

Chapters are not authorized to speak for the Society, the views and opinions of this Chapter are those of the respective authors and do not necessarily reflect the official policy or position of the Society or its staff.



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FEBRUARY 2022

TOPIC: HOW TO CIRCULATE INTO A ROOM, COMPLY WITH IECC CODES & MINIMIZE LEGIONELLA

PRESENTER: CRAIG BOYCE - KEMPER WATER CONTROL

**WHEN: WED., FEB. 9th
11:45 am - 1:30 pm**

WHERE: VIA ZOOM MEETING @
<https://moseleyarch.zoom.us/j/95282350445>
(highlight web address then right click & select Go To...)

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jlandis@moseleyarchitects.com

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tina.capece@masonandhanger.com

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Eric Geisendaffer - Bay Associates
eric@bayassociates.com

GREETINGS FROM THE PRESIDENT

President's Message....

Happy Valentine's Day from your ASPE Chapter family!

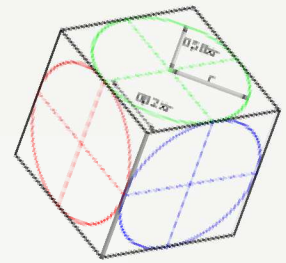
Please be sure to keep us in mind if you or anyone you know would like to advertise job opportunities in our newsletter or present during one of our chapter meetings. We are booking next season (2022-2023) at this point and spots are beginning to fill quickly.

I look forward to seeing everyone tomorrow for the virtual monthly meeting, Wednesday the 9th. If you need the virtual zoom meeting invitation please let me know and I'll get it to you as soon as possible.

As always, if you have any questions, comments or concerns, please do not hesitate to reach out to me or anyone on the board.



**JOSHUA H. LANDIS, CPD
PRESIDENT, ASPE RICHMOND CHAPTER**



Presentation Lineup

(VIRTUAL VIA ZOOM UNLESS OTHERWISE NOTED)

- **March 9**
 - **Smart Water Management for Improving Safety and Efficiency in Plumbing**
 - **Edwin Gonzales with George Fischer**

- **April 13**
 - **Digital Mixing Stations**
 - **Dan Tomlinson with Armstrong**

- **May 11**
 - **TBD**

VP MEMBERSHIP - ROB GRUBBS



It's never too late to join ASPE! The monthly meetings are just one of the advantages to becoming a member. Current members, please encourage your colleague's to attend our monthly meetings and consider joining the ASPE family. Visit <https://www.aspe.org/join> for more information.

Is Your ASPE Membership About To Expire?

Be on the look-out for your reminder notice to renew and/or go directly to <https://www.aspe.org/membership-global-community/join/>. See options for multiple-year and early-renewal along with other useful information.

From Jason S.A. McDonald, CPD, ASPE VP Membership

Hello All,

I hope you are aware of the multiple membership forms available on the ASPE website. (If not, you WILL be after reading this.) As ASPE Officers, we need to know about these so we can help our members when they want to make changes or updates to their memberships.

You can find these forms in both the Members Only section and the Chapter Officers section of ASPE's website. (You need to be logged in to access these sections. If you don't know how to login to your account, please see this discussion in the Membership Council Community on ASPE Connect.)

If you scroll down on the Members Only page, you will see Membership Applications and Forms. I'll discuss some of the most valuable below.

