



Chicago ASPENews



Chicago Regional Chapter of the American Society of Plumbing Engineers
Vol. 53, No. 7



ILLINOIS PHCC EXPO NORTH

FRIDAY, MARCH 18, 2022

DRURY LANE CONFERENCE CENTER - OAKBROOK TERRACE, IL

Join
us!



ASPE CHICAGO CHAPTER EXPO

Over \$3,000 in door prizes such as:

GIBSON'S STEAKHOUSE GIFT CARD | YETI COOLERS | K1 RACING PACKAGE

And much, much more!



See page 3 of this newsletter for links to register, view more info on technical sessions & speakers, and to print out your door prize ticket!

plus...

TECHNICAL SESSIONS AND CEU'S AVAILABLE

[VIEW MORE INFO + SPEAKERS](#)

JOINING US? REGISTER HERE!

**ASPE CHICAGO CHAPTER EXPO
REGISTRATION**





Chicago ASPENews



2021-2022 ASPE Chicago Meeting Schedule

Date	Technical Presentation & Manufacturer Spotlight	CEU	Location
Friday, September 10, 2021	Stephen Triphahn Memorial ASPE Chicago Golf Outing	N/A	Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates
Thursday, September 16, 2021	Presentation Topic: Hot Water Heat Pumps: An Emerging Technology for Today's Energy Trends Speaker: Chris Wisinski Mfr Spotlight: Bornquist - New Technologies Speaker: Chris Wisinski	0.1	Westwood Tavern & Tap 1385 N. Meacham Rd. Schaumburg, IL
September 22-26, 2021	ASPE Technical Symposium San Diego, CA		San Diego, CA
Thursday, October 21, 2021	Presentation Topic: Flue Gas Vent Materials & Standards Speaker: Bill Summers Mfr Spotlight: Centrotherm Speaker: Josh Stelter of Lyall, Thresher & Assoc	0.1	Venuti's 2251 W. Lake Street Addison, IL
Thursday, November 18, 2021	Presentation: Chicago Plumbing Code Amendments Speaker: Grant Ullrich - Chicago Managing Deputy Commissioner Mfr Spotlight: Herkowski Stickler & Associates Speaker: Phil Traynor	0.1	The Berghoff 17 W. Adams Street Chicago, IL
Thursday, December 09, 2021	Booster Night Holiday Party & Casino Night	N/A	La Villa Restaurant 3638 N Pulaski Rd Chicago, IL
Thursday, January 20, 2022	Presentation: Hot Water Distribution Temperatures, Legionella Control & the Need for Enhanced Scald Prevention Tactics Speaker: James Dipping - ESD Mfr Spotlight: NIBCO Speaker: Aaron Kilburg	0.1	Noon Whistle Brewing Co (NEW VENUE!) 800 E Roosevelt Road Lombard, IL 60148
Thursday, February 3, 2022	Presentation: Everything Engineers Should Know about Hot Water Return Design (Part 1: Theory) Speaker: Christoph Lohr - IAPMO	0.1	Virtual Zoom Meeting Register at https://education.aspe.org/upcoming
Thursday, February 17, 2022	Presentation: COVID-19 Crisis Impact on Water Speaker: Brian Croy of LiquiTech Mfr Spotlight: QuantumFlo Booster Pump Systems Speaker: Dave Bogot of Boilersource	0.1	Westwood Tavern & Tap 1385 N. Meacham Rd. Schaumburg, IL
Thursday, March 3, 2022	Presentation: Everything Engineers Should Know about Hot Water Return Design (Part 2: Practice (Workshop)) Speaker: Christoph Lohr - IAPMO		Virtual Zoom Meeting Register at https://education.aspe.org/upcoming
Friday, March 18, 2022	ASPE Chicago Product Show and Technical Seminars Co-located with ILPHCC Drury Lane Conference Center, Oakbrook Terrace, Illinois	0.4	Drury Lane Conference Center, Oakbrook Terrace, Illinois
Thursday, April 21, 2022	Presentation: Performance Roof Drain Design Speaker: Craig Froeter Mfr Spotlight: American Gas Safety Speaker: Phil Traynor of HSA	0.1	Church Street Brewing Co (NEW VENUE!) 1480 Industrial Drive, Unit C Itasca, IL 60143
Thursday, May 19, 2022	Presentation Topic: Plumbing Installation How To's Speaker: Jim Majerowicz Mfr Spotlight: Leonard Valve Speaker: Rick Cota	0.1	Plumbers Local 130 Training Center 1400 W Washington Blvd Chicago, IL 60607
Friday, June 17, 2022	Stephen Triphahn Memorial ASPE Chicago Golf Outing	N/A	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 Rohan at aspe.chicago.vptech@gmail.com.



