



# Chicago ASPENews



Chicago Regional Chapter of the American Society of Plumbing Engineers  
Vol. 54, No. 6  
February 2023

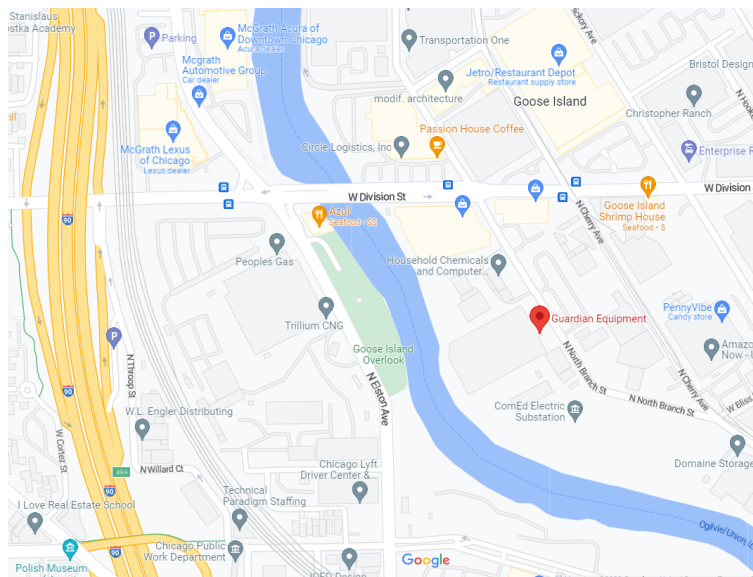


## Chicago Chapter General Meeting Thursday, February 16, 2023



**NEW VENUE!**  
**Guardian Equipment**  
1140 N. Branch Street  
Chicago, IL 60642

[Click Here for a parking Map!](#)



### AGENDA

5:30pm Cocktail Hour Sponsored By:



6:30pm Dinner, (\$45 for ASPE Members \$50 Non-Members). **RSVPs must be received by 6:00 PM on Monday, February 13th** (RSVPs received after this time will be charged a \$5 late fee).

7:15pm **Manufacturer Spotlight:** *Guardian Recessed Laboratory Combination Eyewash/Showers & ASSE 1071 TMV by Jonny Pingry with Guardian Equipment*

7:30pm **Main Presentation:** *Safety First! Specifying Emergency Showers & Eyewashes - Jonny Pingry with Guardian Equipment (0.1 CEUs Available!)*

Please RSVP on the [Chicago.aspe.org](http://Chicago.aspe.org) website in lieu of calling or emailing, thank you for your cooperation!

Catered By:



### Chicago Gastro Pub Station

**Mini Fully Loaded Chicago Style Hot Dog** - Yellow Mustard, Minced Onions, Bright Green Sweet Pickle Relish, Dill Pickle Spear, Fresh Tomatoes, Pickled Sport Peppers, Celery Salt and a Classic Poppy Seed Bun

**Mini Italian Beef** - Classic Jus, Melted Mozzarella & House Giardiniera

**Mini Cobb Salad** - Skewers Baby Iceberg Lettuce, Grape Tomatoes, Crispy Smoked Bacon, Blue Cheese Deviled Egg and Drizzled Blue Cheese Dressing

