

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.



February 2024

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TOPIC: WATER HARVESTING: MAINTAINING HIGH WATER QUALITY & COMPLIANCE WITH STATE AND LOCAL CODES

PRESENTER: BENJAMIN SOJKA - RAINWATER MANAGEMENT SOLUTIONS

HOSTED BY: THE JOYCE AGENCY

**WHEN: WED., FEBRUARY 14th
11:45 am - 1:30 pm**

**WHERE: THE CULTURAL ARTS CENTER AT GLEN ALLEN
(The James River Ballroom)
2880 Mountain Rd, Glen Allen, VA 23060**

VIA ZOOM MEETING @

<https://moseleyarch.zoom.us/j/83922360996>

(highlight web address then right click & select Go To...)

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Eric Geisendaffer - Bay Associates
eric@bayassociates.com

GREETINGS FROM THE PRESIDENT

President's Message...

Happy Valentine's Day and Thank You to everyone that was able to make it out to our January meeting. We are beginning to ramp up bookings for our 2024-2025 season now, so if you or anyone you know are interested in presenting, please reach out to me so we can be sure to reserve your space.

Please be sure to sign-up for the meeting using the Signup Genius link, as we are using that to keep track of how many people will be attending for catering purposes.

<https://www.signupgenius.com/go/70a044fada822a3fd0-lunch#/>

*I look forward to seeing everyone **Wednesday, February 14th** at the Glen Allen Cultural Arts Center. The virtual zoom meeting invitation is shown on page 1. If you did not receive the outlook email invitation for the season meetings, please let me know so we can get it out to you. It acts as a good reminder for when the meetings are coming up and has virtual link information included for those that can't attend in person. PLEASE NOTE THAT OUR MEETING THIS MONTH WILL BE IN THE JAMES RIVER BALLROOM IN THE MAIN BUILDING.*

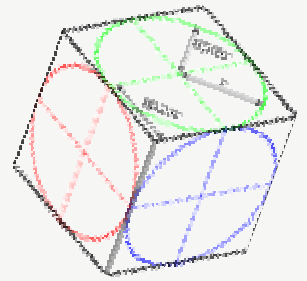
As always, if you have any questions, comments or concerns, please do not hesitate to reach out to me or anyone on the board.



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

TECHNICAL SCHEDULE

Presentation Lineup



- **March 13th 2024**
 - Cameron Ross - MIFAB
 - Siphonic Roof Drains
- **April 10th 2024**
 - Jourdan Merritt - American Bath Group
 - Building Codes & Bathing Solutions
 - Designing Compliant Showers & Tubs
- **May 8th 2024**
 - Cydney Johnstone - The Joyce Agency
 - TBD
- **June - August**
 - Break

What Is a CEU?

A Continuing Education Unit (CEU), also known as Continuing Education Credit (CEC), is a vital measure in ongoing education programs, helping professionals maintain their licenses, or, in ASPE's case, their credential (CPD or CPDT).

The primary purpose of the CEU is to provide a permanent record of the educational accomplishments of a plumbing engineer/designer who has completed a significant noncredit educational experience.

CEUs also give plumbing engineers/designers a means to be recognized as experts in their fields.

Proving Your CEUs

In most cases, you must successfully pass a quiz to verify what you learned before CEUs are issued.

For the CEUs to be considered valid for ASPE's purposes, you must obtain a certificate that lists the name of the course and the number of continuing credit units issued.

Acceptable CEUs

Chapter meetings
Webinars
Workshops
ASPE Tech Symposium sessions
ASPE Convention & Expo sessions/walking the floor

Non-Acceptable CEUs

Factory tours
Non-educational Chapter events

education.aspe.org

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.



WELCOME NEW MEMBERS!

Edwin Caldas - Fire Solutions
Jason Gizzi
Jessica Pressley

LET'S CELEBRATE!



