



Chicago ASPENews



Chicago Regional Chapter of the American Society of Plumbing Engineers
Vol. 45, No. 7 February, 2014

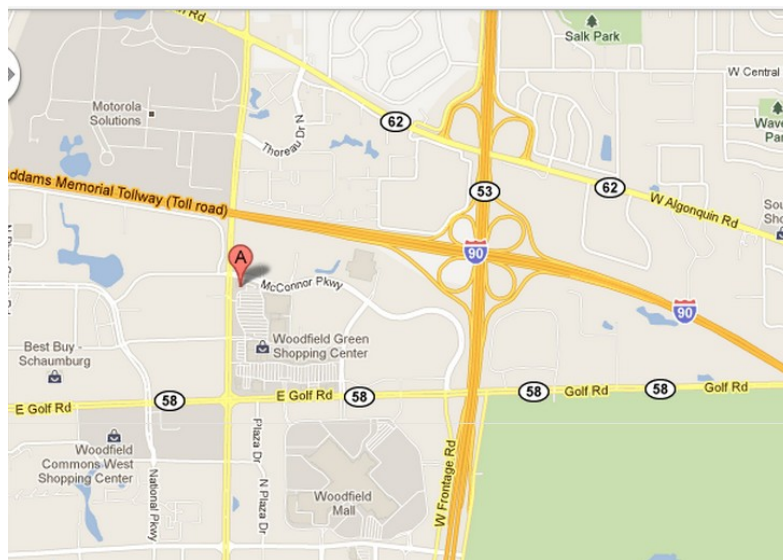


Chicago Chapter General Meeting Thursday February 20, 2014



Westwood Tavern & Tap

1385 N. Meacham Rd.
Schaumburg, IL 60713



AGENDA

5:30pm Cocktail Hour—**Sponsored by Symmons!**

6:30pm Dinner, (\$35 ASPE Members with RSVP/\$40 Non-Members and Walk-ins)

7:15pm **NEW! Manufacturer Spotlight: Symmons**



7:30pm Presentation – *Water for Dialysis* by Robert Downey from Performance Water Systems

RSVP as soon as possible to Mark Mannarelli, VP Technical!

- ◇ Return the enclosed card for those of you getting this via US Mail
- ◇ Call: 630.901.6446
- ◇ Email: Chicago.ASPE.RSVP@gmail.com
- ◇ Go to Chicago.aspe.org and RSVP!

MENU

Appetizers:

- House salad & soup of the day

Dinner (Buffet Style):

- Fresh rolls and butter
- Prime rib hardwood smoked black angus beef served with homemade au jus
- Vegetable medley
- Twice baked potato

Dessert:

- NY Style cheesecake

Drinks:

- Iced-tea
- Coffee
- Soft Drinks
- Herbal teas

Local chapters are not authorized to speak for the Society



PRESIDENT'S MESSAGE

Hope you all are enjoying the beautiful weather we have been having...NOT! Our February meeting will be held at the Islands Resort, in the Caribbean...NOT!

Would be nice though.

January Meeting Recap

First of all, a big thank you to MIFAB and Kast Marketing for being our second Manufacturer Spotlight sponsor. The presentation on their control valve offering was excellent.

We then had a little different twist for our main presentation. Peter J. Fazio, Jr., a long time plumber in our Chicago market, discussed "Aging in Place". Being that I am getting up in years myself, I found it interesting how people are starting to think these days: how easy will it be to live in my house years from now? I have never thought of this in the past, but his discussions now have me thinking on future retrofit projects to make them more accessible.

Future up and comings:

- This month's meeting is going out to the suburbs. See our VP Technical article for the details.
- We have selected a winner of our ASPE Chicago Student Scholarship: Carlos Viramontes. He is currently attending IIT seeking his Masters degree in Architectural Engineering. Congratulations, Carlos!
- *AYP-ASPE YOUNG PROFESSIONALS* – Their first event as a group is the Chicago Polar Plunge. Go to our website for additional details. I believe we have about 5 members on team "Plunging Plumbers". No wait—we have one more—I **just joined the team**. Let's get some more people to sign up—it is for a great cause!
- The 2014 Convention Host committee is very close to getting out the new Calendar, it is spectacular. Thanks to all who donated and participated in putting it together. They are also still looking for volunteers to help at the Convention.
- The Chicago ASPE picnic is coming back this year! The committee is hard at work thinking of new ideas to make it even better than it has been in the past. Look for further details coming soon.
- Save the date: 2014 CPD Examination – April 24 or 25. Registration deadline is March 27, 2014. Information on the test can be found at ASPE.org. The Chicago Chapter will be hosting a review class Saturday April 5. One of our fellow members; **David E. DeBord CPD, LEED® AP BD+C, ARCSA® AP, GPD**; has graciously offered to teach this review class. Please contact me if you are interested in the class David is teaching on April 5th. rbutler@lochinvar.com

Our membership is growing! We are up to 327 members now! Our goal is to top 400 once again. Keep digging for new members, or if you have ideas for recruitment let us know.

