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Volume 43, Issue 5



Next Meeting

TUESDAY, January 12, 2016

CHATEAU ANDOVER, MA

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

Boston Chapter Website www.aspebostonchapter.org



President's Report

The December Joint meeting with ASHRAE was well attended. Mr. Thomas Watson presented an overview of ANSI/ASHRAE 188-2015 Legionellosis This standard is available free on line if you are interested in reading it. You will find a lot more details in "December Meeting Wrap up" part of the Technical report.

Our monthly meetings are twofold. One is education so if there is a particular subject you are interested in please contact Ed, myself or any other Board member and let us know what it is. Second being networking and getting to know your fellow plumbing design professionals from different firms.

We need your help in making your reservations for our monthly meetings. Please make your on line reservations as soon as you get your broadcast email or newsletter. This will help us and the facility set up the room and prepare food for us. The last thing on earth we want to do is not have space of food for you. Please help us help you.

By the time you read this you could be the middle of your holiday or it could be 2016. Either way, the Board and I hope you had or are having a great holiday and happy New Year. This past year has gone by so fast I can't believe I even just typed 2016.

In past years we took up a collection for Toys for Tots. We didn't this year. Not because I didn't want to, but because I believe that you should give to your local charity or food panty or whatever organization you see fit.

I hope to see you all January 12 at the Chateau Andover.

Happy New Year

Laurence D. Johnston CPD, President, Boston Chapter ASPE



Special Membership Deal for Past ASPE Members Are you a past member of ASPE? Well we want you back!

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- ASPE Young Professionals special-interest
- onal workshops on plumbing system



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e-mail: ljohnston@cosentini-ma.com

V. P. Technical Ed Nadeau

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e-mail: enadeau@vanderweil.com

V. P. Legislative

Luther Thevenin, CPD

Cosentini Associates, Inc. Tel: (617) - 748 - 7800

e-mail: lthevenin@cosentini-ma.com

V. P. Membershin

John Callahan, CPD

J. H. Pokorny Associates

Tel: (781) - 762 - 2661

e-mail: johnc@jhpokorny.net

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e-mail: richp@jhpokorny.net

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Viega, LLC

Tel: (603) - 475 - 2445

e-mail: Paul.Jappe@viega.us

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W. P. Haney Company

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Tel: (617) - 502 - 3546

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Affiliate Liaison

Jeff Gooding

David Gooding Inc. Tel: (401) - 639 - 4419

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ASPENEWS Editor

Dawn Pokorny

Tel: (508) - 520 - 0133

e-mail: dawnp@jhpokorny.net

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Technical Report

Wow, did last year fly by! I hope that everyone's holidays were great like mine. Now that this is the time of the year for everyone to make and keep their New Year's resolution; I hope going to more ASPE meeting is on that list. We will be having a lot of interesting small topics this year, as well as our first AYP (ASPE young professional event)! More information to follow.

This Past month we had our joint meeting with ASHRAE; in which Mr. Thomas E. Watson presented the ANSI/ASHRAE 188-2015 Legionellosis: Risk Management for Building Water Systems. Don't be fooled by the title ASPE; The CDC and a few other organizations are involved. The purpose of this standard is to establish *minimum* Legionellosis risk management requirements for the building water systems. Below is a list of the specific requirements for this standard; as well as the types of buildings that are most susceptible for having Legionellosis break outs.

Specific requirements in the standard include:

Minimum Legionellosis risk management requirements for buildings and their associated potable and non-potable water systems. Establishment by building owners of a Program Team and (in turn) a Water Management Program for which they are responsible in order to comply with the standard.

Provision of specific and detailed requirements for what Legionellosis control strategies must accomplish and how they are to be documented – but, does not provide (or place restrictions on) what specific strategies are to be used or applied.

Types of buildings included in this standard:

Multiple housing units with one or more centralized heating units. Buildings with more than 10 stories (including levels below grade).

Healthcare buildings Nursing homes

Legionellosis is an aquatic bacteria. There are over 58 species or strands of this bacteria. Only one is responsible for up to 90 percent of the lethal cases; Legionellosis Legionnaires disease.

The disease has a greater impact on at risk individuals.

This bacteria is present in most water supplies that are not treated. It can be detected in the biofilms of potable water as well as cooling tower water.

Some jurisdictions have adopted only the cooling tower portions of this stand and not the potable water. This is a mistake as Legionellosis is everywhere.

