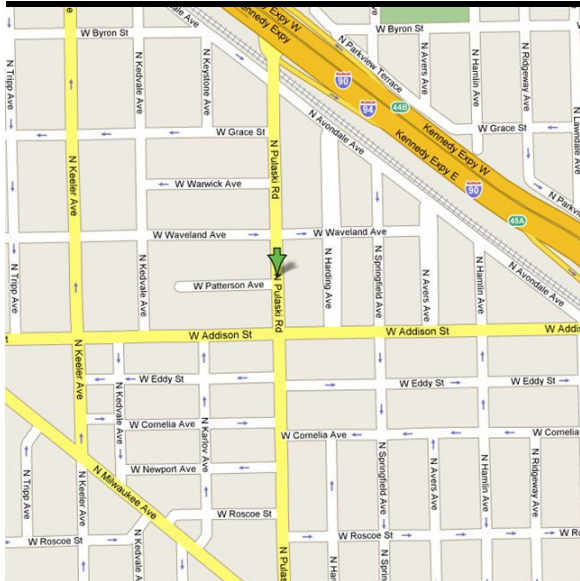


Chicago ASPENews



Chicago Chapter of the American Society of Plumbing Engineers
Vol. 39, No. 4
November, 2007



General Meeting
Thursday November 15, 2007

LaVilla
3638 North Pulaski
Chicago, Illinois
Plenty of Free Parking

Agenda

5:30pm-6:30pm

Cocktail Hour

6:00pm-6:30pm

Primer - Pipe Joining Methods for Mechanical Piping;
Jim Ness, Jim Ness and Company

6:30pm

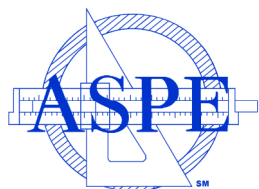
Dinner - \$25 Members / \$30 Non-Members

Menu

- | | |
|-----------------------------|-------------------------|
| • Minestrone Soup | • Roast pork |
| • Garden salad | • Green beans almandine |
| • Mostaccioli- tomato basil | • Oven baked potatoes |
| • Chicken Marsala | • Cake roll |

7:45pm

Program: Plumbing Design for Laboratories; Mike Straughn,
WaterSaver Faucet Co. and Mick Bradford, Russo Sales



RSVP as soon as possible to Bruce Weiss, VP Technical!

- Return the enclosed card for those of you getting this via US Mail)
- Call 312.960.8143
- Fax 312.527.8143
- Email bweiss@owpp.com

Local Chapters are not authorized to speak for the Society



PRESIDENT'S MESSAGE

The Plumbers' charge: To protect the health of the nation!

LEED Confusion?

There seems to be some confusion about LEED:

LEED = Leadership in Energy and Environmental Design.

Leeds = a major city in West Yorkshire, England.

Leed's = a manufacturer of office supplies, such as portfolios.

I hope that helps!

By the way, are you LEED Certified? – LEED Certification is becoming more and more important in our plumbing world. While only a limited number of credits are directly related to plumbing, there is a vital need for more LEED-AP plumbing engineers and designers. We should all strive to earn our LEED Certification just as we should all work to become CPD's and PE's. And as a reminder, CIPE is no longer recognized and cannot be used. Hopefully, all of the CIPE's upgraded to CPD.

*Autumn crosses our threshold and winter knocks at the gate.
But we don't mind because ASPE runs at full pace!*

BAM! October rocked!

Special thanks to Frank Bathauer, the Chief Plumbing Inspector for the City of Chicago, Department of Buildings, and John Khym, Assistant Chief Plumbing Inspector for the City of Chicago, Department of Water Management. They were excellent speakers. What was their primary message? The codes are minimum standards that we are required to meet. Be an engineer! That's why we're here folks. If you weren't there, well, BOOHOO for you. Keep your eyes open for the new Chicago Green Code.

Don't miss another meeting! Our November meeting is at La Villa. Look for more information in this newsletter. Don't forget to get your RSVP's to Bruce Weiss bweiss@owpp.com ASAP! You can win a FREE dinner, just as **Phil Blazic** did in October. ***Send your RSVP and mark your calendars now!***

Our 50/50 raffle was earmarked for the Leukemia Research foundation again. **Jason McDonald** won the 50/50 raffle and gave it all to the Leukemia Research Foundation! Very generous, Jason! Next month, the 50/50 raffle will also go to the LRF. In December, the 50/50 will go to Toys for Tots. We will also collect toys and/or cash contributions for the Toys for Tots at the December meeting.