**Sidewinder French Fries w/ Truffled Aioli**

**Drinks** - Tea, Coffee, Soft Drinks, and Water



# Chicago ASPENews



## 2022-2023 ASPE Chicago Meeting Schedule

Date	Technical Presentation & Manufacturer Spotlight	CEU	Location
Thursday, September 08, 2022	<b>Presentation: Copper: Essential Element of Sustainable and Resilient Design</b> <b>Speaker: Harold Moret - Copper Development Association</b>  <b>Mfr Spotlight: Bradford White Water Heaters</b> <b>Speaker: Phil Traynor of HSA</b>	0.1	Venuti's 2251 W. Lake Street Addison, IL 60101
September 16-21, 2022	<b>ASPE Convention &amp; Expo</b>		Indianapolis, IN
Thursday, October 20, 2022	<b>Presentation: Smarter, Safer Hot Water: Digital Thermostatic Mixing Stations</b> <b>Speaker: Todd McCurdy - Watts</b>  <b>Mfr Spotlight: Watts</b> <b>Speaker: Jason Romano of MCM &amp; Todd McCurdy of Watts</b>	0.1	Noon Whistle Brewing Co 800 E Roosevelt Road Lombard, IL 60148
Thursday, November 17, 2022	<b>Presentation: HUD / FHA Requirements for Multi-Family Buildings</b> <b>Speaker: Todd Spurlin - American Bath Group</b>  <b>Mfr Spotlight: American Bath Group</b> <b>Speaker: KC Akalaonu - American Bath Group</b>	0.1	Westwood Tavern & Tap 1385 N. Meacham Rd. Schaumburg, IL 60173
Thursday, December 08, 2022	<b>Booster Night Holiday Party &amp; Casino Night</b>	N/A	Noon Whistle Brewing Co 800 E Roosevelt Road Lombard, IL 60148
Thursday, December 15, 2022	<b>Presentation: Not All Alloys Are Created Equal</b> <b>Speaker: Lauren Berenato &amp; Zach Fromm of Jomar Valve</b>	0.1	<a href="#">Virtual Meeting</a> 12:00 pm to 1:00 pm
Thursday, January 19, 2023	<b>Presentation: How YOU Can Make an Impact with Codes and Standards</b> <b>Speaker: Julius Ballanco</b>  <b>Mfr Spotlight: Merit Brass Company</b> <b>Speaker: Nathan Buss</b>	0.1	Moretti's Ristorante 6727 N Olmsted Ave Chicago, IL 60631 (Edison Park)
Thursday, February 02, 2023	<b>Presentation: Corrosion Management for Fire Sprinkler Systems</b> <b>Speaker: Bill Aaron of Engineered Corrosion Solutions</b>	0.1	<a href="#">Virtual Meeting</a> 12:00 pm to 1:00 pm
Thursday, February 16, 2023	<b>Presentation: Safety First! Specifying Emergency Showers &amp; Eyewashes</b> <b>Speaker: Jonny Pingry of Guardian Equip</b>  <b>Mfr Spotlight: Guardian Recessed Laboratory Combination Eyewash/ Showers and ASSE 1071 TMV</b> <b>Speaker: Jonny Pingry - Guardian Equipment</b>  <b>*Factory Tour* @ 4:40 pm (Engineers/Designers Only)</b>	0.1	Guardian Equipment 1140 N North Branch Street Chicago, IL 60642
Friday, March 17, 2023	<b>ASPE Chicago Product Show and Technical Seminars Co-located with ILPHCC</b> <b>Drury Lane Conference Center, Oakbrook Terrace, Illinois</b>	0.4	Drury Lane Conference Center, 100 Drury Lane, Oakbrook Terrace, Illinois, 60181
Thursday, April 20, 2023	<b>Presentation: Selecting the Correct Fixture Carrier and Design Considerations</b> <b>Speaker: TBD</b>  <b>Mfr Spotlight: Kohler Commercial Products</b> <b>Speaker: Michelle Bernardi</b>	0.1	Westwood Tavern & Tap 1385 N. Meacham Rd. Schaumburg, IL 60173
Thursday, May 18, 2023	<b>Presentation: Plumbing Installation Demonstrations</b> <b>Speaker: Frank Borkowski</b>  <b>No Manufacturer Spotlight - Extended Demonstration Time</b>	0.15	Plumbers Local 130 Training Center 1400 W Washington Blvd Chicago, IL 60607
Friday, June 16, 2023	<b>Stephen Triphahn Memorial ASPE Chicago Golf Outing</b>	N/A	Makray Memorial Golf Club 1010 S. Northwest Hwy. Barrington, IL 60010

If you would like to present any of these topics or become a meeting sponsor, please contact Chris Rohan at [aspe.chicago.vptech@gmail.com](mailto:aspe.chicago.vptech@gmail.com).

# Manufacturer Spotlight

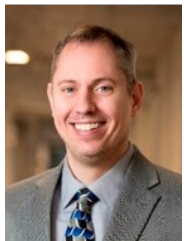


***This month we would  
like to thank:***



**Guardian**

***Thank you for your support!***



## **PRESIDENT'S MESSAGE**

Greetings ASPE Chicago! What a great start to the year. With another new venue in the books, Moretti's Ristorante in Chicago, we had another massive crowd. I believe we were around 75 people in attendance. Julius certainly brings a lot to the table and the subject matter had a lot of comments. Codes are always going to be a hot topic though. I think this new venue location had a lot going for us. Easily accessible location for many of us driving. And right off the train line for commuters from the city.

Merit Brass stepped up to the plate big time and not only sponsored the cocktail hour, but also provided a great presentation for Manufacturer Spotlight, they also donated a nice bottle of booze that was raffled off to those who purchased 50/50 raffle tickets.

By the time this article is published we will have had our latest virtual presentation on Feb 2<sup>nd</sup>. I do hope everyone enjoyed the presentation this time around.