Keep reading for details on above items and some very interesting articles.

Thanks much, see you in the 'burbs!

Rick Butler, President

rbutler@lochinvar.com; 224 238.8515



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<http://www.facebook.com/lau.chicagochapter>

<https://www.facebook.com/groups/ASPE.Chicago/>

LINKEDIN

www.linkedin.com/groups?home=&qid=2393408





VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING

It is essential to us that all RSVP's should at least call or send an e-mail to let us know in advance (2 days notice) that you can't attend so we can plan accordingly.

February Meeting: Manufacturer Spotlight

Let's thank Symmons for being our third Affiliate member to take advantage of our Manufacturer Spotlight Sponsorship Program. **THANK YOU, SYMMONS!** And remember, let's support those who support the Chapter!



February Meeting Technical Presentation: Water for Dialysis

Presenter:

Robert P. Downey of Performance Water Systems, LLC.

Performance Water Systems is a privately owned company with offices in Illinois, Maryland, Virginia, and Tennessee. They are both a manufacturer's representative and a service company that sells, installs, maintains, and repairs water purification and mechanical water treatment equipment for the commercial, industrial, research, and healthcare fields with a specialty in the support of Kidney Dialysis care.

Performance Water Systems is dedicated to providing water purification products, service, and support to our clients who require clean, pure, safe water to promote health and to enhance quality of life.

Continued on next page....



Manufacturer Spotlight

***This month we would
like to thank:***



SYMMONS®
the smart choice™

www.symmons.com

***Thank you for supporting the
2014 Convention Host Committee!***



TECHNICALLY SPEAKING CONTINUED...

Topic:

"Water for Dialysis".

This subject is a great concern to hospitals and administrators with the continued efforts for purified water in the dialysis systems. The topics covered will include:

- Introduction to Water & Water for Dialysis
- Regulations and Standards
- Water Treatment System
- Pump Systems
- Acute and Chronic Systems
- Water Room Layouts
- Working with the Water Treatment Vendor

Purified water - Definition from Wikipedia:

Purified water is [water](#) that is mechanically filtered or processed to be cleaned for consumption. [Distilled water](#) and **deionized (DI) water** have been the most common forms of purified water, but water can also be purified by other processes including [Reverse osmosis](#), [carbon filtration](#), [microfiltration](#), [ultrafiltration](#), [ultraviolet oxidation](#), or [electrodialysis](#). In recent decades, a combination of the above processes have come into use to produce water of such high purity that its trace contaminants are measured in parts per billion (ppb) or parts per trillion (ppt). Purified water has many uses, largely in science and engineering laboratories and industries, and is produced in a range of purities. Purified water in colloquial English can also refer to water which has been treated ("rendered potable") to neutralize, but not necessarily remove contaminants considered harmful to humans or animals.

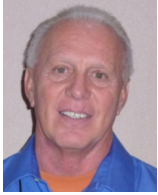
Distilled water is produced by a process of [distillation](#) and has an [electrical conductivity](#) of not more than 11 $\mu\text{S}/\text{cm}$ and total dissolved solids of less than 10 mg/litre.^[1] Distillation involves [boiling](#) the water and then condensing the [vapor](#) into a clean container, leaving solid contaminants behind. Distillation produces very pure water. A white or yellowish mineral scale is left in the distillation apparatus, which requires regular cleaning. Distillation alone does not guarantee the absence of bacteria in drinking water unless containers are also sterilized. For many procedures more economical alternatives are available such as deionized water and, is used in place of distilled water

Mark G. Mannarelli, Vice President, Technical

mmannarelli@dbHMS.com

Don't Miss Out—Find a UCLA Extension Course in Plumbing Systems Design Today!

Keep on track with your professional and personal continuing educational goals.
Enroll in one of UCLA's Extension course in plumbing systems design.
Courses are scheduled throughout the quarter for your convenience.
Check out the current available course here: www.uclaextension.edu



VICE PRESIDENT, AFFILIATE

Affiliate Liaisons,

Well we are now into the New Year. Hope you had a good start. It was a great meeting last month at the Parthenon. Would like to thank our feature speaker Peter Fazio Jr. with his presentation of "Aging in Place". Also thank you to MIFAB for their great presentation.

Our focus should be the up and coming monthly meetings 'till we get to June then look forward to some golf (which sounds pretty good considering all this snow and cold weather we have been having). Next we need to think Picnic how can we get all our members out there to enjoy the fun in the sun.

During all this thinking of summer activities we should also keep our focus on the Convention. We all need to participate and volunteer to help out. This is our town and our show and we want to shine better than any other Convention.

