



Summer 2024 Volume 43 Issue 10

Chapters are not authorized to speak for the Society

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AMERICAN SOCIETY OF
PLUMBING ENGINEERS
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Chapter AYP Liaison
OPEN

Chapter WOA Liaison
OPEN

20th Annual Dragons Outing

Date: FRIDAY, July 12, 2024

Location: Day Air Ballpark

Fifth Third Field
220 N Patterson Blvd
Dayton, OH 45402
Tel 937.228.2287

SEE ADVERTISEMENT IN NEWSLETTER

PAGE 11

Schedule: 7:05 First Pitch

Reservations: See Andrew T Monnig for tickets

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LOOKING AHEAD

Chapter Meetings to be held at Countryside YMCA, Lebanon, OH unless noted otherwise.

July 12, 2024 Dragons Game – Fifth Third Field

September 17, 2024 TBD

The ASPE Newsletter is published by the Southwestern Ohio Chapter of the American Society of Plumbing Engineers. Opinions expressed herein are those of the authors and do not necessarily reflect the views of the Society, the Chapter or the Editor.

## Presidential prose...



I am writing this article on Sunday with a huge smile on my face following the incredible success of the Region 2 Presidents' meeting. Special thanks to Brian Fraley for chairing the committee to pull this off and pull it off we did. We had representatives from all 13 Region 2 Chapters and even some National Society Board members were in attendance. Folks met up at the UD Marriott and were shuttled to Carillon Historic Park where they were presented with an amazing museum full of Dayton history. While everyone took in the museum, we provided a 3 piece bluegrass band along with drinks and hors d'oeuvres to set the mood. After learning about National Cash Register, Huffy, and the Wright Brothers we boarded the carousel for a group photo.

Everyone was massively complimentary of our local area and were even starting to plan their family vacations to Dayton.

Thanks to McWane Plumbing Technical Services, Kohler Co, Pinnacle Sales, Tyler Pipe & Coupling, Anaco-Husky, Viega, AB&I Foundry, and MedPipe for their support of the event. We truly could not have provided such a memorable time without your help.

Now that we're through that event, on to the next one! We'll be meeting in Dayton once again for our annual Dragons Night. Check the website for details and tickets.

Lastly, the ASPE Convention & Expo will be in Columbus in October. This is ASPE's biannual event that brings together thousands of engineers and manufacturers. The last Expo featured over 250,000 square

feet of event space, will products ranging the entirety of the plumbing industry. With such easy access to this event (you can drive home at the end of the day if you want) I hope to see great turnout from the Southwest Ohio Chapter.

### Upcoming Events:

Dayton Dragons Night – July 12, 2024

ASPE Convention & Expo 2024 – October 18-23, 2024 - Columbus, OH

Thanks for being here, we like having you.

– **Andrew Hemmelgarn**  
**President**

A promotional graphic for ASPE Young Professionals. It features the ASPE logo (American Society of Plumbing Engineers) in the top left. The main text reads "ASPE YOUNG PROFESSIONALS" in large, bold, blue letters. Below this, it says "Learn more about our group!" in bold black text. A paragraph follows: "AYP is dedicated to the needs of plumbing designers 35 years old and younger. Your local ASPE Chapters have been busy organizing exciting opportunities to help you excel in your career:". This is followed by a bulleted list of benefits: "» Partnerships with other industry groups", "» Social and networking events", "» Professional development opportunities", "» Mentoring programs", and "» And more!". At the bottom, it says "For more info visit: aspe.org/ayp" and features the ZURN logo with the text "Exclusive AYP Sponsor" above it.

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American Society of  
Plumbing Engineers

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YOUNG  
PROFESSIONALS**

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about our group!**

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- » Partnerships with other industry groups
- » Social and networking events
- » Professional development opportunities
- » Mentoring programs
- » And more!

For more info visit: [aspe.org/ayp](https://aspe.org/ayp)

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## Technically Speaking...

