

ASPE NEWS



Cleveland Chapter of The American Society of Plumbing Engineers

March 2008

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From the President:



Well, I can stop holding my breath now. It looks like I spoke too soon with hopes of escaping the season with little snowfall. With Cleveland weather you can't expect it's going to stay nice for too long this time of year. Let's just hope March brings us some better weather. I know I am ready for it.

I would like to thank **John Varga** for stepping up and filling in for me at last month's meeting. As the beginning of February rolled around and finally over my bronchitis, I was hit with a Vestibular Disorder (inner ear disturbance) which resulted in dizziness and imbalance for some time. As difficult as it has been despite the symptoms, the key component of successful adaptation from what I have been told is a dedicated effort to keep moving. After 3 different doctors and testing after testing, I am hoping to be back on track by the next meeting.

We had around 35 members of ASPE/ASSE turn out for our February meeting. I would like to thank **Todd Stevens** and **Bob Fisher** of **Viking Corporation** for being on hand that evening. **Todd Stevens**, I understand, did a very professional job as he presented his topic on **Fire Protection Systems**. I would also like to thank **Jeff Callahan** of **Victaulic Fire Protection Services**, and **Josh DiMacchia** of **Viega** for presenting tabletops at the meeting.

Online Registration for the **2008 Engineered Plumbing Exposition** in Long Beach, Ca **October 25-29** officially opens the first week of May. The grand prize at this years Exposition is a new 2009 Saturn Sky convertible! In order to have a chance at winning is to play the EXPO-OPOLY game. When visiting the exhibitor booths simply get the matching logo stickers and place them on your game board and turn in your game board for a grand prize drawing ticket. More details about this and much more in the month's ahead.

At the March meeting we will be raffling off some "**Ride the ASPE Wave**" caps! These caps have been created especially for the Convention and will **ONLY** be given out to those who register and attend the Convention. If you are not interested in a cap you can also elect to pick from some useful items still remaining from the Presidents meeting last year (I believe this is the last of them). All money from the raffle will help to send a chapter member to the Convention, or at least offset some expenses.

We will also have "**Ride the ASPE Wave**" **convention logo pins** available at the March meeting. On the back of the pin is a unique serial number. The attendees must take the pin to the registration desk at the Convention to see if they have a winning number. There are great prizes to be had so don't forget to wear your pin at the Convention in October!

The next **ASPE Webinar** is scheduled for **Wednesday April 16th** at **1:00PM**. Mark Allen of Beacon Medaes will present the webinar "**Green Opportunities in Medical Gases**". The webinar is one-hour and will discuss how plumbing engineers and designers can improve medical gas designs by understanding some of the ways in which green ideas can be applied. The cost for the of the webinar is \$69.95 for ASPE members and \$129.95 for nonmembers. ASPE continuing education credits are

From the President (Continued):

approved by the state of Ohio. Each participant can earn 0.1 CEU or 1 PDH. Visit www.aspe.org to register.

Volume 3 of the **Plumbing Engineering Design Handbook** should have been shipped to all ASPE members by the end of January. If you did not receive your copy, please notify Stacey Kidd at skidd@aspe.org and let her know and she will send one out directly to you.

The next online proctored **CPD exam** will be held on **April 18th or 19th** of this year. The deadline to register is next Friday March 14th. More information can be found inside this month's Newsletter or on the ASPE website at www.aspe.org.

The latest newsletter and Chapter information has been posted on our web site. The site can be accessed at www.clevelandaspe.org.

Reminder: We need to provide an accurate head count to Harry's Steakhouse for those who will be attending the next Plumbing Training Session. Please send in your RSVP via email to Kevin Noble at knoble@sbmce.com no later than noon on Friday, March 7th. If you do not RSVP by this time, we cannot guarantee that a meal or handout will be reserved for you.

See you on March 12th!

Michael Drab,
President, Cleveland Chapter

From V.P. Technical:

I would like to thank Todd Stevens, with Viking Corporation for being our guest speaker at the February 13, 2008 training session. The topic of the seminar was Fire Protection Systems. The presentation outlined residential sprinkler systems as it relates to NFPA 13D and NFPA 13R. Also, the presentation outlined pre-action and deluge systems, the types; non-interlock, single-interlock, and double-interlock, and pneumatic versus electric releases.

