

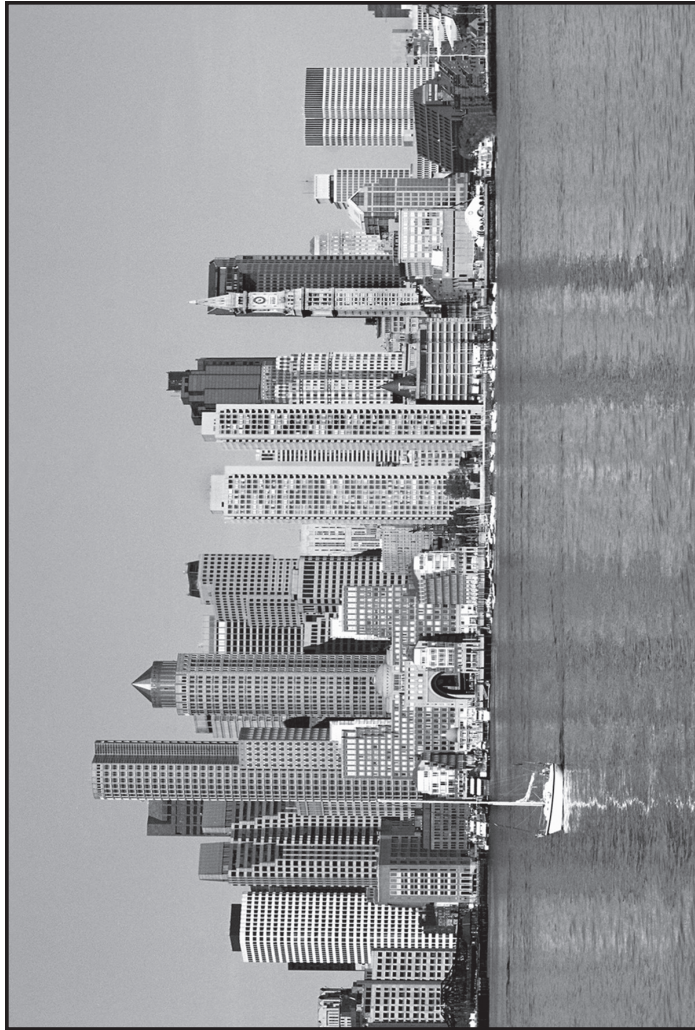


THE AMERICAN SOCIETY OF PLUMBING ENGINEERS

# ASPENEWS

1973 - THE BOSTON CHAPTER - 2010

A.S.P.E. - P.O. Box 111, East Walpole, MA 02032 - Vol. 37, Issue 9



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Society email [aspehq@aol.com](mailto:aspehq@aol.com)

Society Website [www.aspe.com](http://www.aspe.com)

Boston Chapter Website [www.aspebostonchapter.org](http://www.aspebostonchapter.org)

## Next Meeting

***Tuesday, May 11, 2010***

*The Lantana, Randolph, MA*

## MAIN PROGRAM

**Pools, Spas & Fountains**  
***Presented By: Mr. Bill Brady***

## PROGRAM SCHEDULE

Social Hour	5:00 – 6:00
Dinner	6:00 – 7:00
Chapter Business	6:45 – 7:00
Speaker / Technical Session	7:00 – 8:30

## MENU

Iceberg Wedge Salad, Roast Beef  
& Chocolate Layer Cake

## MEETING RESERVATIONS

**\$30.00 Reservation**

**\$40.00 W/O Reservation**

**Retired & Currently Unemployed Members are Free**

Please reserve by **Friday, May 7th, 2010**

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## Membership News

### New Chapter Members

The Boston Chapter has six new members this month to whom we would like to say welcome.

Mark Chadbourne, PE	MEP Design	Old Town, ME	Full
Ruykeme Ejofodomi	RDK Engineers	Boston, MA	Associate
Jacob Garner	Allied Engineering	Warwick, RI	Associate
Michael Pensack	WSB Flak & Kurtz	Boston, MA	Full
Steven Tierney	Flexhead Industries	Holliston, MA	Affiliate
Christopher Lezak	Liebert Engineering	Charlotte, VT	Full

The Chapter now has a total of 313 members.

### ASPE Summer Outing

If you haven't signed up yet for the Boston Chapter Summer Outing at Canobie Lake Park, this will be your final opportunity. A number of spaces are still available but we are limited to a maximum of 99 attendees. Once we hit 99, that's it.