### **Chicago Chapter February Meeting (February 16, 2023):**

This month we will be heading to Guardian Equipment Headquarters. We have a factory tour available prior to the meeting for engineers/designers who wish to attend. Check out Chris Rohan's article for detailed information on the tour. The Manufacturer Spotlight will be on Guardian Recessed Laboratory Eyewash and Showers. Our main presentation will be on Specifying Emergency Showers and Eyewashes. Please be sure to RSVP early as our food orders are paramount to your RSVP and late attendees may end up without a meal.

### **ASPE Chicago Product Show**

This March the ASPE Chicago Product Show will be returning to Oakbrook Terrace. We are joining forces with the Illinois PHCC again. The Illinois PHCC EXPO North will be held on Friday, March 17, 2023, at the Drury Lane Conference Center – 100 Drury Lane, Oakbrook Terrace, IL 60181. We will have 4 hours of continuing education classes with the EXPO Trade show to follow. Stay tuned for more information as we get it, we will pass it along to you.

If you are an Affiliate member who is not joined up with PHCC and want to participate, please reach out to our team for further details. All manufacturer registrations are handled through the PHCC website.

Scott Jagodzinski - [ASPE.Chicago.President@gmail.com](mailto:ASPE.Chicago.President@gmail.com)

### **ASPE Chicago & Feed My Starving Children:**

Also in March we just sent out an eBlast about our World Plumbing Day volunteer event. We are continuing our efforts to increase our charitable endeavors and are looking to top what we did last year.

In 2022, we had 22 members show up to make food packets. I hope to not only meet but exceed that turnout. I have reserved 60 spots for the day. Please make some time in your calendar to join us on Friday, March 10, 2023, @ Feed My Starving Children in Schaumburg. The timeslot we have reserved is 9:00 AM to 10:45 AM. All volunteers are required to come at least 15 minutes early for check in, but I request everyone to come at least 30 minutes early so I can pass out your shirts. Please follow this link <https://forms.gle/3nWfjxe67zUNLmUy9> and fill out the form to let us know you are coming and what your t-shirt size is so we can be sure to have one available for all volunteers. If you want to bring a family member, a co-worker, or friend please fill out the form for each so we can track all participants.

### **ASPE Board Elections:**

Coming up in May will be our ASPE Chicago Board Elections. As a reminder, all board positions are available to any active ASPE member, with the exception of president. We do require that the presidential role be filled by someone who has served in the position of VP Technical first. All other electable positions will be available in May. Would you be interested in serving on the ASPE Chicago Chapter Board? Please reach out to me or any other board member to have your name added to the ballot.

Continued on Page 5

## **CHAPTER OFFICERS**

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### **WEBSITE**

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





## **PRESIDENT'S MESSAGE, CONTINUED...**

Our current Chicago Board roles and the Board roles they will be running for in May are as follows:

Member	2021-2023 Board Position	2023-2025 Board Candidate
Scott Jagodzinski	President	Off Board
Chris Rohan	VP Technical	President
Chris Winnie	VP Legislative	VP Legislative
Justin Wroblewski	VP Membership	VP Technical
Darren Rich	VP Affiliate	VP Affiliate
Jason Romano	Treasurer	Not Running
Phil Traynor	Administrative Secretary	Administrative Secretary
Eric Cottrell	Corresponding Secretary	Corresponding Secretary
Non-elected - Assigned Positions		
Lauren Barraza	Golf Chairman	Golf Chairman
Rob Thomm	AYP Liaison	AYP Liaison
Judy Torres	WOA Liaison	WOA Liaison
Jeff Gallagher	Newsletter/Webmaster	Newsletter/Webmaster
Mark Mannarelli	Education Chairman	Education Chairman

As you can see, we have a few OPEN positions. VP Membership and Treasurer are vacant and looking to be filled.

### **ASPE MedGas Workshop for February announced:**

The next ASPE MedGas workshop will occur between Feb 23-26. The cost for ASPE members is \$2000. Non-Members in \$2350. The Workshop will be taking place in Irvine, CA. Registration is now open. If you are interested, please look to sign up ASAP as the two previous workshops sold out quickly. Please go here to register. <https://www.aspe.org/product/medical-gas-course-complete/>

### **Are you looking to get your CPD?**

ASPE is hosting a virtual 3-part class to assist you in prepping for the CPD exam. The Class will be held from 10 am to 3 pm on Feb 18, 19 & Mar 25. The cost will be \$300 for ASPE Members and \$500 for non-members. Earning your CPD is the only current program out there that recognizes your expertise in the field of plumbing design. The next exam dates for 2023 is April 10-21. Please follow this link for more information and registration. [https://www.aspe.org/pipeline/get-ready-for-the-2023-cpd-exam-with-aspes-online-review-classes/?\\_zs=wHwia&\\_zl=87bN3](https://www.aspe.org/pipeline/get-ready-for-the-2023-cpd-exam-with-aspes-online-review-classes/?_zs=wHwia&_zl=87bN3)