The March 12, 2008 seminar topic will be Medical Gas Distribution Systems. The speaker will be Edward James Lyczko, with the Cleveland Clinic. Edward is a Master Plumber and is a Plumbing Supervisor at The Cleveland Clinic with over 31 years of experience.

Please confirm your reservation for this seminar by noon of Friday, March 7, 2008 with Kevin Noble at knoble@sbmce.com. If you have any questions and/or comments about the seminars, please do not hesitate to contact me at jvarga@sbmce.com

John A. Varga
V.P. Technical, Cleveland Chapter



Speaker: Todd Stevens
Viking Corporation

From V.P. Legislative:



To become an Ohio residential plumbing inspector, an individual must have a minimum three years of plumbing experience. To become an Ohio commercial Plumbing inspector, you must have a minimum of seven years of plumbing experience.

The Cleveland Plumbing Industry (CPI) has been working on a few legislative issues in regards to plumbing inspectors. Recently, CPI testified before the Ohio Residential Construction Advisory Committee and was asking that the minimum experience level for residential inspectors be increased from three years to seven years. CPI also has the backing of the Plumbing-Heating-Cooling Contractors Association (PHCC) on this issue.

CPI testified because they feel that the residential inspectors do not have sufficient experience and wanted to bring up the requirements to the level of the commercial inspectors. Since the residential program had been in force since 2005, they agreed to grandfather all of those three year inspectors who were already on the job so they would not lose their positions.

After hearing their case, the Advisory Committee voted to retain the rule that only requires a minimum of three years experience for residential inspectors.

I am of the opinion that the more experience a person has, the better suited they are to perform the duties of a particular position regardless if it is in the position of plumbing inspector, plumbing engineer or plumbing designer. Our industry is constantly changing and we as engineers must continue to educate ourselves in an effort to provide the best services possible for our clients. I would like to know what our members think of this issue. Please feel free to give me a call or send me an email and let me know your thoughts.

On another topic, it is my understating that the plumbing industry is considering drafting a mandatory statewide plumber journeyman licensing law. I will let you know as soon as I hear anything more on this subject.

Mitch Clemente, CPD
V.P. Legislative

Welcome New Members!

- **Drew Koenig**
Garmann/Miller Architects-Engineers

On behalf of the Cleveland Chapter of ASPE, it is our pleasure to welcome you as a new member. We appreciate your support and congratulate you for taking this step toward a better professional future. In addition we encourage you to attend the chapter's monthly technical meetings. They are an excellent resource for education and professional growth. If you would like any additional information please contact one of your chapter officers. They will be more than happy to help you.

ASPE Cleveland Chapter

**2007-2008 ASPE Meeting/Plumbing Class Schedule
March 2008**

<u>Date – Time – Place</u>	<u>Agenda</u>	<u>Speaker</u>	<u>Exhibitors</u>
March 12, 2008 – 5:00 PM Harry's Steakhouse Cost: \$23.00	Medical Gas Installation	Edward Lyczko – Cleveland Clinic	Tri-Tech Medical IAPMO
April 9, 2008 – 5:00 PM Harry's Steakhouse Cost: \$23.00	Groove Piping Systems	Dave Burns - Anvil	Anvil
May 14, 2008 – 5:00 PM Harry's Steakhouse Cost: \$23.00	ADA Compliant Fixtures (Tentative)	Tom Campbell – Campbell Equipment	

The above is the meeting/plumbing class schedule for the 2007-2008 ASPE year. Updated information will appear in subsequent newsletter issues. All meetings will be at Harry's Steakhouse, 5664 Old Brecksville Road, Independence unless otherwise indicated. The meeting/plumbing class, including dinner, is \$23.00. Reservations are required. A mini product show will be held before each meeting/plumbing class highlighting some of the materials discussed in class or products that will assist the engineer in understanding what they are designing or specifying. All plumbing classes will qualify for 0.1CEU hours and will assist in preparation for the ASPE CPD examination.

The following times will be enforced as strictly as possible. Make your reservations a minimum of two days before the meeting/class and try to be on time.