ILLINOIS PHCC EXPO NORTH FRIDAY, MARCH 18, 2022

DRURY LANE CONFERENCE CENTER - OAKBROOK TERRACE, IL

Join
us!



PRINT ME OUT!!

ASPE CHICAGO CHAPTER EXPO

Over \$3,000 in door prizes such as:

GIBSON'S STEAKHOUSE GIFT CARD | YETI COOLERS | K1 RACING PACKAGE

And much, much more!



plus...

TECHNICAL SESSIONS AND CEU'S AVAILABLE

[VIEW MORE INFO + SPEAKERS](#)

JOINING US? REGISTER HERE!

ASPE CHICAGO CHAPTER EXPO
REGISTRATION



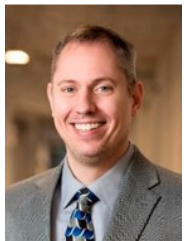
ASPE CHICAGO CHAPTER - EXPO 2022

DOOR PRIZE TICKET

NAME: _____

EMAIL: _____

PHONE: _____



PRESIDENT'S MESSAGE

Greetings ASPE Chicago Chapter Members: The year keeps moving along with a strong chapter presence for in person meetings. Although we had some pretty nasty weather hindering our great RSVP list for our last meeting, I am so pleased with all who did brave the elements to make it.

A big thank you to our cocktail sponsor Victaulic, it was nice to see you guys come out. A big thank you to Dave Bogot from Boiler Source for the manufacturer Spotlight presentation on QuantumFlo. Finally a big thank you to Brian Croy from Liquitech who gave an informative presentation on the impacts Covid-19 has had on the water supply, so glad he could make it on time!

Our next meeting will be the joint Product Show and Expo with ILPHCC on March 18, 2022, at Drury Lane Conference Center @ 100 Drury Lane, Oakbrook Terrace, IL 60181. Come on out and see for yourself, it is sure to be a packed house! We encourage all members who plan on attending to please register using the link sent out via email or using the links in the flyer on the previous page so that we have an accurate count for meal planning.

We have 4 great educational sessions to stock up on your CEUs, we have a huge expo, and we will have door prizes for those who enter. Watch your email or use the links in the flyer on the previous page for the printable ticket. You must have a ticket in hand to enter, but you are not required to be present to win!

2022 CPD Registration is now open:

ASPE's Certified in Plumbing Design (CPD) credential sets the standard for leadership within the industry and provides formal recognition of outstanding professionals with advanced skills in the design and specification of plumbing systems. The 2022 exam will be held via remote proctor on April 11-22, and registration is now open. If you are interested in sitting for the exam, visit aspe.org/education-credentialing/cpd/exam to fill out the eligibility form. Best of luck to all who take this exam. If you do take the exam, please reach out to the chapter board and share your experience.

For those of you who are already CPDs, remember to recertify by the end of April if this is your renewal year.

ASPE Door Prizes at monthly meetings:

Congrats to our February Meeting Door Prize winner - Maury Liberman - Irving F. Lieberman & Assoc., Inc.

With the late weather mess, we had only a handful of engineers who could make it. The odds were good for our winner. Come stop in at our next meeting and you too could walk away a winner.

Do you want to be Green Certified?

ASPE Green Plumbing Design, or GPD, is now available on demand. The new program is a self-paced online certification where you can earn your certificate at your own pace. Follow along with 7 multi-part modules designed to refine your skills in sustainable design. This includes Water Conservation, Standards & Regulations, Solar Water Heating, Drain Water Recovery, Water Treatment, Rainwater Harvesting, Condensate Collection, And More!

You must have your CPD or PE to be eligible. Register online @ ASPE Education or follow this link: <https://education.aspe.org/products/green-plumbing-design>

Continued on Page 5

CHAPTER OFFICERS

PRESIDENT

Scott Jagodzinski, CPD, GPD
Virtual Energy Solutions
847.513.4809
aspe.chicago.president@gmail.com

VICE PRESIDENT TECHNICAL

Chris Rohan, CPD
The Engineering Studio, Inc.
847.795.8810
aspe.chicago.vptech@gmail.com