### **A Celebration of Design: (Now Accepting Submissions)**

Chicago Chapter Members are truly special, and I think we should celebrate our work. Not only celebrate it but show it off to our membership. I want to see what cool projects the Chicago Membership has done. I want you to show me what makes you excited about Plumbing, Fire Protection, Med Gas, or any other amazing subject our industry asks you to design. Here is what I want you to do:

Send me an email with the following items filled out. ([ASPE.Chicago.President@gmail.com](mailto:ASPE.Chicago.President@gmail.com))

Engineer/Designer Name: \_\_\_\_\_  
Engineer/Designer Company: \_\_\_\_\_  
# Years in the Industry: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
What Makes this Project Cool to you: \_\_\_\_\_

Include 2-4 photos/images that show off your work

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## **PRESIDENT'S MESSAGE, CONTINUED...**

This can be anything that you thought was cool about what you accomplished. It can be your first time doing a design, it can be a complex project that you were excited to work on, it can be a cool piping system that you got to see built that you designed. Big or small, I want to see it all. Experienced or just starting out, I want to hear from everyone.

We would like to show off both an experienced engineer/designer and a newly learning engineer/designer's work in each newsletter. But until we get submissions to fill in the newsletter the Chicago Board will be providing their work.

Let us show off why Chicago Engineers/Designers are the best in the industry!

### **ASPE Connect:**

Have you contributed to ASPE Connect at all? Do you have questions that you want some professional guidance on, whether it is a design approach, a type of fixture or general questions about engineering? ASPE Connect membership is active and engaging. So, if you have not yet signed in, please go check it out. The information inside is vital, and the membership is eager to assist anyone looking for guidance, answers, or just to share some information. Better yet it's free for all ASPE members. Click on this link for access. <https://connect.aspe.org/home>

### **ASPE Chicago gets Social!:**

Did you know that ASPE Chicago is also available via social media? You can follow us on the following accounts:



& <https://chicago.aspe.org/>

While you are connecting to ASPE Chicago, please also follow ASPE National here:

<https://www.linkedin.com/company/american-society-of-plumbing-engineers/>

<https://www.facebook.com/AmericanSocietyofPlumbingEngineers/>

[https://www.instagram.com/aspe\\_org/](https://www.instagram.com/aspe_org/)

<https://twitter.com/ASPEorg>

Thanks!

**Scott Jagodzinski, GPD, CPD**

*Chicago Chapter President*

[aspe.chicago.president@gmail.com](mailto:aspe.chicago.president@gmail.com)

## **A CELEBRATION OF PLUMBING DESIGN FEATURE PROJECT!**

**Engineer/Designer Name:** Chris Winnie, P.E., CPD

**Engineer/Designer Company:** SmithGroup

We've all had at least one of those projects that we've designed or were a part of that holds a special place in our career. Whether it's the first time you're given design lead, the first construction site visit, or maybe some project that has a complexity/uniqueness that sticks out, these are the projects that keep us excited to be in this industry. Here is my story, what's yours?

The first project that I was involved in the conceptual and schematic design phases was a dental school project. It wasn't my first dental school, so I had experience with the nuances of oral evacuation and how messy of a system it is. It's a gravity system, and don't let other people tell you otherwise! Typically, dental schools have operatories (dental chairs) on upper levels with a basement below so the oral evacuation can be minimally pitched to the air/water separator tank.

On my second dental school, though, there was no basement and the first level had operatories! There was an idea to collect a row of chairs' oral evacuation pipe and rise the pipe vertically to the ceiling and let the vacuum pull the sludge up and through. I rejected this thought immediately because I knew dental chairs close their vacuum inlet after a procedure, so sludge would fall by gravity, congeal and could harden such that the pipe gets blocked.

Being involved in the project so early, I was able to navigate these limitations with the project team and the Architect such that Structural dropped their footings, Mechanical moved their equipment to the penthouse, Architecture depressed a large area in the mechanical room and provided a ship's ladder and guard rail so that a large air/water separator tank could be dropped into this "pit".

I haven't been to the site to punch walk yet, but here is a photo after the tank arrived on site and was dropped into the pit. I'm proud that the inverts for the oral evacuation worked out and the tank could be placed and piped together.



I'm my own worst critic, so I'm constantly looking to improve any system and any design. If you take a look at this image, the clearances on the cutsheet are met, but more clearance around the tank would have been useful. Words of advice....add more buffer to the "minimum" clearances early on.