BIRTHDAYS

Josh Landis	2/17
Alex Hammond	2/29

ASPE-VERSARIES

Jay Otto	2/29/1996
Eric Scott	2/25/2009
Christopher White	2/13/2013
Kimberly Griffin	2/25/2015
Anthony Pugliese	2/22/2021
Patricia Colwell	2/7/2022
Bobby Maxwell	2/23/2022
Tyler Simms	2/25/2022

AYP RICHMOND - ERIC GEISENDAFFER

INDUSTRY OPPORTUNITIES



Are you a skilled and enthusiastic Mechanical Estimator ready to take on exciting construction projects? Join our dynamic team at Warwick Mechanical Group as we seek a detail-oriented professional to play a vital role in estimating costs for mechanical systems and contribute to our project success! As an Estimator, you will be at the forefront of project planning, providing accurate cost estimates and collaborating with diverse stakeholders. If you have a passion for precision, love working with cutting-edge mechanical systems, and thrive in a collaborative environment, this is the perfect opportunity for you!

Responsibilities:

1. **Project Assessment:** Dive into project plans, specifications, and requirements to unlock the potential of each mechanical system needed.
2. **Cost Estimation:** Unleash your expertise in mechanical, HVAC, and plumbing systems, equipment, materials, and labor to prepare precise cost estimates that exceed expectations.
3. **Quantitative Analysis:** Masterfully analyze blueprints, drawings, and project documentation to determine the ideal quantities and specifications of materials and labor required.
4. **Vendor and Supplier Interaction:** Forge strong relationships with vendors and suppliers to secure the best pricing and availability for top-notch mechanical components and materials.
5. **Proposal Development:** Create comprehensive proposals that demonstrate the value of your cost estimates, specifications, and project understanding.
6. **Cost Optimization:** Unleash your creativity by identifying cost-saving opportunities that maintain quality and performance through alternative materials, systems, or construction methods.
7. **Project Coordination:** Collaborate seamlessly with project managers, engineers, and stakeholders, ensuring your cost estimates align with project objectives.
8. **Documentation and Reporting:** Showcase your attention to detail by maintaining accurate records of cost estimates, assumptions, and supporting documentation. Prepare reports and presentations.
9. **Industry Knowledge:** Stay ahead of the curve by embracing the latest industry trends, advancements, and best practices related to mechanical systems and cost estimation methodologies.

Requirements:

1. **Experience and Education:** Previous experience as an Estimator in HVAC, Plumbing & Mechanical Piping or in a similar role is highly desirable. A Bachelor's degree in Mechanical Engineering or a related field is a plus.
2. **Technical Skills:** Harness your solid understanding of mechanical systems, equipment, and construction practices to transform projects into triumphs. Proficiency in reading blueprints, specifications, and technical documents is a must.
3. **Analytical Abilities:** Showcase your sharp analytical and problem-solving skills, which will empower you to interpret project requirements and deliver accurate cost estimates.
4. **Attention to Detail:** Embrace your meticulous nature, ensuring every calculation and cost estimate is precise and comprehensive.

INDUSTRY OPPORTUNITIES - cont'd

5. Communication Skills: Shine in your excellent written and verbal communication skills as you connect with internal teams, clients, vendors, and suppliers.

6. Software Proficiency: Must be familiar with cost estimation software, computer-aided design (CAD) tools, and the Microsoft Office Suite.

7. Time Management: Thrive in a fast-paced environment by prioritizing tasks, managing deadlines, and working efficiently.

8. Team Player: Unleash your collaborative spirit as you work seamlessly in cross-functional teams, contributing to a harmonious and successful work environment.

Ready to bring your mechanical estimation expertise to a vibrant team? Join us as an Estimator and unlock the potential of construction projects with your passion and precision! Apply today at recruit@wphcorp.com

EEO Policy Statement

Warwick Mechanical Group provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, gender, sexual orientation, national origin, age, disability, marital status, amnesty, or status as a covered veteran in accordance with applicable federal, state and local laws. Warwick Mechanical Group complies with applicable state and local laws governing non-discrimination in employment in every location in which the company has facilities. This policy applies to all terms and conditions of employment, including, but not limited to, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.