The Board of Directors has agreed to underwrite a large portion of the cost for the admission ticket and cookout. Times are tough for many ASPE families and we can appreciate that money is tight. That's why the chapter is trying to help its members by making a family day at Canobie Lake Park much more affordable. For \$30 per adult and \$20 per child 16 or younger, you will enjoy a two hour All-You-Can-Eat summer barbeque from noon to 2 pm. The rest of the day you can spend anyway you want, riding the rides, cooling off on the water rides, watching the various shows, playing games, or relaxing on a bench in the shade of the trees.

I have been taking my boys there for the last few years, and it's a nice, clean, safe amusement park with dozens of new rides and attractions. I was told that that may not have been the case some years ago. Do yourself a favor and send in the reservation form for you and your family. Take a day off and treat the family to some good old fashioned fun. I hope to see you there.

### April Meeting at British Beer Company

I don't know if everyone else's monthly report in this newsletter is going to mention last month's meeting venue, but I will. In a sense, it does relate to the membership report. The last meeting was held in a private room at the British Beer Company in Walpole. It was well attended, but to be honest, I thought even more members would have taken the opportunity to enjoy a change of scenery for once. It was a nice change of venue. It was also nice having a variety of appetizers instead of the standard Lantana meatballs, as well as a choice of entrée. Great meeting, and I enjoyed staying afterwards with everyone just to socialize a bit more.

As a member of the Board of Directors for this chapter, we are always looking for ways to improve what we have to offer to our members. If changing the meeting location a few months a year makes it more convenient for members to attend, we certainly will consider making the move. If you have a suggestion for a future meeting location, by all means suggest it. Certainly there are numerous North Shore and MetroWest locations that would be perfect for a monthly meeting. Whether you send your suggestions to me or any other member of the board, we will look into it. We want you to attend meetings, and other chapter events. Whatever we can do to encourage your participation we will do. Let us know your thoughts and suggestions.

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

## Code Updates Section

### NOTICE!!! FROM CITY OF BOSTON ISD

Please be advised that the city of Boston will only accept a minimum of 2 1/2 inch threaded Fire Department connections for residential sprinkler systems. No quick connection devices allowed. NFPA 13-R and NFPA 13-D suggest minimum sizes for fire Department connections that are not compatible with the Boston fire Department requirement for 2 1/2 inch for residential applications. The connection will be reviewed per 780 CMR prior permit issuance as well as field inspected at Certificates Of Occupancy close outs.

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**ASPENEWS Editor**  
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**Tel: (508) - 520 - 0133**  
**Fax: (781) - 762 - 5949**  
**e-mail: dawnp@jhpokorny.net**

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**William F. Hughes, CPD**



## Technical Report

### News from ASPE Society

The Boston Chapter Board of Directors has been informed that everyone should have received his or her new copy of *Plumbing Engineering Design Handbook Volume 1*. VP Technical Bill Hughes CPD, LEED AP, has requested that you read the special dedication ... in memory of John Norman Parks CET, CPD. As I have said before this is a small token of our appreciation for a man that was dedicated and had a great love for this Society." We depend on each other to make this professional society work. You may not have known Norman Parks, but you certainly were impacted by his efforts in maintaining the organization.

### Plumbing Engineering Design Handbook updates:

There is a need for a person to chair the next revision of Volume 1. The schedule for this next update is 4 years from now. It does at first appear to be early for this request but we need to get out in front of the issues.

The Technical & Research Committee along with the Volume 2 Chairman Jim Rogers CPD are currently reviewing Volume 2, all but one of the first drafts of the chapters has been submitted, and the committee has completed reviewing almost all of the first drafts that have been submitted. The committee is also currently reviewing some of the revised chapters to be finalized before being indexed. *Plumbing Engineering Design Handbook Volume 2* has a scheduled delivery date to the membership in January 2011.

The Technical & Research Committee is also started reviewing the first drafts of chapters of *Plumbing Engineering Design Handbook Volume 3*.

Luther Ellis has volunteered as Chairman of Volume 4. Luther is in the process of looking for authors of the various chapters so if you are interested in working on any chapter of this book please do not hesitate to contact Bill Hughes, CPD.

### Technical Publications Updates:

The following is an update of the publications that are currently in development or in the planning stages.

The Pumps and Pumping Systems Handbook has run into a roadblock the people that were interested in rewriting the book have decided not to take on the project. If you know of someone or if you are interested in the rewrite of the book please contact Bill Hughes, CPD.

Water Reuse and Reclaim Water Handbook is currently well under way.

