

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.

August 28th, 2018 marked the Richmond ASPE Chapter's 50th Anniversary since being chartered as a chapter in 1968. The Richmond Chapter was the 5th chapter within ASPE to be chartered overall and the 1st on the East Coast!!

BOARD OF DIRECTORS

- President**
 Joshua H. Landis - Moseley Architects
jlandis@moseleyarchitects.com
- Vice President Technical**
 Jeff Bew - AKF Group
jbew@akfgroup.com
- Vice President Legislative**
 Istvan Godri Martis - WDP
istvan.godri-martis@wsp.com
- Vice President Membership**
 Robert V. Grubbs - Syska Hennessy
rgrubbs@syska.com
- Treasurer**
 Eric C. Scott - Lu + Smith Engineers
escott@lsengineers.net
- Administrative Secretary**
 Jay Otto - Otto Sales
jayotto@ottosales.com
- Corresponding Secretary**
 Robbie Shearon - Baskervill
rshearon@baskervill.com
- Newsletter Editor**
 Cydney Johnstone - The Joyce Agency
cydney@thejoyceagency.com
- Chapter Affiliate Liaison / Resource Enhancement Chairperson**
 Bill Lesemann, Jr. - W.G. Lesemann & Assoc.
blesemann@wglesemann.com
- Education Committee Chairperson**
 Tina M. Capece - Mason & Hanger
tina.capece@masonandhanger.com
- Historian**
 Vacant

NOVEMBER MEETING

WEDNESDAY 11/14/18

TOPIC:	LEGIONELLA FACTS AND ENGINEERED SOLUTIONS	
PRESENTED BY:	CRAIG BOYCE - KEMPER AIP METALS	
WHEN:	11:30 AM - 1:00 PM	
WHERE:	Mekong Restaurant 6004 W. Broad St. Richmond, VA 23230	NOTE LOCATION CHANGE!
COST:	LUNCH PROVIDED FOR ALL ENGINEERS & DESIGNERS!	

DECEMBER MEETING: WED., 12/12/18
TOPIC: MIXED SYSTEMS



HOW WAS THE 2018 ASPE CONVENTION & EXPO?

IF YOU HAVE ANYTHING YOU WOULD LIKE TO SHARE FROM YOUR EXPERIENCE (PICTURES, NEWS, ETC.) SEND TO THE NEWSLETTER EDITOR



If you have any ideas or want to see something in particular let a board member know or email the editor

PRESIDENT'S MESSAGE

2018-2019 ASPE Richmond Chapter Season

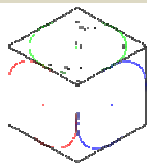
Our delegates (3 Richmond, 2 Va. Beach) attended the national convention and business meeting September 28th through October 3rd. There were a number of interesting topics and items that were brought up and discussed during the business meeting portion that will hopefully be beneficial to all the chapters. It was great to have our satellite chapter represented well at the business meeting to help gain traction in getting them chartered as a standalone chapter. In addition to the business meeting portion, I meet with a large number of various technical professionals in a variety of fields and hope to continue to get more new and interesting presenters for our chapter(s). We are also trying to setup a promotional event to allow our chapter members to purchase ASPE Richmond 50th Anniversary logo clothing and accessories from TSI Promotions. If you are interested, please let me know; the more people we have interested, the more leverage I may have in getting discounts allocated for us.

Our meetings this season will continue to be held at DiFazio's Restaurant from 11:30am-1:00pm on the second Wednesday of each month. Please spread the word and sign-up early so we can continue to get accurate head counts. We will have one month this season where we will have our meeting at an alternative location (November 14th at Mekong, same time) due to scheduling conflicts at DiFazio's.

Please feel free to provide comments, feedback, or recommendations. I look forward to hearing from you all and hope to grow our chapter by actively reaching out, supporting, and mentoring those who will ultimately take our industry to new heights.

Joshua H. Landis, CPD
President, ASPE Richmond Chapter

VP TECHNICAL - Jeff Bew



We have secured presentations for every meeting this season! That may be a first this early on. Check out the line-up below for details. Many of these meetings also include free lunch to all engineers and designers!! We look forward to seeing everyone.

