



Chicago ASPENews



Chicago Regional Chapter of the American Society of Plumbing Engineers
Vol. 49, No. 4
November 2017



Chicago Chapter General Meeting Thursday November 16, 2017



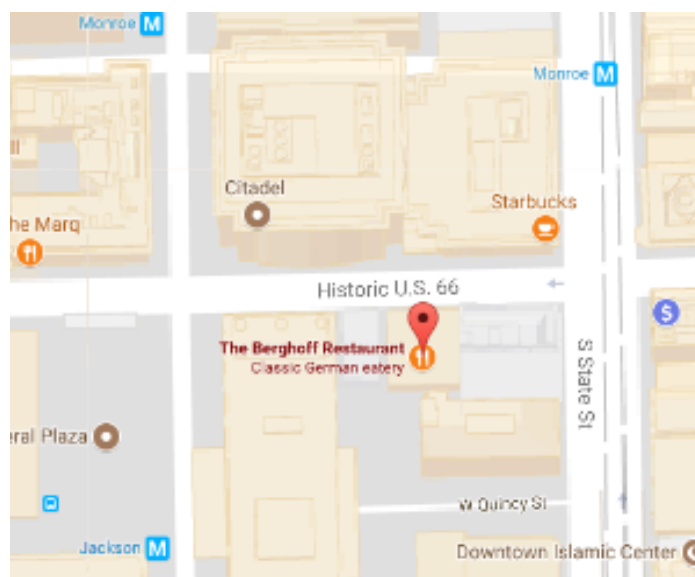
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AGENDA

- 5:30pm Cocktail Hour sponsored by: 
- 6:30pm Dinner, (\$35 for ASPE Members \$40 Non-Members). **RSVPs must be received by 6:00 PM on Monday, November 13** (RSVPs received after this time will be charged a \$5 late fee).
- 7:15pm **Manufacturer Spotlight:** Aerco Water Heater Sizing and Piping by Mark Kaulas & Chris Wisinski with Bornquist
- 7:30pm **Presentation:** *High Purity Water Treatment and Water Reclamation in Commercial Buildings* by Chris Soderholm of Water Control Corporation (0.1 CEUs Available!)

RSVP by 6:00 PM on Monday, November 13 to Chris Sbarbaro, VP
Technical to avoid being charged a \$5 late fee!!

- ◇ Call: 847-316-9220
- ◇ Email: Chicago.ASPE.RSVP@gmail.com
- ◇ Go to Chicago.aspe.org and RSVP!

MENU

Entrées:

- Herb Roasted Breast of Chicken

Dessert:

- Apple Strudel

Drinks:

- Soft Drinks, Coffee and Tea (Part of Cocktail Hour)

Local chapters are not authorized to speak for the Society



Chicago ASPENews



2017-2018 Preliminary ASPE Chicago Meeting Schedule

Date	Technical Presentation & Manufacturer Spotlight	CEU	Location
September 21, 2017	ASPE Chicago Product Show (See next page for a list of Technical Seminars)		Plumbers Local 130 Union Hall 1400 W. Washington Blvd. Chicago, IL 60607
October 19—22 2017	ASPE National Technical Symposium Montréal, Québec	Several Hours Avail.	Hotel Bonaventure Montréal 900 Rue de la Gauchetière O, Montréal, QC H5A 1E4, Canada
October 19, 2017	Presentation Topic: Heat Exchanger Sizing Speaker: Mark Kaulas of Bornquist Mfr Spotlight: TBD Speaker: TBD	0.1	La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
November 16, 2017	Presentation Topic: High Purity Water and Water Reclamation in Commercial Buildings Speaker: Chris Soderholm of Water Control Corporation Mfr Spotlight: Aerco Water Heater Sizing and Piping Speaker: Mark Kaulas & Chris Wisinski with Bornquist Inc.	0.1	The Berghoff [New Venue Location!] 17 W Adams St Chicago, IL 60603
December 14, 2017	Booster Night Holiday Party & Casino Night		La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
January 18, 2018	Presentation Topic: Digital Mixing Valves Speaker: Todd McCurdy of Powers Mfr Spotlight: TBD Speaker: TBD	0.1	Venuti's 2251 W. Lake Street Addison, IL
February 15, 2018	Presentation Topic: Siphonic Roof Drains Speaker: Jay Stenklyft of MiFab Mfr Spotlight: TBD Speaker: TBD	0.1	Westwood Tavern & Tap 1385 N. Meacham Rd Schaumburg, IL
March 15, 2018	Presentation Topic: TBD Speaker: TBD Mfr Spotlight: TBD Speaker: TBD	0.1	La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
April 19, 2018	Presentation Topic: Introduction to CPVC Piping Systems Speaker: John Pritchard with Lubrizol Mfr Spotlight: FlowGuard Gold & Corzan CPVC Piping Systems Speaker: John Pritchard with Lubrizol	0.1	Venuti's 2251 W. Lake Street Addison, IL
May 17, 2018	Presentation Topic: TBD Speaker: TBD Mfr Spotlight: TBD Speaker: TBD	0.1	Club Casa (at Golf Center) [New Venue Location!] 353 N. River Rd Des Plaines, IL
TBD	Annual Golf Outing		Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates

If you would like to present any of these topics or become a meeting sponsor, please contact Chris Sbarbaro at aspe.chicago.vptech@gmail.com.



PRESIDENT'S MESSAGE

November Greetings!

Thanks to all of you who were able to come out to our October Chapter meeting. Despite the Cubs game and folks flying out to Montreal (for the ASPE Tech Symposium), we had good attendance and a great presentation.

I was not able to attend this year's Technical Symposium, but I am glad that the Chicago Chapter had good representation at the event. It sounds like a good time was had by all...and the Chapter even won the ASPE Award of Merit (woo-hoo!). Past-President Mark Mannarelli accepted the award on the Chapter's behalf.