ASPE TECHNICAL SYMPOSIUM PREVIEW

By the time you read this, the symposium will be in session. I'll review the experience in the next issue of ASPE News as will my companions. But I know this, ASPE just gets better and better. This will be the one of the best Symposia ever. Chicago will have a good presence there. Dan Fagan will share a presentation on Hi-Rise Design, Joe Ficek will do a CPD Review Class, and we have a good number of locals attending the event - 13 registered so far. We will also have our ASPE Chicago banner on display as a sponsor. I'm proud to be a member of the Chicago Chapter. I'm also proud of our national Board of Directors. They have finally pulled the magazine into its first surplus! That is great news. Please read it and support it! It's one of the perks of membership.

Thanks for your support! See you November 15th at LaVilla!

David DeBord, President

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Donald Johnson

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<http://www.aspe.org/Chicago>
("C" is required)



OCTOBER MEETING RECAP

The October meeting was one of the best meetings we have had in a long time. Not only did Frank Bathauer, the Chief Plumbing Inspector of the City of Chicago, speak but he also brought John Khym, the head of the City Water Department. We had an attendance exceeding eighty people and the highest retention rate of attendees staying for the entire meeting that I can remember.

Dick Simms of Deery-Pardue presented a nice primer about secondary supports and the time saving and installation benefits they offer. A big thanks to Deery-Pardue for being the evening's Beer Laureate.

The Inspectors began their presentation by speaking about the LEED initiatives and programs taking place throughout the City. Their department is starting to address the multitudes of questions that are arising due to gray water and water reuse. Mr. Bathauer did acknowledge that water reuse and conservation are here to stay and the issue is being addressed and it takes time to develop standards of water reuse so that the public safety is ensured and everyone has a level playing field in methodology.

Thank you to everyone who submitted questions. It was surprising that most of the question were very similar. John Khym was there to provide the City policy (although a lot of items are not code, they are the policy and subsequently what is expected at the time of installation). When asked if these policies will ever find their way into the code, one of the Inspectors stated, "The first policy is never to write down the policy." His honesty drew a huge laugh.

One example of the City's policies reported by John Khym is that the Water Department has revised its stance on vacuum breakers (VB) at 7'-6" above the finished floor. The Inspectors still want an elevated VB on mop basins and other outlets having hose threads. This is what ASPE stresses, too, because under the right conditions, if you have backflow and a negative pressure at the same time, the stop within the vacuum breaker can float and allow fluid to be sucked into the system. We have seen this happen with glycol. He said that in general, though, we do not need to elevate VB's depending on the level of hazard. The Water Department policy on external hose bibbs is that they want double-checks (which are testable devices) unless the water goes underground, in which case they want RPZ backflow preventers (also testable) for commercial installations. You can use the built-in type of VB for your house because there is little chance that your home system could draw any contaminants into the City system. Of course, one of the drawbacks of "testable" devices is that they have to be tested. That means they can be located no more than 5'-0" above the finished floor.

Another question answered was the issue of pump basins since cast iron basins are no longer an option. The City is accepting basins that are made of fiberglass and do not have any issues with basins that are of good quality and construction. What Mr. Bathauer was clear about was that the cheap "quality of a garbage can" basins are not acceptable. The most amusing answer was to the question of whether the City of Chicago will ever approve plastic piping for potable water and the reply of "not in my lifetime" drew another huge laugh.

The meeting was very successful and helps in providing a dialog between the plumbing engineering community and the City. The Chicago Chapter extends a HUGE thanks to Frank and John for finding the time to attend our meeting.

WHAT'S IN STORE FOR NOVEMBER

The primer - *Mechanical Joints for Piping*

Jim Ness of Jim Ness and Company is presenting a very interesting product for our primer. He represents a product that can mechanically join tubing whether it is steel or copper. It is approved for natural gas, medical gas and other mechanical applications. The product provides a flameless joint that not only saves time but also allows joints in areas where brazing and welding are not desired.