ASPE Needs Your Help at The Convention

We are looking for approximately 40 volunteers to greet and give out information to the convention attendees at the hospitality room, or at the assigned hotels. We will assign volunteers to participate in three hour shifts. You don't have to work every day. This is a once in a lifetime opportunity! If you are interested in taking part of our 2014 Convention and 50th Year Anniversary Celebration, please sign up by following the link below, or by contacting:

Frank Sanchez

Phone: 847.316.92515

Email: fsanchez@grummanbutkus.com

You think it's cold out now?

Our Chicago AYPs are going to enter, as a team, the "Chicago Polar Plunge" benefiting the Special Olympics. Please read on for further details — SOUNDS LIKE A BLAST!

Polar Plunge:

See the special announcement on page 8 or a new and exciting event. Show up at North Avenue beach at 10:45am on Sunday, March 2, 2014 March 2nd, 2014 for the annual Chicago Polar Plunge benefiting Special Olympics Chicago! **Cheer them on or join them in the plunge.** To join go to :<https://www.firstgiving.com/team/251980>. For any questions email Theresa Allen at tallen@grummanbutkus.com.

The ASPE Dinner Meeting for February 20th will be at the Westwood Tavern & Tap 1385 N. Meacham Rd. Schaumburg, IL. The presentation will be: Water for Dialysis by Robert Downey, or Performance Water Systems and the Manufacturer Spotlight will be **Symmons**. I hope to see you all there.

Nevo Martelli, Vice President, Affiliate

nmartelli@262apex.com



ADMINISTRATIVE SECRETARY

Greetings Members,

Well we have made it through the New Year's Storm and the Arctic blasts in January and are now moving towards warmer weather...well, eventually.

This month the Manufacturer Spotlight was by MIFAB with Michael Whiteside, Jeremy Cantor, Tom Babock, and Brian Syzdek to discuss their Beeco valve line. The main presentation was "Aging in Place" by Peter Fazio Jr. from FULL Access Products, LLC. Peter gave us all a new perspective on Future Proofing our homes with universal remotes, phones, faucets, elevated washer and dryers, cabinets with sliding drawers, curb less showers entries and even total water proofing the bathroom. 50/50 was won by Dan Fagan \$150 and \$150 went to the ASPE Young Professionals AYP-Polar Plunge/Special Olympics. Winner of the future free dinner was Brandon Taylor who will savor that meal. We had a great turn out for the January meeting with 52 that attended the dinner.

The next ASPE Dinner Meeting will be @ Westwood Tavern & Tap, 1385 N. Meacham Rd. Schaumburg, IL. Manufacture Spotlight: Symmons Industries and the presentation will be on "Water for Dialysis" by Robert Downey from Performance Water Systems..

As I close here is a quick informational fun fact: the water found at the Earth's surface in lakes, rivers, streams, ponds, and swamps makes up only 0.3% of the world's fresh water.

David J. Erickson Sr., Administrative Secretary

derickson@symmons.com: 847.287.0922



VICE PRESIDENT, MEMBERSHIP

February Greetings,

One of the things I do as VP Membership is to update the Chapter's membership roster. The roster is used by the Chapter to email out announcements as well as periodically sending out snail mail on special events. I update the roster monthly based on contact updates sent to me from Society as well as from you, the membership. If you are a member and have not been getting email invitations to meetings, please let me know and I will update the list..

Speaking of the Chapter roster...

Currently, the roster is comprised of members and non-members who have asked to receive email correspondence. I would like to reach out to the non-members (which account for almost 2/3rds of the total folks on the roster) and invite you to consider becoming an ASPE member. If you are interested in joining or have questions on the various membership grades, please let me know and I will be happy to help out.

Just a reminder that ASPE CPDs can now do their recertification credit maintenance online on the ASPE website. Just go to aspe.org/ceucenterinfo and log in to instantly view the CEUs you have earned through ASPE National. You also can record CEUs you've earned outside of ASPE, as well as upload certificates or other proof of CEU credit. I've been uploading my CEUs to the site and it is pretty straightforward.

No new members to report this month.

Until Next Time...

April Ricketts, PE, CPD, LEED AP BD+C, Vice President Membership

rickettsa@cdmsmith.com: 312.346.5000



GUEST COLUMNIST: WATER CONSERVATION



"Optimism is a good characteristic, but if carried to an excess, it becomes foolishness. We are prone to speak of the resources of this country as inexhaustible; this is not so."

Theodore Roosevelt: Seventh Annual Message to Congress, December 3, 1907

Water Conservation is the easiest, cheapest, safest way to reduce our water footprint.

YES, of course optimism IS a good thing, but we can let it make us complacent. Our resources are not inexhaustible. And what have we learned since Teddy said this? Not so much maybe.

?How much water do you think is wasted with a single dripping faucet?

