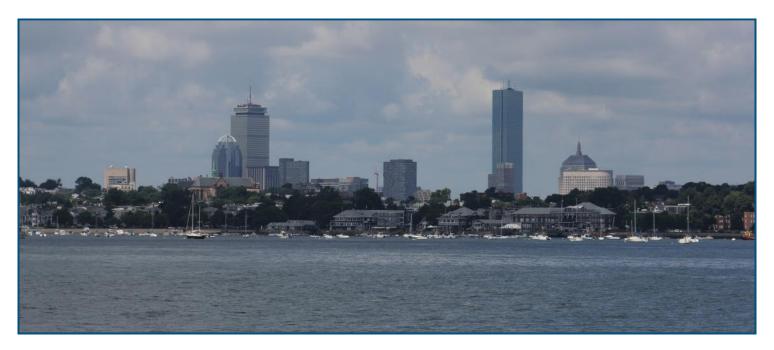


1973 - THE BOSTON CHAPTER - 2018 P.O. Box 111, East Walpole, MA 02032

Where Quality and Professionalism are an every day standard!

Chapters are not authorized to speak for the Society

Volume 45, Issue 7



Next Meeting

TUESDAY, MARCH 13, 2018

The Chateau ANDOVER, MA

WHAT'S IN THIS ISSUE

Legislative 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
President's Report	12

Society email aspe@aspe.org Society Website www.aspe.org

Boston Chapter Website www.aspebostonchapter.org



Legislative Report

The revised Massachusetts Blue Book for National Grid Gas Metering has been finalized. Revision date July 1, 2017. The following are some key references:

Section 5.1.2, p. 13: Service Installations - One gas service per building unless there is a firewall isolating each service area

Section 6.4.2, p. 15: Gas Pressure- NGRID will not approve elevated pressure for reduced pipe size, only when the equipment calls for it (Engineering must approve.)

Section 7.2.1, p. 17: Meter Locations- All meters are to be placed on the outside of any building

Section 7.2.3, p. 17 Outside and inside gas shut-off valves shall be readily accessible at all times to National Grid and emergency service personnel and shall not be covered or obstructed.

Section 7.2.3, p. 17 Outside and inside gas shut-off valves shall be readily accessible at all times to National Grid and emergency service personnel and shall not be covered or obstructed.

Section 9.1.2, p. 31 CO ALARMS

- Carbon Monoxide (CO) is a highly toxic gas. It is the product of incomplete combustion of fossil fuels such as oil, natural gas, propane, gasoline, wood and coal. CO is very dangerous because it is colorless, odorless and tasteless.
- Massachusetts Codes require the installation of CO Alarms in all new and existing 1 and 2
 family houses, apartment buildings, hotels dormitories, nursing homes and schools, where
 fossil fuel burning furnaces or boilers are installed.
- National Grid recommends the installation of CO Alarms in all areas and recommends annual maintenance of the heating system.

If you would like a PDF copy of the Massachusetts Blue Book for National Grid Gas You may contact Robert Lombardi, the Sr. Complex Commercial Sales Representative for National Grid at Robert.Lombardi@nationalgrid.com or (978) 500-3613

By Luther Thevenin, CPD, VP Legislative

President
Ed Nadeau
AHA Engineering
Tel: (781) - 372 - 3173

email: Edward _Nadeau@aha-engineers.com

V. P. Technical Chris Curran AHA Engineering Tel: (781) - 372 - 3175

email: Chris Curran@aha-engineers.com

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

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

Treasurer
Richard Pokorny
J. H. Pokorny Associates
Tel: (781) - 762 - 2661
email: richn@ihnokorny.net

email: richp@jhpokorny.net Administrative Secretary Gregg McCarthy

The Walter F. Morris Company Tel: (508) - 989 - 9024

email: gmccarthy@morrismerchants.com

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

Education Chairman
Zachary Rohlfs, PE
Bard, Rao + Athanas Consulting Engineers, LLC
Tel: (617) - 925 - 8209
email: ZRohlfs@brplusa.com

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

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

Board of Governors Chairman Laurence D. Johnston, CPD Members Kevin W. Lally, CET Rich Dean, CPD

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:





