



THE AMERICAN SOCIETY OF PLUMBING ENGINEERS

ASPENEWS

1973 - THE BOSTON CHAPTER - 2007

A.S.P.E. - P.O. Box 111, East Walpole, MA 02032 - Vol. 34, Issue 9



WHAT'S IN THIS ISSUE

President's Report	2
Membership Report	2
Technical Report	3
Legislative Report	4
Board Update	4

Society email aspehq@aol.com

Society Website www.aspe.com

Boston Chapter Website www.aspebos.org

Next Meeting Tuesday, May 8th, 2007

The Lantana, Randolph, MA

MAIN PROGRAM

*KeySpan Energy Delivery Systems
Update on communications with KeySpan*

ELECTION NIGHT

GUEST SPEAKER

Mr. Michael Manning

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

Caesar Salad, Prime Rib of Beef, Medley of Vegetable
& Velvet Chocolate Mousse

MEETING RESERVATIONS

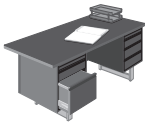
\$30.00 Reservation / \$40.00 W/O Reservation

Please reserve by **FRIDAY, May 4, 2007**

Contact Cathy @ W.P. Haney, (508) 238 – 2030

**Where Quality and Professionalism
are an every day standard!**

Chapters are not authorized to speak for the Society



President's Report

Our April 10, 2007 Chapter Meeting featured a one hour program by John M Rattenbury PE, CPD on Siphonic Roof Drainage. There were a total of 46 attendees, 15 affiliate members and 31 full members. Mr. Rattenbury explained that Siphonic Roof Drainage uses Full Bore Flow vs. Open Channel Flow and therefore the velocity is faster and the pipe size is smaller than conventional roof drainage. Mr. Rattenbury informed us that the first Siphonic Roof Drainage System installed in the USA was the New Boston Convention Center in 1999. At the present time there are approximately 18 completed installations with 11 projects in design. Mr. Rattenbury explained that Siphonic Roof Drainage is an Engineered System, to be designed, and installed under the care of an Engineer competent in Plumbing Engineering and Registered in the State of Installation.

Speakers Presentation was rated as Excellent.
The Topic was adequately Covered.
The Presentation was nonproprietary.

Our May Meeting will prove to be quite busy. In addition to our monthly speaker the meeting will also feature our Biennial Chapter Elections, and a special surprise. Please Bring your ballots to the meeting. Write in Candidates will be accepted.

This may be my last Presidents report, however I will still be around as Education Chairman with the mission of Starting a Student Satellite Chapter at Wentworth Institute of Technology. I will be continuing as the Chairman of ASPE NATIONAL PE Registration Committee, as ASPE/NSPE Liaison, as a member of NSPE licensure & Qualifications for Practice Committee, and probably as MSPE Secretary.

Our Biennial Product show is scheduled for November 13, 2007. We always need more volunteers. Speak to any board member to learn how you can help.

In the Summer Newsletter I will be talking about a draft of what will become a wave of change. The Structural Engineers are advocating the discipline specific registration, such as the case in the state of Illinois. The idea for consideration is to advocate making a structural designation rigorous and meaningful by requiring 4 years structural experience, passing of the structural I or II exam (TBD, probably II), and having taken at least 5 or 6 (TBD) structural courses beyond engineering mechanics. This might also apply to other disciplines in the future. NCEES has changed it Model Registration Law, effective January 2015, to require 150 Semester hours at an ABET accredited engineering school up from 120 Semester hours presently. These changes do nothing to fix the overall problem of Engineering Licensure, the fact that only 20 per cent of all Graduate Engineers are licensed. There must be changes in Engineering Registration, however these changes must be comprehensive and across all engineering disciplines.

Please check the Summer Newsletter for the remainder of this article!!!

By Alfred M. Marzullo PE, CPD, President, Boston Chapter ASPE
Chairman ASPE Registration Committee



Membership News

Our membership total now stands at 326. With your help we could get back to leading the country in membership numbers. Only we can make this happen. **Each member who sponsors a new member will receive a 10% reduction on any ASPE product or service including dues!**

The 18th Annual Golf Tournament is August 23, 2007 at the Easton Country Club, Easton, MA.

Please fill out your ASPE ballot prior to the May meeting. If you have any questions, please contact a board member.