VICE PRESIDENT LEGISLATIVE

Chris Winnie
SmithGroup
847.400.6017
aspe.chicago.vpl@gmail.com

VICE PRESIDENT MEMBERSHIP

Justin Wroblewski
AMS Mechanical
630.969.7000
aspe.chicago.vpm@gmail.com

VICE PRESIDENT AFFILIATE

Darren Rich
Thermal Applications Group
847.421.0053
aspe.chicago.vpaff@gmail.com

TREASURER

Jason Romano
Mid-Continent Marketing
630.973.0056
aspe.chicago.treasurer@gmail.com

ADMINISTRATIVE SECRETARY

Phil Traynor
Herkowski Stickler & Assoc. (HSA)
630.294.3485
aspe.chicago.admsec@gmail.com

CORRESPONDING SECRETARY/ SOCIAL MEDIA TECHNICAL DIRECTOR

Eric Cottrell
Inland Sales Group
630.407.7042
aspe.chicago.cspsec@gmail.com

PRODUCT SHOW CHAIRMAN

TBD
aspe.chicago.pschairman@gmail.com

ASPE CHICAGO JOBS PROGRAM COORDINATOR

aspe.chicago.careers@gmail.com

HISTORIAN

Joe Ficek
Grumman Butkus
847.316.9222
jficek@grummanbutkus.com

NEWSLETTER EDITOR, WEBMASTER

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

AYP LIAISON

Robert Thomm
Evergreen Sales
608.339.1185
aspe.chicago.ayp@gmail.com

WOA LIAISON

Natalia Dankanich
Grumman Butkus
ndankanich@grummanbutkus.com

AMBASSADOR

Justin Wroblewski
AMS Mechanical
aspe.chicago.ambassador@gmail.com

SOCIAL MEDIA COORDINATOR

Eric Cottrell
Inland Sales Group, Inc.
aspe.chicago.cspsec@gmail.com

WEBSITE

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

FOLLOW US ON:



PRESIDENT'S MESSAGE, CONTINUED...

Member Passing

We want to share the news that James Lagina, manufacturer representative passed away. Here is a message from his family that was posted on LinkedIn:

Hello LinkedIn,

My name is Julia Lagina and I am Jim's daughter. After a courageous fight, Dad went home to be with Jesus at 12:25am on Wednesday, February 16th. While it's not the outcome we wanted, we rejoice that Dad is no longer in any pain and is finally with his Savior.

There will be a Celebration of Dad's Life at the Elmbrook Church Chapel, 777 S. Barker Road, Brookfield, WI 53045, on Friday, March 11, 2022, with fellowship from 3:00 to 4:30pm, a memorial service at 4:30pm, and reception to follow from 5:30 to 7:00pm. In lieu of flowers, memorials to Fort Wilderness Ministries, 6180 Wilderness Trail, Rhinelander, WI 54501 are encouraged.

We look forward to this time to share memories and reflect on Dad's legacy. From the bottom of our hearts, we appreciate all the love, support and prayers.

His full obituary can be found here:

<https://lnkd.in/d2pmn6sV>

In lieu of flowers, memorials to Fort Wilderness Ministries, 6180 Wilderness Trail, Rhinelander, WI 54501 are encouraged.

Thanks!

Scott Jagodzinski, GPD, CPD

Chicago Chapter President

aspe.chicago.president@gmail.com



PLUMBING/FP ENGINEER

Virtual Energy Solutions, a Veteran Owned engineering & architecture firm, based in Chicago, Illinois, has a tremendous opportunity in for an individual who is interested in a change-of-pace environment. We seek a self-driven and motivated **Plumbing/FP Engineer** to join our team! All employees work from home and have flexible working styles.

Responsibilities:

- Work with MEP in house engineers and architects.
- Work with outside firms as part of sub-consultant team.
- Work under supervision of Senior Plumbing/FP Engineer to design plumbing/FP systems from schematic design through project completion.
- Produce detailed design documents and specifications under guidance of Senior Engineer.
- Perform site surveys, existing condition assessments and assist in writing reports.
- Check shop drawings and assist during construction.
- Work with Microsoft Teams program for meetings and collaboration.

Requirements:

- Associates degree in Mechanical or Plumbing/Fire Protection minimum, bachelor's degree preferred.
- Minimum 3-5 years of plumbing and fire protection engineering/design experience preferred.
- Working knowledge of NFPA, IPC, Illinois Plumbing, and Chicago Building Codes.
- CPD Certification a plus.
- AutoCAD and REVIT knowledge required.
- Self-starter with the ability to interact with a variety of clients.

Work Perks:

- Work from home eliminates commute
- Benefits include medical, dental and retirement match
- Annual profit sharing
- Flexible schedules
- Can work from anywhere you have an internet connection.