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## **VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING**

Greetings ASPE Chicago! It's hard to believe we're already more than halfway through a winter that has seemed to be almost non-existent up until now. Hopefully mother nature doesn't have any major wintry weather cued up for us between now and spring! Don't worry, I am knocking on wood as I type this!

Thank you to everyone that came out last month to Moretti's in Edison Park! We had 72 attendees (80 RSVP), the largest turnout for a general meeting that we've had since at least 2013! Was it the location? The presentation? I am going to assume it was a combination of both based on the feedback we received but would love to hear your thoughts.

Thank you very much to Nathan Buss and Merit Brass for sponsoring our Cocktail Hour and for participating in our Manufacturer Spotlight this month! A special thank you goes out to Julius Ballanco for his great presentation on *How YOU can Make an Impact on Codes & Standards*. I hope those in attendance were motivated by the presentation to go out and get involved, armed with all the valuable information Julius provided. Below are some key takeaways from the presentation:

- Anyone can propose a code change!
- A code only becomes a legal document when adopted by the Federal Government, a State, or a local authority.
- The process to submit code changes is easier with the ICC than IAPMO.
- If you submit a code change to the ICC, staff will review your proposal and reach out to you to help improve the chances of success.
- The code change cycle for the 2027 ICC codes will begin in 2024.
- You can submit code changes to the ASPE Legislative Committee to review and comment on. ASPE may choose to support your proposed change, giving you a better chance of success.
- Anyone can propose changes to plumbing standards at any time, as there is typically not a specific cycle for those standards.

If you are interested in viewing the slides from the presentation, please follow this link  
[https://drive.google.com/file/d/1EC1CBS1DK0bL-oJsoYx0Q0iydG9VBuu3/view?usp=share\\_link](https://drive.google.com/file/d/1EC1CBS1DK0bL-oJsoYx0Q0iydG9VBuu3/view?usp=share_link)

Thank you very much to Bill Aaron with Engineered Corrosion Solutions for his excellent virtual presentation on *Corrosion Management Solutions in Fire Sprinkler Systems* last week. If you missed the presentation and would like to see a copy of the presentation, please reach out to me [ASPE.Chicago.VPTech@gmail.com](mailto:ASPE.Chicago.VPTech@gmail.com).

This month, we're excited to try something a bit different! Guardian Equipment has graciously offered to host the Chicago Chapter at their facility on Goose Island! This will be our first downtown meeting this year, so I am hoping to see a lot of faces that do not typically make it out to the suburbs for our meetings. Please note that the general meeting is open to EVERYONE starting with our cocktail hour at 530pm.

Please RSVP by 6pm on Monday, February 13th. If you RSVP and later need to rescind the RSVP, please let me know as soon as you can by sending me an email to [ASPE.Chicago.VPTech@gmail.com](mailto:ASPE.Chicago.VPTech@gmail.com).

### **February Chapter Meeting Info:**

**Factory Tour (Engineers / Designers ONLY):** At 4pm, WaterSaver & Guardian Equipment are offering factory tours of their facilities prior to our general meeting. Please RSVP as soon as possible if you plan on attending the tour so that we can plan accordingly. Below is an itinerary for the factory tour:

- 4:00 pm – Arrive and park at WaterSaver
- 4:40 pm – Leave for Guardian Equipment Factory Tour (shuttle will be provided for those that used public transit)
- 4:50 pm – Guardian Equipment factory tour ending at 5:00 pm.

Factory Tour information and parking ([Click Here!](#))

### **General Meeting (Open to EVERYONE)**

Cocktail Hour Co-Sponsors: **WaterSaver and Guardian Equipment**

Manufacturer Spotlight: **Guardian Rewash/Shower and ASSE 1071 TMV's by**

Continued on next page

**cessed Laboratory Combination Eye-Jonny Pingry with Guardian Equipment**



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Manifold assemblies available in up to 6" valve outlet sizes	•	•	•	•
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Five relay contacts that switch on during alarm states		+	+	+
Remote alerts to assist Maintenance and Service Personnel		+	+	+
Loss of power alert		+	+	+
Broken temperature probe alert		+	+	+
"Out of range" temperature alert ( $\pm 10^{\circ}\text{F}$ )		+	+	+
Motor connectivity and operation alert		+	+	+
Service required @90% full shuttle movement alert		+	+	+
Enhanced controller with BACnet MS/TP connection			•	•
Enhanced controller with WiFi				•

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## **VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING**

Title of presentation: *Safety First! Specifying Emergency Showers & Eyewashes*

Presentation Summary: The presentation is intended to leave attendees with a better understanding of the regulations and standards that have formed the emergency eyewash and safety shower industry. It will also illustrate the different types of equipment available for common commercial applications. The learning objectives are as follows:

