



**LUNCH  
Meeting @ 11:30**

***TUESDAY,  
FEBRUARY 13, 2018***

***290 Congress St.,  
BOSTON, MA***

**WHAT'S IN  
THIS ISSUE**

President's Report	2
Next Meeting	3
ASPE Young Professionals Info	4
Membership Report	6
Mentoring Program Info	7
Technical Report	9
Calendar	10
Fire Protection Symposium	11
Legislative Report	12-15



## President's Report

As we start our 45<sup>th</sup> Anniversary this year, the board is starting to come up with ways to help mark this great milestone; by offering some different courses and events this year. A few of the events are listed below. As we get closer to the end of 2018, we will have a social event of some kind. We are always looking for some new ideas, so please don't hesitate to give us your ideas.

Some of you might know, that The State Board of Examiners for Plumbers and Gasfitters is currently working on a new policy for emergency eye wash and showers. For those who didn't know the board was working on this, please take a look at our VP Legislative Report written by Luther Thevenin, V.P Legislative.

The February meeting, will be at the Fort Point Room located at 290 Congress Street. The topic will be on Commercial Rainwater Harvesting- Planning and executing commercial rainwater harvesting systems in commercial buildings. The presenter, will be Eddie Van Giesen from BRAE, a Watts Water Technology. Please arrive at 11:30 to sign in, presentation starts at 12 sharp. **The cost of this lunch time meeting will be \$ 15.**

### CPD Review course

Back by popular demand, we are pleased to announce that the Boston chapter will be having a CPD prep class. This class will consist of 6 Monday nights, starting on February 29<sup>th</sup> 2018 from 6 to 8:30 pm. The last class will be on April 2, 2018 6 to 8 pm. All classes are planned to be held at Arup's downtown Boston office. The purpose of these prep classes is to help supplement your studies. These are not entry level classes. The tuition is \$75 for ASPE members and & 175 for non- members. Tuition includes a new CPD Review Manual & dinner. A separate invite will be sent out early February for more information. Any question, please reach out to our Education Chairman Zack Rohlfis at [ZRohlfis@brplusa.com](mailto:ZRohlfis@brplusa.com) or email myself at [edward\\_nadeau@aha-engineers.com](mailto:edward_nadeau@aha-engineers.com)

Please note that actual CPD exam will be on April 5- 6 2018, and registration closes on March 22, 2018. If you are planning to register for this exam, please visit <https://aspe.org/CPDExam>

### AYP Event

The Boston and Society "ASPE Young Professional ( AYP) liaison" Jennifer Olsen, will be having an event held on Friday March 2<sup>nd</sup> 6 to 8 PM at Frog Pond. We are looking for some sponsors for this event. If you are interested in being a sponsor, please contact me. For more information on this event, refer to insert in this newsletter. **Please note, this event is only for members that are under the age of 35, or new to the industry.**

### Chapter Ride Share Program

Do you not have a car or just need a ride to the next Boston Chapter monthly meeting? We are now working on this issue. As of right now John Callahan from J.H. Pokorny Associates has volunteered to give a few engineers a ride to and from monthly meeting. We are looking for some more great volunteers like John. If you have any interest, please email John Callahan at [johnc@jhpokorny.net](mailto:johnc@jhpokorny.net)

Hope to see you in February!

**Best Regards, Edward Nadeau, ASPE Boston Chapter, President**

**President**  
Ed Nadeau  
AHA Engineering  
Tel: (781) - 372 - 3173  
email: [Edward\\_Nadeau@aha-engineers.com](mailto:Edward_Nadeau@aha-engineers.com)

**V. P. Technical**  
Chris Curran  
AHA Engineering  
Tel: (781) - 748 - 7800  
email: [Chris\\_Curran@aha-engineers.com](mailto:Chris_Curran@aha-engineers.com)

**V. P. Legislative**  
Luther Thevenin, CPD  
Cosentini Associates, Inc.  
Tel: (617) - 748 - 7800  
email: [lthevenin@cosentini.com](mailto:lthevenin@cosentini.com)

**V. P. Membership**  
John Callahan, CPD  
J. H. Pokorny Associates  
Tel: (781) - 762 - 2661  
email: [johnc@jhpokorny.net](mailto:johnc@jhpokorny.net)

**Treasurer**  
Richard Pokorny  
J. H. Pokorny Associates  
Tel: (781) - 762 - 2661  
email: [richp@jhpokorny.net](mailto:richp@jhpokorny.net)

**Administrative Secretary**  
Gregg McCarthy  
The Walter F. Morris Company  
Tel: (508) - 989 - 9024  
email: [gmccarthy@morrismerchants.com](mailto:gmccarthy@morrismerchants.com)