By James P. Harrison, V.P. Membership, Boston Chapter ASPE

President
Alfred M. Marzullo, P.E., CPD
The Marzullo Group
Tel: (617) - 331 - 8714
Fax: (617) - 591 - 2086
e-mail: al@marzullo.com

V. P. Technical
Fredrick S. Neth, CIPE
Cosentini Associates
Tel: (617) - 494 - 9090 xt 327
Fax: (617) - 494 - 9292
e-mail: fneth@cosentini-ma.com

V. P. Legislative
Manuel B. Garcia, PE
Tel / Fax: (774) - 202 - 7677
e-mail: mgarcia43@comcast.net

Deputy V. P. Legislative
Frank Denisi
TRO Jung Brannen
Tel: (617) - 969 - 9400 ex. 123
Fax: (617) - 332 - 4669
e-mail: fdenisi@TRO.com

V. P. Membership
James P. Harrison
Symmons Industries
Tel: (781) - 848 - 2250
Fax: (781) - 843 - 3849
e-mail: jharrison@symmons.com

Treasurer
John H. Pokorny
J. H. Pokorny Associates
Tel: (781) - 762 - 2661
Fax: (781) - 762 - 5949
e-mail: johnp@jhpokorny.net

Administrative Secretary
Paul Galvin
George Fischer Sloane, Inc.
Tel: (501) - 658 - 1115
e-mail: paul.galvin@sloane.georgefischer.com

Corresponding Secretary
Patrick J. Haney
W. P. Haney Company
Tel: (508) - 238 - 2030
Fax: (508) - 238 - 8353
e-mail: phaney656@aol.com

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

Education Chairman
Joseph A. Vela, Sr. CIPE, CPD
Aspen Design Group
Tel: (401) - 339 - 1717
Fax: (401) - 658 - 2100
e-mail: jvela-aspen@cox.net

Board of Governors

Chairman
Joseph A. Vela, Sr., CIPE, CPD

Members
James P. Polando, PE, CIPE
William F. Hughes, CIPE, CPD
William R. Brady, CPD

Affiliate Liaison
Tom J. Farrell
Tel: (781) - 344 - 1988



Technical Report

The April meeting will be at Lantana's. The speaker will be Michael Manning. Mr. Manning will be discussing the process by which Plumbing Engineers are to coordinate gas requirements for their projects with Keyspan.

For the last fourteen years, Mike Manning has worked on the promotion of NGVs at KeySpan (formerly the Boston Gas Company) with many state agencies including the Massachusetts Port Authority, the Massachusetts Bay Transportation Authority, the Steamship Authority, the Massachusetts Highway Department as well as numerous private companies and organizations such as Partners HealthCare Systems, the Saunders Hotel Group, Pre-Flight Parking, and BFI Waste Systems.

Since 1995, KeySpan and AVSG have built 14 public-access CNG stations and over 20 private CNG stations across eastern Massachusetts and southern New Hampshire. These stations serve well over a thousand NGVs of all vehicle types.

In late 2006, Mike also accepted the position as liaison to the A/E community for all KeySpan service territories. He is the primary point-of-contact for all A/E firms with projects involving KeySpan.

The May meeting will be election night, I urge all Boston Chapter members to vote in the election. So make your reservations for the meeting early and come out and take part in the democratic process.

Last Month Tom Farrell, our Affiliate Liaison, announced in the News Letter that the board is looking to start putting together welcome packages or toolboxes which will be given to new members. I urge all affiliates to donate any little items which you feel would be helpful for the young members during field visits. These toolboxes will be available to all members. However there will be a slight charge as the board of directors will be purchasing certain items, which I will expand on later, for these toolboxes. The engineering contact for this effort is Paul Taylor CPD. I would like to thank both Paul and Tom for there help coordinating this effort.

Lastly, I would like to take a minute to thank the members of Local 12 who allowed us to utilize their facility in March for our CPD review class. I would like to personally thank Mr. Rick Carter for his assistance in helping me set-up the class.

The product show committee will be meeting each month. If anyone is interested in getting involved please contact Jeff Gooding for more information . I would like to encourage all the Boston Chapter members to get involved with the show so we can have a very successful product show again this year.

By Frederick Neth, CIPE, V.P. Technical Boston Chapter ASPE

The Walter F. MORRIS Company
Serving you since '22"

77 Green St. Foxboro, Ma
Ph: 1-800-888-1922
Fax: 1-800-888-1942

Bock Water Heaters **Aquapure/Cuno** Filters & Treatment
LuxPro Thermostats **NTI** Trinity,Odyssey & Matrix Boil-
Watco Bath Drains **Woodford** Freezeless Faucets & Wall Hydrants
IPEX Industrial Products Acid Waste – Corzan CPVC – Sched 40 & 80
Kitec – WarmRite Radiant – PlumBetter – Municipal Systems




Leonard has been the leader in water temperature control since 1913.