The feature presentation - *Lab Design*

Mick Bradford of Russo Sales and Mike Straughn of WaterSaver Faucet Co. will provide an overview of laboratory design. Laboratories present a challenge to the plumbing engineer because of the additional systems inherent in the design. Unique fixtures such as special waste disposal, uncommon piping, ultra pure water, additional safety requirements that are found in the laboratory environment and the plumbing engineer is responsible for all these systems. Mike will talk briefly on all these topics and also review the gray area of specifications and working with a Laboratory Consultant.

ASPE CHICAGO IN THE MOVIES??

Ok, we are not actually IN the movies but we are really close to the making of a movie.

We get the pleasure of dining in a room adjacent to the filming. No kidding - our meeting room is being reduced in size because of a movie being filmed at LaVilla. All I know from the celebrity gossip I have gathered is that it involves an Italian theme (go figure).

Bruce Weiss, Vice President Technical

OCTOBER 2007 MEETING ATTENDANCE = 76 PEOPLE

The following list of individuals attended the October 2007 meeting of the ASPE Chicago Chapter. In accordance with ASPE Society policy, these individuals are entitled to 0.75 RU's towards the required 24 RU's needed every two years to maintain CPD registration. Meeting attendance is also recognized by the Illinois Department of Professional Regulation to count as 1 PDH towards the required 30 PDH's needed every two years to renew Professional Engineering licenses.

Sean Allard	Paul Gangloff	John Nowakowski
Julius Ballanco	Gabriel Gomez	Jennifer Ogawa
Brenden Bates	Herb Hymen	Peter Ott
Frank Bathauer	Charlie Ismert	George Pagach
Phil Blazic	Bob Jackson	Gene Poull
Rick Butler	Rafal Janik	Kerbie Reader
Jeremy Cantor	Don Johnson	Dennis Richards
Jeff Cochran	Mark Kaulas	Kelly Ryan
Manuel Cordero	E.J. Kedzie	Tim Sack
Mike Cusack	John Khym	Frank Sanchez
Dan Courtney	Val Kurdaliev	Danielle Schenkoske
Ray Cruz	Frank Lamorgese	Jim Smia
Mike Cwanek	Terry LeBeau	Tim Smith
Bob Dahlmann	Lindsey Lehman	George Sobyra
Marilyn Dahlmann	Steve Lipsey	Jeff Steck
Jose DeAvila	Mark Loth	George Swietczak
Dave DeBord	Benden Loughrey	Robert Thompson
Dennis DeMars	Brian Makenas	Mike Vandenberg
Jamie Diamond	Mark Mannarelli	Harold Weil
James Dipping	Nevo Martelli	Bruce Weiss
Jill Dirksen	Shawn McAuliffe	Dan Whitehead
Mike Dore	Jason McDonald	Lyndsay Whitfield
Dan Fagan	Michael J. McGann	Marion Wnuk
Jim Feeney	James E. McGann	Peter Wu
Jerry Fields	Harold Miller	
Randy Fiorito	Tony Navarro	

This printing constitutes our record of who was in attendance. We apologize for any misspelling of names and ask that for future sign-ins please print legibly. Thank You!

CORRECTION!

One long-time ASPE Chicago member was mistakenly left off the September 2007 Attendance list - Nevo Martelli of KJWW. Nevo, please accept our apologies. We will try to not let that happen again!





MEMBERSHIP REPORT

Not too much going on Membership wise. We will be releasing the next update to the Membership Directory in November; so, if you want to confirm any changes in your information let me know. Also Affiliates, if you have any changes to your products let me know by **November 12th** or things will remain the same.

Don't forget, there is a cool show coming to Chicago McCormick Place the second week in November. It is the Green Building Expo (<http://www.greenbuildexpo.org/>).

Finally, we will be issuing a Chicago ASPE survey very soon; so, think of some ideas you might want us to consider that could make the Chapter even better than it is!