**Corresponding Secretary**  
Patrick J. Haney  
W. P. Haney Company  
Tel: (508) - 238 - 2030  
email: [phaney656@aol.com](mailto:phaney656@aol.com)

**Education Chairman**  
Zachary Rohlfis, PE  
Bard, Rao + Athanas Consulting Engineers, LLC  
Tel: (617) - 925 - 8209  
email: [ZRohlfis@brplusa.com](mailto:ZRohlfis@brplusa.com)

**Affiliate Liaison**  
Jeff Gooding  
David Gooding Inc.  
Tel: (401) - 639 - 4419  
email: [jgooding@goodingd.com](mailto:jgooding@goodingd.com)

**ASPENEWS Editor**  
Dawn Pokorny  
Tel: (508) - 520 - 0133  
email: [dawnp@jhpokorny.net](mailto:dawnp@jhpokorny.net)

### **Board of Governors**

**Chairman**  
Laurence D. Johnston, CPD

**Members**  
Kevin W. Lally, CET  
Rich Dean, CPD



**WE KNOW PLUMBING.**

And we have the extensive product line to prove it. T&S offers a vast selection of high-quality products that meet required codes and compliances. And with a companywide commitment to staying at the forefront of today's evolving industry, it's no wonder engineers everywhere rely on T&S.

www.tsbrass.com  
800.476.4103

Represented in Boston by Specification Sales - 781-396-0842






Proud to Represent



173 Spark Street, Brockton, MA 02302  
Phone: 508-894-2000 | Fax: 508-894-2001  
[Inside@goodingd.com](mailto:Inside@goodingd.com) | [www.goodingd.com](http://www.goodingd.com)  
[Inside@goodingd.com](mailto:Inside@goodingd.com) | [www.goodingd.com](http://www.goodingd.com)

 <p><b>J. H. Pokorny Associates LLC</b></p> <p>www.jhpokorny.net getinfo@jhpokorny.net</p> <p>1502 Providence Highway Norwood, MA 02062 Tel (781) 762 - 2661 Fax (781) 762 - 5949</p>	<p><b>Proud to Represent:</b></p> <p>Big Dipper Georg Fischer Guardian Just Kaldewei Karp Leonard Valve McGuire Metcraft Oasis Sloan Trapzilla WaterSaver</p>
--	---

 www.krossco.com sales@krossco.com MANUFACTURERS AGENT	  
 	   

  	<p><b>Patrick J. Haney</b></p> <p>Represented by: WP Haney Co. 51 Norfolk Ave. South Easton, MA 02375 Phone (508) 238-2030 Fax (508) 238-8353 Cell (508) 326-7056</p>
---	---

 <b>AIR ENERGY Group, LLC</b>	  
<p><b>Robert N. Littman</b> Vice President</p> <p>6 Norfolk Avenue, South Easton, MA 02375 © (508) 230-9445 Fax (508) 230-9446 Cell (617) 921-1017 rlittman@airenergy.com</p>	<ul style="list-style-type: none"> <li>• Air Compressors</li> <li>• Vacuum Pumps &amp; Systems</li> <li>• Air Treatment Products</li> <li>• Sales/Service/Rentals</li> <li>• Dryers • Filters</li> <li>• 24-Hour Service</li> </ul> <p>Web: www.airenergy.com</p>

	<p><b>Plumbing and Fire Protection Engineer</b></p> <p>AKF's Boston office currently has an opportunity for an experienced Plumbing and Fire Protection Engineer. The ideal candidate will have a BS degree in Engineering and at least 5 years' experience working in consulting engineering firm. If you are interested in working on a range of Healthcare, Higher Education and High-end Residential projects and want to join a talented design team, this may be the opportunity for you!</p> <p><b>Responsibilities:</b></p> <ul style="list-style-type: none"> <li>• Prepare basic deliverables and products including calculations, drawings, and specifications</li> <li>• Set deadlines and assigns responsibilities</li> <li>• Examine field conditions as required to support development and completion of projects</li> <li>• Design plumbing and fire protection systems including calculations of preliminary water, gas, sanitary/sewer and storm loads while adhering to the firm's QA/QC process</li> <li>• Develop project specifications</li> <li>• Attend meetings with architects, owners and building managers to discuss future and or current projects</li> <li>• Assist in business development by pursuing new work including participation in client presentations</li> <li>• Assist in the firm's human resource efforts through training and mentoring junior firm members</li> </ul> <p style="text-align: center;">If you would like to find out more please email: Klacroix@afkgroup.com</p>
---	---