LEONARD VALVE COMPANY
1360 Elmwood Avenue, Cranston, RI 02910-3817
Phone (401) 461-1200 Fax (401) 941-5310
www.leonardvalve.com



Value Alliance Club.



781-331-7410 (tel)
781-337-1389 (fax)
joan.panora@jjpanora.com

John W. Panora, P.E.

*Joan Panora
Bruce A. Forbes
Matt Van Guildler*

J & J Panora
the pump works
74 Pleasant Street
So. Weymouth, MA 02190

SLOAN.
SLOAN VALVE COMPANY

Represented to ASPE by:

J.H. Pokorny Associates
phone: 781-762-2661

web: www.jhpokorny.net • e-mail: info@jhpokorny.net



Legislative Report

This month's legislative report will continue to compare the design differences of the major sections of the Massachusetts State Plumbing Code (248 CMR) to that of the international plumbing code (IPC). This month's article will review the indirect waste and the piping of hazardous waste.

For indirect waste, both the Mass State Plumbing Code and the International Plumbing Code require the use of an air gap or air break for fixtures and equipment associated with food handling and also for the discharge of clear water waste. 248 CMR 10.12 (e) requires clear water waste to be discharged into the building storm drainage system, safe waste pans serving water heaters or hot water storage tanks are excluded from this requirement and may discharge into the building drainage system. Concerning clear water waste, the IPC is not as clear as 248 CMR. Sections 802.1.3 & 802.1.5 state that "potable clear water" and "non-potable" clear water waste may discharge into the building drainage system. The word "building" drainage system in the above IPC sections imply that clear water waste should be piped to the storm drainage system (refer to definitions section).

Both 248 CMR and the IPC state that special waste & vent systems shall be completely separate from the sanitary waste system and that the affluent shall be neutralized, diluted or treated by passing through an approved dilution or neutralization system prior to discharge to sanitary. Unlike the 248 CMR, the IPC is vague in its treatment of special waste systems and does not give any guidelines for material selection, sizing of neutralization sumps, pH Systems or recumbent DNA laboratories waste.

If you know of any areas I have not included or of something I have misstated, please feel free to contact me at Fdenisi@trojungbrannen.com

By Frank Denisi, Deputy V.P. Legislative, Boston Chapter ASPE

The following is an update from the board:

The Massachusetts Board of State Examiners of Plumbers and Gas Fitters (The Board) has amended its policy regarding product approval. Before any product can be used in a Massachusetts plumbing system, that product must have undergone Product Approval. Product Approval is the process by which the products to be used are determined to meet the Board's standards.

Previously, when products met the approval of the Board they were published in subsequent code revisions and published in the Massachusetts State Plumbing Code. The inherent delay in this process, however, limited the manufacturer's economic opportunity to market its product and the Board decided to amend its policy.

The current policy is that upon the Board determining that a product meets its standards, that approval is entered in the Board's website and is therefore approved for use in Mass. The approvals can be found www.mass.gov/dpl/boards/pl

By Manuel Garcia, PE

New England Combustion Products, Inc.



Bob Handschiegl — cell 781 760 1884

bhandschiegl@necombustion.com

Office 781 337 8888 fax 781 337 8848



Dale L. Powell
Regional Manager



Copper Development Association Inc.

P.O. Box 6687
Harrisburg, PA 17112-0687
Tel: (717) 533-0353
Fax: (717) 533-1688
dpowell@cda.copper.org
www.copper.org

CDA is a not-for-profit trade association that serves as the market development and engineering services arm of the copper and brass industry in the United States. CDA is your source for information related to copper and copper alloys.

URELL, INC.
www.urell.com

617-923-9500 ph.
617-926-9414 fax



GUARDIAN EQUIPMENT

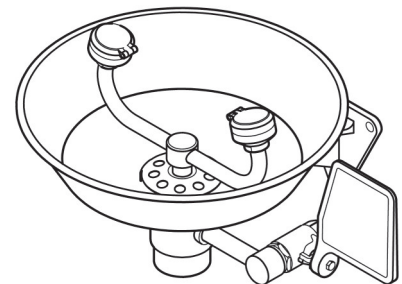
Emergency Eye Wash and Shower Equipment

Represented by:



J.H. Pokorny Associates

(781) 762-2661



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**

SLOAN VALVE CO. • HALSEY W. TAYLOR CO. • LEONARD VALVE CO.
WATER SAVER • GUARDIAN • GEORGE FISCHER
JUST • ACORN • MIFAB • CHRONOMITE

J.H. POKORNY ASSOCIATES

1502 PROVIDENCE HIGHWAY
NORWOOD, MA 02062
www.jhpokorny.net

TEL (781) 762-2661
FAX (781) 762-5949
info@jhpokorny.net

DiGiorgio Associates Inc. (DAI) is a Boston based Architectural firm with a branch office located in Farmingdale, ME. At DAI, the primary focus is on providing quality services to our clients, while providing leadership and growth opportunities to our staff. Although DAI's client base is diverse, we specialize in the design, engineering and construction of acute care hospital facilities as well as assisted living projects.