2018/19 Line-Up:	Dec. 12 th :	Mixed Systems – Michael Segala,
	Jan. 9 th , 2019:	Grease Interceptor Sizing & Applications – Joe Werner/Adam Hemminger, Highland Tank
	Feb. 13 th :	Trench Drain Uses, Sizing, Selection & Specs – Wes Bonafe, Newmark Corp
	Mar. 13 th :	2015 IPC Code Update Training – Skip Harper, VPMIA
	Apr. 10 th :	Thermoplastic Valves, Actuation, etc. - Ryan Boykin, Bradley-Hughes
	May 8 th :	Steam 101 - Steve Cooper/Roger Shultz, Carotek



Hello members! Since our last meeting in May a new web link has been created for members.

For new information on member benefits go to <https://sites.google.com/site/membershipcouncil/tips-tricks/member-benefit-tips>

REMINDER about the New Committee forming to push for Professional Engineering License for Plumbing?

I would still like to form a small committee to help push for state recognition of a professional engineering license for plumbing, but I need your help! I understand we've gone down this road before a few times with little progress or success, but momentum is building again nationally, so we need to take advantage of that.

From our national VP Membership, Vincent Falkowski aspevpm@gmail.com
Chapter Presidents & VPM's

It's important to build awareness that ASPE is seeking the inclusion of a Plumbing option within the Mechanical Engineering licensure examination. Without state endorsement of the need for this exam, the National Council of Examination for Engineers and Surveyors (NCEES) will not be able to get us to the next step in licensure for plumbing engineers, for our members.

ASPE Staff built the working group an area in the members-only section of the website at <https://aspe.org/pewc> to keep you informed and to provide templates to contact the state boards. You must be logged in to view the content.

*It's important for your **licensed members** to use the template provided or a similar one to contact your State Board to ask for this consideration. If you or a member is unsure of the need for this exam it is vital that they contact someone on the working group to discuss the details.*
https://aspe.org/sites/default/files/webfm/PEWG/Plumbing_PE_template.pdf

Licensure changed my life and without it, I would not have had the opportunities that have shaped my career. I wish the option to seek licensure to be one that every member of ASPE can elect to pursue.

Please contact me if you're interested in helping with this committee.
rgrubbs@syska.com

Getting to Know our Members!

BIRTHDAYS

Cydney Johnstone	Oct. 5	Marie Slagle	Nov. 7
Wes Bonafe	Oct. 6	Randall Merkel	Nov. 26
Ira Leary	Oct. 9	Don Middleton	Nov. 27
Jeff Bew	Oct. 19		
Charles Martin	Oct. 24		

ANNIVERSARIES

Aaron Eastwood	Oct. 2014	Vic Hines	Oct. 1994!!
Chris Tanner	Oct. 2015	Marie Slagle	Oct. 2014
Steve Cooper	Oct. 2016	Mike McCarthy	Oct. 2017

Another Infographic brought to you by ASPE.....

- ➔ **WHAT IS A PLUMBING ENGINEER?**
- ➔ **DO YOU KNOW WHAT THEY DO?**
- ➔ **WHAT DOES THE PROFESSION ENTAIL?**

Check out the next page for answers to these questions along with other interesting facts and prepare to be impressed!

WHAT IS A Plumbing Engineer?

PLUMBING ENGINEERS are a vital part of design/build construction teams for residential, commercial, and industrial facilities. They interact with other construction trades to provide building owners with efficient, functional, and sustainable plumbing systems that protect the health, welfare, and safety of the public and prevent environmental contamination.

WHAT DO PLUMBING ENGINEERS DO?

PLUMBING ENGINEERS use the principles of fluid flow along with engineering calculations to design plumbing systems that transport fluids and gases throughout buildings. These systems include:



WHAT DOES THE PROFESSION ENTAIL?

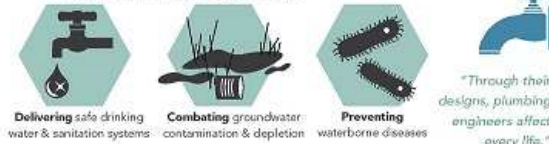
PLUMBING ENGINEERS are highly skilled individuals involved in many different aspects of the design/build process, including:

"The old adage that 'anyone can do plumbing' does not hold water anymore. A diversified and accomplished plumbing engineer is a valuable commodity in the design/build market."