I've asked Chapter Board members and contest winners who attended to write up a short blurb on their experience at the Symposium. Depending on the timing, some of those articles may appear in this newsletter and others in next month's.

The next big thing is the ASPE Convention next year in Atlanta...so stay tuned for more information on that.

Our November meeting will be held at a new location – the Berghoff. As some of you recall, we have had some noise issues at our previous Downtown Chicago location, so we are trying out a different restaurant. For those of you who can make it to the meeting, please let us know what you think of the new venue.



On the Chapter level, our next big event is our Annual Booster Night. This year's event will be a Casino Night, with plenty of gaming tables, delicious food, and holiday festiveness and cheer. Please plan to come out and show your support for the local plumbing manufacturer's representatives who have been a big supporter of the Chapter for many years. If you are a manufacturers rep and are interested in becoming a sponsor or are interested in volunteering, please contact Darren Rich at aspe.chicago.vpaff@gmail.com or by phone at 847-875-8659.

Some upcoming educational opportunities from ASPE Society...

For even more help with the CPD Exam, attend our CPD Review Class

ASPE is hosting a 1.5-day class on November 30 and December 1 at our headquarters near Chicago's O'Hare Airport for those who are planning on taking the [2018 Certified in Plumbing Design exam](#) on April 5 and 6. Registration for the class is open at aspe.org/cpdreviewclass.

2018 Workshop Series kicks off on January 25-26

ASPE is hosting a Basic Plumbing Design workshop at our headquarters near Chicago's O'Hare Airport to teach the fundamentals of designing storm drainage, natural gas, domestic cold and hot water, and sanitary sewer systems, as well as properly coordinating these utilities with architects and structural engineers. You will earn 1.2 CEUs or 12 PDHs for attending, and registration is now open at aspe.org/BasicsWorkshop.

Continued on next page...

CHAPTER OFFICERS

PRESIDENT

April Ricketts, PE, CPD, LEED AP
CDM Smith
312.346.5000
aspe.chicago.president@gmail.com

VICE PRESIDENT TECHNICAL

Chris Sbarbaro, PE, CPD, GPD, LEED AP
Grumman/Butkus
847.316.9220
aspe.chicago.vptech@gmail.com

VICE PRESIDENT LEGISLATIVE

Scott Jagodzinski, CPD, GPD
Cannon Design
312.960.8396
aspe.chicago.vpl@gmail.com

VICE PRESIDENT MEMBERSHIP

Chris Wisinski
Bomquist Inc.
773.774.2800
aspe.chicago.vpm@gmail.com

VICE PRESIDENT AFFILIATE

Darren Rich
FTI Sales
847.875.8659
aspe.chicago.vpaff@gmail.com

TREASURER

Emily Koussa, LEED AP BD+C
SmithgroupJJR
aspe.chicago.treasurer@gmail.com

ADMINISTRATIVE SECRETARY

David J. Erickson Sr.
Viega LLC
312.519.5629
aspe.chicago.admsec@gmail.com

CORRESPONDING SECRETARY

Brennan Doherty
MIFAB
312.241.5224
aspe.chicago.cspsec@gmail.com

PRODUCT SHOW CHAIRMAN

Justin Wroblewski
Wight & Company
aspe.chicago.pschairman@gmail.com

ASPE CHICAGO JOBS PROGRAM COORDINATOR

aspe.chicago.careers@gmail.com

GOLF OUTING CHAIRMAN

Steve Triphahn
W-T Engineering, Inc.
224.293.6301
steve.triphahn@wtengineering.com

HISTORIAN

Rick Butler
Lochinvar
224.238.8515
rbutler@lochinvar.com

NEWSLETTER EDITOR, WEBMASTER

Jeff Gallagher, P.E.
Viega, LLC
224.407.1813
aspe.chicago.nle@gmail.com

AYP LIAISON

Justin Wroblewski
Wight & Company
aspe.chicago.ayp@gmail.com

WOA LIAISON

Natalia Dankanich
Grumman Butkus
ndankanich@grummanbutkus.com

WEBSITE

<http://chicago.aspe.org/>

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PRESIDENT'S MESSAGE CONTINUED...

On a technical side...

Some of you might have already come across this, but for those of you who have not, the IDPH had issued a memo in 2016 addressing dead legs in piping systems and the relation to Legionella. The big way it is impacting some of you is in its stance on dedicated fire suppression water service lines. A copy of it is included with this newsletter.

Lastly, don't forget to bring your toys for our "Toys for Tots" collection at our November and December meetings.

Have a wonderful Thanksgiving! Until Next Time...

April Ricketts, PE, CPD, LEED AP BD+C

Chicago Chapter President

aspe.chicago.president@gmail.com

312-346-5000

Click on image below for a link to the full memo...



Bruce Rauner, Governor
Nirav D. Shah, M.D., J.D., Director

MEMORANDUM

TO: W. David McMillan, P.G.
Manager, Division of Public Water Supplies
Bureau of Water
Illinois EPA

CC: Listed Below

FROM: Justin DeWitt, P.E., LEED AP
Chief of General Engineering

DATE: November 21, 2016

SUBJECT: Water Services Attached to Public Water Supplies

I. INTRODUCTION

This memorandum details requirements relating to the connection of public water supplies to water services which provide potable water in accordance with 77 IL Admin Code 890.170 a). In accordance with the Plumbing Licensing Law (225 ILCS 320/2) "Plumbing" includes all piping, fixtures, appurtenances and appliances for a supply of water for all purposes, including without limitation lawn sprinkler systems and backflow prevention devices connected to lawn sprinkler systems, from the source of a private water supply on the premises or from the main in the street, alley or at the curb to, within and about any building or buildings where a person or persons live, work or assemble (emphasis added.) To the extent that the Illinois Environmental Protection Agency (IEPA) regulates and regularly communicates with operators of public water supplies, this memorandum serves to inform IEPA and its permittees of the enforcement of certain plumbing construction requirements that impact connections to water mains.