VES is an equal opportunity employer that offers excellent benefits and a wonderful work environment. For more information, please visit our website at <https://www.virtualenergysolutions.com/>

If you are interested in applying for this position, please email your resume to Eric Person at eperson@veschicago.com and Scott Jagodzinski at sjagodzinski@veschicago.com

Upcoming AYP Event!



Event will include...

Tour of Phase Three Brewing

Happy hour after the tour

Where: Phase Three Brewing Company – 932 Donata Ct. Lake Zurich, IL

When: Wednesday April 13th at 5:30 PM

Please send an email to aspe.chicago.ayp@gmail.com to sign up!

Thank you to our event sponsor!





REPCO ASSOCIATES, INC

Representing Manufacturers of Quality
Plumbing Products Since 1969

ABT[®], INC.

Eomax[™]
evolving hot water



Metcraft
INDUSTRIES INCORPORATED



SLOAN[®]

SYMMONS[®]
the smart choice[™]

1775 West Armitage Court • Addison, IL • 60101

630-932-9900 Phone • 630-932-9911 Fax

For more information please contact justin@repcoassociates.com or visit our website.

www.repcoassociates.com



VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING

Greetings Chicago Chapter!

Spring is almost here and the itch to get out and swing some sticks at white balls is getting unbearable! In the meantime, we can look forward to St. Patty's Day, our first product show since 2018 on March 18th in Oakbrook Terrace, and the start of March Madness! I am hopeful for a long run for my Rock Chalk Jayhawks, but anyone familiar with college basketball knows how that tends to turn out! Who is your pick to make a run this year?

Thank you to all those that made it out last month during a Winter Storm Warning! What unfortunate timing with the weather and as far as I know, everyone made it home okay. The storm crushed our expected attendance by a little more than 50%, but I do not blame anyone that chose to stay home, especially for anyone south.

A big thank you to Victaulic for sponsoring the cocktail hour and to QuantumFlo Booster Pump Systems and Dave Bogot of Boilersource for presenting as part of our Manufacturer Spotlight! Lastly, I would like to thank Brian Croy of LiquiTech for fighting all the weather-related travel difficulties to get to Westwood just on time for his presentation on the COVID-19 Crisis Impact on Water. It was a very timely presentation on water stagnation within our buildings, municipal infrastructure, and methods to protect your building against pathogens.

If you are interested in viewing the slides from the presentation, please follow this link <https://drive.google.com/file/d/1orsgC4Vd7MVpwxuEJkcCUZJY8OUEhmZr/view?usp=sharing>

Virtual Meeting

Thank you to everyone that attended our 2-Part Virtual Meeting Series with Christoph Lohr of IAPMO on "*Everything Engineers Should Know about Hot Water Return Design*". Based on the registration numbers, this series was a huge success. Thank you again to Christoph for being available to present to our Chapter!

Co-located ILPHCC / ASPE Expo Technical Sessions

On Friday, March 18, 2022, for the first time since 2018, the Chicago Chapter will be hosting an Expo along with the ILPHCC (for the first time EVER). You will be able to earn up to 4 CEU's if you attend the Technical Sessions that will occur between 9am-1:30pm. I think we have a great lineup of some very timely topics for our region. If you plan on attending the Expo, we please ask that you register in advance to assist with planning for food and beverage and help speed up the sign-in process. You may register for the Expo here <https://forms.gle/tWPskKxTpNRKAxjC6>. Please see below for Technical Session line-up. For course descriptions and speaker bios [click here](#):

- **9:00 – 10:00 AM: Sudsing and other High Rise Problems – Presented by Julius Ballanco, P.E., CPD, FASPE**
- **10:10 – 11:10 AM: Water Hammer Control – Presented by Jake Ismert and Michael Meagher of Sioux Chief Manufacturing**
- **11:20 AM – 12:20 PM: Peak Water Demand Calculator for Designing Plumbing Systems– Presented by Dan Cole of IAPMO**
- **12:30 – 1:30 PM: Seismic Bracing Design for Plumbing Systems – Presented by James Matthews of nVent**

Technical Presentation Evaluations

Just a reminder that we are continuing to use QR codes for our Technical Presentation Evaluations. These evaluations are very important in helping us plan for future meetings and presentations.

At the Expo Technical Sessions, the QR code will be found throughout the room to complete the evaluation. We will continue to have paper evaluations on hand for anyone more comfortable with that method and for locations where phone signals may be weak or non-existent.