PLUMBING SYSTEM DESIGN	COMMISSIONING
PROJECT MANAGEMENT	CODE & STANDARD EXPERTISE
CONSTRUCTION ADMINISTRATION	FORENSIC & SUBSURFACE SYSTEM EVALUATION
BUILDING INFORMATION MODELING (REVIT)	COST ESTIMATION
PRODUCT & SYSTEM SPECIFICATION	PROBLEM SOLVING

PROTECTING PEOPLE & THE ENVIRONMENT

PLUMBING ENGINEERS help eliminate many of the threats that sicken people and harm the environment on a global scale by:



THEY DO THIS USING THEIR KNOWLEDGE OF:



HOW TO LEARN MORE

The American Society of Plumbing Engineers (ASPE) is the only association dedicated to promoting the plumbing engineering profession and helping plumbing engineers advance in their careers. Our members have a wealth of knowledge and experience and are ready to help others learn more about the industry.



To discover ASPE and find local contacts, visit:

aspe.org



Connect with Us



BARGER⁺

RHEEM WATER HEATERS

- COMMERCIAL/RESIDENTIAL GAS/ELECTRIC
- TANKLESS - INCLUDING POU ELECTRIC
- HYBRID HEAT PUMP WATER HEATERS
- **NEW** PRODUCT: TRITON COMMERCIAL HEATER
 - LEAK DETECTION SYSTEM AND EcoNet
 - UNIVERSAL RETROFIT READY W/ MULTIPLE CONNECTION POINTS
 - TRIPLE PASS HEAT EXCHANGER FOR MAX THERMAL EFFICIENCY
- **NEW** PRODUCT: COMMERCIAL TANKLESS 2.0
 - MANIFOLD CONTROL READY UNITS
 - HOT START PROGRAMMING
 - OVERHEAT FILM WRAP

DELTA COMMERCIAL

- MANUAL/ELECTRONIC FAUCETS, FLUSH VALVES
- SHOWER SYSTEMS
- COMMERCIAL ACCESSORIES INCLUDING ADA BARS

DELTA RESIDENTIAL

BRIZO PEERLESS

WOODFORD

- FREEZELESS COMMERCIAL HYDRANTS
- RESIDENTIAL WALL FAUCETS
- YARD AND ROOF HYDRANTS

FERNCO

- COUPLINGS, STORM DRAINS, WAX FREE TOILET SEALS

WATCO BRASSCRAFT KALDEWEI JACUZZI BOOTZ



YOUR LOCAL MD/DC/VA ENGINEER SPECIALIST

Samantha Givans ⁺

Plumbing Consultant

Cell- 571.643.9313

Email- sam@barger-assoc.com

CHECK OUT OUR NEW INSTAGRAM AND WEBSITE BARGER.AGENCY

BAY Associates



Engineered Water Heating Solutions:
Commercial Water Heaters with Gas, Oil,
Electric, Steam, Boiler Water, and indirect
Stainless Steel Storage Tanks
www.pvi.com



Commercial Water Heaters, Cement Lined
Storage Tanks, Tankless, Tepid Water Systems,
Hazardous Location, Skid Packages
www.hubbellheaters.com



The Heat Tracing Specialists*
Electric Heat Tracing Systems, Hot Water
Temperature Maintenance, Freeze Protection,
Roof and Gutter Deicing, Snow Melting
www.thermon.com



Thermostatic Mixing Valves for Domestic Water
and Emergency Equipment
www.temperedwater.com



Solar Thermal Packaged Systems, Flat Plate and
Evacuated Tube Collectors
www.kingspan.com



Emergency Shower, Eye/Face Wash Equipment,
and Tepid Water Solutions
www.tepid.com



Control Valves: Remote, Flow, Electrical, Liquid
Level Pressure Regulators, Specialty Valves
www.cla-val.com



Pex Tubing, Hydronic Floor Heating, Snow
Melting, Radiant Systems
www.oventrop.com



Electric Steam Boilers for Humidification, Steam
Cleaning, Sterilization, Comfort Heating, Dry
Cleaning, Laboratories, Food Service, Steam
Baths and Process Steam
www.reimersinc.com



Pre-Fabricated, Pre-Insulated Piping Systems,
Secondary Containment and Conduit Piping
www.triconpiping.com



Commercial Pumping Systems, Engineered
Variable Speed Booster Pumps, Custom Controls
www.sencillosystems.com