The Southwestern Ohio Chapter would like to wish a

*Happy Birthday*

to the following members celebrating their birthday in July or August:

Josh Cable, Carl Christy, Tyler Crone, Kyle Gordon, Dan Heiskell, Andrew Hemmelgarn, Bryan Hill, Denny Lammers, Oksana Lysenko, Bill McCamey, Eric Nash, Michael Perry and John Williams

And the Chapter would like to wish a

*Happy Anniversary*

to the following members commemorating their ASPE anniversary in July or August:

Steve Ashpaw, Ron Bartley, Bill Berger, Chris Carter, Bobby Davidson, James Fiorini, Suellen Hugan, Derek Koogler, Thomas Mastbaum, Pat Murphy, Benjamin Scott and Ryan Voss



Technically Speaking

Summer officially kicks off this week, and the weather is certainly reminding us. As we take our break from regularly scheduled meetings, I want to remind everyone that we will be building the 2024-25 seminar schedule during this time. This year we are truly aiming to build out the most useful meeting agendas yet, and that means we want to hear from you! If you have a suggestion on topics or speakers, or if during your work a manufacturer comes to mind that you believe ASPE should learn more on, please email me:

[samuelc@campbellequipment.com](mailto:samuelc@campbellequipment.com)

Non-affiliated event worth noting:

May's presenter, Meditrac, is hosting an independent event on July 16<sup>th</sup> at Dave & Buster's Springdale—Cincinnati 11775 Commons Drive Springdale, OH 45246 where they will be discussing staying up-to-date with medical gas codes and standards. Members of ASPE Southwest Ohio are eligible to earn CEU credits for attending. Tickets will be required for entry. You can register by clicking [here](#). Please reach out to [jackson.russo@omegaflex.com](mailto:jackson.russo@omegaflex.com) for more info.

Stay cool out there,

– **Samuel Church**  
**VP, Technical**

Looking to stay in touch  
with the Chapter



[www.southwestern-ohio.aspe.org](http://www.southwestern-ohio.aspe.org)

# Legislative lingo...



**New Ohio Codes in effect now!**  
 The Plumbing Code with Ohio Amendments can be found on ICC website here: [Ohio Building Codes - ICC Digital Codes \(iccsafe.org\)](http://ohio Building Codes - ICC Digital Codes (iccsafe.org))  
 The red text is added by Ohio to the 2021 IPC.

To keep with the ADA theme from last month, I will attempt to clarify the “non-positive shut-off feature” located in ICC A117.1 Section 607.6 (Bathtubs) and 608.5 (Shower Compartments) for both 2009 and 2017 versions. There has been some confusion on what this means as it is not clearly defined. To put it simply, picture a button on the side of a handshower that “stops” the flow of water. This button doesn’t fully stop the water (non-positive shut-off) and there is still water that passes through. The intent of this, as best I can find, is to prevent dirty tub water from contaminating the potable water supply. The non-positive has nothing to do with the valve or diverter, just the hand shower at the end of a hose.

**608.5 Hand showers.**

A hand shower with a hose 59 inches (1500 mm) minimum in length, that can be used both as a fixed shower head and as a hand shower, shall be provided. The hand shower shall have a control with a **non-positive shut-off feature**. Where provided, an adjustable-height hand shower mounted on a vertical bar shall be installed so as to not obstruct the use of grab bars. A means to hold the hand shower wand while in the on or off position shall be located at a height of 38 inches (965 mm) minimum and 48 inches (1220 mm) maximum above the shower finish floor.

– **Jeremy M. Williams PE, LEED AP BD+C**  
**VP, Technical**

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## Membership musings...



### Membership!!

Summer is upon us, hopefully you all have been able to enjoy some time doing something fun this season or will be soon. I am certainly thankful that our local pool is open and it looks like we've got some sizzling temperatures coming next week to make it all the better.

Our next chapter event is Friday, July 12<sup>th</sup> for the 20<sup>th</sup> Annual Dayton Dragons Night! I'm looking forward to hanging out with you all for a fun evening of baseball and camaraderie.

The following members renewed in April and we'd like to acknowledge them for their continued support to our local chapter: Bill Berger, John Graves, Benjamin Scott and myself. Thank you all!

Our total membership is down slightly this month due to the limited renewals. We're at 104 members. Summer is a busy time for everyone so we will hopefully see those bump back up next month. We have 56 Full members, 16 Associate members, 29 Affiliate members, 2 Life members, and 1 Retired member.