II. RISK MANAGEMENT PRINCIPLES

High-risk areas for *Legionella* and other opportunistic water-borne pathogen's growth, include anywhere that water can remain stagnant. While *Legionella* are commonly known to exist in building process systems such as cooling towers, empirical evidence and science are pointing more frequently to potable water systems as likely sources of this and other water-borne pathogens. (WHO) Within its purview, IDPH is revisiting the Illinois Plumbing Code ("Code" or "890") with an eye toward reducing risks to public health associated with water-borne pathogens. Best practices such as those found in the ASHRAE 188-2015 Standard and others are

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Manufacturer Spotlight



***This month we would
like to thank:***



Thank you for your support!



VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING

Greetings,

2017-2018 Technical Presentations

We still have the months of March and May open for Technical Presentations if you have a topic you would like to offer.

2017-2018 Manufacturer's Spotlight Presentations

Manufacturer's spotlight presentations are still available for January through March, as well as May if you are interested. These presentations provide you a chance to showcase your latest and greatest product(s).

Thanks to Mark Kaulas of Bornquist for sponsoring Cocktail Hour and presenting at the October Meeting!

The November Chapter meeting's Manufacturer's Spotlight with Aerco, specifically talking about Water Heater Sizing and Piping with Mark Kaulas & Chris Wisinski with Bornquist.

November Tech Presentation Info:

Title of presentation: *High Purity water treatment and water reclamation in commercial buildings.*

Description of content: High purity water treatment systems are increasing in demand in commercial building applications. This presentation will discuss the various types of high purity water, methods of treatment, and design objectives in commercial buildings. There will also be a discussion of the unique requirements of water treatment in water reclamation systems like rainwater harvesting.

Bio: Chris Soderholm is the president of Water Control Corporation. For over 30 years, he has been helping design engineers and mechanical contractors apply water treatment solutions to building applications. Water Control Corporation, established in 1975, is located in Minneapolis, MN, and is employee owned.

*****NEW ASPE MEMBERS ONLY BENEFIT*****

Sad you missed out on the technical information at last month's Chicago ASPE Chapter Meeting?! Fret not! **The Chicago Chapter is happy to announce that we are now recording the technical presentations for future reference!** These presentations are being stored on Vimeo.com and access to them will be free for all current members. This is a great way to obtain the knowledge you might have missed out on, or to revisit a topic we recently covered that may be applicable to a new project! Please note, watching the video online will not make you eligible for a CEU/PDH, (you must attend the Chapter meeting for credit). **If you are interested in obtaining access to the October presentation please email me and I will provide you a password.** If you would like to see a sample of the video from the October meeting check it out here: <https://vimeo.com/240595798>

*****NEW RSVP DEADLINE*****

In an effort to keep dinner costs down, **the Chicago Chapter will begin enforcing a RSVP deadline for chapter meetings. The deadline for RSVP's will be 6:00 PM on Monday, the week of the meeting.** The price for members/non-members who RSVP on time will be \$35/\$40, respectively, as it currently is now. **For those who RSVP after the deadline, a \$5 late fee will be applied to the above cost.** I thank you in advance for helping us keep costs down and RSVP-ing prior to the deadline.

Thank You,

Chris Sbarbaro, PE, GPD, CPD, LEED AP BD+C

Chicago Chapter Vice President, Technical

aspe.chicago.vptech@gmail.com

Feeling Lucky??

Join us for the Chicago ASPE

**BOOSTER NIGHT
HOLIDAY PARTY &**



Thursday, December 14th | 5:30 to 9:00 p.m.

La Villa Restaurant

*3632 N Pulaski Rd
Chicago, IL*

The 2017 Chicago ASPE Booster & Casino Night is just around the corner. Don't miss out on the fun with gambling for amazing prizes at the Black Jack, Craps, Roulette tables and more!

Stay tuned for more information!!

Attention Affiliates: Sponsorship Opportunities are still available!
Please contact Darren Rich for more information: P# 847.875.8659

aspe.chicago.vpaff@gmail.com

2017 ASPE TECH SYMPOSIUM



The 2017 Technical symposium was a success for the society with it being the second largest attended symposium in ASPE history. There were some old faces and many young new faces. It appears that ASPE may be moving in the right direction by concentrating on young engineers by promoting excellent technical classes to spark interest.

We received two awards the first being the award of merit and the second for donations to the research foundation which will now be incorporated into education and development.



The classes I attended had great instructors who were well versed in the subjects they spoke on. However, I was a little disappointed on the all-day class that was to be mainly about commercial kitchen design. Several other attendees in the class had the same feeling as I had. The class touched on a few things like gas piping and hot water but was limited and didn't go in depth about the functionality of those systems pertaining to kitchen design. The instructors' knowledge of the material he spoke about was excellent and had numerous questions regarding the material provided.

If you have never been to Montreal it is a great city to visit (only a 2-hour plane ride). Make sure to brush up on your French (oui, Merci, Bonne journée) because there is definitely a language barrier with a large population of the residents. The city is very clean which I was surprised with how big the size of the city is.

Saturday night was our Chicago ASPE dinner with all attendees. Thanks again to Isaac for choosing the wine! That was the best damn Italian wine I ever had!! It was a great time to spend with my friends and fellow engineers. See everyone at the next monthly meeting!

Regards,

Mark Mannarelli

Continued on next page...