Membership Applications and Forms



Application for Compassion Waiver of Society Dues



ASPE Industry Award Nomination Form



Membership Application for Advancement



ASPE Honor Roll of Employers Nomination Form



Application Package for Candidates to the ASPE Board of Directors (pdf)



Proposed Bylaws Amendment Form (download)



Nomination Form for Life Membership



ASPE Code Change Submittal Form

Application for Compassion Waiver of Society Dues

- If a member is unable to pay dues on time due to being out of work or other financial issues, this waiver gives them a three-month grace period. (Please note that ASPE also currently gives a 90-day grace period to pay dues.)
- A Compassion Waiver of Dues will only be granted for a three-month increment maximum, with a maximum amount of four waiver renewals permitted. It shall be the responsibility of the member and their Chapter President to immediately inform the Society when the condition for which the Compassion Waiver of Dues has been granted ceases to exist.
- For a member to maintain their ASPE membership after the maximum amount of waivers, the past dues for that time must be paid in addition to the upcoming year's dues.
- It is VERY important that members who wish to participate in this program submit the form BEFORE their membership lapses. If they let their membership lapse, this waiver is not available to them as they no longer would be considered a member.
- A letter from the Chapter President must accompany each waiver application, even for the renewals.

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Membership Application for Advancement

- Quite simply, this is used when a member wants to change their membership category.
- For example: A member whose main job responsibility is sales (Affiliate) takes a job with a consulting engineering firm (Associate or Full). Note that if someone wishes to change to Associate or Full member, they must provide enough experience/education information for ASPE to determine eligibility.
- Note: Unless an Associate member passes the PE or CPD to make their equivalent job experience meet or exceed the eight-year minimum for Full member, this form is not required for them to advance from Associate to Full. Why not? When the Society VPM reviews new member applications, for those applicants who are assigned as an Associate member, a corresponding "Plus Years" is included so they will automatically advance to Full member when that number of years has passed. If you would like additional information, please let me know.

Nomination Form for Life Membership

- When a Chapter determines that a member is deserving of an ASPE Life Membership, this is the form that needs to be completed and submitted.
- A letter confirming that the member is retired is required.
- If a member retires from a firm/their place of employment, but still intends to work independently (in the plumbing engineering and design field), then they do NOT meet the definition of "Retired" and are not eligible for a Life Membership.

Additional Membership Items

- Change of Chapter Affiliation: If a member has moved or otherwise wants to change the Chapter with which they are affiliated, they can do it easily online. Once the member is logged in to aspe.org they can click on My Account at the top of the page, and then My Profile. On the profile page, click Edit, make the change, and then click Save.
- Multiple Chapter Member: A current ASPE member may join additional Chapters at a reduced rate of \$80 annually per additional Chapter. After logging in on aspe.org, they can click on Join/Renew and then click on Renew Membership. After confirming their contact/personal information, under Memberships - All Chapters, there is an Add New Chapter button they should click.

ADD NEW CHAPTER

To change home chapter affiliation, go to the "my account" section of your account and edit your profile.

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- Update Membership Classification to Retired: This cannot be done online. The member must contact the Society at either membership@aspe.org or 847-296-0002 and be able to provide documentation confirming their retirement.

Hopefully this information helps you assist your Chapter members. If there are other topics you would like to discuss or learn more about, or if you have questions or comments about this message, please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "Jason S.A. McDonald".

Jason S.A. McDonald, CPD

ASPE Vice President, Membership 2020–2022

aspevpm@aspe.org

VP MEMBERSHIP - ROB GRUBBS

WELCOME!

We are happy to welcome the following new member

No new members for this month.
Would any of your colleagues be interested in
joining the Richmond Chapter family?

LET'S CELEBRATE!



BIRTHDAYS

Patrick O'Neil	2/1
Charlie Hockett	2/14
Josh Landis	2/17
Timothy Lawton	2/27
Alex Hammond	2/29

ANNIVERSARIES

John Cain	2/19/1992
Jay Otto	2/28/1996
Eric Scott	2/25/2009
Kim Griffin	2/25/2015
Anthony Pugliese	2/22/2021
John Sharp-Stevens	2/22/2021

**ASPE
YOUNG
PROFESSIONALS**

16 FEB | 12 PM

Guest Speaker:
Mark Allen

Hosted By:
ASPE Education
Zoom Meeting



NFPA 99 2021 Changes & Instrument Air Updates

Attendance is **FREE** for ASPE Members, and **\$5** for nonmembers

[CLICK HERE TO REGISTER](#)



Mark is a member of the NFPA 99 Technical Committee on Piping Systems and is well known as the author of the "Medical Gas Design Guide". He served as the VP of Education and Standards in the Medical Gas Solutions Division of Atlas Copco. He is responsible for many of the tools used today for medical gas design, including the BMed PipeSizer mobile app and online platform.