Rick Butler, Vice President Membership



CORRESPONDING STUFF

IFPA, www.ifpanet.org

Illinois Homeland Security Network – Solutions to Emergency Management and Business Continuity Challenges

Friday, November 9, 2007

Underwriters Laboratories, Inc. – Building 6

333 Pfingsten Road, Northbrook, IL 60062

Pre-Paid Registration Required: \$40.00 - payable to Western Illinois University

- Register online at <https://www.uluniversity.us/catalog/display>
- Or Mail to:

ILHSN, c/o Prof. Dean Alexander

Department of Law Enforcement and Justice

Administration, Stripes 403H

Western Illinois University

1 University Circle

Macomb, Illinois 61455

309/298-2120, Fax: 309/298-2187

E-mail: DC-Alexander@wiu.edu

Illinois PHCC, www.ilphcc.com

Convention Committee Meeting

Tuesday, November 6, 2007; 2:00pm - 4:00pm

Location: Doubletree Hotel – 10 Brickyard Drive, Bloomington, IL

Contact: Shelly Lott

Email: shelly@ilphcc.com

Phone: 217/522-7219

PAMCANI

Lunch Meeting

Wednesday, November 14, 2007; 11:30am - 2:00pm

Location: Shaw's Crab House, Schaumburg, IL – 847/517-2722

CSI, www.csichicago.com

Chapter Meeting and Program: "Codes, Fire Doors, and Architectural Hardware"; sponsored by Dorma Group North America

Tuesday, November 27; 5:00pm

Union League Club, 65 West Jackson, Chicago, IL

Members complimentary, Non members \$40

If there are any organizations you would like to hear from please contact me at jerry@luczak.com.

Jerry Fields, Corresponding Secretary



PLUMBING BASICS: RIDDLE ME THIS, WOODCHUCK

How much waste, would a waste pipe carry, if a waste pipe would carry waste?

The table below can be used for design of sewage and wastewater gravity conveying systems where capacities in GPM and the slopes of the pipe lines are known.

Carrying Capacity of Sewer Pipe (gallons per minute)								
Size of pipe (inches)	Decline per 100 ft pipe (feet)							
	1	2	3	6	9	12	24	36
3	13	19	23	32	40	46	64	79
4	27	38	47	66	81	93	131	163
6	75	105	129	183	224	258	364	450
8	153	211	265	375	460	527	750	923
9	205	290	355	503	617	712	1006	1240
10	267	378	463	655	803	926	1310	1613
12	422	596	730	1033	1273	1468	2076	2554
15	740	1021	1282	1818	2224	2464	3617	4467
18	1168	1651	2022	1860	3508	4045	5704	7047
24	2396	3387	4155	5874	7202	8303	11744	14466
27	4407	6211	7674	10883	13257	15344	21770	26622
30	5906	8352	10223	14298	17717	20204	28129	35513
36	9700	13769	16816	23760	29284	33722	47523	58406

The discharge rate is based on clean water and half-filled pipes.

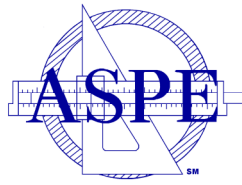
David DeBord, President

***We welcome your comments regarding the Plumbing Basics column and also welcome your OWN articles!! If there is something you think other Chicago Chapter members might find useful, please share that with us. Just contact Newsletter Editor Jason McDonald at jsm@grummanbutkus.com.*

SCHEDULE CHANGE

Please note that our annual **Booster Night** has been rescheduled to **Thursday December 13**. It will be at The Parthenon in Greek Town. We apologize for any inconvenience.