- Occupational Safety & Health Administration and American National Standards Institute – general and specific guidelines and requirements
- Understanding ANSI/ISEA Z358.1-2014
- Emergency Eyewash/Shower product categories and examples
- Roles and responsibilities of a specifier/designer
- Design challenges and solutions for specific applications/environments

### Presenter Bio:

Jonny Pingry – Regional Sales Manager: Midwest – Plumbing/Specification for Guardian Equipment

Jonny began his career in Guardian's Inside Sales Team after graduating from the University of Missouri in 2017. After 1.5 years in the Inside Sales role, he was promoted to Guardian's Safety Sales Team to focus on end user relationships by conducting facility audits on emergency eyewash and shower stations. Following several years of working with Guardian's end user network, he was promoted to Regional Sales Manager: Midwest - Plumbing/Specification to focus Guardian's efforts to provide effective support and service to the Specification community. He now works primarily with specifying engineers, architects, contractors, and plumbing wholesalers.



### Dietary Restrictions:

If someone has allergies or a diet restriction and would like something alternative to the listed dinner offering, please reach out to me directly with as much advance notice as possible and we will try to accommodate you. However, due to the challenges of such requests, members will be required to prepay online prior to the meeting and cancellations will not be refunded as that alternative meal will not be served if you are not in attendance.

## **2022-2023 Chapter Meetings and Beyond**

Your participation in the evaluations is very important to us to help plan for future meetings and presentations. We offer multiple ways to participate, including sending out an eblast to attendees that morning after the meeting that includes a link to the evaluation form.

We will continue our effort to eliminate the use of paper evaluation forms and ask that you scan the QR Codes located on tables at our monthly meetings. If you require a paper evaluation form, they will be available at the sign-in table.

You can scan the adjacent code by either using your smartphone camera, which will automatically detect the code (depending on the age of your phone), or by using a QR Code scanner app on your phone. The QR Code will take you to a Google Form to fill out an evaluation.



If you have an idea for a technical presentation you want to see, or you have a great technical session you want to present, please reach out to me and we can look to get you or your topic on the list for the Expo or for the meeting season next year. We are also looking to lock in Manufacturer Spotlights and Cocktail Hour sponsors as well if you have interest.

Stay safe and I hope to see you at Guardian Equipment!

**Chris Rohan, CPD**

*Chicago Chapter Vice President, Technical*

[aspe.chicago.vptech@gmail.com](mailto:aspe.chicago.vptech@gmail.com)

# MID CONTINENT



For more information, contact:

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331-688-0013 (C)  
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## **VICE PRESIDENT, LEGISLATIVE**

Greetings Chicago Chapter Members!

### **City of Chicago Updates:**

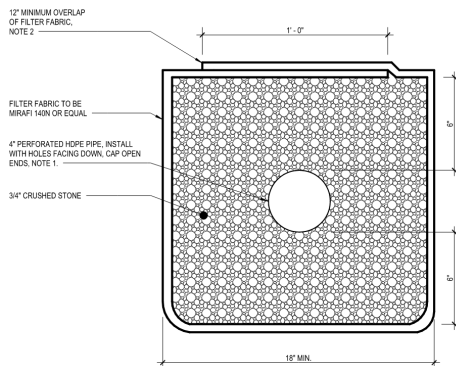
Last month, we discussed the air chambers being added back to code. I don't have anything new this month to share.

To stay up to date on the happenings of the City Council and Committees, you can find the regularly updated calendar here <https://chicago.legistar.com/Calendar.aspx>

### **Two design aspects I want to discuss:**

#### **1. Do you put cleanouts on subsoil drainage?**

In our model codes, subsoil drainage is mentioned in the storm drain chapter and cleanouts for the storm drainage chapter references the sanitary chapter. However, subsoil drainage is listed as an "exception" and thus need not have cleanouts. How about that? My worries start not with the potential for clogs, but rather – how does the owner know if their SSD pipe has been compromised? Also, the system should not be rodded or jet-cleaned from what I hear – the pipes are loosely attached together, here's a detail I frequently use:



For those at home reading thinking, "what is a subsoil drainage system???" The subsoil drainage system is a system that alleviates the potential hydrostatic pressure from building up, normally infrequent, but gets increasingly frequent the closer you get to the water table. The system also is connected to a sump pump typically; else if it drains by gravity the system is required to have a backwater valve. Of note, if your home has a basement it likely has this system connected to a sump pump!

#### **2. How much attention do you pay to insulation on underground water pipes in your specifications, general notes and project manual?**

I was on a pre-construction underground meeting some time ago where we were discussing all of the systems being routed underground. We had oral evacuation, dental compressed air, sanitary, storm, vent, domestic cold, domestic hot and recirculation piping underground because we had no full height walls for a large open space with sinks and dental chairs. The call was primarily to discuss how the dental air and oral evacuation pipe would be installed, but as the call was wrapping up I innocently asked how they would insulate the ~1,000 feet of underground potable water.