2017 ASPE TECH SYMPOSIUM, CONTINUED...



Thank you to the ASPE Chicago Chapter for the opportunity to attend the symposium in Montreal. I think it's great that our chapter provides opportunities to send engineers on an educational trip they may have otherwise not attended. These types of opportunities are not available without the great support we receive from our affiliates so thank you again for all your support!

This was my first ASPE Tech Symposium, and I wasn't sure what to expect. It was a great opportunity to meet other engineers from all over North America and get to know members of our Chicago Chapter better. Over the years that there is a lot you can learn by discussing your own experiences with other engineers and this trip was great for those types of discussions. This was the first year a small product show was included as part of the symposium, which was a great opportunity to learn about some products that I had not seen locally yet. I participated in a focus group regarding the upcoming 2018 ASPE Convention in Atlanta where many ideas were shared on what could be done to improve the convention. There were so many technical sessions seminars offered, I had a hard time choosing which ones to attend. I think the highlight and smelliest of the sessions was the tour of the Jean R. Marcotte Wastewater Treatment Plant, the 3rd largest facility in the world. This facility treats 50% of the wastewater generated by the Province of Quebec, and does it all without the use of lift stations to get the wastewater to the plant. We learned about every single stage of their treatment process, which ultimately ends up in sludge incinerators. The energy collected from the incinerators is used to heat the buildings on the property and to assist with their hot water demands. Looking down into a large 140 foot deep hole to see the wastewater entering the plant will take your breath away in more ways than one. Can you say "Pepe Le Pew"?

I never imagined the weather would be better there than in Chicago in mid-October, but it was, making it a great time to explore this beautiful and hockey rich city when time was available. If you're ever in Montreal, be sure to search out one of their local and not so healthy delicacies, poutine. It was magnifique!

Merci!

Chris Rohan, CPD

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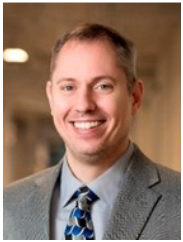
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VICE PRESIDENT, LEGISLATIVE

CODE CORRIDOR

From the pen of Scott Jagodzinski, VP Legislative

As we approach the New Year there are some exciting things coming down the pike. 2018 is the start of the latest ICC code cycle. The new codes are coming out. And I know each and every one of you is super excited to know just what changes await us in the new books. We look no further for I have all the latest changes and modifications that are happening. I will be unveiling the updates in a couple parts as there just is too much for one newsletter. Without any ado let's get started.

Part 1:

Additions:

Section 303.5 Cast iron soil pipe, fittings and components

Cast iron soil pipes and fittings, and the couplings used to join these products together, shall be third party listed and labeled. Third party certifiers or inspectors shall comply with the minimum inspection requirements of Annex A or Annex A1 of the ASTM and CISPI product standards indicated in the code for such products.

Section 305.10 Thermal expansion tanks

A thermal expansion tank shall be supported in accordance with the manufacturer's instructions. Thermal expansion tanks shall not be supported by the piping that connects to such tanks.

Table 4031. MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

Assembly areas used for gaming (gambling) now have specific ratios for plumbing fixture requirements See below.

MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES*								
CLASSIFICATION	DESCRIPTION	WATER CLOSETS		LAVATORIES		BATHTUBS/ SHOWERS	DRINKING FOUNTAIN	OTHER
		MALE	FEMALE	MALE	FEMALE			
Assembly	<u>Gaming areas</u>	<u>1 per 100 for the first 400 and 1 per 250 for the remainder exceeding 400</u>	<u>1 per 50 for the first 400 and 1 per 150 for the remainder exceeding 400</u>	<u>1 per 250 for the first 750 and 1 per 500 for the remainder exceeding 750</u>	=	<u>1 per 1,000</u>	<u>1 service sink</u>	

Table 4031. MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES

f. The required number and type of plumbing fixtures for outdoor public swimming pools shall be in accordance with Section 609 of the International Swimming Pool and Spa Code.

Section 403.1.3 Lavatory distribution

Where two or more toilet rooms are provided for each sex, the required number of lavatories shall be distributed proportionately to the required number of water closets.

Section 405.5 Plumbing fixtures with pumped waste arrangement

Plumbing fixtures with pumped waste shall comply with ASME A112.3.4/CSA B45.9. The plumbing fixture with a pumped waste shall be installed in accordance with the manufacturer's instructions

Section 411.3 Water supply

Where hot and cold water is supplied to an emergency shower or eyewash station, the temperature of the water supply shall only be controlled by a temperature actuated mixing valve complying with ASSE 1071.

Continued on next page...

VICE PRESIDENT, LEGISLATIVE CONTINUED...

Section 412.7 (Formally 424.7) Temperature actuated, flow reduction valves devices for individual fixtures.

Temperature-actuated, flow reduction devices, where installed for individual fixture fittings, shall conform to ASSE 1062. A temperature-actuated, flow reduction device shall be an approved method for limiting the water temperature to not greater than 120° F (49° C) at the outlet of a faucet or fixture fitting. Such valves devices shall not be used alone as a substitute for the balanced-pressure, thermostatic or combination shower valves required in Section 424.3 412.3 or as a substitute for bathtub or whirlpool tub water-temperature limiting valves required in Section 412.5.

Section 608.4 Potable water handling and treatment equipment

Water pumps, filters, softeners, tanks and other appliances and devices that handle or treat potable water to be supplied to the potable water distribution system shall be located to prevent contamination from entering the appliances and devices. Overflow, relief valve and waste discharge pipes from such appliances and devices shall terminate through an air gap.

Section 608.11 Painting of Potable Water Tanks

Where in contact with potable water intended for drinking water, water tanks, coatings for the inside of tanks and liners for water tanks shall conform to NSF 61. The interior surface of a potable water tank shall not be lined, painted or repaired with any material that changes the taste, odor, color or potability of the water supply when the tank is placed in, or returned to, service.