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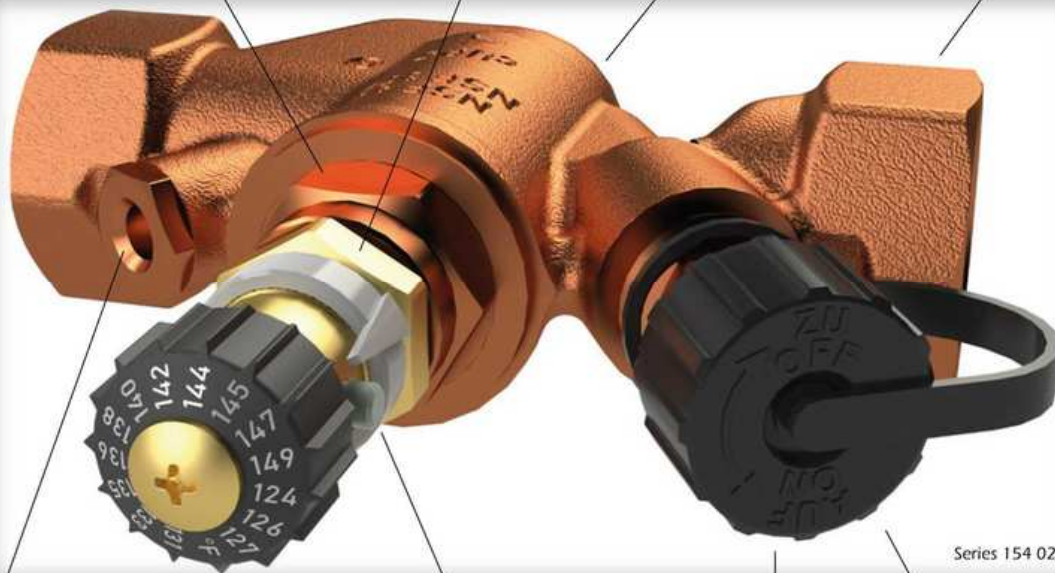
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Single valves available in 1" to 3" valve outlet sizes	•	•	•	•
Manifold assemblies available in up to 6" valve outlet sizes	•	•	•	•
Enhanced controller with programmable disinfection mode		•	•	•
Three additional temperature probes (inlet hot, inlet cold, return temp.)		+	+	•
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 (± 10 °F)		+	+	+
Motor connectivity and operation alert		+	+	+
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Enhanced controller with BACnet MS/TP connection			•	•
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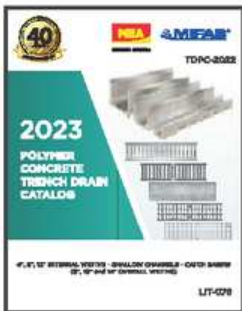
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(LIT-043)



BEECO-2022
BACKFLOW PREVENTERS
AND ACCESSORIES
(LIT-071)



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NO HUB COUPLINGS
(LIT-044)



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TRENCH DRAINS
(LIT-072)



ROOFGUARD-2020
ROOFGUARD ROOF
DOMES
(LIT-058)



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[Tabletop Advertisement](#)

Per Meeting

ASPE Member \$80

Non-Member \$100

Per Year (approx. 9 meetings)

ASPE Member \$450

Non-Member \$550

TALK AROUND THE WATER COOLER...

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



Save the Date! **ASPE Convention & EXPO'24**
Columbus, OH October 18-23

ASPE Pipeline

New for the Plumbing System Design Industry

1. MedGas Workshop Registration Is Open

This year, ASPE's popular in-person MedGas Workshop will be held four times across the United States, and registration is now open for all of them.....choose the workshop that best fits your schedule and location. Our workshop fulfills the training requirement to take the ASSE 6060 exam.