 	<p><b>Standard UL-Listed &amp; Custom Natural Gas Boosters &amp; GasCube Skid Packages Featuring:</b></p> <ul style="list-style-type: none"> <li>• Simplex, Duplex &amp; Component Designs</li> <li>• Std. Boost Pressure to 83" WC/Volumes to 240,000 CFH (Higher Available)</li> <li>• Pre-Engineered, Pre-Piped, Factory Tested</li> <li>• Smallest Footprint in Industry</li> <li>• Innovative design cools and extends motor life</li> </ul> <p style="text-align: center;"><b>Your GAS BOOSTING Experts</b></p> <p>Also Available: Central Vacuum Systems for Housekeeping, Oral &amp; Surgical Laser Smoke Evacuation, Tubing &amp; Fittings, Hose &amp; Tools, Control Panels</p> <p style="text-align: center;"><b>Spencer.</b> www.spencerturbine.com</p>
<p><b>Represented By:</b> Environmental Air Specialties, Inc. T:508.839.6157 www.easne.com Jeremy Manning - C:508.958.6346</p>	

 <b>NECP</b> NEW ENGLAND COMBUSTION PRODUCTS, Inc. <small>Providing Technical Advances to Combustion and Boiler Room Needs since 1976</small>	<p><b>781 337 8888</b>    <b>www.necombustion.com</b></p>	
<p><b>intellihot</b> Instantaneous, Tankless Hot Water Heaters. Cycle-Proof, Scale-Free Expandable 316L Floating HE.</p>	<p><b>RBI</b> RBI Heaters &amp; Boilers, one of the MESTEK product lines.</p>	<p><b>QuantumFlo</b> Customized packaged pump systems, Touch Screen Controls, 304SS Header &amp; Frame.</p>

The Walter F.



Company  
Serving you since '22'

77 GREEN STREET • FOXBORO, MA

P: (800) 888-1922

F: (800) 888-1942




**Piping.  
Systems.  
Solutions.**

New England Engineering Specialist  
Kevin Doty • 484-523-8909  
kevin.doty@victaulic.com

**victaulic**  
www.victaulic.com  
1-800-PICK-VIC

**CHARLOTTE**  
PIPE AND FOUNDRY COMPANY

CHARLOTTE PIPE IS PROUD TO OFFER A FULL LINE OF  
CAST IRON PIPE & FITTINGS MADE RIGHT HERE IN THE USA.

visit [www.charlottepipe.com](http://www.charlottepipe.com)

SAL TERRANOVA  
North Atlantic Field Technical Representative  
704-315-9380 sterranova@charlottepipe.com




**A FRESH  
APPROACH  
to Sustainable Design**

**SLOAN® HYBRID URINALS**  
with Jetrinse® Solution Technology

Get all the efficiency of waterfree engineering  
without the unpleasant maintenance.

JH Pokorny Assoc, LLC  
781.762.2661  
[sloan.com/hybrid](http://sloan.com/hybrid)

**SLOAN®**  
Water Connects Us®

## LUNCH MEETING

Tuesday, FEBRUARY 13th, 2018

290 Congress St., BOSTON, MA

### MAIN PROGRAM

Commercial Rainwater Harvesting –  
Planning and executing commercial  
rainwater harvesting systems in commercial  
buildings based on scale driven designs

### SPEAKER

Mr. Eddie Van Giensen

### PROGRAM SCHEDULE

LUNCH MEETING  
11:30 Sign In

### MENU

TO BE  
DETERMINED

### MEETING RESERVATIONS

**\$15.00 ONLINE Reservation**  
*(Please use the electronic invitation sent to you)*

**Retired & Currently Unemployed Members Free**  
**Please reserve by WEDNESDAY, Feb 7th, 2018**

## Quantum Engineering, Inc.

**Nancy K. Bonnetti**  
Medical Gas Specialist

121 Camelot Drive, Unit 4  
Plymouth, MA 02360  
Office: 508.747.6800  
Fax: 508.747.6803  
Cell: 781.389.2060  
nbonnetti@quanteng.com

An authorized representative for:



**ASPE**  
**YOUNG**  
PROFESSIONALS

**boston**

# ICE SKATING AT FROG POND

Are you 35 or under  
looking to meet other  
young plumbing engineers?

Join us on

**FRIDAY, MARCH 2**

**6-8PM**

**FROG POND ICE RINK**

in downtown Boston.

We will be heading to  
JJ Foleys Bar afterwards.

See you there!



**CASPE**  
American Society of  
Plumbing Engineers  
**B O S T O N**

## **AGENDA:**

- 6:00-6:15 Introductions
- 6:15-7:00 Skate and Mingle
- 7:00-7:20 Hot Cocoa Break
- 7:20-7:45 Skate and Mingle
- 7:45-8:00 Return Skates and  
Head to JJ Foleys!