Section 608.16.1.2 Coffee machined and noncarbonated drink dispensers

Coffee machines and noncarbonated drink dispensers. The water supply connection to each coffee machine and each noncarbonated beverage dispenser shall be protected against backflow by a backflow preventer conforming to ASSE 1022 or ASSE 1024, or protected by an air gap.

Section 608.16.10 Humidifiers

The water supply connection to humidifiers that do not have an internal backflow protection shall be protected against backflow by a backflow preventer conforming to ASSE 1012 or by an air gap.

Table 702.3 Building sewer pipe

TABLE 702.3 BUILDING SEWER PIPE

MATERIAL	STANDARD
<u>Polypropylene (PP) Plastic Pipe</u>	<u>ASTM F2736; ASTM F2764; CSA B182.13</u>

Section 802.4.3.1 Connection of laundry tray to standpipe

As an alternative for a laundry tray fixture connecting directly to a drainage system, a laundry tray waste line without a fixture trap shall connect to a standpipe for an automatic clothes washer drain. The standpipe shall extend not less than 30 inches (732 mm) above the weir of the standpipe trap and shall extend above the flood level rim of the laundry tray. The outlet of the laundry tray shall not be greater than 30 inches (762 mm) horizontal distance from the side of the standpipe.

Section 1003.3.2 Additives to grease interceptors

Dispensing systems that dispense interceptor performance additives to grease interceptors shall not be installed except where such systems dispense microbes for the enhancement of aerobic bioremediation of grease and other organic material, or for inhibiting growth of pathogenic organisms by anaerobic methods. Such microbial dispensing systems shall be installed only where the grease interceptor manufacturer's instructions allow such systems and the systems conform to ASME A112.14.6. Systems that discharge emulsifiers, chemicals or enzymes to grease interceptors shall be prohibited.

Section 1301.1.1 Fire Protection Systems

The storage, treatment and distribution of nonpotable water to be used for fire protection systems shall be in accordance with the International Fire Code.

Section 1303.15.9 Collected Raw Rainwater Quality

ASTM E2727 shall be used to determine what, if any, site conditions impact the quality of collected raw rainwater and whether those site conditions require treatment of the raw water for the intended end use or make the water unsuitable for specific end uses.

Continued on next page...

VICE PRESIDENT, LEGISLATIVE CONTINUED...

Clarifications:

Section 305.1 Protection against contact

Metallic piping, except for cast iron, ductile iron and galvanized steel, shall not be placed in direct contact with steel framing members, concrete or cinder walls and floors or other masonry. Metallic piping shall not be placed in direct contact with corrosive soil. Where sheathing is used to prevent direct contact, the sheathing shall be thickness of not less than 0.008 inch (8 mil) (0.203 mm) and the sheathing shall be made of plastic. Where sheathing protects piping that penetrates concrete or masonry walls or floors, the sheathing shall be installed in a manner that allows movement of the piping within the sheathing.

Section 305.6 Sway Bracing

Where horizontal pipes 4 inches (102 mm) and larger convey drainage or waste, and where a pipe fitting in that piping changes the flow direction greater than 45 degrees (0.79 rad), rigid bracing or other rigid support arrangements shall be installed to resist movement of the upstream pipe in the direction of pipe flow. A change of flow direction into a vertical pipe shall not require the upstream pipe to be braced.

Section 403.3 Employee and public toilet facilities

Customers For structures and tenant spaces intended for public utilization, customers, patrons and visitors shall be provided with public toilet facilities in. Employees associated with structures and tenant spaces intended for public utilization shall be provided with toilet facilities.

The number of plumbing fixtures located within the required toilet facilities shall be provided in accordance with Section 403 for all users. Employees shall be provided with toilet facilities in all occupancies. Employee toilet facilities shall be either separate or combined employee and public toilet facilities.

Section 405.3.1 Water closets, urinals, lavatories and bidets

A water closet, urinal, lavatory or bidet shall not be set closer than 15 inches (381 mm) from its center to any side wall, partition, vanity or other obstruction. Where partitions or other obstructions do not separate adjacent fixtures, or fixtures shall not be set closer than 30 inches (762 mm) center to center between adjacent fixtures. There shall be not less than a 21-inch (533 mm) clearance in front of the a water closet, urinal, lavatory or bidet to any wall, fixture or door. Water closet compartments shall be not less than 30 inches (762 mm) in width and not less than 60 inches (1524 mm) in depth for floor mounted water closets and not less than 30 inches (762 mm) in width and 56 inches (1422 mm) in depth for wall-hung water closets.

Exception: An accessible children's water closet shall be set not closer than 12 inches from its center to the required partition or to the wall on one side.

Section 405.3.5 Urinal partitions

Each urinal utilized by the public or employees shall occupy a separate area with walls or partitions to provide privacy. The width between walls or partitions at each urinal shall be not less than 30 inches (762 mm). The walls or partitions shall begin at a height not greater than 12 inches (305 mm) from and extend not less than 60 inches (1524 mm) above the finished floor surface. The walls or partitions shall extend from the wall surface at each side of the urinal not less than 18 inches (457 mm) or to a point not less than 6 inches (152 mm) beyond the outermost front lip of the urinal measured from the finished backwall surface, whichever is greater

Section 605.13.7, 605.14.4 & 605.16.3 Push-fit joints

Push-fit joints shall conform to ASSE 1061 and shall be installed in accordance with the manufacturer's instructions.

Section 709.3 Conversion of gpm flow to dfu values

Where discharges to a waste receptor or to a drainage system are only known in gallons per minute (liters per second) values, the drainage fixture unit values for continuous and semicontinuous flow into a drainage system those flows shall be computed on the basis that 1 gpm (0.06 L/s) of flow is equivalent to two drainage fixture units.