Visit [ASPE Pipeline/Education Opportunities](#) for more information on the workshops and links to register.

- April 18–21: Orlando, Florida (Harry Warren)
- June 6–9: Broomfield, Colorado (Viega)
- September 26–29: Grand Rapids, Michigan (Bradford White)
- November 7–10: Exton, Pennsylvania (OmegaFlex – MediTrac)



2. Join the Industry's Elite This Year

The 2024 CPD exam will be held via remote proctor on April 15–26, and registration is now open for eligible candidates on ASPE Education.

The deadline to register is April 1, 2024.

Go to <https://www.aspe.org/education-credentialing/cpd/> for eligibility and registration link.



3. The Society's Highest Honor

Do you know an ASPE member who deserves to be rewarded with the Society's highest honor? ASPE's Kenneth G. Wentink College of Fellows is accepting nominations to be inducted into the 2024 Class of ASPE Fellows! ASPE's College of Fellows recognizes ASPE members who have made significant and exceptional contributions to the plumbing engineering/design profession... and the plumbing industry. The deadline to submit a nomination is February 29, 2024.

<https://www.aspe.org/membership-global-community/>

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/)

LIGHTS, CAMERA, ACTION!

ASPE's President brings his screenwriting skills to his latest article on ASPE Pipeline with the tale of "Indiana Holmes and the Kingdom of the Porcelain Throne."

From the
President's
Keyboard

by Jim Zebrowski, PE, CPD, FASPE
2022/24 ASPE President

MEET THE AYP COMMITTEE

In the second edition of our "ASPE Committees A to Z" series, ASPE Young Professionals Committee Chair Nikita Patel, PE, explains goals for the future and how to get involved.

WHAT FACTORS NEED TO BE CONSIDERED

That's what Denver Chapter member Matt Knippenberg wants to know regarding low-flow fixtures. Our experts chimed in to offer their thoughts in another [lively discussion in the ASPE Connect Open Forum](#).

ASPE Committees

A to Z

"What Plumbing
Designers Need
to Know About
Selecting a Floor
Drain"

— Siddharth Bhat, PE, CPD,
GPD, LEED AP, WELL AP

Pipeline
Exclusive

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>.

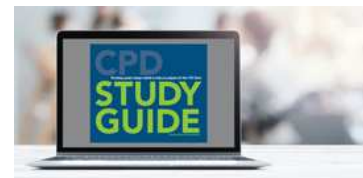
NEED HELP PREPARING FOR THE CPD EXAM?

Our six-day virtual CPD Review Class this March will teach you how to prepare to ace the Certified in Plumbing Design exam, either this year or in the future (March 12, 14, 19, 21, 26, and 28-for two hours each day). The workshop includes a CPD practice test (a \$50 member value), which students will take prior to the last day and then go over the results with the instructor, Michael Danielson, CPD, GPD. For more information go to <https://www.aspe.org/pipeline/aspes-2024-cpd-review-class-is-open-for-registration/>



PLUS > 2024 WASHINGTON, D.C. CPD REVIEW CLASS WILL BE HELD IN MARCH

The Washington, D.C. and Baltimore ASPE Chapters are proud to sponsor a free, simultaneous in-person and virtual CPD review session at the E.J. Dwyer Co. Conference & Training Center (10910 Pump House Rd., Annapolis Junction, Maryland). The review session will be on three consecutive Saturdays in March: March 2, March 9, and March 16. Each of the sessions will be held from 9:30 a.m. to 3:30 p.m. EST, with a 45-minute lunch break during the noon hour. <https://www.aspe.org/pipeline/2024-washington-d-c-cpd>



ASPE's February 2024 Book of the Month is *Advanced Plumbing Technology 2* (eBook version)

Through February 29, 2024, you can purchase this eBook for **25% off** the regular member price. Just enter coupon code **engineersweek** when you check out.