RSVP to [Jennifer.olson@stvinc.com](mailto:Jennifer.olson@stvinc.com)



# **Membership Report**

## **New Boston Chapter Members**

Congratulations and welcome to the two newest members of the Boston Chapter ASPE

Shannon Larkin	Associate Member	Fitzmeyer & Tocci	Woburn, MA
Jeanette Lin G.E.	Full Member	WSP	Boston, MA

## **2018 ASPE Membership Pins**

The new 2018 ASPE Membership pins have arrived and will be available for members to pick up at the monthly chapter meetings. If you want your pin, please pick yours up at the sign-in desk at the next monthly meeting.

## **ASPE Mentor Program**

I recently volunteered to become a mentor in our chapter and after filling out Society's mentor program survey, I was successfully matched with one of our chapter's newer members who similarly filled out the program survey to become a mentee. I can honestly say I am excited to be a part of this program and hope I can provide the proper guidance and advice to help guide my mentee's growth and development in this industry. I admit I was paired with someone who I believe has outstanding potential to succeed, so I'm optimistic I won't mess things up too badly. In all seriousness though, we are looking to enlist younger members in the Boston Chapter to become mentees in this program. Likewise, I wish to put out a request for our more experienced members to volunteer to become a mentor and share your experience and wisdom with an up and coming member of the chapter. You don't have to be an engineer, just someone who has a vested interest in helping a younger member succeed. Please take some time to give due consideration to joining the ASPE Mentor Program, either as a mentor or a mentee.

The following is a brief program summary I've copied from the Society website. Please take a moment to read it, and go online to sign up for the program. I think this is a valuable tool to get our younger members involved and assist them in their careers. It's also a great way to get them to our chapter meetings and help them network with their fellow chapter members. This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals.

### **Who Is a Mentor?**

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an "open door" to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

Benefits to the mentor:

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

### **Who Is a Mentee?**

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

Benefits to the mentee:

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths

**By John Callahan, CPD, V. P. Membership, Boston Chapter ASPE**

# ASPE Mentoring Program

This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals.

## **Who Is a Mentor?**

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an "open door" to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

### *Benefits to the mentor:*

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

## **Who Is a Mentee?**

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

### *Benefits to the mentee:*

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths

[aspe.org/aspe-mentoring-program](http://aspe.org/aspe-mentoring-program)



**A TRUSTED GLOBAL LEADER IN  
DIGITAL HOT WATER INNOVATION**



Represented locally by:

\* **RL Stone** company inc.

Call Today!  
(800) 404-8882

[armstronginternational.com](http://armstronginternational.com)



**KIRSCHNER ASSOCIATES, INC.**

8 Abbey Lane, PO Box 312  
Middleboro, MA 02346-0312  
Tel: 800-752-1588 Fax: 508-947-0850  
[www.kirschnerassociates.com](http://www.kirschnerassociates.com)

**PATTERSON-KELLEY  
AMERIDEX PHX • WENDLAND TANK  
RITE BOILERS • NATCO HEATERS  
SECURITY CHIMNEYS**

Hello readers of the ASPE Monthly Newsletter,

ASPE Boston has decided to run a CPD preparation course ahead of the CPD test this coming spring.

We are looking for volunteers to help teach, coordinate dinner, and a location to have the course.

If you are interested or could post the following up on your companies 'Bulletin Board' whatever that may be it would be appreciated.

If you are interested in helping please reach out to Zach Rohlf's [zrohlf@brplusa.com](mailto:zrohlf@brplusa.com)."

Thank you,  
Zach  
ASPE Boston Education Chair



Leonard Valve Company  
1360 Elmwood Avenue  
Cranston, RI 02910  
Ph: (800) 222-1208  
Fax: (401) 941-5310  
[www.leonardvalve.com](http://www.leonardvalve.com)



**J.H. Pokorny Assoc., LLC**  
Established 1942  
JH Pokorny Associates  
1502 Providence Hwy  
Norwood, MA 02062  
Ph: (781) 762-2661  
Fax: (781)-762-5949  
[www.jhpokorny.net](http://www.jhpokorny.net)

*Mixing Safety and Performance.....for over 100 years*



- |                      |          |              |
|----------------------|----------|--------------|
| Atlantic Containment | HeatFab  | NA Pipe Corp |
| Anvil                | Heat-Flo | OCS          |
| Armstrong            | Hydrapro | Oetiker      |
| BathAid              | Ideal    | Panasonic    |
| Cambridge Lee        | Jacuzzi  | Recor        |
| Endot                | Keeney   | Roth         |
| Fernco               | Lyall    | TOTO         |
| Gruvlock             | Navien   | Tundra       |
| Hansgrohe            | NIBCO    |              |