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 next season. Slots will fill up quickly. We are also looking to lock in a Cocktail Hour sponsor for our last meeting of the year. If you are interested in a Manufacturer Spotlight segment or being a Cocktail Hour sponsor for our 2022-23 meeting season, please let me know.

Stay safe and I hope to see you this month at the Expo!!

Chris Rohan, CPD

Chicago Chapter Vice President, Technical
aspe.chicago.vptech@gmail.com

Continued on Page 9



VALUE ENGINEERING: QUALITY NEVER GOES OUT OF STYLE

**Learn more about the benefits of
using a cast iron plumbing system.**



Don't Value-Engineer the Quality Out of Your System

Don't value-engineer the performance out of your next DWV plumbing project. Consider the true cost of installation when comparing piping solutions.

Reach out to your local Tech Services rep to schedule a time to go over the ASPE approved CEU Value-Engineering Considerations presentation.

McWanePlumbingTechServices.com/contact

FOR EVERYDAY KITCHEN + LAVATORY APPLICATIONS

THE SMART CHOICE



410



420 / 420T

ASSE 1070
THERMOSTATIC
CERAMIC CARTRIDGE
WITH BUILT-IN CHECK VALVE
AND SCALD PROTECTION



430

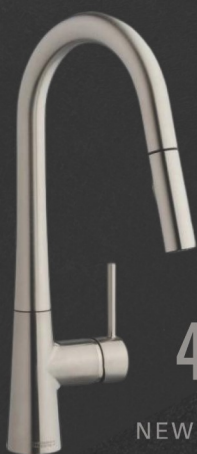


432



PREMIUM QUALITY

VALUE PRICE



434

NEW FINISHES!

CHICAGO
FAUCETS®

Geberit Group



INFO@INLANDSALESGROUP.COM
WWW.INLANDSALESGROUP.COM

SERIES

4000



VICE PRESIDENT, LEGISLATIVE

Hello Chicago Chapter Members!

Daylight saving begins on March 13th and I couldn't be more excited! As we "Spring-forward" this month, I've provided a link to the latest City of Chicago code updates that are now in place. Also we will be looking back at the code change for storm pipe sizing that occurred in the International Plumbing Code; could this change be coming to the Chicago Plumbing Code?

City of Chicago Updates:

The changes to the City of Chicago Plumbing Code are now legally a part of the code as of March 1st. I would recommend reading through the changes in the link below in advance of working on your projects in the city.

<https://www.chicago.gov/content/dam/city/depts/bldgs/general/CodeModernization/O2021-4134.pdf>

In the April newsletter I will highlight the significant changes that were implemented. Some content will be a repeat from the October newsletter but we now have the written code so it will be important to bridge the gap between the intent and how it is interpreted.

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>

Storm drain sizing differences between 2012 IPC and 2015 IPC:

For many editions of the International Plumbing Code, roof drain piping was to be sized following the "square foot method". It consisted of a table with pipe sizes, rainfall intensity and the slope the pipe would be installed. The last time the square foot method was seen in the IPC was within the 2012 edition. If you're not familiar with it, the idea was that code was written to simplify storm pipe sizes relative to the roof area that a drain serves. As drain leaders would combine, the total square feet would increase and following a chart, pipes would increase in size. This made it easier for co-workers and officials to quality check the design before and during installation.

In the 2015 code, a change was made. The code section for storm drains was written to have engineers size roof drain pipe based on how many gallons per minute (GPM) could flow through the pipe. This necessitated us engineers to understand the sizing criteria instead of following a chart. How have you been sizing pipes since 2015?

When the 2015 code was adopted and my first project with a storm drain design was underway, I was left searching for answers on how I could calculate the GPM that each drain would receive. It wasn't until I spoke with my civil engineer counterpart at the water cooler that I learned about the Rational Method. I was complaining to civil that I wasn't able to get a pipe size to them because the square foot method didn't exist in the code any longer. My Civil Engineer counterpart shared with me that the Rational Method is their basis for sizing pipes, and that flow can be solved. Here is the formula for the Rational Method:

- Rational Method: $Q = C * i * A$
 - Q is flow in cubic ft per second
 - C is unitless and is the discharge coefficient
 - i is rainfall in inches per hour
 - A is Acres

Regarding the "discharge coefficient", we can relate this to the type of surface that is draining. For modern roofs that have the white/reflective roofs we should assume the discharge coefficient equals 1.0. For green roofs, you can use a discharge efficient less than 1.0; I have used a coefficient between 0.5 and 0.7 depending on the thickness of the green roof being proposed.

