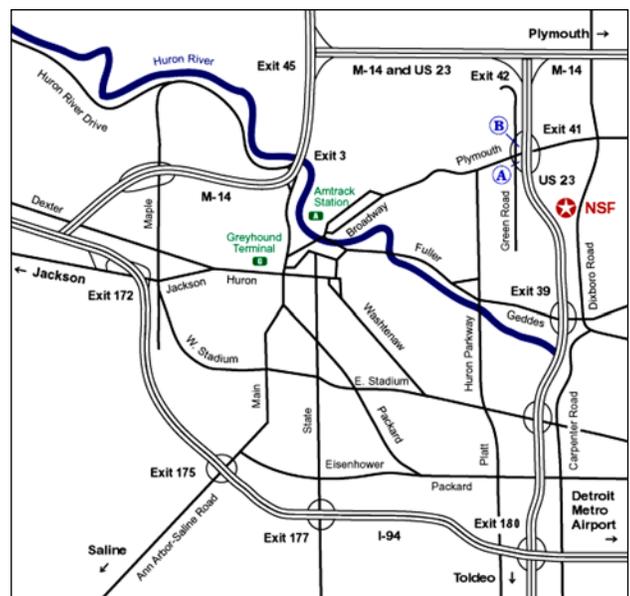
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