We are currently accepting applications for the following position:

Mechanical Engineer – Position requires experience in the design of mechanical systems for acute care hospitals, health care facilities and other related projects for DAI and other clients. Advanced experience in the design of HVAC, plumbing, medical gas and/or fire protection systems for healthcare facilities is required. A working knowledge of Elite load estimating programs and MasterSpec is preferable, as is the ability to perform detailed field surveys and work as project manager. Fifteen years plus experience and/or professional registration in the New England states is preferred. Travel throughout New England will be required. Competitive salary and excellent benefits package. Relocation Assistance available. Interested candidates should forward their qualifications to:

Human Resources
DiGiorgio Associates Inc.
225 Friend Street
Boston, MA 02114
Phone: (207) 582-2400 Email: jobs@dai-boston.com
www.dai-boston.com

The Maine office is located at
484 Maine Avenue in Farmingdale.

GOURLEYCO

HOT WATER BY DESIGN

80 Felton Street
Waltham MA 02453
Phone: 781-894-9500 Fax:

Raypak Heating Boilers
Booster Heaters
Commercial Pool & Spa Heaters

Rheem Tank Type Water Heaters
Gas & Electric
Residential & Commercial



RECO Domestic & Factory Pack-
age Water Heaters

Commercial Electric Water Heater
10 Warranty
Unique Plastic Design

Call your fellow ASPE member for Symmons product assistance.
Jim Harrison, John Carter, John Kennedy, Dan O'Brien



Symmons Industries, Inc., 31 Brooks Drive, Braintree, MA 02184-3804
1-800-SYMMONS or (781) 848-2250 Fax: 1-800-961-9621 or (781) 664-5211
www.symmons.com



The Spencer Turbine Company

Manufacturer's of:

- UL-Listed Hermetic Natural Gas Boosters
- Central Vacuum Systems for Housekeeping, Oral, and Surgical Laser Smoke Evacuation

Represented by: **Environmental Air Specialties**
P.O. Box 541 – Grafton, MA 01519
p: 508-839-6157 – f: 508-839-4431
www.easne.com

Maurice Brodeur – Sales/Engineering
Cell: 508-958-6346 – mbrodeur@easne.com

Office: 781-344-1988
FAX: 781-344-1989

**T & S Farrell
Pump Sales, Inc.**

Representing Weil Pump Co.
Thomas J. Farrell

P.O. Box 459
11 Dale Street
Stoughton, MA 02072

Affiliate Corner

The Boston Board of Directors plan on presenting each new engineering member with a welcome package or "TOOL BOX".

This "TOOL BOX" will contain items an engineer might find useful such as gauges, tape measures, flashlights, etc.

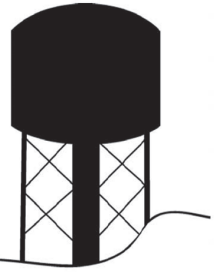
If any affiliate has an item they could donate please contact Paul Taylor at BER Engineering.

**Telephone Number: 508-230-0260
Email: ptaylor@ber-engineering.com**

By Tom Farrell, Affiliate Liaison Boston Chapter, ASPE

603-644-5554
Fax: 644-3338
800-542-5554

sales@towerhillsales.com
www.towerhillsales.com



P.O. Box 457
320 Rockingham Road, Unit 4
Auburn, New Hampshire 03032

Tower Hill
Sales Associates, Inc.

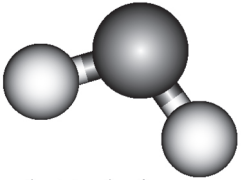
The Fire Pump Testing Company

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

11 Varney Street
Boston, MA 02130-4109

Tel: (617) 971-0700
Fax: (617) 524-7171
<http://www.thefirepumptestingscompany.com>
Email: tom@thefirepumptestingscompany.com
Member: ASPE, NFPA, AFSA, FCCCHR

PRACTICAL APPLICATIONS → **DESIGN**
BUILD
SERVICE
EDUCATE



Practical Applications, Inc.
12 Channel Street
Boston, MA 02210
Tel: 617.423.5639 Fax 617.423.9341
www.pai-online.com