- Mini product show 5:00 to 6:00 Dinner 6:00
- ASPE business 6:30 Plumbing Class 6:45 to 7:45

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<ul style="list-style-type: none"> Optimized design delivers 87.5% water savings over conventional 1.0 gpf urinal 	<ul style="list-style-type: none"> 100% water savings over conventional 1.0 gpf urinal 	<ul style="list-style-type: none"> No water conservation benefits
<ul style="list-style-type: none"> Standard housekeeping practices apply 	<ul style="list-style-type: none"> Significantly increased housekeeping and maintenance training costs 	<ul style="list-style-type: none"> Standard housekeeping practices apply
<ul style="list-style-type: none"> Unlimited installation applications 	<ul style="list-style-type: none"> Limited installation applications 	<ul style="list-style-type: none"> Unlimited installation applications
<ul style="list-style-type: none"> Lowest operation and maintenance costs 	<ul style="list-style-type: none"> Highest operation and maintenance costs 	<ul style="list-style-type: none"> Moderate operation and maintenance costs
<ul style="list-style-type: none"> User acceptance 	<ul style="list-style-type: none"> Decreased user acceptance 	<ul style="list-style-type: none"> User acceptance
<ul style="list-style-type: none"> No drain line maintenance required 	<ul style="list-style-type: none"> Annual drain line maintenance 	<ul style="list-style-type: none"> No drain line maintenance required

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	Pint Urinal	Waterless Urinal (cartridge type)	1.0 gpf Urinal
Side by Side Cost Analysis Assumptions			
Gallon Per Flush	0.125	0.000	1.000
Daily Users per urinal	50	50	50
Typical Use per day/per user	2	2	2
Combined Water/Sewer Rate per 1,000 gallons	\$7.00	—	\$7.00
Uses per Cartridge	—	3,500	—
Cost per Cartridge	—	\$55.00	—
Days of Operation per year	260	260	260
Total Uses per year	26,000	26,000	26,000
Annual Water Usage Comparison			
Water Use (gallons/day)	12.5	—	100
Water Use (gallons/year)	3,250	—	26,000
Cartridge Use (quantity/year)	—	7.42	—
Annual Operating Cost Comparison			
Annual Flush Valve Maintenance Costs	\$20.00	—	\$ 45.00
Cartridge Cost (year)	—	\$408.10	—
Water/Sewer Cost	22.75	—	182.00
Total Annual Operating Cost	\$42.75	\$408.10	\$227.00
Estimated Annual Savings Comparison			
Estimated New System Purchase Price	\$ 600.00	\$ 399.00	\$ 450.00
Total Annual Operating Cost	42.75	408.10	227.00
First Year Cost	642.75	807.10	677.00
Ten Year Cost	\$1,027.50	\$4,480.00	\$2,720.00



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2008 CPD EXAMINATION
April 18th or 19th – 2008

Registration Opens January 7, 2008
Deadline: March 14, 2008
CPD Bulletin Available Online Only@
www.aspe.org → Certification → CPD Bulletin

The CPD Examination is Only Available Online.

The CPD designation is achieved through successful completion of the comprehensive CPD examination and maintained through a biennial recertification program.

The Certified in Plumbing Design (CPD) program is an international certification program for engineers and designers of plumbing systems. Successful completion of the CPD examination confers upon the candidate the designation "Certified in Plumbing Design" or CPD. The certification program provides the profession, the plumbing industry, and the general public with a single, comprehensive qualification of professional competence for engineers and designers of plumbing systems.

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- Identifies those individuals who fulfill prescribed requirements of experience, responsibility, and conduct.
- Recognizes those individuals who meet a standard of professional competence.
- Encourages plumbing engineers to participate in a continuing program of professional development.
- Provides a standard for educational programs in plumbing engineering.

ELIGIBILITY

To be eligible to take the CPD examination, a candidate must possess a minimum of four (4) years of practical experience in a position of responsibility for the design of plumbing systems and possess a baccalaureate degree in a field related to engineering. In lieu of an accredited degree, a candidate may substitute up to an additional four (4) years of practical experience in the design of plumbing systems, for a total of eight (8) years, or be granted a credit of one-half year of practical experience for each one (1) full year of education in an accredited curriculum related to plumbing engineering.



CONTENT OF THE EXAMINATION

The CPD examination consists of 100 multiple-choice questions covering five major job dimensions: Gathering Information • Administration • Design • Specifications • Construction Services. The examination time allowed is 3 hours and 30 minutes.

TESTING FEE

The testing fee for the examination is \$375 for ASPE members, \$300 for ASPE members with P.E. and \$625 for non-members or \$550 for nonmembers with P.E.