With his extensive background in Medical Gas, he will guide viewers through the NFPA 99 2021 Code Changes. Some extra attention will be focused on one of the most anticipated changes, the updated line pressure requirements for NFPA grade Instrument Air, and its uses within a hospital.

REGION 1 ASPE YOUNG PROFESSIONAL LIAISONS

Nikita Patel
Baltimore

Amy Gebhardt
Boston

Jacob Otto
Hampton Roads

Jean-Nicholas Beaudoin
Montreal

Jacob Schragar
Philadelphia

Patrick Dwyer
Washington D.C.

Roger Schultz
Blue Ridge

Mike Jacobsen
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Tara Dollinger
Long Island

Daniel Blatto
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Eric Geisendaffer
Richmond

INDUSTRY OPPORTUNITIES

Brandt Engineering INC.

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A growing Richmond, Virginia Mechanical, Electrical and Plumbing firm seeking a Plumbing Designer/Engineer to manage and coordinate project design with clients.

Responsibilities

Develop construction documents in both AutoCAD and REVIT. REVIT not a necessity but willing to learn. Design new/renovation projects and include sizing domestic water, sanitary, vent, storm, and gas piping systems. Design knowledge in fire protection recommended. Review shop drawings, RFI'S and coordinate with other disciplines along with attending project meetings.

Qualifications

- CPD preferred.
- Four plus years of commercial plumbing design experience.
- Have a vast knowledge of the plumbing and architectural codes.
- Good communication skills to coordinate with other disciplines, architectural team members and function in a collaborative environment.
- Knowledge base in Word, EXCEL, and other related software.

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Contact

David Moore CPD

(804)794-6656

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High Volume Tepid Water Delivery System

The Model EMV is a fully packaged system designed to meet the requirements of ANSI/ISEA Z358 for tepid water delivery to an emergency drench system. This heavy-duty water heater is constructed using a carbon steel tank and internally lined with ½' thick Hydrastone.



- ☉ Hydrastone cement lining provides tank longevity
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- ☉ Copper-silicon alloy tappings cannot rust or corrode
- ☉ Mixing valve designed specifically for emergency drench systems ensures a constant flow of tepid water
- ☉ High impact composite jacket cannot rust or corrode

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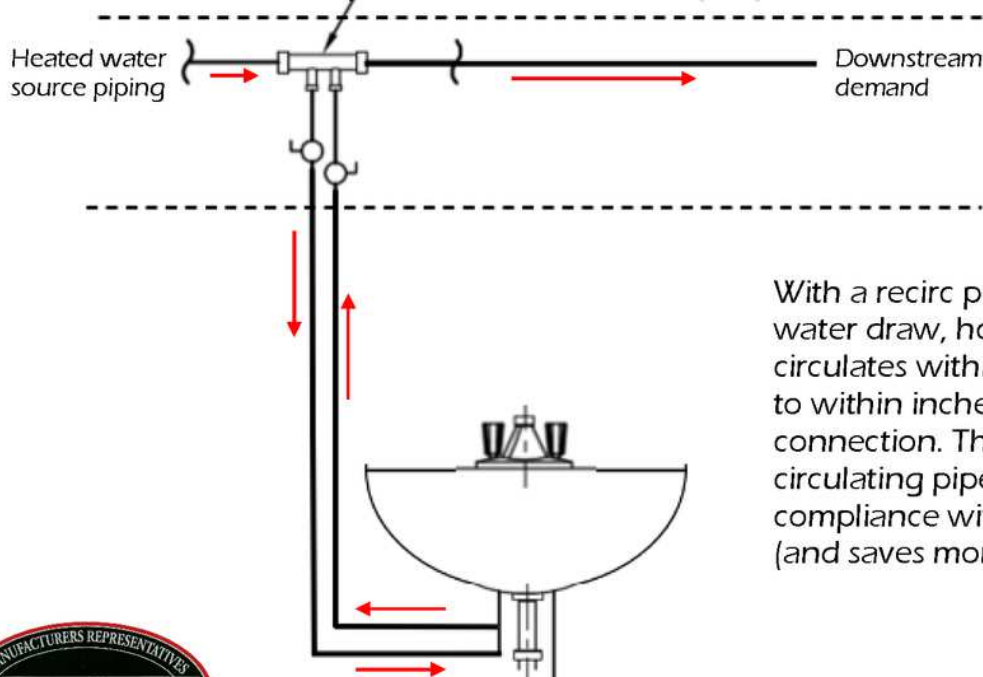
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How to comply with the Energy Code C404.5.1 (requiring a maximum of only 24" of non-circulating pipe length).