Roof areas aren't normally measured in "acres" and flow in cubic ft per second doesn't mean much to me. So, we need to convert the units to be measurements that are usable for us on the building-side of code. We want to solve for GPM. We can measure area (in square feet) and we have figures in code of the US map showing rainfall intensity. In the next paragraph, I'll show how to find the GPM/SF based on code-listed rainfall intensities. Let's consider Chicago.

Continued on Page 14

VICE PRESIDENT, LEGISLATIVE, CONTINUED...

In the International Plumbing Code, Chicago is shown to have ~3.25 inches/hour^a of rainfall at the “design hour”. If we assume during that design hour rain falling onto a roof’s surface does not move and stacks, we would find 3.25” of water standing above the roof’s surface at the end of the hour. If we now measure the volume of water within a square foot of roof (3.25” x 1’-0” x 1’-0”), we would find ~2.02 gallons of water^b. This 2 gallons of water fell over a period of 60-minutes, so a rainfall intensity of 3.25 inches/hour can be referred to as 0.0337 GPM/SF. Now we are able to solve for the expected peak flow rate at each roof drain.

The point trying to be made in this article is how to highlight the differences between 2012 and 2015’s code^c. Upon converting the square feet for a rainfall intensity of 4”/hour to GPM, we would find that the 2015 code allows 20-50% more roof capture than the listed roof areas in the 2012 edition. Curious.

On face value, this doesn’t seem correct. For a few years, I had followed 2015 code but opted to size the main leaders leaving the building using the 2012 edition out of an abundance of caution. This was until I discovered Manning’s formula that I understood the difference and the similarities of how the tables for storm drain sizing were established. Manning’s formula can be seen below and was snipped from my personal excel file for calculating velocity^d and flow within parameters I want to test on my designs:

	Manning formula --> $V = (k/n) * R^{2/3} * S^{1/2}$
	Flow formula --> $Q = A * V$
where:	
Q =	quantity rate of flow; cubic feet per second
A =	Cross-sectional area of flow, ft ²
V =	velocity of flow, feet per second
R =	hydraulic radius of pipe, ft
S =	slope of pressure gradient
C =	Hazen-Williams coefficient
n =	manning coefficient, (varies with pipe roughness)
k =	unit conversion factor, 1.486 in english units

Using Manning’s formula and adjusting the pipe’s roughness, n, I have found that the 2012 edition of IPC is assuming a pipe friction of ~0.015^e and the 2015 edition of IPC assumes a pipe friction of ~0.010^f.

To answer the teaser question in the opening of this article, no. I do not think there will be changes made to the Chicago Plumbing Code anytime soon for storm pipe sizing. In the 2020 edition of Chicago Code, I see Table 18-29-1106.3 lists the square foot method for sizing pipes while Table 18-29-1110.1.1D lists the allowable flow through pipes. The numbers between these two tables match if we use Manning’s formula and assume a pipe roughness of ~0.015.

^a Chicago Plumbing Code doesn’t appear to list the rainfall intensity specifically, but the table matches exactly with an intensity of 4”/hour within the International Plumbing Code (2012)

^b Remembering that there are ~231 cubic inches within a gallon is imperative.

^c Assuming you trust my math here. But please do calculate the square feet listed in 2012 as it compares to the flow rates listed in 2015 IPC.

^d A velocity of 2 ft/second is important to hit so pipes can be scoured periodically.

^e From a trusted pipe surface catalog, I have found a friction coefficient of 0.015 can be attributed to aged cast iron

^f From this same pipe surface catalog, I found a friction coefficient of 0.010 can be attributed to aged PVC pipe

What do you think? How have you sized storm drain piping since the release of 2015? Do you size storm drain piping based on the intended pipe material?

If you have questions, or want to discuss, feel free to reach out to me at aspe.chicago.vpl@gmail.com that would be great. I don’t think I’ve shared this to anyone outside of the college course I teach.

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 so far this Spring, I will be continually monitoring this.

Continued on Page 15

VICE PRESIDENT, LEGISLATIVE, CONTINUED...

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

ASPE.Chicago.VPL@gmail.com



VICE PRESIDENT, MEMBERSHIP / AMBASSADOR

Greeting Members,

Despite the weather for our last monthly meeting at Westwood Tavern we still had a good turnout. I am looking forward to this year's product show in conjunction with the PHCC at Dury Lane on March 18th. We have a good line up for presentations this year so come on out and receive your CEUs! Please welcome the following people to the chapter!