Phone: 508-894-2000

[www.goodingd.com](http://www.goodingd.com)

**BRADFORD WHITE**  
WATER HEATERS  
**Big Solutions for  
Big Demands**  
Commercial Boilers  
and Water Heaters

Built to be the Best™ [www.bradfordwhite.com](http://www.bradfordwhite.com)

**Engineered Fluid Handling Equipment**

- Domestic Water Boosters
- Waste Water Pumps
- Water Heaters
- Water Reclaim/Reuse Systems
- Water Purification Systems
- Fire Pumps
- Pump Repair

**Gustavo Preston Company**  
Chelmsford, MA  
978-250-3333  
[www.gustavopreston.com](http://www.gustavopreston.com)

SALES • DESIGN • SERVICE





## Technical Report

Hello again to the ASPE Boston Chapter. Welcome to another exciting edition of the monthly VP Technical article. Thanks for reading. It's February now, we're well into the doldrums of a New England weather, but that's not slowing down business as I'm sure you can all attest. The same can be said of your local chapter's board of directors. We are hard at work planning out this year's events and gatherings.

My job personally is trying to get monthly technical presentations for each of our meetings. These presentations are intended to be interesting, educational, and if possible, somewhat entertaining. I'm hoping you've been enjoying them so far, and have been getting something out of them. If not, please let me (or anyone else on the board) know. What can we be doing better? What topics would you like covered? What haven't we talked about in a while, but was a big hit when we did? All criticisms and help are appreciated.

Our last meeting was another good presentation, and sparked a good amount of discussion & questions after the main presentation was completed (during as well.) This is something I like to see. It means we gave you a thought provoking presentation, and people were engaged and paying attention to a topic that impacted their careers. That's the whole goal. Special thanks to Pat Donnelly from Cla-Val for making it an informative presentation, and for answering all questions. Pat's presentation was on automatic control valves for water, with a focus on pressure reducing valves. Pat confirmed some things for me, but also let us know about some advancements in the industry that I was unaware of. I did not know there were specific PRV's for anti-cavitation that allow for a bigger turn down ratio of inlet to discharge pressures. I also learned that these types of valves have different limitations for flows through them, so they are not a cure all. I love learning new things, and hope you get as much out of these meetings as I do.

### **Reminder: Our next monthly chapter meeting will be a lunch time meeting.**

**February 13, 2018 @ 290 Congress Street, Boston, MA - Arrive by 11:30am to sign in**

**Main Topic - Commercial Rainwater Harvesting – Planning and executing commercial rainwater harvesting systems in commercial buildings based on scale driven designs.**

**PRESENTER - Eddie Van Giesen, MLA ARCSA AP**, is the National Sales Manager and Public Policy Director at *BRAE, a WATTS Water Technologies* Rainwater Product Division. He designs and consults on commercial rainwater harvesting systems. Notable recent projects include the Carrier Dome Syracuse University, S. Francisco Public Safety Bldg, Oregon Health and Science University, Burnham Building Boston, S. Francisco Museum of Modern Art. He speaks regularly on the subject of rainwater harvesting at conferences on the local, regional and national level. Examples include the Water Quality Association (WQA) Aquatech Mar/2014, Green Roofs for Healthy Cities North America (GRHC) Nov/2014, United States Green Building Council (USGBC) Oct/2014. He is approved by AIA to teach a rainwater course for Continuing Education Credit, a program designed for architects, contractors and engineers. Van Giesen works with the International Code Council (ICC) and International Association of Plumbing and Mechanical Officials (IAPMO) in the development of Green Plumbing Codes for Rainwater and Stormwater. He assisted the states of NC and GA in developing plumbing codes permitting rainwater use in coordination with the International Code Council (ICC) in 2009-2010. He successfully worked with the California Building Standards Commission in 2012 to include Chapter 17 (Rainwater Harvesting Provisions) in the California Plumbing Code. Along with California Assembly member Jose Solorio, he contributed in the passing of AB1750, the California Rainwater Harvesting Act of 2012.

**TECHNICAL SESSION** - Commercial rainwater harvesting systems are more and more frequently used in commercial buildings to offset potable water demands and to reduce stormwater outflows from the buildings footprint. Despite an ever increasing number of rainwater systems going into service in North America, system design consistency remains elusive. This is due not only to designer preference but to the designer's unfamiliarity with best practices and frequent exclusion of key components. One of these key components is inlet filtration, the coarse gravity fed filter on the inlet side of the storage cistern. It is a necessary and critical part of a rainwater system. What type of filter and where to locate it is often considered far too late in the building's plumbing design process. The lack of attention to the selection and placement of the inlet filter can result in unexpected subpar performance of the overall rainwater system. This major pitfall can easily be averted by careful planning. The session will start with a brief intro on rainwater harvesting system design and be followed by an in-depth presentation focusing on the major types of inlet filters available. We will explore the why's, how's and where's of inlet filters. We will identify the common issues associated with the absence of an inlet filter as well as the dangers of incorrect sizing and selection. We will cover filter flow rates and appropriateness of each type depending on building type and size.