The **Kemper Flow-Splitter** gives the designer the ability to route smaller circulation loops to public lavs and other fixtures from the primary heated water source. It's a 'no-brainer'.



Flow-Splitter
Figure 651 06 XXX



With a recirc pump or downstream water draw, hot water automatically circulates within the connected loop to within inches of the fixture connection. This minimizes non-circulating pipe lengths for compliance with the energy code (and saves money).



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KEMPER
WATER CONTROL SYSTEMS

ASPE Design Guide Volume 4 Chapter 4

“The goal of the designer should be for the system to operate with as little energy as possible for a given demand.”

“At no time is a booster at 100 percent flow based on Hunter’s diversity curves”

“When selecting the total flow capacity, one preferred way to evaluate the operational efficiency is to use a method that can be scientifically proven, such as the 70 percent method.”

“Tanks will typically be required when the manufacturer does not utilize low flow testing algorithms to detect low flow”

“New energy standards concede that reducing the speed of a pump during most of its operational time and restarting for makeup loads is more efficient than using tanks as “water storage batteries” during low-flow conditions.”

** The above is taken from American Society of Plumbing Engineers design guide volume 4 chapter 4**

Thank You for your support!



Your Trusted Partners

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QuantumFlo received the 2020 ASPE Industry Award

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Mike McCarthy | Technical Manager
Mike.McCarthy@Viega.us, (571) 328-1143

Based in the Northern Virginia D.C. Metro area, Mike formerly worked for a fire protection manufacturer and was a volunteer firefighter. Mike holds a Business Degree with a specialization in entrepreneurship and brings strategic business planning to the Viega team.

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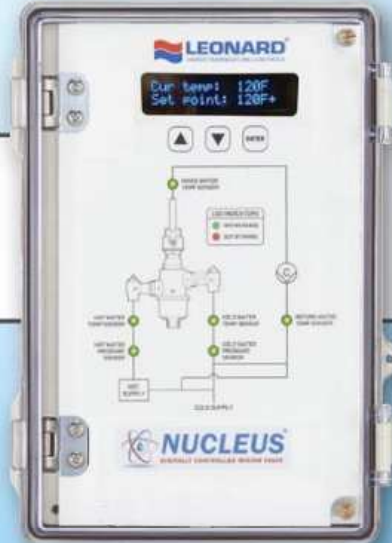
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ASPE Member \$375

Non-Member \$450

Half Page Newsletter (per season)

ASPE Member \$275

Non-Member \$350

Business Card Newsletter (per season)

ASPE Member \$75

Non-Member \$150

Meeting Tabletop Costs

Per Meeting

ASPE Member \$80

Non-Member \$100

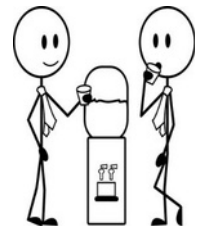
Per Year (8-9 Meetings)

ASPE Member \$450

Non-Member \$550

TALK AROUND THE WATER COOLER...