Total Membership		
	July 23'	June 24'
Buffalo-Niagara	41	44
Central Indiana	119	126
Central Ohio	102	113
Cleveland	92	91
Eastern Michigan	101	109
Evansville	31	37
Johnstown	28	29
<b>Kentucky Bluegrass</b>	27	30
Pittsburgh	95	97
Rochester	68	85
<b>Southwestern Ohio</b>	100	104
Toronto	108	110
Western Michigan	86	85
Region 2 Total:	998	1060

Thanks,

**– Brian Selander  
VP, Membership**



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Through the pipes...



• [Registration is open for the 2024 ASPE Convention & Expo](#)

Thousands of plumbing industry professionals will gather in Columbus, OH this fall for the 2024 ASPE Convention & Expo. Will you be one of them? Don't miss this opportunity to make new contacts, discover new technologies, learn new skills, and earn CEUs...all in a few short days. Go to [expo.aspe.org](http://expo.aspe.org) to find out which of the industry's top manufacturers will be exhibiting and register today.



• [WOA seeks applicants for Its 2024 Convention & Expo Scholarship](#)

The Women of ASPE (WOA) once again is offering a scholarship to help a deserving member attend the ASPE Convention & Expo. It will include a one-year membership renewal, full registration to the 2024 Convention & Expo, airfare, hotel, transportation, and meals. The deadline to apply is July 31. [Apply now>>](#)

• **American Gas Safety (AGS) offers a free webinar for plumbing design professionals**

The AGS wanted to extend an invitation to the following webinar. It is free to attend, lasts approximately an hour, and you'll earn 0.1 CEU ASPE credits (equal to 1 PDH).

**Gas Safety & Controls in Academic & Commercial Properties**

Gain expertise on Gas Safety Control Code Requirements, Best Practices, and Design Considerations in academic and commercial buildings.

July 10 at 12pm EDT

[https://us02web.zoom.us/webinar/register/WN\\_FoBre0-CQDmZP7s-7tTwKQ](https://us02web.zoom.us/webinar/register/WN_FoBre0-CQDmZP7s-7tTwKQ)

July 12 at 2pm EDT

[https://us02web.zoom.us/webinar/register/WN\\_666ZjtJvRyir9PnPXH7BQw](https://us02web.zoom.us/webinar/register/WN_666ZjtJvRyir9PnPXH7BQw)

• **The ASPE Philadelphia Chapter's Plumbing Design School Is back for 2024**

On Mondays at 6:30 pm EDT, starting on September 16, 2024, the Philadelphia Chapter will hold its annual Plumbing Design School virtually. In Plumbing One, learn about local plumbing codes, plumbing math, pumping and fire protection system fundamentals, and more. Plumbing Two will cover



sizing fundamentals, master mixing valves, and medical gases/NFPA 99, plus more. Registration will open at [aspephilly.org](http://aspephilly.org) in August.



• [MedGas Training now offered online](#)

Thanks to ASPE's partnership with MedGasCards.com, you can now get the 32 hours of training you need for ASSE 6060 certification entirely online. [Learn how>>](#)

• **ASPE and IAPMO co-publish White Paper on Capacities of Stacks and Horizontal Drains in Storm Drainage Systems**

The American Society of Plumbing Engineers (ASPE) and the International Association of Plumbing and Mechanical Officials (IAPMO) announce the publication of White Paper 2-2024: Capacities of Stacks and Horizontal Drains in Storm Drainage Systems.

The sizing for storm drainage systems depends on flow capacity equations used to calculate velocities and flow rates in pipe conduits. One of the variables in the equations is the coefficient of roughness. This white paper explores how the roughness of different types of material will change the computational results that are dependent upon the roughness coefficient of the pipe.

You can download the IAPMO/ASPE white paper for free at [iapmo.org/media/32393/pipe-sizing-storm-drainage-systems-white-paper.pdf](http://iapmo.org/media/32393/pipe-sizing-storm-drainage-systems-white-paper.pdf).



● **ASPE's Book of the Month** program continues with [ARCSA/ASPE/ANSI 78-2023: Stormwater](#)

[Harvesting System Design for Direct End-Use Applications](#) (eBook version)

Through June 30, 2024, you can purchase the digital edition for 25% off the regular member price. Just enter the coupon code **summertime** when you check out.