- Robert Del Principe
- Michael Kampwirth
- Jessica Johnson
- Chris Costello
- Christopher Swade

ASPE Chicago, is offering one member a chance to earn a free year of membership (\$190). To win the free membership, any active Chicago Chapter member, who is also an engineer, must attend at least 4 meetings to be eligible. You must RSVP on time and be in attendance to the meeting. We will announce the winner at the Steve Triphahn Memorial Golf Outing in June.

Our current membership numbers are steady. We currently have 252 members in the Chicago chapter. If you know of a member that is currently struggling paying dues ASPE does offer a compassion wavier which can help a member out. Please reach out to me if this is a program that you would like to utilize. If you are a manufacturer rep that is starting to visit engineering firms again, please reach out to me if you know of firm that have engineers that are not signed up with ASPE so I can reach out to them.

*******PLEASE READ THIS IF YOU WANT ENGINEERS TO BE ABLE TO FIND YOU AND YOUR PRODUCTS QUICKLY AND EASILY!!!!**

ASPE Chicago has been gathering up VCF contact cards for their engineers to use. This file is generated from (and usable in) Microsoft Outlook. The intent is for our **ASPE Chicago Engineer members to have quick access to search for ASPE Affiliate members AND THE PRODUCTS/MANUFACTURERS THEY REPRESENT.** This is located on the members only portion of the website.

Please see the attached instructions on what our Chapter is looking for. If you would like to have your contact information included for our members, please try and create a VCF file and send it to me.

If you have already provided this VCF card to me THEN PLEASE VERIFY YOU HAVE DONE IT RIGHT by checking our Affiliate Membership Directory here (password is "activeASPEmember!"): <https://chicago.aspe.org/aspe-chicago-affiliate-directory.html>

Please do not hesitate to contact me if you have any questions.

Chicago Chapter Affiliate Members - have you had any changes in your line card recently? If so, PLEASE take advantage of this fantastic member benefit just for you!

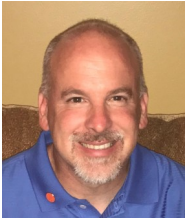
The screenshot shows a Microsoft Outlook contact card for Justin Wroblewski. Red arrows and text boxes provide instructions on how to populate the card:

- Top Right:** "Suggest including a photo" points to the photo field.
- Notes Section:** "Please populate the notes section of your MS Outlook contact to include the following:" points to the notes field. Below this, a list of product categories is provided: "Example: Manufactures Rep", "Product Lines:", "Products: Accessories, Actuators, Air Valves & Systems, Automatic Valves, Carriers, Compressors, Computer Software & Cad Systems, Control, Automatic & Flush Valves, Design Consulting, Disaster Preparedness/Prevention/Recovery, Drains/Drain Systems, Drinking Fountains/Water, Coolers, Faucets, Faucets - Sensor Operated, Fire Protection Equipment, Fire Pumps, Engines, Controllers, Accessories, Fixtures - Stainless Steel, Fixtures - Tubs/Toilets/Basins, Grease Oil & Solids Interceptors, Hvac, Industry Association, Media/Association, Pipe Couplings, Fittings & Systems, Piped Gas Systems".
- Bottom Left:** "Add all the contact info you like. Maybe include a link to your companies line card if posted online?" points to the various address and phone number fields.
- Bottom Right:** "The varies products your company carries. Please utilize the list provided and delete what is not applicable" points to the product list.
- Far Right:** "If you carry multiple manufacturers, please add them to the notes section" points to the notes field.

Stay Healthy,

Justin Wroblewski, CPDT

Chicago Chapter Vice President, Membership / Ambassador
ASPE.Chicago.VPM@gmail.com / aspe.chicago.ambassador@gmail.com / Jwroblewski@ams-pmt.com



VICE PRESIDENT, AFFILIATE

Greetings ASPE Members!

Spring is in the air.... Well it was, then it wasn't, then it was again, then it wasn't..... Ah! March in Chicago!!!!

Mask mandates have been lifted, St. Patrick's Day, March Madness, our first product show in what feels like forever, a touch of normalcy.

I know everyone has been itching to get out and interact with people - the product show is a great place to do that! See new products, say hi to old friends, make some new ones.

The Combined ASPE/ PHCC show should be a fantastic event, be sure to come and see what's new, bring new people, have some fun.. we look forward to seeing you there!

We have a lot of great events coming up! Monthly meetings that have been very well attended! Keep it up! The golf outing this Summer, National ASPE in Indy this fall! Let's make this an Amazing ASPE Year!