Deletions:

Section 422 Health Care Fixtures and Equipment

Section 422 concerning Health Care Fixtures and Equipment is deleted.

Section 701.8 Drainage piping in food service areas

The installation of drainage piping above "food areas" is no longer prohibited.

Section 713 Health Care Plumbing

Section 713 covering sanitary drainage systems in health care facilities is deleted in its entirety.

Section 1302.7.2 Design and Construction

The consensus standards covering storage tanks for gray water are removed from the code.

Continued on next page...

VICE PRESIDENT, LEGISLATIVE CONTINUED...

Stay tuned for Part 2 Modifications next month.

But if you want to see all of the changes sooner including changes between 2015 and 2018 IBC, IMC & IFGC click links below.

<https://cdn-web.iccsafe.org/wp-content/uploads/2018-IBC-UPDATE-Handout-9-1-17.pdf>

<https://www.iccsafe.org/wp-content/uploads/2018-Plumbing-Mechanical-Fuel-Gas-Update.pdf>

Please reach out to me if you have any code questions, code updates, or you are looking for any interpretations and I will try and include pertinent information in future newsletters. We here at ASPE are here to provide our chapter members our services if we can.

Thank You,

Scott Jagodzinski, CPD, GPD

Chicago Chapter Vice President, Legislative

aspe.chicago.vpl@gmail.com



VICE PRESIDENT, MEMBERSHIP

Greetings Members,

We are one month into the ASPE Season and starting quickly. Many members attended the Symposium in Montreal. Please feel free to share your stories and encourage members to attend these events. They are valuable for your education as well as networking. Most of all, you can get a glimpse into seeing the direction ASPE has for the future and why we all work so hard to promote ASPE.

ASPE is contributing to the future of the plumbing industry, through education and research as the main overall objectives.

One of the biggest goals for ASPE is gaining and sustaining memberships to promote the future. If you'd like to participate in a mentoring program to help new members get involved and stay involved please feel free to ask me.

I'm working on cleaning up our membership lists. We have a fair amount of old contact information with out of date emails and companies. Please feel free to ask myself or anyone on the board if you want to make sure your details are up to date. Or check out your membership information at <https://aspe.org/user>.

I'd like to thank Jim McGoon for joining as a new member. We greatly value your support and look forward to helping with your career.

ASPE would like to recognize the passing away of former Chicago ASPE Chapter member Ingy Wismar Burwick.

Ingy was a member of the Chicago Chapter for around 20 years. She moved to Sweden to be with her family and married her husband Frank Burwick. Her obituary was listed in the Chicago Tribune and could be found online at the following web-link: <http://www.legacy.com/obituaries/chicagotribune/obituary.aspx?pid=187003625>

Thank you,

Chris Wisinski

Chicago Chapter Vice President, Membership

ASPE.Chicago.VPM@gmail.com



ADMINISTRATIVE SECRETARY

Greetings Members,

It looks as though we are headed into another winter season rather quickly. I apologize for not being able to attend the October meeting but look forward to seeing you all at the November meeting on Thursday Nov. 16th at a new venue: The Berghoff at 17 W. Adams Street Chicago.

Thank you and have a great Day!

David Erickson

Chicago Chapter Administrative Secretary

C# 312-519-5629 aspe.chicago.admsec@gmail.com



VICE PRESIDENT, AFFILIATE

Hello Affiliates & all ASPE Members!

It's November and that mean's the holidays are sneaking up on us as is Booster Night!

Booster Night is Thursday December 14th and like last year will be Casino Night, and we are aiming to make this Casino night better than the last and can't do this with the help of our Manufacturers and Affiliates.

You all should have received an email from me with info on the different sponsorship levels available for Booster / Casino Night. They are filling up really fast, so if you are interested in a Game or Bar sponsorship, please reach out to me ASAP. There currently is only 1 Game Sponsorship left! If you don't get a Bar or Game Sponsorship, you can always do the General Sponsorship, those are unlimited!

Please contact me ASAP about what level you will be sponsoring this event! I do have last years list of sponsors, so if you don't reach out to me, I will be reaching out to you soon.

Also, there was a separate email sent out regarding advertising in our monthly newsletter. This is a great way to have some very focused ad space targeting the engineering community here in Chicago that is so important to our success. I have had a lot of requests for placing ads but not a lot of follow through, please send your requests to me and I will firm up what is available, then it is as simple as getting me your ad! Pricing has been sent out in the above-mentioned email, but I would be happy to answer any questions regarding advertising in the Newsletter, all you have to do is reach out to me at any time!

Don't forget to encourage new memberships when you do Lunch and Learns at engineering firms. Let's continue to Grow what is already the Greatest ASPE Chapter in the Country!!

Please do not hesitate to reach out to me with any thoughts and ideas you would like to see brought up in front of the ASPE Board.

Your feedback and input is always welcome!

Thanks!

Darren Rich

Chicago Chapter Vice President, Affiliate

P# 847.875.8659 aspe.chicago.vpaff@gmail.com

ORDER YOUR ASPE CHICAGO BADGE!

Are you tired of being the only one at the meeting without a fancy ASPE Chicago name badge? Do you want to update your badge so it has your new name or company?

The Chicago Chapter is proud to offer once again our badge promotion!