ASPE Plumbing Code Engineering Design Manual is in final layout with delivery scheduled before the convention.

Site Utilities Handbook for Plumbing Engineers Tim Smith has volunteered to work on the publication.

Hunter Papers softbound book of Hunters original papers is currently in layout hopefully will be ready for sale by early this summer.

The ASPE Jargon of Plumbing is currently being reviewed by a group of plumbing engineers. This book is also planned for sale by early this summer.

User-friendly CD of XL spreadsheets to complement the ASPE Tables Book is also being developed and it will be ready for sale by early this summer.

Other potential topics that I am still seeking author(s) for are:

High-Rise Plumbing Book

How to use the new Tables Book

Hospitals and Health Care Facilities and Design Handbook Self-Contained Buildings

If you know of some that wants to be involved in the production of any of these publications, please have them contact: Bill Hughes at [aspeatl@aspe.org](mailto:aspeatl@aspe.org) or [bhughes@rgb.net](mailto:bhughes@rgb.net)

(Continued on page 7)

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## Legislative Report

This is a continuation of December 2009 article relating to NFPA 99 Health Care Facilities 2005. Below are a couple of shortened sections of NFPA 99 2005 that were changed or added.

5.1.3.5.3.2 Medical air compressor systems shall consist of the following:

(6) Piping and components between the compressor and the source shut-off valve

(7) Except as defined in 5.1.3.5.3.2 (1) through 5.1.3.5.3.2(6), materials and devices used between the intake and the source valve shall be permitted to be of any design or construction as determined by the manufacturer.

5.1.3.5.4 Compressors for Medical Air.

5.1.3.5.4.1\* Compressors for medical air shall be designed to prevent the introduction of contaminants into the pipeline by any of the following methods:

(1) Elimination of oil in the compressor (e.g., liquid ring and permanently sealed bearing compressors)

(2) Reciprocating compressors with a separation of oil-containing section from the compression chamber by a minimum of two seals creating an area open to atmosphere that allows the following:

(a) Direct and unobstructed visual inspection of the interconnecting shaft through openings no smaller than 1.5 shaft diameters in size.

5.1.3.5.4.3 Compressors to be constructed of materials manufacturer determine suitable.

5.1.3.5.5.1 After coolers to be constructed of materials manufacturer determine suitable.

5.1.3.5.7 Medical Air Dryers shall meet the following requirements:

(3) Constructed of materials manufacturer determine suitable.

5.1.3.5.8 Medical Air Filters. Medical air filters shall meet the following requirements:

(5) Constructed of materials manufacturer determine suitable.

5.1.3.5.9 Medical Air Regulators. Medical air regulators shall meet the following requirements:

(2) Constructed of materials manufacturer determine suitable.

**To the right is a list of NFPA sections that have been updated for 2010. You may want to check your library.**

Thank you for reading,  
**Laurence D. Johnston, CPD,**  
**Deputy V.P. Legislative,**  
**Boston Chapter ASPE**