At the end of the session the attendee will be able to:

- Describe the major types and to what types of buildings the filters are most effectively suited.
- Identify the critical inverts associated with each major type.
- Discuss how inlet water velocities affect the functioning and effectiveness of the filter.
- Illustrate the optimal locations for best practices in terms of installation in a commercial building.

### **Upcoming Technical Events:**

**March 13, 2018** – Our monthly Chapter meeting will return to the North Shore (The Chateau in Andover, MA). As of now, our presentation will be on hot water recirculation – how, why, and how to use modern technology to make your job easier. The presentation shall be by Yours Truly. This will be an updating of the presentation given by Joseph Barbera in years past, which was one of my personal favorite presentations, and is something that often gets overlooked, and underthought over and over.

**April 2018** – This will be our annual joint meeting with the Greater Boston Plumbing Contractors Association (GBPCA). The GBPCA will be hosting this event at Lombardo's in Randolph, MA (Next door to Lantana's.) The topic, presentation, and speaker shall be updated as details become available.

**May 2018** – We are planning a facility tour of a recently completed high rise occupied 100% by a major life science (laboratory) tenant. The tour will include all mechanical spaces including all major lab plumbing systems including pH neutralization, RODI water, Reclaim water, lab vacuum, lab compressed air, condensing water heaters, rainwater reclaim, and cryogenic and laboratory gases systems. We feel this will be a great chance to change things up a bit, and to see the finished products many of us don't get to see in action. The date and time are TBD, and details will be provided when finalized.

If you have any topics you would like covered at an upcoming meeting, please shoot me an e-mail at [chris\\_curran@aha-engineers](mailto:chris_curran@aha-engineers).

**Yours Truly, Chris Curran, VP Technical, ASPE Boston Chapter**

The only press fittings  
in multiple materials

Paul Jappe  
Technical Manager  
603-475-2445

Rudi Tillmann  
Sales Engineer  
617-448-1890

www.viega.us  
1-800-976-9819



The global leader  
in plumbing, heating  
and pipe joining systems



## Newsletter Advertising

**WE OFFER BUSINESS CARD SIZE  
ADVERTISEMENT**

**The exact size is 3½" Wide X 2" High.  
The cost for the advertisement is \$650/yr.  
Ads will not be pro-rated.**

**For an Ad Request Form & Payment information  
contact Dawn Pokorny at  
508-520-0133 or dawnp@jhpokorny.net**



**Manufacturers' Representative**

**Tower Hill Sales Associates, Inc.**

*Servicing New England Since 1992*

American Valve • Anaco/Husky • Elbi • Kingspan Solar • Laars  
Lawler Manufacturing • PVI Industries • ProVent Systems  
Riverside Hydronics • T-Drill • Thermon Manufacturing • TracPipe  
Tyler Pipe • VC Systems • Willoughby Industries • Xerxes

800-542-5554 • sales@towerhillsales.com • towerhillsales.com



Proud to Represent

**TOTO®**

173 Spark Street, Brockton, MA 02302  
Phone: 508-894-2000 | Fax: 508-894-2001  
[inside@goodingd.com](mailto:inside@goodingd.com) | [www.goodingd.com](http://www.goodingd.com)



**Guardian**

EMERGENCY EYEWASH & SHOWER TECHNOLOGY

Represented by  
**J.H. Pokorny Assoc., LLC**  
781-762-2661  
[www.jhpokorny.net](http://www.jhpokorny.net)



**KIMAX® Glass Drain  
and Vent Systems**

- Low volatile organic compounds (VOCs)
- Will not burn or emit toxic fumes
- Maximum corrosion resistance
- Flexibility, adaptability, modularity
- Safe and simple installation
- Lowest life-cycle costs

Territory Distributor  
K Ross Company  
(781) 422-2273  
sales@krossco.com

SCHOTT North America, Inc  
info.drainlineus.schott.com  
[www.us.schott.com/drainline](http://www.us.schott.com/drainline)