Pressure Gauges, Thermometers, Regulators and
Control Valves
www.trerice.us



ASME and non-ASME Expansion Tanks,
Hydropneumatic Tanks, Storage Tanks, and Air
Elimination Equipment
www.westank.com

"Specializing in Pure Water Solutions"



Ultra-Pure Water Systems, Reverse Osmosis,
Deionized Water, Process and Waste Water
www.hydromax.net



Emergency Shower and Eyewash Equipment,
Tempered Water Systems, Water Blending
Solutions
www.enconsafety.com

Eric Geisendaffer - Eric@bayassociates.com

Jason Eagles - Jason@bayassociates.com

Phone: 410-825-6616

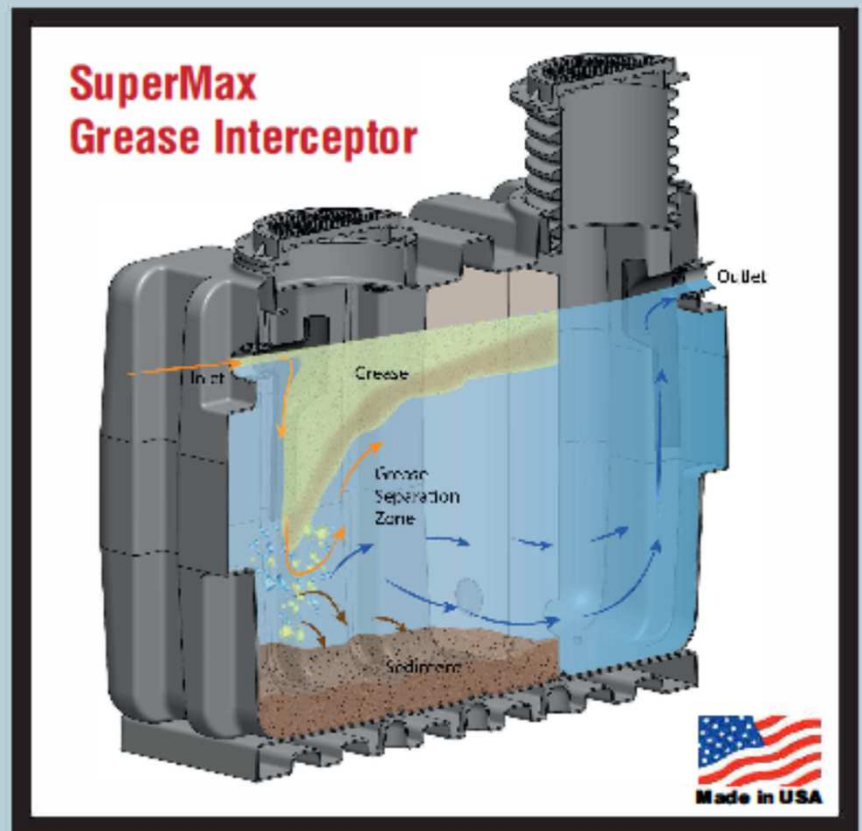
Manufacturers Representative Proudly Serving MD, DC, VA

Visit us at www.bayassociates.com



What is the **COST** and **CONDITION** of your Grease Trap?
Is it steel, concrete, fiberglass, or HDPE?

- In commercial real estate leasing, **restaurants present a unique issue** for landlord and tenants.
- The EPA says there are **over 40,000 sanitary sewer overflows** a year.
- According to the Water Environment Research Foundation (Alexandria, VA, USA), a **low PH level below 5 begins deteriorating concrete and fiberglass** within a week of operation.



For more information contact:

TAZE & HEWITT OFFICES

Phone: (443) 561-1600 (Hanover, MD) | (804) 379-8123 (Henrico, VA)

Email: info@tazeandhewitt.com



800.465.2736 • www.mifab.com

the choice of plumbing professionals

OATEY[®]**SCS**[®]
Supply Chain Services



GET THE JOB DONE RIGHT WITH OATEY!

As an engineer, you require the most accurate information to specify products for your jobs. You must trust that the products you choose will perform effectively on the job site, while delivering years of trouble-free performance for customers.