Proud to Represent



173 Spark Street, Brockton, MA 02302 Phone: 508-894-2000 | Fax: 508-894-2001 <u>Inside@goodingd.com</u> | www.goodingd.com



Proud to Represent



173 Spark Street, Brockton, MA 02302 Phone: 508-894-2000 | Fax: 508-894-2001 <u>Inside@goodingd.com</u> | www.goodingd.com <u>Inside@goodingd.com</u> | www.goodingd.com





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



Established 1942 JH Pokorny Associates 1502 Providence Hwy Norwood, MA 02062 Ph: (781) 762-2661 Fax: (781-762-5949 www.jhpokorny.net

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





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.

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

www.emersonswan.com











Plumbing and Fire Protection Engineer

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!

Responsibilities:

- Prepare basic deliverables and products including calculations, drawings, and specifications
- Set deadlines and assigns responsibilities
- Examine field conditions as required to support development and completion of projects
- 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
- Develop project specifications
- Attend meetings with architects, owners and building managers to discuss future and or current projects
- Assist in business development by pursuing new work including participation in client presentations
- Assist in the firm's human resource efforts through training and mentoring junior firm members

If you would like to find out more please email: Klacroix@afkgroup.com





EMERGENCY EYEWASH & SHOWER TECHNOLOGY

Represented by J.H. Pokorny Assoc., LLC 781-762-2661





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







NEXT MEETING *TUESDAY, MARCH13th, 2018*

The Chateau, Andover, MA

Speaker: Mr. Chris Curran

Hot Water Recirculation How, When & Why

PROGRAM SCHEDULE

 Social Hour
 5:00 - 6:00

 Dinner
 6:00 - 6:45

 Chapter Business
 6:45 - 7:00

 Speaker / Technical Session
 7:00 - 8:30

MENU

To Be Determined

MEETING RESERVATIONS

\$25.00 ONLINE Reservation
(Please use the electronic invitation sent to you)

\$40.00 W/O Reservation

Retired & Currently Unemployed Members Free Please reserve by WEDNESDAY, March 7, 2018

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 Member: ASPE, NFPA, AFSA, NFSA, BBB

ASPE DOSTON

ICE SKATING AT OND EROG

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!





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



Membership Report

New Boston Chapter Members

The Boston Chapter ASPE would like to welcome our five new members:

Anthony Capuano Associate Member Stoneham, MA Steven Martel P.E. Full Member Steep Falls, ME Frederick Fleming Affiliate Member **Tower Hill Sales** Belmont, NH Brian Adams **Full Member** Gordian Rockland, MA Russell Drummey P.E. **Full Member** Cullinane Eng. Randolph, MA

Membership Reminders

The following members are due to renew their membership ASAP or risk being dropped. If you are on this list, please call the Society Membership Office at 847-296-0002 and renew your membership over the phone:

Stephen Akian CPD Mark Gagnon Shaun Gallano Joseph G. Kijowski Jr. Robert F. Kirschner

February Renewals

The following Chapter members had a February renewal date. If you haven't rejoined already, please call the Society Membership Office at 847-296-0002 and renew your membership over the phone:

Joseph P. Barrell Jr.

Shawn D. McCurdy
Seshappa Chandrashekar P.E.

Eduard Doraci
Bradley Gahagan G.E.

Nikolao Giakoumidis CPD
Robert E. Jackson CPD-Retired
Anne N. Kubota

Shawn D. McCurdy
Walid M. Nicolas
Jay A. Pinard
Scott M. Rieder
Zachary Rohlfs
Rocco Rossi P.E., CPD
Belinda Stansbury

March Membership Renewals

The following members need to renew their membership before March 31st if they haven't already done so:

Thomas Betteridge P.E., CPD Robert Nesselle Jonathan Boie Jimmie W. Ng Peter Rogers P.E. Mark Brady Jacob Demars Derek L. Sylvia CPD, CET Kien Diep Terry Szeto Kenneth Kelly LEED AP, CPD Paul R. Taylor III, CET, CPD John P. Kitsalis P.E. Luther Thevenin CPD Ryan McCarthy P.E. Joseph A. Vela, Sr. CPD, FASPE Timothy McDonnell Shane Wise CPD James Nadeau CPD

I Can't Stress this Enough...Update Your ASPE Contact Information!