**SCHOTT**  
glass made of ideas

## Index of Paid Advertisers

Air Energy	3	K Ross	3	Toto	10
Bradford White Corporation	8	Kirschner Associates, Inc.	8	Tower Hill Sales	10
Charlotte Pipe	4	Leonard Valve	8	Victualic	4
David Gooding	8	Navien	2	Viega	10
Emerson Swan	12	New England Combustion Products	3	W.P. Haney / Watts	3
Environmental Air Specialties	3	Quantum Engineering, Inc.	4	Walter F. Morris	4
Fire Pump Testing Company	12	RL Stone Co. New England	8		
Guardian Equipment	10	SCHOTT	10		
Gustavo Preston	8	Sloan Valve Company	4		
J. H. Pokorny Associates	3	T & S Brass			

**New England Association of Fire Protection System Designers**  
AMERICAN SOCIETY OF CERTIFIED ENGINEERING TECHNICIANS

**Presents:**



**2018 Fire Protection Symposium**

**March 14, 15 & 16, 2018**

**Attitash Grand Summit Hotel**

**Bartlett, NH**

**Why should you attend this bi-annual event?**

- Attendance from Industry Leaders in Contracting, Engineering and local Authorities
- Technical Presentations with CEU's
- Speakers include FP Specialists from WPI, FM Global, SFPE and More...
- Vendor Product Show
- Family Friendly with events for everyone

**For Registration Forms, Vendor sign-up and more information please visit our website:**

[www.neafpsd.com](http://www.neafpsd.com)

**For additional information please contact:**

Todd Stevens (617) 686-8849

[tstevens@cannistraro.com](mailto:tstevens@cannistraro.com)

**New England Association  
Of  
Fire Protection System Designers**



**Attitash**  
Grand Summit Hotel  
& Conference Center

# CALENDAR OF EVENTS

DATE	EVENT / HOLIDAY	LOCATION
February 7, 2018	Mass Plumbing Board Meeting - Variances & Waivers, 1 <sup>st</sup> Meeting	1000 Washington Street, Boston
February 13, 2018	ASPE Boston Chapter Monthly Meeting	290 Congress St., Boston, MA
February 28, 2018	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 <sup>nd</sup> Meeting	1000 Washington Street, Boston
March 7, 2018	Mass Plumbing Board Meeting - Variances & Waivers, 1 <sup>st</sup> Meeting	1000 Washington Street, Boston
March 14, 2018	ASPE Boston Chapter Monthly Meeting	The Chateau, Andover, MA
March 28, 2018	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 <sup>nd</sup> Meeting	1000 Washington Street, Boston
April 4, 2018	Mass Plumbing Board Meeting - Variances & Waivers, 1 <sup>st</sup> Meeting	1000 Washington Street, Boston
April 10, 2018	ASPE Boston Chapter Monthly Meeting—Joint meeting with GBPCA	Lombardi's, Randolph, MA
April 25, 2018	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 <sup>nd</sup> Meeting	1000 Washington Street, Boston

## THE FIRE PUMP TESTING COMPANY

Evaluation, Testing and Certification of Fire Suppression Systems  
 Fire Pump Testing, Standpipe Testing and Building Commissioning  
 Hydrant Flow Testing and Water Supply Analysis  
 Residential and Commercial System Installation and Service  
 Fire Protection Design and Engineering - System Hydraulic Analysis

Tel: (617) 971-0700  
 Fax: (617) 524-7171  
 Cell: (617) 592-4236

11 Varney Street  
 Boston, MA 02130-4109  
 Thomas Duross

<http://www.thefirepumptestingcompany.com>  
 Email: [tom@thefirepumptestingcompany.com](mailto:tom@thefirepumptestingcompany.com)  
 Member: ASPE, NFPA, AFSA, NFSA, BBB



## EMERSON SWAN

A Swan Group Company

REPRESENTING THE HEATING, PLUMBING & HVAC INDUSTRY SINCE 1932

Emerson Swan is a manufacturer's representative serving New England, Upstate New York, Western Pennsylvania and the Greater Toronto Area with quality residential and commercial plumbing, heating and HVAC equipment for over 85 years.

Offices  
 Randolph, MA  
 Rocky Hill, CT  
 Pittsburgh, PA  
 Buffalo, NY

[www.emersonswan.com](http://www.emersonswan.com)



## Legislative Report



The State Board of Examiners for Plumbers and Gasfitters (The Board) is currently working on a new policy for emergency eye wash and showers.

The proposed policy would create specific guidelines for the installation of emergency eyewash and emergency showers using tempered water and cold potable water which would be deemed to comply with 248 CMR and its related adoption of ANSI Z-358.1.

This proposed policy will also create guidelines for multiple fixture installations and to prevent stagnation of the potable water system supplying these fixtures.

This proposed policy addresses the following two categories:

1. New construction and/or substantial renovation projects consisting of six or more emergency eyewash and/or emergency showers.
2. Existing facilities and smaller renovation projects consisting of five or less emergency eyewash and/or emergency showers. The Board will be meeting within the next two month to finalize this policy.