PRACTICE EXAMINATION

CPD Practice Examinations may be available (visit www.aspe.org for more information). The Practice Exam is only available online, so you can take it from the comfort of your home or office. A Practice Exam has 30 questions covering the same five major job dimensions as the actual exam. Fee: \$75 per practice exam.

EXAMINATION DATE & TIME

The 2008 CPD Exam will be administered on Friday or Saturday, April 18th or 19th, 2008 depending on the available sites. After you register you will be contacted with a proctor number and an available site near you. The assigned testing site will confirm a test-taking date and time. Material needed will be available on-site. You should plan to bring a non-programmable calculator.

WHERE TO TAKE THE TEST

The April CPD exam will be an online proctored exam. There are approximately 200 possible testing sites throughout the United States and Canada — depending on a site's availability for our dates.

INFORMATION AND CPD BULLETIN

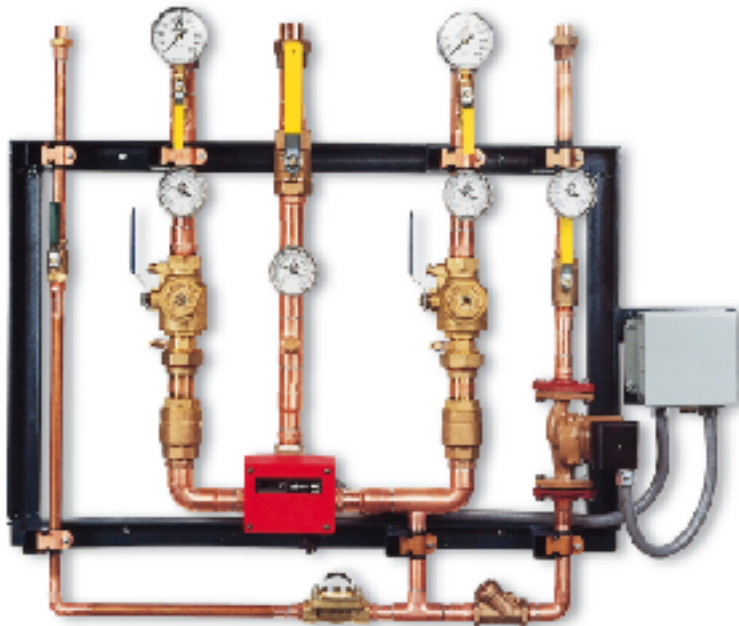
For more information about the test, download the 2007-2008 CPD Bulletin at www.aspe.org, certification, cpd bulletin.