Costs:

Badges: \$15
Shipping (optional): \$5

Make checks payable to "ASPE Chicago Chapter" and either drop off your check at one of the Chapter Meetings or mail it to:

ASPE Chicago Chapter
c/o Mark Mannarelli/Syska Hennessy Group
330 N. Wabash Ave, Ste. 1505
Chicago, IL 60611

Name and Company will be printed on the badge as listed below - if you leave blanks or list other names, they WILL be printed on the badge. If you would like your badge mailed to you, please include this information. You can mail or email this form. Badge order will not be processed until payment is received. Send emails to mannarelligm@gmail.com

Please indicate your preferences:

Name: _____

Company: _____

Fastener style (please circle one):

- Clip
- Magnet

This promotion is for ASPE Chicago members only!



AYP LIAISON / PRODUCT SHOW CHAIRMAN

Greetings ASPE members,

The ASPE Technical Symposium was spectacular! Jokes were had, friendships were made, and networking with another chapter is always beneficial. There were a lot of great seminars this year that were very educational to me as an engineer in training which cause some great discussion between ASPE members and AYP members. The two sessions that I learned the most from was the Basic Fire Protection design and Sizing of Fire Pumps. To those of us that must wear two hats at times in the office, learning more about fire protection is always a plus. There were plenty of other sessions that were beneficial as well; Designing Pex Piping systems, Chemical Free Water Conditioning, and Reclaimed Water Systems that I attended that I learned something new in, and there were many other classes to choose from. These were just the ones that came to mind first.

To those AYP members that have not been to a convention or technical symposium I would highly recommend attending the Atlanta Convention. I connected with the other AYP members for the first time in Phoenix and it was great to see all the same faces again. The AYP knows how to have a great time. This year our AYP event was at Rage Montreal, which is axe throwing, and let me tell you that was a BLAST! We had a tournament with the 30 plus AYP member and I made it all the way to the finals, but sadly lost. I am considering having an AYP event in the future at Bad Axe Throwing in Chicago, but I would first like to get some opinions of other AYP members. Also, it is very exciting to learn how other chapters operate and how they gather support with their members. Although Chicago is a larger chapter we may be able to learn a thing or two from the smaller chapters.

I look forward to seeing everyone at the November Meeting!

Justin Wroblewski, CPDT

Chicago Chapter AYP Liaison / Product Show Chairman

aspe.chicago.ayp@gmail.com / aspe.chicago.pschairman@gmail.com

WOA LIAISON

Welcome to fall, as we begin another year of ASPE activities. After such great weather in Chicago it's hard to believe that summer is gone and every day will get shorter and colder.

From October 19th through the 22nd ASPE held its first Technical Symposium located outside the United States in Montreal, Quebec. The Symposium consisted of three days of technical learning workshops, a two day product show and an award ceremony to recognize the hard work and accomplishments of our members. As is typical for events like it, it was a good place to meet with colleagues from the entire industry, see exciting new products, and be able to share experience and expertise on plumbing topics. I am sure some of our members will have their own stories to share about Symposium experience.

I had a great opportunity to be in a committee of ladies representing the Women of ASPE. We had our own booth at the show featuring a WOA promo video, info about the group, its agenda and future plans. It was good to see some new faces as well. I am proud to announce the very first recipient of our new WOA scholarship, student Kari Lynn Rosteck, a member of the Eastern Michigan Chapter. It was her first Symposium ever and she was very excited to be there. Our Mentee-Mentor program has also been a great success.

A big thank you goes to ASPE - Chicago Chapter for a great opportunity to attend this event and for the privilege to be part of the WOA committee. They are an amazing group of women who share the same goals for support and leadership amongst women in our industry.

I would also like to thank my employer, Grumman/Butkus Associates, for their support of our industry and the American Society of Plumbing Engineers.

Best regards,

Natalia Dankanich

Chicago Chapter/Region 5 WOA Liaison





CORRESPONDING SECRETARY: INDUSTRY NEWS

I hope everyone had a great Halloween and managed to hand out more candy than you ate! Please see the list below containing a number of events around the community that pertain to our industry. If anyone attends these events please feel free to shoot a quick email letting me know the pros (or cons) so that I can share with the rest of our ASPE group. I wish everyone a great month, and look forward to seeing everyone at our Christmas Casino Night next month.

Please see the following events below:

American Society of Sanitary Engineering (ASSE)

(http://www.asse-plumbing.org/chapters/region04_il.html)

ASSE Monthly Chicago Meeting

Date: Nov 14th

Time: 10:30AM – 2:00PM

Location: Cucina Biagio: 7309 W. Lawrence Ave, Hardwood Heights, IL

Details: (<http://chicago.asse.org/events/greater-chicago-chapter-september-meeting-and-tour/>)

ASSE Annual Meeting

Date: Nov 7th – Nov 10th

Location: San Antonio, TX

Details: (<http://www.assemeeting.org/register/>)

Times: 5:00PM – 9:00PM

Location: Volo Local 130: 31855 North US Highway 12, Volo, IL

Details: (<https://www.calendarwiz.com/calendars/popup.php?op=view&id=114330494&crd=pic>)

Continuing Education Class

Dates: Nov 15th

Times: 5:00PM – 9:00PM

Location: Chicago Local 130: 1340 W Washington Blvd, Chicago, IL

Details: (<https://www.calendarwiz.com/calendars/popup.php?op=view&id=114330534&crd=pic>)

Illinois Chapter of ASHRAE

(<http://www.illinoisashrae.org/>)

ASHRAE Monthly Meeting

Date: Nov 14th

Time: 5:30PM – 8:30PM

Location: Bucca Di Beppo: 90 Yorktown Mall Drive, Lombard, IL

Cost: \$60

Details: (<http://illinoisashrae.org/meetinginfo.php?id=146&ts=1508965161>)

ASHRAE Annual Winter Conference

Date: Jan 20th – Jan 24th

Location: Palmer House Hilton: 17 E Monroe St, Chicago, IL 60603

Details: (<https://www.ashrae.org/membership--conferences/conferences/2018-ashrae-winter-conference>)