As the choice of plumbing professionals, Oatey has a rigorous quality management process for its products to ensure they meet the high standards of engineers. They also make it simple to find information that makes your job easier. Oatey stands behind every product with industry-leading customer service and expertise built up over a century in the plumbing industry. So, in addition to innovative, reliable products, you'll get quick, professional answers to your questions to keep projects moving.

TOP OATEY PRODUCTS FOR ENGINEERS

ADA COMPLIANT TRAP COVERS

33% Quicker Installation



The flexible material stays securely in place over time

QUIET PIPES

Water Hammer Arrestors



Quiet Pipes use a piston design to help absorb the water shock in the system

AIR ADMITTANCE VALVES

Comes in 6, 20, 160 and 500 DFU



Superior engineering standards ensure performance

FIRE RATED BOXES

Washing Machine Outlet Boxes



Features UL Classified FyreWrap Insulation Material

Visit www.oatey.com/engineers to learn more

INTERESTED IN OATEY PRODUCTS?

Contact The Joyce Agency

Since 1982, The Joyce Agency has strived to become one of the top manufacturer representatives in the plumbing and HVAC industries. We provide invaluable service to our customers and give the manufacturers we represent acceptance and penetration into the marketplace.

The
JOYCE AGENCY
MANUFACTURERS REPRESENTATIVE

800-921-9298 | f: 703-866-2332

Visit us www.thejoyceagency.com

For more information on Oatey Products, contact our PVF department: PVF@thejoyceagency.com



QuantumFlo.
an exponential leap in technology

[calQlate Your Potential Energy Savings]

**Booster system sizing can be difficult.
That's why there's calQflo.**

QuantumFlo's advanced innovation makes us the premier industrial manufacturing and distribution leader of intelligent pump system technology.

We offer the industry's revolutionary online booster system sizing software, calQflo, that selects the most efficient booster option for your needs—so that your system keeps pumping long into the future! With calQflo, you can:

- Compute the most **size-appropriate** system for your projects.
- **Save money** by selecting **energy-efficient** specs.
- Gain all of this information for **free!**



Get 20-50% Potential Energy Savings from Standard Sizing



Otto Sales, Ashland, VA 23005
Office: 804-798-2600
Website: ottosales.com
Contact: Jay Otto, Joey Adams,
and Jacob Otto

Get to Know the 'Flo:
210 Springview Commerce Drive
Bldg. #150, DeBary, FL 32713
Tel: 386-753-9702
QuantumFlo.com



Every Panel Meets UL508A with a 100KAIC
(SCCR) Withstand Rating

inSpec | **POWERED BY ZURN**

simplifies the specification process



EASIER SPECIFYING



FASTER SHARING



EFFORTLESS SUBMITTING

Register for your free account at inspec.zurn.com

ZURN.

ZURN.COM US 1.855.ONE.ZURN CANADA 1.877.892.5216

Richmond Marketing, Inc.
2533 Mechanicsville Tpke. | Richmond, VA 23223
rmisales@rmisales.com | T 804.643.7355 | F 804.643.7380



UNITED ENERGY PRODUCTS, INC.

Main: 804-288-0960

Keith Workman
804-350-7635
keith@uepsales.com

Chris Lombard
804-334-6844
clombard@uepsales.com

Wes McIntyre
757-478-6240
wes@uepsales.com

Manufacturer's Representative Since 1984 — Celebrating Over 33 years!



Condensing & Non-Condensing Boilers and Water Heaters for Natural Gas, Propane or Natural Gas/Propane Dual-Fuel Applications, up to 6,000 MBH.

www.camus-hydraulics.com



Chimney Automation Systems, Modulating Combustion Air Fans, Modulating Overdraft Dampers & On-Demand Fans for Dryers, Kitchens & Bathrooms.

www.enervex.com



Hot Water Boilers, Domestic Water Heaters and 15 psi Steam Boilers. Force Draft Fired on Natural Gas, LP, No. 2 Oil or Combination.

www.aldrichco.com



Round / Oval Breeching & Stack for Boilers, Water Heaters, Generator Exhaust & Kitchen Grease Duct. Building Supported & Freestanding, Engineered Stack Capabilities.

www.schebler.com



Providing dependable products to the HVAC industry. Air Control Products: Expansion Tanks, Air Separator, Buffer Tanks, etc. Pump Accessories: Suction Diffusers, TD Valves, etc. Heat Exchangers.

www.wheatleyhvac.com



Single Wall, Flexible and Concentric Polypropylene flue gas venting.

www.centrotherm.com



Vertical/Horizontal Storage Tanks, Hot Water Generators, Buffer Tanks, Electric Power Water Heaters, Bladder Tanks, Powered Anode Systems, Built to order Tanks.

www.nilesst.com



Barometric Draft Control Dampers, In-Line and Thermal Draft Inducers, Power Ventilators and Safety Monitoring Sensors. (Models MG1 & Model = MG2)

www.fieldcontrols.com

UEP recently became a Master Distributor for AMERICAN WHEATLEY and is stocking inventory in Maryland.