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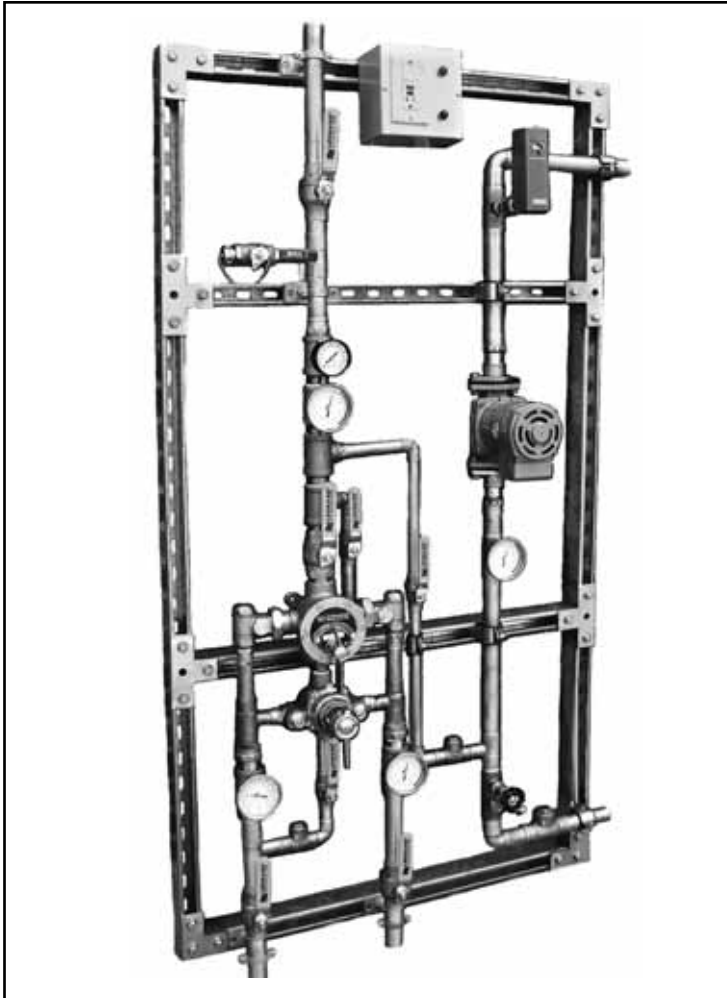
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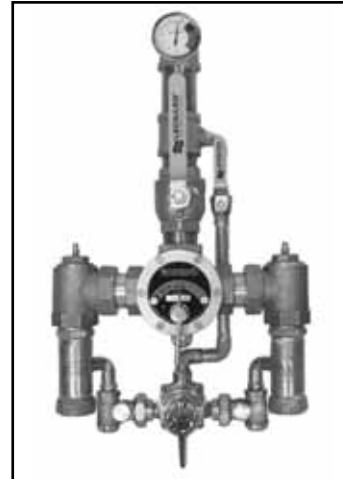
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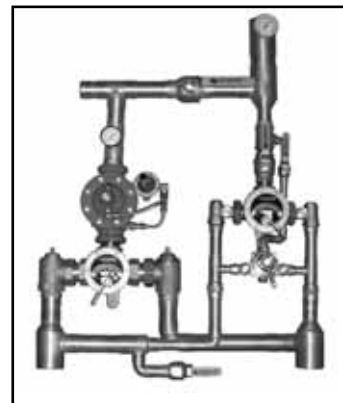
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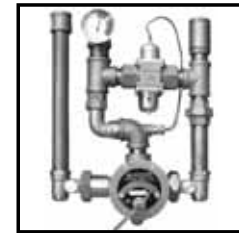
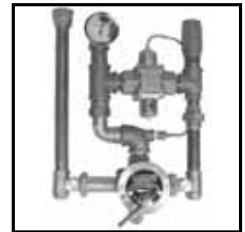
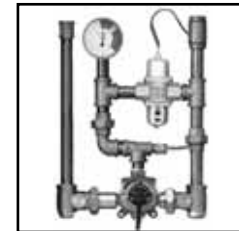
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IRISH FIRE DEPARTMENT



One dark night outside a small town in Wisconsin, a fire started inside the local chemical plant and in a blink of an eye it exploded into massive flames. The alarm went out to all the fire departments for miles around.

When the volunteer fire fighters appeared on the scene, the chemical company president rushed to the fire chief and said, "All our secret formulas are in the vault in the centre of the plant. They must be saved. I will give \$50,000 to the fire department that brings them out intact." But the roaring flames held the fire-fighters off.

Soon more fire departments had to be called in as the situation became desperate. As the firemen arrived, the president shouted out that the offer was now \$100,000 to the fire department who could bring out the company's secret files.

From the distance, a lone siren was heard as another fire truck came into sight. It was the nearby Irish rural township volunteer fire company composed mainly of Irishmen over the age of 65. To everyone's amazement, that little run-down fire engine roared right past all the newer sleek engines that were parked outside the plant. Without even slowing down it drove straight into the middle of the inferno.

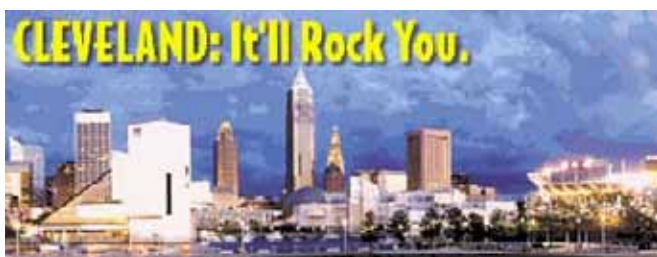
Outside, the other firemen watched as the Irish old timers jumped off right in the middle of the fire fought it back on all sides. It was a performance and effort never seen before.

Within a short time, the Irish old timers had extinguished the fire and had saved the secret formulas.

The grateful chemical company president announced that for such a superhuman feat he was upping the reward to \$200,000, and walked over to personally thank each of the brave fire fighters.

The local TV news reporter rushed in to capture the event on film, asking their chief, "What are you going to do with all that money?" "Well," said Shamus O' Foggerty, the 70-year-old fire chief, "Da first ting we gonna do is fix da brakes on dat f...ing truck!"

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