EVERY Member needs to log on to www.aspe.org and update their contact information. If you haven't logged in within the past 6 months, or you moved or changed jobs recently, please verify your contact information is up to date.

A large percentage of our members have outdated contact information and it really is a colossal waste of my time trying to keep track of who moved where, who didn't get their renewal notice, whose emails are going to their old office, etc. etc. You get the point. Please update your contact information. Thanks

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

ASPE Nontoring This program, which is available to all members of the Society, has been designed to connect ASPE ASPE To gram, which is available to all members of the Society, has been designed to connect ASPE

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





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 Rohlfs zrohlfs@brplusa.com."

Thank you, Zach ASPE Boston Education Chair



Patrick J. Haney

Represented by: WP Haney Co. 51 Norfolk Ave. South Easton, MA 02375 Phone (508) 238-2030 Fax (508) 238-8353 Cell (508) 326-7056



77 GREEN STREET • FOXBORO, MA P:(800) 888-1922 F: (800) 888-1942

























Robert N. Littman Vice President

6 Norfolk Avenue, South Easton, MA 02375 © (508) 230-9445 Fax (508) 230-9446 Cell (617) 921-1017 rlittman@airenergy.com



- Air Compressors
- Vacuum

Pumps & Systems

- Air Treatment Products
- Sales/Service/Rentals
- Dryers Filters
- 24-Hour Service

Web: www.airenergy.com



Technical Report



Moving into March like a lion. Spring is almost here!

I don't know about all of you, but I'm enjoying seeing the sun set later each day. Now if I could just get out of the office while the sun is still out. I'm writing this now as I watch the twilight slipping away. Here's hoping you folks are having a little bit more luck getting out of the office, but from talking to many of you.... You're in the same boat. Being busy is always better than the alternative as they say. Your ASPE Boston chapter is very busy as well, and we are not slowing down.

Many of you were able to turn out for our lunch time meeting in February, and that was a great sign. We had close to 50 people in attendance to listen to Mr. Eddie Van Giesen talk to us about rainwater harvesting systems. Personally, I thought it was a very good and thought-provoking presentation that taught us that while no two systems are exactly alike, there is also no reason to always reinvent the wheel. Although rainwater systems are somewhat new to many of us, they are, at their core, not very complex systems. Collect rainwater on a roof, convey through pipes and a good pre-filter into a large storage tank, transfer out of tank through treatment system, and pressurize and distribute to points of use. Simple.

Obviously, it's not all that simple, but Eddie was able to simplify things and keep the presentation informative without getting too deep into the details. Warning against the pitfalls of oversizing, under sizing, that not all pre-treatments or post treatment systems are the right fit for every system. I would like to thank Mr. Van Giesen again for the presentation.

Reminder: Our next monthly chapter meeting is to be held at The Chateau in Andover, MA.

The technical topic and presentation shall be as follows:

March 13th, 2018 @ The Chateau in Andover, MA

Main Topic – Hot Water Recirculation – How, When, & Why?

Presenter – Chris Curran

Chris Curran is a Senior Associate | Plumbing Project Engineer at AHA Consulting Engineers in Cambridge, MA. He graduated with a BSMET from Northeastern University in 2015. Chris has been designing plumbing & fire protection systems in the MEP world since 2002, and working in the engineering field since 1996. Mr. Curran passed the ASPE CPD exam in 2007, and has been a member of the Boston Chapter since 2004.

As mentioned in the past, I am trying to have presentations on systems and equipment which I have seen misapplied, overlooked, or maybe just not done "right". While there are many "right" ways to do things, there are many wrong ways to do them as well. This month I will be presenting on hot water recirculation systems. I have seen many oversized pumps and piping systems installed over the years, many more than undersized. You might ask, what's the big deal? We'll talk about what the big deal is. The plan is to provide a brief intro as to why we recirculate, but will focus more on the how. This is one of those systems that gets overlooked a lot, and a lot of "rules of thumb" are used to size them. I want to show a little bit how tools like Revit and/or other BIM programs can not only take a lot of the guess work out of sizing these systems, but can really speed up the process, and help you engineer systems that are more "right" sized.