Virginia's Boiler, Water Heater and Venting Specialists!

UNITED ENERGY PRODUCTS, INC.

For Additional Information Please Visit: www.uepsales.com



60+ Years Of Industry Expertise
Manufactures Representatives -
Mechanical & Plumbing Equipment

2518 Waco Street, Richmond VA 23294
Toll Free Phone #: 800-572-2875
Main Office Phone #: 804-672-8885
Roanoke Office Phone #: 540-345-5800
Main Office Fax #: 804-672-1583
General E-Mail: seb@seburks.com
Company Website: www.seburks.com



- Water-Source Heat Pumps
- Dedicated Outdoor Air Systems
- Tranquility® Vertical Stack Systems



- Gas Fired Heating Systems
- High Efficiency Condensing Boilers up to 6.0MBH
- High Efficiency Condensing Water Heaters up to 4.0MBH
- ASME Tanks
- Storage Type Heaters
- Copper Finned Water Heaters & Boilers
- Pool & Spa Heaters



- Sewage Pumps
- Grinder Pumps



- Highly Efficient & Durable Heat Exchangers For any Heat Transfer Application



- Dual Fuel Boilers
- Steam Boilers
- Condensate Return Systems



- Digital / Industrial Thermometers
- Pressure Gauges



- Automatic & Manual Balancing Valves
- Coil Hookup & Hose Kits



- Controls For Residential & Commercial Boilers



WWW.ARMSTRONGFLUIDTECHNOLOGY.COM

- Hydronic Specialties
- Centrifugal Pumps/Circulators
- Pressure Booster Systems
- Air Control Balancing Valves
- Heat Exchangers
- Design Envelope/Intelligent Variable Speed Pumping Technology



WWW.BURNHAMCOMMERCIAL.COM

- Wetback Scotch Boiler
- Packaged Fire Tube Boilers
- Forced Draft Firebox
- Low NOx Boilers
- Shock Proof Boilers



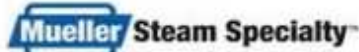
WWW.REYMSA.COM

- Closed Circuit Fluid Coolers
- Fiberglass Cooling Towers



WWW.WEBSTER-ENGINEERING.COM

- Gas, Oil, & Dual Fuel Powered Burners
- High Efficiency Along With Low NOx Burners



WWW.MUELLERSTEAM.COM

- Domestic / International Strainers
- Y-Strainers, Check Valves, & Butterfly Valves



- Plumbing & HVAC Pump Packages



- Bulk Storage Tanks - Fuel & Water



WWW.WEIL-McLAIN.COM

- Cast Iron Sectional Boilers—All Fuels
- Residential & Commercial Boilers
- Multiple Boiler & Energy Management
- High Efficiency Condensing Boilers 5.0 Ranging Up To 2.0 MBH



WWW.SHIPCOPUMPS.COM

- Condensate & Boiler Feed Pumps
- Turbine Pumps / Vacuum Pumps
- Deaerators



WWW.WESTANKCOM

- Expansion Tanks
- Flash Tanks
- Blowdown Tanks
- Separator Tanks
- Glycol Make-Up Packages



WWW.RECOUSAHEATERS.COM

- ASME Pressure Vessels
- Atmospheric Commercial Water Heaters
- Storage Type Water Heaters
- Hydropneumatic Tanks
- Electric Commercial Water Heaters



- Residential / Commercial Gas & Oil Burners
- EZGas Pro Universal Conversion Burner



WWW.MEPCOLLC.COM

- Steam Traps
- Condensate/Boiler Feed/Vacuum/Pressure

MEET THE INDUSTRY STANDARD IN PRESSURE BOOSTING

CAROTEK®
The Power of Solutions

(804) 279-8800
www.carotek.com



Grundfos pressure boosting solutions are the optimal choice for water supply applications. The Grundfos Hydro MPC BoosterpaQ® is UL-listed, NSF61/NSF372 certified, and provides consistent, reliable and efficient control; whether pressure, flow, or remote measurement.