Please find the enclosed draft copy of the proposed policy on Pages 13-15.

By Luther Thevenin, CPD, VP Legislative

## BOARD POLICY

### EMERGENCY EYEWASH AND EMERGENCY SHOWERS

(Enacted TBD)

Background: The purpose of this policy is to address a minor inconsistency within the Board's regulations governing emergency eyewashes and showers. Specifically, 248 CMR, by way of a reference to 527 CMR, adopts an industry standard which appears to conflict with a component of the plumbing code. Per 248 CMR 10.13 (1) (l) 7. [with regards to Emergency Eyewash Stations]:

“Existing laboratories shall be compliant with the most recent provisions of 527 CMR 10.02(2): *Fire Extinguishers*”

527 CMR 10.02(2) is adopted by the Board of Fire Prevention Regulations and states:

“Drench/Deluge Showers, Hand Held Body/Face Washers and Deck Mounted Drench Hoses shall be installed in accordance with ANSI Z-358.1 and 248 CMR.

The inconsistency between 248 CMR and ANSI Z-358.1 is as follows:

248 CMR 10.13 (1)(l) 4 to 6 states:

- “4. The permanently mounted shower shall be capable of discharging a continuous spray at a rate of 30 gallons per minute and;
5. The systems shall be tempered to between 70 degrees F and 90 degrees F and be installed in a manner that prevents the stagnation of water in the piping that supplies permanently mounted showers and face/eye wash stations and;
6. An exception to the tempered water requirement is: in existing buildings where tempered water is inaccessible, cold potable water shall be permitted with prior permission of the fire prevention safety officer and the Inspector.”

ANSI Z-358.1 allows a permanently mounted shower to discharge a minimum of 20 gallons per minute for 15 minutes at a temperature between 60 and 90 degrees.

It is the interpretation of the Board that the purpose behind the flow rate and temperature requirements is to prevent stagnation in piping servicing emergency eyewash and emergency showers. Further, it is the opinion of the Board that an installation in compliance with ANSI Z-358.1 generally meets this goal. Accordingly, the Board shall interpret the adoption of ANSI Z-358.1 by way of 248 CMR 10.13 (1)(l)7 as an alternate code compliant installation method which does not require compliance with 248 CMR 10.13 (1)(l) 4 to 6 when the following guidelines are adhered to.

Summary: Under this policy, the Board is creating specific guidelines for the installation of emergency eyewash and emergency showers using tempered water and cold potable water which shall be deemed to comply with 248 CMR and its related adoption of ANSI Z-358.1. Additionally, this policy also creates guidelines for multiple fixture installations and to prevent stagnation of the potable water system supplying these fixtures

Policy:

- I. New construction and/or substantial renovation projects consisting of six or more emergency eyewash and/or emergency showers.
  - A. A tempered water source shall be supplied in conjunction with domestic hot water generation and reduced in temperature to the ANSI Z-358.1 range (60 – 100 degrees F) by means of an adjustable tempering valve with domestic hot and cold makeup in order to insure a constant turnover of source water and prevent stagnation in the tempered water piping loop, and;
  - B. The tempered water loop piping for the fixtures shall be capable of discharging a minimum of 20 gallons per minute for 15 minutes with two emergency equipment devices operating simultaneously, and;
  - C. The tempered water loop piping must be routed throughout the building in such a manner that branch supply piping to an individual emergency equipment fixture connection shall not exceed a developed length of 15 feet, and;
  - D. The permit holder shall provide the local plumbing & gas inspector with a signed document from the owner or owner's agent assuring weekly flushing operation of each fixture as required by ANSI Z-358.1 and OSHA will be of long enough duration to empty the volume of supply water from the circulated tempered piping loop main to the fixture outlet.
- II. Existing facilities and smaller renovation projects consisting of five or less emergency eyewash and/or emergency showers.
  - A. Whenever tempered water is available and may be utilized, the standards associated with new construction and substantial renovations shall apply.
  - B. In existing buildings where tempered water is inaccessible, potable cold water piping may be used as outlined in 248 CMR 10.13 (1) (i) (6), and;
  - C. The fixtures shall be capable of discharging a minimum of 20 gallons per minute for 15 minutes with two emergency equipment devices operating simultaneously, and;

- D. The cold water piping shall be installed in such a manner that supply piping to an individual emergency equipment fixture connection shall not exceed a developed length of 15 feet, and:
- E. The permit holder shall provide the local plumbing & gas inspector with a signed document from the owner or owner's agent assuring weekly flushing operation of each fixture as required by ANSI Z-358.1 and OSHA will be of long enough duration to empty the volume of supply water from the circulated tempered piping loop main to the fixture outlet.

DRAFT