This will be a bit of 101 and a bit of more advanced methods and applications, so please come on up to Andover to check it out, learn something, heckle the presenter, or just to network. Hope to see you then.

Upcoming Technical Events:

April 2018 – This will be our annual joint meeting with the <u>Greater Boston Plumbing Contractors Association (GBPCA)</u>. The GBPCA will be hosting this event at <u>Lombardo's</u> in Randolph, MA (Next door to Lantana's.) Joe McNamee, the Interim Head of the Plumbing Board is coming to introduce himself and discuss decisions of the plumbing board that have been or will be made. This should be a very informative night, and can give many of us a chance to ask some of the code related questions we may have. Highly suggested that every firm has some representation at this meeting.

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 curran@aha-engineers.

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

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@ihpokorny.net

KIRSCHNER ASSOCIATES, INC.

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

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









www.jhpokorny.net getinfo@jhpokorny.net

1502 Providence Highway Norwood, MA 02062 Tel (781) 762 - 2661 Fax (781) 762 - 5949 Proud to Represent:

Big Dipper
Georg Fischer
Guardian
Just
Kaldewei
Karp
Leonard Valve
McGuire
Metcraft
Oasis
Sloan
Trapzilla
WaterSaver

Index of Paid Advertisers

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

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

For additional information please contact:

Todd Stevens (617) 686-8849 tstevens@cannistraro.com

New England Association
Of
Fire Protection System Designers



CALENDAR OF EVENTS

DATE	EVENT / HOLIDAY	LOCATION
March 7, 2018	Mass Plumbing Board Meeting - Variances & Waivers, 1st Meeting	1000 Washington Street, Boston
March 13, 2018	ASPE Boston Chapter Monthly Meeting	The Chateau, Andover, MA
March 28, 2018	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting	1000 Washington Street, Boston
April 4, 2018	Mass Plumbing Board Meeting - Variances & Waivers, 1st 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 nd Meeting	1000 Washington Street, Boston
May 2, 2018	Mass Plumbing Board Meeting - Variances & Waivers, 1st Meeting	1000 Washington Street, Boston
May 2018	ASPE Boston Chapter Monthly Meeting - Facility Tour	TBD
May 30, 2018	Mass Plumbing Board Meeting - Exam Waivers/CORI Reports, 2 nd Meeting	1000 Washington Street, Boston



781 337 8888 www.necombustion.com



Instantaneous, Tankless Hot Water Heaters. Cycle-Proof, Scale-Free Expandable 316L Floating HE.



RBI Heaters & Boilers, one of the MESTEK product lines.



Header &Frame.



Atlantic Containment
Anvil
Armstrong
BathAid
Cambridge Lee
Endot
Fernco
Gruylock

Hansgrohe

HeatFab Heat-Flo Hydrapro Ideal Jacuzzi Keeney Lyall Navien NIBCO NA Pipe Corp OCS Oetiker Panasonic Recor Roth TOTO Tundra

Phone: 508-894-2000 www.goodingd.com



President's Report

This past February, we had a lunch time meeting at 290 Congress Street; where Eddie Van Gisen from BRAE, Watts Water Technology spoke about rainwater harvesting. These, lunch time meetings have been very well attended and we will plan on having another lunch time meeting in the fall.

By the time you read this article our CPD review course will be under way. If you are interested in taking the exam, there is still time, as the registration closes on March 22, 2018. If you want to take this test, please visit. https://aspe.org/CPDExam. Again, the test is on April 5 or 6 2018.

Are you in the need of some CEU? Or do you just want to test your plumbing knowledge? ASPE can help you accumulate the CEUs required for maintaining your Certified in Plumbing Design (CPD) or numerous regulatory – agency CE programs, please visit https://aspe.org/read-learn-earn-articles.

The March meeting will be at the Chateau Restaurant in Andover, MA. This event will be held on Tuesday March 13, 2018. The topic and speaker will be very unique, as we have our very own VP Technical Chris Curran, presenting Hot Water Return.

Hope to see you in March!

Best Regards, Edward Nadeau, ASPE Boston Chapter, President