ASHRAE allows you to review this document for free. Go to www.ASHRAE.org/standards

January Technical Topic and Meeting

The January technical topic will be on the Design Parameters of Rain Water Harvesting. This meeting will be held on January 12, 2016 in Andover MA at the Chateau; located 131 River Rd, Andover MA 0180. The session will focus on the concept of Rain Water Harvesting and provide a more detailed discussion of the challenges associated with practice through commercial studies on installations in several different locations of the United States. The session will be presented by Mr. Eddie Van Giesen. He is the National Sales Manager and regulatory affairs advisor for Brae/Watts Rainwater Technologies. He has extensive experience in the design and installation of commercial and residential rainwater systems. He speaks regularly on the subject at national conferences to architects, engineers and government officials.

He was principal author of "Georgia Rainwater Harvesting Guidelines" (GA Department of Community Affairs, 2009) and co-author of "Designing Rainwater Harvesting Systems" (Wiley & Sons, 2014).

Just a few reminders:

- The February monthly meeting will be held on the second Wednesday of the month (2/10/16) located at The Lantana in Randolph. The technical topic will be on Nitrogen Generation for labs.
- The March monthly meeting will also be held on the second Wednesday of the month (3/9/16) located at The Lantana in Randolph. The technical topic will be on pressure regulating and safety shutoff in commercial natural gas applications.
- The April monthly meeting will be a joint meeting with the Greater Boston Plumbing Contractors Association (GBPCA). This meeting will be held on third the Thursday of the month (4/21/16). The technical topic is TBD.
- The May monthly meeting will be held on the second Tuesday of the month (5/10/16) location TBD. The technical topic will be on Sovents.
 - * Please note these topics are subject to change. For a more up-to-date schedule please refer to our monthly newsletter and the website. http://www.aspebostonchapter.org/

Best Regards, Ed Nadeau, VP Technical, ASPE Boston Chapter



Membership News

New Members

The Boston Chapter ASPE would like to welcome the following six new members:

Gustavo Preston Michele Spingel Full Member George Carney JJM Boiler Works Affiliate Member John O'Brien Cosentini Engineers Full Member John MacLeod Follin Flow Controls Affiliate Member Associate Member Edward LaRiviere Cosentini Engineers Jason Allison **Full Member** Viega

Members Who Need to Renew

According to the latest roster received from Society, we still have a large number of members who still need to renew their membership for December. If you've already renewed since this was written, great, but if not, please do so promptly so you are not removed from our chapter roster and newsletter mailing list. We don't want to see you go. If you work with one of these esteemed members can you please give them a friendly reminder and let them know that they are overdue to renew their ASPE membership if they haven't done so already..

Bryan Bucchianeri G.E. Rajesh Kaul P.E., CPD Gary Serpa
Stephen Byron Sean Kelly Robert Smith Sr
Greg Campbell Robert F. Kirschner Donald Tauer
Vasco Demelo Timothy Mahoney G.E., CPD Marc Wall

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Alan Gray Rick Neth EIT

Michael Hickey P.E. Kevin Nogueira CPDT

Membership Drive - New or Reinstated Members only \$100

The Boston Chapter is running a membership drive and for a limited time, it will only cost you \$100 to become an ASPE member. If you sign up as a new member it will only cost you \$100 because the Boston Chapter will pay the remainder of the membership fee for the first year.

If you join as a Full Member, you pay \$100 and the chapter will pay the remaining \$90.

If you join as an Associate Member, you pay \$100 and the chapter will pay the remaining \$70.

If you join as a Affiliate Member, you pay \$100 and the chapter will pay the remaining \$90.

If you join as a Special or Government Member, you pay \$100 and the chapter will pay the remaining \$90.

If you join as a new Student Member, the chapter will pay the entire \$30 membership fee.

Great deal, right? All you have to do is two easy steps, we will do all the rest.

Download the *Membership Application* from the www.aspebostonchapter.org website and fill it out Send it with your \$100 payment to: John Callahan c/o J.H. Pokorny Associates 1502 Providence Highway Norwood, MA 02062

If your ASPE Membership has lapsed for more than a year, you can rejoin for only \$100 in just two easy steps.

Download the *Reinstatement Application* from the the www.aspebostonchapter.org website and fill it out Send it with your \$100 payment to: American Society of Plumbing Engineers 6400 Shafer Court, Suite 350 Rosemont, IL 60018

It couldn't be any simpler than that, so what are you waiting for?