INDUSTRIAL WATER & WASTEWATER SYSTEMS

Halsey Taylor HVR Series Vandal-Resistant Water Coolers

- Stainless steel construction
- U.L. listed for indoor and outdoor service
- Vandal-resistant features
- Can be installed to meet adult or child ADA
- Meets NSF/ANSI 61

 **Halsey Taylor.**
Satisfying Thirsts Since 1912
630.574.3500



halseytaylor.com

NIBCO[®]
AHEAD OF THE FLOW[™]

Ball Valves, Butterfly Valves, Gate, Globe, Check & Angle Valves,
Fire Protection Valves, and Actuation & Controls

NIBCO INC. Valves & Actuation
Philip P. Hugo—Sales Engineer

PHONE: 508.380.3984 • VM: 800.234.4642 ext. 8007 •
FAX: 574.295.3307 • email: hugop@nibco.com



**Piping.
Systems.
Solutions.**


Northeast Engineering Specialist
David Dears • 617-824-0601
www.victaulic.com
1-800-PICK-VIC

Massachusetts 2007 Legal Holidays

Date	Holiday	Retail Sun. Hol. Law	Permit Required
May 28, 2007	Memorial Day	No	No
July 4, 2007	Independence Day	No	No
September 3, 2007	Labor Day	No	No
October 8, 2007	Columbus Day	Yes	Yes
November 10, 2007	Veteran's Day	Yes	Yes

BASIC HOLIDAY RULES: All Holidays listed are Federal except Patriots Day which is a Mass. Holiday. Mfrs. are not required to pay time & a half for holidays falling on Sunday that are celebrated on Monday. Holidays falling on Saturday are celebrated on Saturday.

ASPE Boston Chapter 2007 - 2008 Schedule of Events (Partial)

May 8, 2007	KeySpan Energy Delivery Systems update on communication with KeySpan Chapter Elections	The Lantana - Randolph, MA
August 23, 2007	18th Annual ASPE Boston Chapter Golf Outing	Easton Country Club - Easton, MA
September 11, 2007	Water Re-Use System Engineering, Design & Application - Brian Hagopian	The Lantana - Randolph, MA
October 9, 2007	Water Conservation / LEED credits - Blair Chamberlain & Mark Warren An in depth presentation on how to engineer & design for water conservation, and LEED innovation credits for plumbing engineers and designers.	The Lantana - Randolph, MA
November 13, 2007	Boston Chapter's 17th Biennial Product Show & Seminars	The Lantana - Randolph, MA
December 11, 2007	Monthly Meeting	The Lantana - Randolph, MA
January 8, 2008	Monthly Meeting	The Lantana - Randolph, MA
February 12, 2007	Monthly Meeting	The Lantana - Randolph, MA

Index of Paid Advertisers

Copper Development Association	4	J & J Panora	3	Symmons	5
David Gooding, Inc.	8	J. H. Pokorny Associates	5	T & S Brass	8
Environmental Air Specialties	5	Kirschner Associates, Inc.	5	T & S Farrell	5
Fire Pump Testing Company	6	Leonard Valve	3	Tower Hill Sales	6
Gourley	5	New England Combustion Products	4	Urell	4
Guardian	4	NIBCO	6	Victualic	6
Halsey Taylor	6	Practical Applications	6	Walter F. Morris Company	3
Highland Tank	8	Sloan Valve	3	W.P. Haney / Watts	8



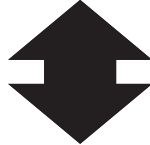
From:

**A.S.P.E.
P.O. Box 111
East Walpole, MA 02032**



Boston Chapter - AMERICAN SOCIETY OF PLUMBING ENGINEERS

**Next
Event**



**TUESDAY
8
MAY**

Send to:

FIRST CLASS MAIL



Highland Tank®

108 Londonderry Turnpike
Auburn, NH 03032

Low Engineering

603-647-6646
FAX 647-7547
Cell 603-315-7465

unmatched quality & Service

mgauthier@highlandtank.com
www.highlandtank.com

Michael Gauthier
Sales Engineer
Manager - Low Engineering

There is More Than One Good Reason to Spec T&S.



24 Hour Quick Ship —

**Say goodbye to downtime.
Call in your order before
noon for same-day
processing and fast
turnaround.**



T&S plumbing products represented in Boston by:
Specification Sales - 781-396-0842



RELIABILITY BUILT IN
www.tsbross.com • 1-800-476-4103

**WATTS®
REGULATOR**

WATTS



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

DELTA

For all of your faucet needs

- Residential
- Institutional
- Commercial
- Healthcare



david gooding inc.

David Gooding, Inc., 173 Spark Street, Brockton, MA 02302
1-800-836-3441 or (508) 894-2000 / Fax: 508-894-2005 / www.goodingd.com