CHICAGO



CHAPTER

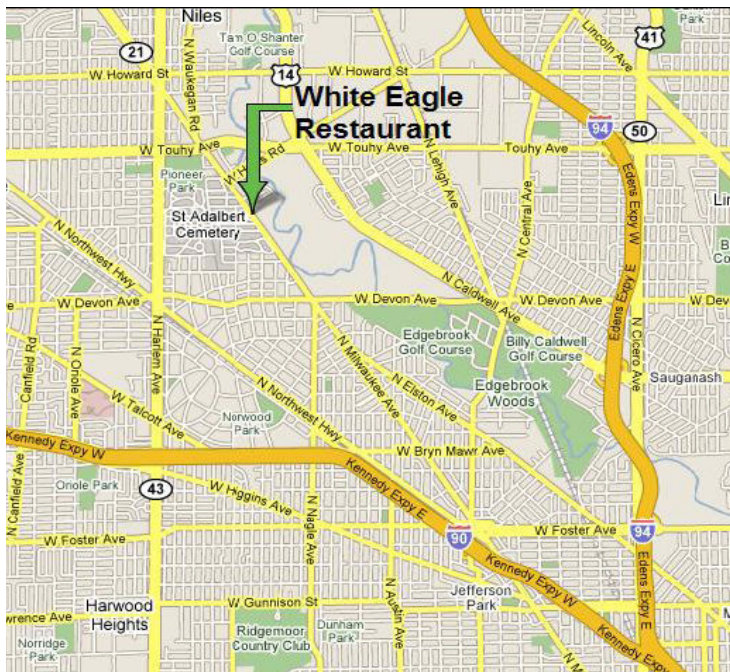
37th Annual ASPE Chicago Chapter Product Show

Thursday, April 17th, 2008

WHITE EAGLE RESTAURANT

6839 Milwaukee Avenue, Niles, Illinois

Phone: (847) 647.0660



Show Hours:

3:30 PM – 8:30 PM

Technical Seminars:

11:30 PM – 4:30 PM

FREE CEU's Offered

Including IL State CEU's

- Domestic Booster Pumps
- High-Efficiency Water Heater
- Thermostatic Mixing Valves
- Medical Gas Systems
- LEED for Plumbing Engineers
- And much more!

Buffet Dinner Available (Optional)

5:30 PM – 7:00 PM - \$25.00

ATTENTION!!

CPD'S, PE'S & AIA'S

GET YOUR FREE CEU'S

AT THE FINEST LOCAL SHOW IN THE INDUSTRY!


Over 90 Exhibits with more than 500 Products displayed!

Free Door Prizes and Giveaways!

Seminars and Product Show are FREE.

However, you must register at the show in order to get CEU's
For additional information, contact Frank Sanchez, CPD at (847) 328.3555 Ext. 251,
or e-mail to fxs@grummanbutkus.com

2007-2008 ASPE Chicago Chapter Meeting Schedule

DATE	PRIMER	TECHNICAL	LOCATION
September 20	Plumbing Pump Controllers; <i>Mike Vandenberg, Daugherty Sales</i>	Fire Pump Controllers; <i>Jim Moynihan, Chicago Technical Sales/ Firetrol</i>	<i>LaVilla 3638 N Pulaski Chicago</i>
October 18	Secondary Supports; <i>Deery-Pardue & Associates</i>	Chicago Plumbing Code; <i>Frank Bathauer, Chicago Chief Plumbing Inspector</i>	<i>The Parthenon 314 S Halsted Chicago</i>
November 15	Pipe Joining Methods for Mechanical Piping; <i>Jim Ness and Company</i>	Plumbing Design for Labs; <i>Mike Straughn, WaterSaver Faucet Co. and Mick Bradford, Russo Sales</i>	<i>LaVilla 3638 N Pulaski Chicago</i>
December 13	 Change of date!!!	Booster Night; <i>Special Entertainment</i>	<i>The Parthenon 314 S Halsted Chicago</i>
January 17	General Interceptors; <i>Luczak Sales/ Jay R. Smith</i>	Grease Separators; <i>Deery-Pardue/ Rockford Separators</i>	<i>Stonewood Ale House 601 Mall Drive Schaumburg</i>
February 21	Pipe Insulation; <i>Tom Ronan, Added Sales/ IMCOA</i>	PEX Design and Standards; <i>Harold Miller, Miller Sales/ Zurn</i>	TBD
March 20	LEED Calculations; <i>Sloan Valve</i>	Grey Water and Water Recycling; <i>Metropolitan Industries</i>	<i>LaVilla 3638 N Pulaski Chicago</i>
April 17	Technical Seminars	39th Annual ASPE Chicago Product Show	<i>White Eagle 6839 Milwaukee Ave Niles</i>
May 15	Elections	Cast Iron Pipe and Standards; <i>Alan Thomas, CISPI</i>	<i>The Parthenon 314 S Halsted Chicago</i>
June 20	Annual ASPE Chicago Golf Outing		<i>Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates</i>