The response: "We don't insulate underground water pipe."

Things got serious really quick. Sure, domestic cold water need not be insulated but to be covered with a film so the soils don't wear away at the copper. But the hot water supply and recirculation?! Just think of all that heat transfer as the BTUs flow into the ground. They'd never get hot water out of the faucets. We were able to work out on the call two solutions to insulating underground piping because insulation can't get wet. What do you do insulate underground hot water?

Continued on next page

## **VICE PRESIDENT, LEGISLATIVE, CONTINUED...**

What do you think? I'd love to have a discussion about any or all of these opinions, I'm here to learn and to share what I'm learning.

If you have questions, or want to discuss, feel free to reach out to me at [aspe.chicago.vpl@gmail.com](mailto:aspe.chicago.vpl@gmail.com). Also if you have any topics of design ideas that you're aware of but might not be explicitly obvious, please share and I can include in a future newsletter!

### **International Code Council – 2024 Codes:**

The process of updating the International Building Codes for the 2024 edition, is still underway. There have not been any recent updates from the Committee Action Hearings in Spring, I will be continually monitoring this.

### **State of Illinois Updates:**

There has been no action related to the State of Illinois Plumbing Code. Additionally, there are no scheduled Illinois Plumbing Code Advisory Council Meetings. If that changes, I will let you know. To keep up on scheduled IDPH Events, the regularly updated calendar can be found here: <http://www.dph.illinois.gov/event>

Please reach out to me if you have any code questions, code updates, ideas for topics of discussion, or you are looking for any interpretations and I will try and include pertinent information in future newsletters.

Thanks!

### **Chris Winnie**

Chicago Chapter Vice President, Legislative  
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Continued on next page



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## **VICE PRESIDENT, MEMBERSHIP / AMBASSADOR**

Happy New Year!!

Our current membership numbers are climbing. We currently have 269 members in the Chicago chapter. We have just passed Boston(256 members) and are now the 2<sup>nd</sup> largest chapter in ASPE, right behind New York City at 329 members. If you know of a member that is currently struggling paying dues, please reach out to me. ASPE does offer a compassion wavier which can help in times of need.

Our newest member to join our chapter are:

- David Short – Berg Engineering
- Adrian Vlad – Lochinvar
- Michael Casey – FE Moran
- Greg Pardue – HSA
- Ethan Bauer – BOILERSOURCE
- Zachary Goldstein
- Peter McLennan – Vivo Aqua

Please welcome them to the chapter!

For those looking to obtain your CPD here are some practice questions for you to answer. Answers will be given the following month, or if you'd like them sooner please reach out to me.

1. If a mixing valve mixes 180 degree hot water with 60 degree cold water to get 120 degree tempered water, what percentage of the tempered water is hot water?

- a. 40%
- b. 50%
- c. 60%
- d. 70%

2. How many BTU's would be required to provide 120 degree water to a 2.5 gpm mop sink supplied from an instantaneous water heater if the incoming water temperature is 40 degrees?

- a. 2,080
- b. 125,000
- c. 99,960
- d. 1,020

3. If you have a storage water heater that is 60 inches tall at a diameter of 36 inches, approximately how many KW's will be required to heat the water to 140 degrees from 45 degrees incoming temperature? Neglect usable storage.

- a. 209,205
- b. 100,300
- c. 82
- d. 61

Stay Healthy,

**Justin Wroblewski, CPDT**

*Chicago Chapter Vice President, Membership / Ambassador*

[ASPE.Chicago.VPM@gmail.com](mailto:ASPE.Chicago.VPM@gmail.com) / [aspe.chicago.ambassador@gmail.com](mailto:aspe.chicago.ambassador@gmail.com) / [Jwroblewski@ams-pmt.com](mailto:Jwroblewski@ams-pmt.com)



## **VICE PRESIDENT, AFFILIATE**

Greetings Chicago ASPE Members!

Well, it looks like our Mild winter has come to and end and just when we were thinking it's time to look forward to Spring... Winter hits.

We should be used to that living in Chicago! Let's hope winter doesn't carry into April now!

Our attendance at our meetings has been fantastic! Keep showing up and keep bringing new Members! The support for the Chapter has been incredible!

Let's keep it going!

Lot's of great things still happening, in the next 5 months, we have some excellent monthly meetings planned. Our Product show / Technical Seminars Co-located with ILPHCC again, as well as the Stephen Triphahn Memorial ASPE Chicago Golf Outing..... So many things you don't want to miss!