Continuing Education Class

Dates: Nov 15th

Times: 5:00PM – 9:00PM

Location: Joliet Local 130: 2114 S. I-80 Frontage Rd, Joliet, IL

Details: (<https://www.calendarwiz.com/calendars/popup.php?op=view&id=114330534&crd=pic>)

Continuing Education Class

Dates: Nov 30th

Times: 4:00PM – 8:00PM

Location: Rolling Meadows Holiday Inn: 3405 W Algonquin Rd, Rolling Meadows, IL

Details: (<https://www.calendarwiz.com/calendars/popup.php?op=view&id=114526822&crd=pic>)

PCA (Plumbing Contractors Association of Chicago and Cook County)

(<https://plumbingcouncil.org/pca>)

PCA Monthly Meeting

Date: Nov 9th

Time: 6:00PM – 8:30PM

Location: Erie Café: 536 W Erie St, Chicago, IL

Cost: \$50

Details: (https://plumbingcouncil.org/images/Plumbing_Council/Docs/Documents/2017_Documents/Nov_2017_Mtg_Flyer.pdf)

Continuing Education Class

Dates: Nov 7th

Illinois Association of Plumbing-Heating-Cooling Contractors (ILPHCC)

(www.ilphcc.com)

ILPHCC Monthly Meeting

Dates: Nov 11th

Times: 8:30AM

Location: Doubletree by Hilton Collinsville: 1000 Eastport Plaza Dr., Collinsville, IL

Details: (<http://www.ilphcc.com/events>)

Continued on next page...

CORRESPONDING SECRETARY: INDUSTRY NEWS CONTINUED...

National Fire Protection Association (NFPA)

(www.nfpa.org)

CLASSROOM AND HANDS-ON TRAINING		ELECTRICAL			FIRE PROTECTION			
DATE	LOCATION	NFPA 70*	NFPA 70E*	NFPA 72*	NFPA 13	NFPA 25	CFPS*	CFI-I
Nov. 6-10 2017	Seattle, WA Doubletree Suites by Hilton, Seattle Airport Southcenter	Nov 6-8	Nov 9-10	Nov 6-8	Nov 6-8	Nov 9		
Nov. 6-10, Nov. 27-Dec. 4, 2017	Quincy, MA NFPA Headquarters	Nov 6-8	Nov 9-10					
Nov. 13-17, 2017	Durham, NC Doubletree Suites by Hilton Raleigh-Durham	Nov 13-15	Nov 16-17					

USGBC - Illinois Chapter (LEED)

(<http://www.usgbc-illinois.org/events/event-calendar/>)

Annual Meeting

Date: Nov 2nd

Time: 5:00PM – 8:00PM

Location: Chicago TBD

Details: (<https://www.usgbc-illinois.org/events/event-calendar/>)

Society of Fire Protection Engineers (SFPE)

(<http://www.chicagosfpe.org/>)

SFPE Holiday Meeting

Date: Dec 4th

Time: 11:30AM – 2:30PM

Location: Petterino's Banquet Hall: 150 N Dearborn St, Chicago, IL

Cost: \$45

Details: (<http://www.chicagosfpe.org/event/annual-business-meeting-holiday-luncheon/>)

Illinois Fire Prevention Association (IFPA)

(www.ifpanet.org)

IFPA No upcoming events

Refrigeration Service Engineer's Society (RSER)

(www.rses.net)

RSER Monthly Meeting

Date: Nov 14th

Time: 7:00PM

Location: Silver Stallion Restaurant: 1275 Lee St., Des Plaines, IL 60018

Details: (<http://rses.net/>)

RSER SWRA Conference

Date: Sept 28th – Sept 30th

Location: Radisson Hotel: North 2540 Meacham Blvd. Fort Worth, Texas 76106

Details: (<http://www.rses.org/events/rsesswrapconference.aspx>)

Illinois Rural Water Association (IRWA)

(<http://www.ilrwa.org/>)

IRWA No upcoming events

National Rural Water Association (NRWA)

(<http://www.nrwa.org/>)

NRWA No upcoming events

American Water Works Association (AWWA)

(www.awwa.org)

Water Quality Technology Conference & Exposition

Dates: Nov 12th – 16th

Time: All Day

Location: Oregon Convention Center: 777 NE Martin Luther King Jr Blvd, Portland, OR

Cost: \$925

Details: (<https://www.awwa.org/conferences-education/conferences/water-quality-technology.aspx>)

American Water Works Association (AWWA) – Illinois Section

(<http://www.isawwa.org/>)

Monthly Conference Call

Dates: Nov 9th

Time: 11:00AM

Location: Call-in

Details: (<http://www.isawwa.org/events/EventDetails.aspx?id=1000761>)

Healthcare Engineers Society of Northern Illinois (HESNI)

(<http://hesni.org/index.php>)

Quarterly Meeting

Dates: Nov 16th

Time: 11:30AM – 5:00PM

Location: Aramark Conference Center: 2300 Warrenville Road Downers Grove, IL 60515

Details: (<http://hesni.org/calendar.php>)

Water Environment Federation (WEF) Illinois Chapter

(<http://www.iweasite.org/>)

Innovative Technologies Dinner

Dates: Nov 16th

Location: Rock Bottom Brewery: 1 Grand Ave, Chicago, IL

Cost: \$65

Details: (<http://memberleap.com/Calendar/moreinfo.php?eventid=7083>)

American Society of Professional Estimators (ASPE)

(<http://www.aspechicago.org/>)

No Events in Immediate Future

If there are any other organizations that you would like to stay current on, please send me an email and they will be added to the list for our next newsletter. Have a great month!

Brennan Doherty

Chicago Chapter Corresponding Secretary

aspe.chicago.cspsec@gmail.com