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

The December monthly technical meeting was held at the Embassy Suites Hotel in Waltham, MA. It was a joint meeting with the Boston Chapter of ASHRAE and the technical topic for the evening was Legionella. As you can see from the photo, it was a packed room with 35 ASPE members in attendance.



Legislative Report

There are many plumbing terminologies that are used in the plumbing industry. Some of these terminologies might not be famil-

iar to you. The following are plumbing terms and definitions that you may encounter in the plumbing design and engineering industries. (Continued from the October 2015 Article)

Can pump (Fire Pump): A vertical-shaft, turbine-type pump in a can (suction vessel) for installation in a pipeline to raise water pressure.

Outfall sewers: Sewers receiving the sewage from a collection system and carrying it to the point of final discharge or treatment. They are usually the largest sewers of an entire system.

Revent pipe: That part of a vent pipe line that connects directly with an individual waste pipe or group of waste pipes, underneath or at the back of the fixture, and extends either to the main or branch vent pipe. Also known as INDIVIDUAL VENT.

Putrefaction: Biological decomposition of organic matter with the production of ill-smelling products; usually takes place when there is a deficiency of oxygen.

Nominal value: A value assigned for the purpose of convenient designation, existing in name only.

Acrylonitrile-butadiene-styrene: A thermoplastic compound from which fittings, pipe, and tubing are made.

Active sludge: Sewage sediment, rich in destructive bacteria, that can be used to break down fresh sewage more quickly.

Arterial vent: A vent serving the building drain and the public sewer.

Anaerobic: (re: bacteria) Living or active in the absence of free oxygen.

Elutriation: A process of sludge conditioning in which certain constituents are removed by successive decontaminations with fresh water or plant effluent, thereby reducing the demand for conditioning chemicals.

Dross: 1. The solid scum that forms on the surface of a metal, as lead or antimony, when it is molten or melting, largely as a result of oxidation but sometimes because of the rising of dirt and impurities to the surface. 2. Waste or foreign matter mixed with a substance or left as a residue after that substance has been used or processed.

If you are interested in learning more plumbing terminologies and their definitions, they can be found in the ASPE Plumbing Engineering Design Handbook Volume 1.

Luther Thevenin, CPD, VP Legislative





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Next Meeting

TUESDAY, January 12th, 2015

The Chateau, Andover, MA

MAIN PROGRAM

Design Parameters for Rain Water Harvesting

SPEAKER

Mr. Eddie Van Giesen

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

Choice of: Chicken Parmagiana, Marinated Sirloin Tips or Baked Stuffed Scallops Ice Cream Roll

MEETING RESERVATIONS

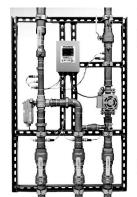
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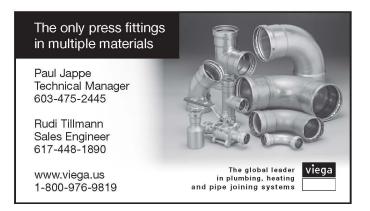
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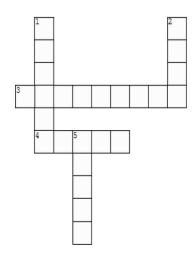
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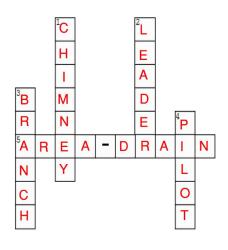
- 3. A vertical pipe generally used for the storage and distribution of water for fi re extinguishing
- 4. A water supply pipe that extends vertically one full story or more to convey water to branches or fixtures

Down

- 1. A device through which fluid is passed to separate contaminants from it
- 2. The lowest portion or lowest point of a stack of vertical pipe
- 5. The vertical main of a system of soil, waste, or vent piping extending through one or more stories

Answers will be posted in the Feb. 2016 news letter

Answers from Dec. 2015 crossword





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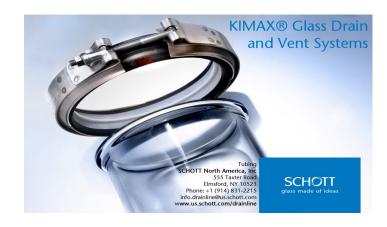


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