Doc. No.	Date	Doc. No.	Date
NFPA 10	2010.01.01	NFPA 400	2010.01.01
NFPA 11 AMD 1	2010.03.18	NFPA 405	2010.01.01
NFPA 11	2010.01.01	NFPA 408	2010.01.01
NFPA 13 ERTA	2010.03.18	NFPA 410	2010.01.01
NFPA 13	2010.01.01	NFPA 422	2010.01.01
NFPA 13 SET	2010.01.01	NFPA 423	2010.01.01
NFPA 13D	2010.01.01	NFPA 495	2010.01.01
NFPA 13E	2010.01.01	NFPA 498	2010.01.01
NFPA 13H	2010.01.01	NFPA 501	2010.01.01
NFPA 13R	2010.01.01	NFPA 520	2010.01.01
NFPA 14	2010.01.01	NFPA 551	2010.01.01
NFPA 20 AMD 1	2010.03.03	NFPA 600	2010.01.01
NFPA 20	2010.01.01	NFPA 601	2010.01.01
NFPA 20H	2010.01.01	NFPA 701	2010.01.01
NFPA 24	2010.01.01	NFPA 750	2010.01.01
NFPA 37	2010.01.01	NFPA 804	2010.01.01
NFPA 52	2010.01.01	NFPA 805	2010.01.01
NFPA 55 ERTA	2010.03.11	NFPA 806	2010.01.01
NFPA 55 ERTA	2010.01.11	NFPA 850	2010.01.01
NFPA 55	2010.01.01	NFPA 851	2010.01.01
NFPA 70B	2010.01.01	NFPA 853	2010.01.01
NFPA 72 AMD 4	2010.03.03	NFPA 909	2010.01.01
NFPA 72	2010.01.01	NFPA 914	2010.01.01
NFPA 72 HDBK SET	2010.01.01	NFPA 1003	2010.01.01
NFPA 72H	2010.01.01	NFPA 1123	2010.01.01
NFPA 80	2010.01.01	NFPA 1201	2010.01.01
NFPA 82 ERTA	2010.01.07	NFPA 1221	2010.01.01
NFPA 91	2010.01.01	NFPA 1250	2010.01.01
NFPA 99B	2010.01.01	NFPA 1407	2010.01.01
NFPA 101A	2010.01.01	NFPA 1410	2010.01.01
NFPA 105	2010.01.01	NFPA 1452	2010.01.01
NFPA 110	2010.01.01	NFPA 1581	2010.01.01
NFPA 111	2010.01.01	NFPA 1600	2010.01.01
NFPA 120	2010.01.01	NFPA 1620	2010.01.01
NFPA 122	2010.01.01	NFPA 1710	2010.01.01
NFPA 130	2010.01.01	NFPA 1720	2010.01.01
NFPA 211	2010.01.01	NFPA 1801	2010.01.01
NFPA 291	2010.01.01	NFPA 1931	2010.01.01
NFPA 302	2010.01.01	NFPA 1932	2010.01.01
NFPA 326	2010.01.01	NFPA 1936	2010.01.01
NFPA 329	2010.01.01	NFPA 1952	2010.01.01
		NFPA 2010	2010.01.01

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## DID ANYONE NOTICE?

At our April meeting at the British Beer Company water was not on the table. It was available if you asked and served in a 20 oz. beer glass.

I believe the attendants for the meeting was +/- 40 people, that equates to 800 oz. of water not served and an additional 2400 oz. of water not used to wash the glasses. (3 times the glass content for washing) a total of 3200 oz.

$3200 \times 0.02957 = 94.624$  liters  $\times 0.2642 = 24.999$  gallons of water saved.

In addition coffee was not served. One cup = 8 oz.  $\times 40 = 320$  oz. + 24 oz. (for cleaning) = 960 oz. or an additional 10 gallons of water saved for a grand total 35 gallons.

Nice work British Beer Company.

Submitted by, Joseph J. Barbera P.E. CPD

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1. How many gallons of water were saved at the April Monthly Meeting at the British Beer Company?
2. Will the Hunters Papers Book be soft-bound or hard-bound?



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(Continued from "Technical Report" page 3)

### **April Technical**

The technical topic for the April meeting was on High Purity Piping. I want to thank our very own Paul Galvin for the very informative presentation. The presentation was a great overview of the system types and materials that are commonly used. I have been trying to put highlights of the speaker's presentation in the newsletter however Paul has generously offered to put his presentation on the website. Once the details have been worked out we will let you know the exact location.

### **May Technical Topic & Speaker**

The May technical meeting will feature Mr. Bill Brady, PE, CPD, LEED AP. Bill is an active chapter member and a past president of the chapter. Bill will give us a presentation on Pools, Spas and Fountains. Bill has designed over 100 pools and spas, including fountains at the Venetian Casino and Resort in Las Vegas. If you already do not know Bill, he has many stories and anecdotes to share.

In closing, I want to emphasize how the monthly meetings are a great way to learn something new, sharpen your knowledge of what you already learned, and a great opportunity to network.

I certainly hope to see you at the next meeting.

By Rich Dean, CPD, V.P. Technical

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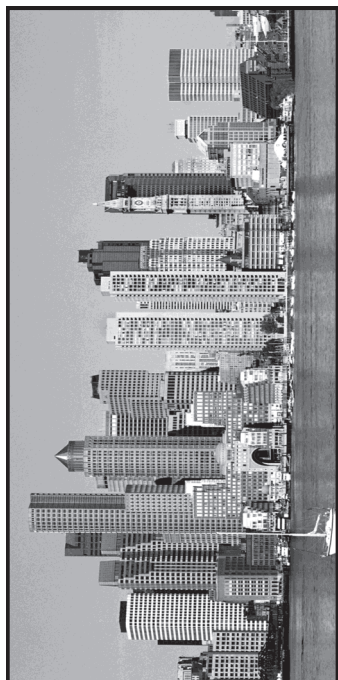
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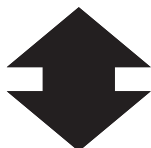
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