Grundfos offers a complete portfolio of products and services to the market through a number of marquee product brands.

GRUNDFOS 

YEOMANS

PACO

PEERLESS PUMP

Chicago PUMP

WATTS

MORRIS

be
think
innovate

www.grundfos.us

GRUNDFOS 



A New Dawn in Drainage



Siphonic Roof Drainage System

- No Slope Needed
- Flat Installation
- Smaller Pipe Size
- Less Pipework

TAZE & HEWITT OFFICES
Phone: (443) 561-1600 (Hanover,
MD) | (804) 379-8123 (Henrico, VA)

Email: info@tazeandhewitt.com

HYDROMAX
Commercial Specialties

Leader in Siphonic Drainage

INDUSTRY OPPORTUNITIES

If you'd like to advertise your employment opportunity here, please contact one of the list board members above.

ADVERTISE WITH YOUR LOCAL CHAPTER

Newsletter and Webpage Advertisement COSTS

Full Page Newsletter (per season)

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 Tabletops

Per Meeting

ASPE Member	\$80
Non Member	\$100

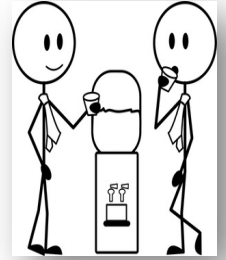
Per Year (8-9 Meetings)

ASPE Member	\$450
Non Member	\$550

[CONTACT JOSH LANDIS @ jlandis@moseleyarchitects.com](mailto:jlandis@moseleyarchitects.com)

TALK AROUND THE WATER COOLER....

Check-out these sites for interesting and educational topics & tools so you can stay in 'the know'!



ASPE PIPELINE <https://aspe.org/Pipeline>

Some recent excerpts:

➔ **ASPE and ASHRAE strengthen partnership to advance industry initiatives**

On October 1, ASHRAE President-Elect Darryl Boyce and Executive VP Jeff Littleton, and 2016-2018 ASPE President Mitch Clemente, CPD, FASPE, and Executive Director/CEO Billy Smith, FASPE, signed an MOU that defines how the two societies will collaborate more closely to continue furthering and promoting the advancements of a more sustainable built environment.

[More>>](#)

➔ **Pictures from the 2018 ASPE Convention & Expo are now available**

To view, download, and buy pictures from all of the events, including the Sunday night party, Expo, First-Timers Reception, Breakfast Award Ceremony & Keynote Address, and more, visit

aspe.smugmug.com/Events/2018-ConventionExpo-Atlas

➔ **WQA offers a new Residential Water Treatment Design certificate**

This program is designed for technical in-office staff, engineers, and others who help design treatment products, provide technical support, or sell products, and it also can serve as an onboarding program for people new to the water quality industry.

[More>>](#)

➔ **Save the date: 2019 CPD exam has been announced**

The next Certified in Plumbing Design (CPD) exam will be held on April 4 and 5, 2019 at testing sites around the world, and registration will open on December 1. To learn more, visit aspe.org/CPDExam

EDUCATION STATION

<https://aspe.org/EducationalProgramsTools>

If you are looking to earn the required CEU's and/or enhance your skills and knowledge then this is the site for you! Once you've landed on the Educational Program & Tools page, simply point & click to gain access to a variety of ways to accomplish your goals.



Some examples:

Webinars - Live, interactive one hour long technical educational programs you can view without leaving your desk and archived for 24/7 access

Online Education - ASPE E-Learning courses are one-hour-long PowerPoint presentations developed by your peers in the industry, and designed to help increase your knowledge or earn CEU/PDH credits. Topics range from basic training for plumbing engineers and designers to the latest in new technologies.

Read Learn Earn - Click on any link to find the latest CE article and exam. Download the article you wish to read with the accompanying test at the end, then submit your answers online! This process will require approximately one hour.

Workshops - Start the year off right with new skills! ASPE workshops are an excellent way to earn CEUs and boost your career potential. Go to aspe.org/workshops for registration details