The discount is only valid on the digital version of the publication, and the coupon code can only be used once. If you are purchasing multiple items, the discount will be applied only to the assigned publication.

Don't forget to enter the coupon code when you check out to receive the discount.

## Around the water cooler...

● After a brief break, we are back with another water cooler conversation to consider. When can **you daylight the discharge from a primary interior storm drain** system? An inquiring Cooler wants to know:

*My supervisor is asking me if the UPC requires us to discharge the primary storm drain to underground and if yes, where in the UPC section tells us that it is a requirement. The Architect, which is our client, is asking us if we can daylight the primary storm drain and one of the plumbing designers told my supervisor that if it goes through the space, it can't daylight to grade, it would have to connect underground. I was just wondering if this is a code thing- I've never heard of that; in the IPC and other places, I know you can daylight roof drains as long as you do it in a place that's not a right-of way/ sidewalk or something. Could you please enlighten me on this?*

We don't often delve into the UPC, but when we do, we often find similarities between it and the IPC. As you did not indicate which edition of the UPC is in force or the building type for your project, we'll assume it is the 2021 edition and something other than a 1- or 2-family residential unit. So for this case we turn to UPC 1102 (as always, highlight ours):

**1102 Where required.** Roofs, paved areas, yards, courts, courtyards, vent shafts, light wells or similar

areas having rainwater shall be drained into a separate storm sewer system, or into a combined sewer system where a separate storm system is not available, or some other place of disposal satisfactory to the Authority Having Jurisdiction...

So if the Architect is determined to daylight the interior storm drain system to grade, you will need to take the matter to the AHJ for consideration. With that said, let's dwell on some general thoughts on the subject.

If one wishes to daylight the primary storm drainage system, it may be possible. However, the discharge point must be above the exterior grade or extended via the storm sewer to a point in the local topography where it can discharge above grade. But one must consider the intended discharge point. The discharge point should not create a public nuisance by flowing water across a parking lot or walkway nor should it create a standing water pool or any other hazard.

Daylighting the secondary is considered normal, as a safety feature on the design. In this case, daylighting allows someone to observe that the secondary is operating, which is an indication that there is a problem with the primary system. But, it is normally expected that the primary building storm drain will discharge to the building storm sewer. And sewers are normally expected to be below grade. Hence the primary would not normally daylight at the building.

As the building storm sewer becomes the responsibility of the civil consultant, we normally do not involve ourselves with where or how it discharges.

## Parting thought...

Welcome June. May this month bring with it...

Its own sunshine.

Its own beauty.

Take time to enjoy the little things that make life simply grand.

May the warmth of the sun bring a new energy, a new strength and a new beginning to you.

May peace, love, hope and happiness always surround you, and pure love and light shine within you.

**-Unknown**

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### **Join us for the 20<sup>th</sup> annual Dragons Night!**

Mark Friday, July 12 on your calendar for the annual ASPE night at the Dayton Dragons Game! Party Deck with seating for 50+ is reserved for the 7:05 PM game against the South Bend Cubs.

Anyone who has attended previously can attest to the great time had by one and all. This year expect more of the same all fun. We are looking forward to another great evening on Friday, July 12. Friends and family are welcome of course and anyone who wishes to participate in the raffle. Could be rewarded with one of the many great prizes. Tickets are only \$18 each.

Dinner and beverages area again being provided by our generous affiliate members. Food and ticket sponsorships are still available.

This year, sponsorships and tickets can be paid thru the Southwest Ohio ASPE website: [southwesternohioaspe.org](http://southwesternohioaspe.org)

Please contact Andy Monnig via email at [atmonnig@heapy.com](mailto:atmonnig@heapy.com) for any questions.

We are looking forward to seeing everyone at the game.


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## Cold Water Recirculation



Last year, we implemented our thermal actuator technology into the CircuitSolver® Union Cold Water balancing valves. These valves are installed in domestic Cold Water recirculation systems to mitigate the risk of Legionella and other bacterial growth. Cold water recirculation is becoming more prominent in hospitals to reduce water stagnation and ensure residual chlorine is distributed but can be beneficial to any commercial building that could experience periods of low flow or non-use.