Affiliates, Please remember, I am your voice to the ASPE board, if you have anything you would like to be brought up to the board, please let me know. I will be happy to present your concerns, comments to our board.

Stay Safe and Healthy!

Darren Rich

Chicago Chapter Vice President, Affiliate

P# 847.421.0053 aspe.chicago.vpaff@gmail.com



ADMINISTRATIVE SECRETARY

Hello ASPE Chicago,

Have you had enough of this freezing weather yet? I am sure all our HVAC Systems could use a break from this winter, let alone our shovels and backs. We have quite a lot to look forward to this month and throughout the year. With our volunteer opportunity on the 11th of this month at Feed My Starving Children (FMSC) for World Plumbing Day as well as our Combined ASPE/PHCC Show this month, March alone will be exciting. However, don't forget the National Convention in Indy later this year!

Congratulations to the following winners from our February meeting!:

- Justin Worblewski - 50/50 Raffle Winner
- Morris Lieberman - Door Prize Winner
- Ryan Baumgartner - Free Dinner Winner

I hope everyone is staying healthy and safe during this time. Please be on the watch for the different mailings that will be sent out to inform you of different events going on this year.

Sincerely,

Phil Traynor, HSA

Chicago Chapter Administrative Secretary

aspe.chicago.admsec@gmail.com

ATTENTION MANUFACTURERS AND MANUFACTURER REPS!

**ADVERTISEMENT SPACE IS NOW AVAILABLE IN THE
CHICAGO ASPE MONTHLY NEWSLETTERS!**

NEW LOWER AD SPACE PRICING IS AS FOLLOWS:

Full PAGE AD.....\$200

1/2 PAGE AD.....\$125

1/4 PAGE AD.....\$75

**DON'T MISS OUT ON THIS GREAT OPPORTUNITY TO REACH OUT TO THE CHI-
CAGO ASPE COMMUNITY CONSISTING OF ALMOST 700 VIEWERS—ONE OF
THE LARGEST MARKETS IN THE INDUSTRY!**

**AD SPACE IS VERY LIMITED AND IS FIRST COME, FIRST SERVED SO
DON'T DELAY!!**

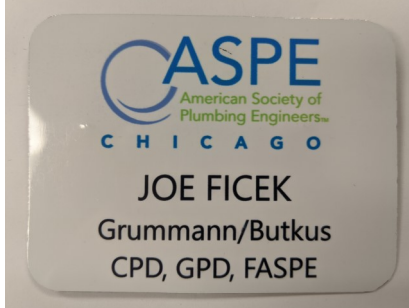
Please contact Darren Rich for more information: P# 847.875.8659

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!

CORRESPONDING SECRETARY: INDUSTRY NEWS

Thank you to everyone that made it out in the snow last month, it was a great meeting! Is Spring finally here? Or is this just mud season and we get back to winter and false spring and then real spring? We've got our big ASPE Chicago/ PHCC show coming back and I hope to see you all there. Also, thank you to all of our volunteers coming out for the World Plumbing Day -- Feed My Starving Children event!

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

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)

<https://www.asse-plumbing.org/asse/midyear>

2022 ASSE International Mid-Year Meeting
April 5th-7th at the Chicago Plumbers Local 130 Campus
1400 W. Washington Blvd, Chicago, IL 60607

American Institute of Architects (AIA)

Eastern Illinois Chapter

2022 AIA EIC Regular CEU Presentation & Dinner
Date: March 30th
Time: 6pm - 9pm
Location: Gatto's Tinley Park 8005 W. 183rd St., Tinley Park, IL 60477
INFO: <https://aiaeic.org/meetinginfo.php>

Illinois Chapter of ASHRAE

<https://illinoisashrae.org/>

Chapter Meeting
Currently only Chapter membership meetings

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

Contractors can register for CEUs here
<https://www.ilphcc.com/>

National Fire Protection Association (NFPA)

Event List: <https://www.nfpa.org/Training-and-Events/Resources/Events-calendar>

Society of Fire Protection Engineers (SFPE)

No Upcoming Events At This Time <http://www.chicagosfpe.org/join-us/events/>

Illinois Rural Water Association (IRWA)

IRWA Northern Conference
October 10th and 11th
Radisson Hotel and Conference Center
<https://ilrwa.org/>

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, Inland Sales Group

Chicago Chapter Corresponding Secretary
aspe.chicago.cspsec@gmail.com

National Rural Water Association (NRWA)

No Events in Chicagoland Area
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