Check-out these sites for interesting and educational topics & tools to stay up to date!



ASPEPipeline

News for the Plumbing System Design Industry

1. Get Your GPD Certificate at Your Own Pace

We are pleased to announce that our popular Green Plumbing Design (GPD) certificate program is now available entirely on demand on ASPE Education. This new self-paced online program will enable you to earn your GPD certificate at your own speed, in your own timeframe, while refining your sustainable design skills in solar water heating, temperature maintenance, and rainwater and graywater systems.

Go to [ASPE Education](#) to sign up and get started today!

2. Registration Is Open for This Year's CPD Exam

For those who would like to earn the Certified in Plumbing Design (CPD) credential this year, the exam will be held via remote proctor on April 11-22. To determine if you are eligible, visit [aspe.org/education-credentialing/cpd/exam](https://www.aspe.org/education-credentialing/cpd/exam).

3. Congratulations New CPDTs!

We are pleased to announce that more than 30 plumbing designers who took the 2021 exam have earned the Certified Plumbing Design Technician (CPDT) credential! You can find the list of new CPDTs on [ASPE Pipeline](#). A special shout out to our own Anthony Pugliese, CPDT. **Congratulations Anthony!!**

BE SURE TO CHECKOUT THESE COLUMNS FOUND IN PIPELINE EXCLUSIVES SECTION:

[HTTPS://WWW.ASPE.ORG/PIPELINE/CATEGORY/PIPELINE-EXCLUSIVES/](https://www.aspe.org/pipeline/category/pipeline-exclusives/)



WHAT IS THE BEST WAY TO BECOME YOUR COMPANY'S REVIT GURU?

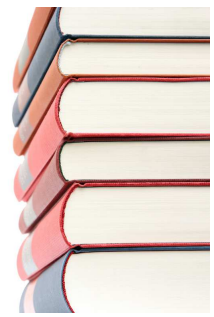
Your boss suddenly tells you to learn Revit with little guidance or support. Where do you start? Our experts provide some direction in the latest [Current Connection](#).



LET'S INSPIRE, LET'S IMPROVE, LET'S LEAD

ASPE's Executive Director/CEO explains what it mean to be a Leader in his January 2022 column. Go to [Current Connection](#) to continue reading.

EDUCATION STATION



REMINDER! ASPE revamped their learning platform!! The new site is education.aspe.org. All educational programs and articles have transitioned over to the new site now. If you are looking to earn CEU's and/or enhance your skills and knowledge then this is the site for you! Once in the site Sign in (top right) using your ASPE Connect credentials. If you have not activated your ASPE Connect credentials, go to this link to reset your ASPE Connect password: <https://connect.aspe.org>.

NEW WEBINAR SERIES FROM ASPE AND IAPMO IS OPEN FOR REGISTRATION



ASPE is excited to announce that we have partnered with the International Association of Plumbing and Mechanical Officials (IAPMO) to provide three new webinars this spring. Each webinar is just \$39, and registration is available at iapmolearn.org.

- **April 1, 2022: Net Zero Plumbing: Addressing the Water, Energy, Carbon, and Nutrient Crises**
- **April 14, 2022: Water Quality 101: Theory and Practice**
- **May 2, 2022: New Perspectives on Water Quality: Is Water Hammer and Air in Domestic Water Pipe Causing Corrosion?**

Interested in obtaining CEU's?

Go to <https://education.aspe.org> and select one of the categories OR click the Education Catalog link to access:

- On-Demand Webinars
- Read, Learn, Earn Articles
- Free for ASPE Members
- + More

Trying to determine which CEU's you've already earned?

Go to <https://education.aspe.org>, Sign-In and select My Education for all your information.



NO BOOK OF THE MONTH FOR JANUARY & FEBRUARY 2022