Are you interested in advertising in our newsletter to reach a targeted audience? Rates are on a separate flyer in this Newsletter. Interested in a multi-month advertisement? Reach out to me to see what kind of special I can offer.

Finally, remember Affiliates, I am your voice to the ASPE Board. Suggestions? Frustrations? Compliments? Let me know... I am ready to take on whatever you want to bring to the attention of the board, directly to the board. Just reach out to me let me know.

I look forward to seeing everyone soon! Stay Safe and Healthy!

**Darren Rich**

*Chicago Chapter Vice President, Affiliate*

P# 224.833.6023 [aspe.chicago.vpaff@gmail.com](mailto:aspe.chicago.vpaff@gmail.com)



## **ADMINISTRATIVE SECRETARY**

Hello ASPE Chicago,

We made it through January 2023. I hope it was a productive month for all as there continues to be a steady stream of work through the industry.

As our meetings continue into February please be cognizant of the RSVP page as that helps us communicate to the venue. Chris and the board want to continue to provide the best venues, however they are costly. If we can be more accurate, then we don't pay for a bunch of empty seats.

Congratulations to the following winners at last month's meeting!:

- 50/50 (Big Brothers & Big Sisters) - Bob Taylor with McWane
- RSVP Free Dinner Raffle - Ethan Bauer with Boilersource
- Engineer Door Prize Winner - Chris Winnie with Smithgroup

Be on the look out for the PHCC Show information coming out soon as well!

Have a wonderful February and if you are inclined to send flowers my address is below

Sincerely,

**Phil Traynor, HSA**

*Chicago Chapter Administrative Secretary*

[aspe.chicago.admsec@gmail.com](mailto:aspe.chicago.admsec@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?

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**Please contact Darren Rich for more information**

**P# 224-833-6023 / Email: [aspe.chicago.vpaff@gmail.com](mailto:aspe.chicago.vpaff@gmail.com)**





## **CORRESPONDING SECRETARY: INDUSTRY NEWS**

I can't believe it's already February! Hopefully Spring will be just around the corner...can't wait! How about that Morretti's location? That was awesome! See you all at Guardian this month.

I would also like to mention that ASPE Chicago is on Social Media! Please feel free to send over pictures you have of some jobs you are working on, and pictures from any other ASPE events you may have at [ASPE.chicago.social@gmail.com](mailto:ASPE.chicago.social@gmail.com)

Follow us on:



Please see below a number of different opportunities around our community that would benefit those of you who chose to invest your time.

### **American Society of Sanitary Engineering (ASSE)**

Mid-Year Meeting  
Date: April 4-6 2023  
Location: Chicago Plumbers Local 130  
INFO: <https://asse-plumbing.org/asse/midyear>

### **American Institute of Architects (AIA)**

Eastern Illinois Chapter  
Regular January Meeting + Board Elections  
Date: February 22<sup>nd</sup>, 2023  
Time: 6:00pm-9:00m  
Location: Gatto's Tinley Park, 8005 W. 183<sup>rd</sup> St., Tinley Park, IL 60477  
INFO: <https://aiaaic.org/meetinginfo.php?id=92&ts=1675529079>

### **Illinois Chapter of ASHRAE**

Membership Meeting  
Date: February 28<sup>th</sup>, 2023  
Time: 12:00 pm  
Location: Lunch time Hybrid meeting Suburban Location TBA  
INFO: <https://illinoisashrae.org/calendar.php>

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

Illinois PHCC EXPO (Co-located with the ASPE Chicago Chapter!)  
Date: March 17<sup>th</sup>, 2023  
Location: Drury Lane Conference Center, 100 Drury Lane, Oakbrook Terrace, Illinois, 60181  
INFO: <https://www.ilphcc.com/expo>

### **National Fire Protection Association (NFPA)**

Event List: <https://www.nfpa.org/Events>

### **Society of Fire Protection Engineers (SFPE)**

No meetings/events scheduled at this time

### **Illinois Rural Water Association**

IRWA 41<sup>st</sup> Annual Technical Conference  
Date: February 21-23, 2023  
Location: Effingham, IL  
More information will be coming in November, watch the link below for more information  
<https://www.ilrwa.org/>

### **National Rural Water Association (NRWA)**

No Events in Chicagoland Area  
[https://nrwa.org/annual\\_events/](https://nrwa.org/annual_events/)

### **American Water Works Association Illinois Section**

Find all up coming events here (there are multiple events)  
[https://www.isawwa.org/events/event\\_list.asp](https://www.isawwa.org/events/event_list.asp)

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.

**Eric Cottrell, Mid-Continent Marketing**  
*Chicago Chapter Corresponding Secretary*