A leaky faucet dripping 20 times a minute will waste close to 700 gallons of water a year.

Seriously, is that true? How many think it's true? Raise your hands. How many think its **not** true? Raise your hands.

If we assume that there are 90,840 drops of water in one gallon...

Facts:
120 drops = 5mL
1 gallon = 3785 mL
• 90840 Drops in 1 Gallon

...then YES IT IS! 2 drops per second is equivalent to 695 gallons per year!

DROPS/MIN	DROPS/GAL	GPM	GPH	GPD	GPW	GPMo	GPY
10	90,840	0.0001	0.0066	0.16	1.11	4.77	58
60	90,840	0.0007	0.0396	0.95	6.66	28.63	347
120	90,840	0.0013	0.0793	1.90	13.32	57.26	695

That doesn't sound like so much does it? What if there were 10 million leaky faucets in the U.S.? That would be 7 **billion** gallons per year! Do you think we have 10 million leaky faucets out there? Probably way more than that!

How many drops per second do you think this faucet is wasting? This is a real situation that I witnessed in an existing school, but sadly, this was "NOT IN SCOPE". And did not get changed (as far as I know).

Ted E. Bear CPD, LEED-AP BD+C, ARCSA-AP, GPD
 Member of ASPE Chicago Chapter





**ASPE Young Professionals
Polar Plunge 2014
Philanthropic & Social Event**



Attention all ASPE members,

For the first time in ASPE history, a crazy group of young professionals has decided that there is no better way to show how great ASPE is than to throw ourselves into Lake Michigan on March 2nd, 2014 for the annual **Chicago Polar Plunge benefiting Special Olympics Chicago!**

You can help us make this a great event!

Join our team:

- Go to <https://www.firstgiving.com/team/251980>
- Click on the "Join Team" button
- Register and create your individual page
- Sign-up for the 11:00am wave
- Each registrant has a fundraising goal of \$150 minimum
- Encourage other ASPE members to join or donate!



Donate to our team:

- Go to <https://www.firstgiving.com/team/251980>
- Click on the "donate" button

Come support us:

- Show up at North Avenue beach at 10:45am on Sunday, March 2, 2014
- Join us for lunch and drinks at Goose Island Clybourn afterwards
1800 N. Clybourn Ave, Chicago, IL *(free parking!)*

Thank you for your support and we hope to see you there!
- Chicago Chapter AYPs

For more information or questions, contact Theresa Allen at tallen@grummanbutkus.com or 847.316.9285



CORRESPONDING SECRETARY: INDUSTRY NEWS

Hang in there – just a few more months of snow and polar vortex to deal with. While you're stuck inside, why not check a few things off of that to-do-list you have been avoiding while the weather still blows?! Contact me if you want to add to the list below at chris@DRWindustrial.com.

American Society of Plumbing Engineers (ASPE) (<http://chicago.aspe.org>)

Chicago Chapter Meeting

Date: Thursday, February 20, 2014 @ 5:30 PM

Location: Westwood Tavern & Tap

1385 N. Meacham Rd, Schaumburg, IL

Details: <http://chicago.aspe.org/>

2014 ASPE Convention and Exposition

Dates: September 19-24, 2014

Location: Chicago, IL

Details: <http://events.ntpsnow.com/aspe2014/public/enter.aspx>

Currently accepting volunteers for helping out – for more information contact Frank Sanchez at fsanchez@grummanbutkus.com

American Society of Sanitary Engineering (ASSE) (<http://www.asse-plumbing.org/calendar.html>)

2014 ASSE International Mid-Year Meeting

Dates: April 7-9, 2014

Location: ASSE International Office

Mokena, IL

Details: <http://www.asse-plumbing.org/calendar.html>

National Rural Water Association (NRWA) (<http://www.nrwa.org/>)

No upcoming events listed.

National Fire Protection Association (NFPA) (www.nfpa.org)

NFPA Conference & Expo

Dates: June 9-12, 2014

Location: Mandalay Bay Convention Center

Las Vegas, NV

Details: <http://www.nfpa.org/training/nfpa-conference-and-expo>

NFPA Training throughout the US.

<http://www.nfpa.org/training/events%20calendar.aspx>

Illinois Fire Prevention Association (IFPA) (www.ifpanet.org)

Chicago IFPA Chapter Meeting

Date: Tuesday, February 11, 2014 @ 6:00 PM

Location: Glendale Lakes Golf Club

1550 President St., Glendale Heights, IL 60139

Details: <http://www.ifpanet.org/CalendarEvent.aspx?ID=67&PBD=2/1/2014>

USGBC – Illinois Chapter (LEED) (<http://www.usgbc-illinois.org/events/event-calendar/>)

See link above for several events.

Chris Sbarbaro, PE, CPD, LEED AP BD+C, Corresponding Secretary
chris@DRWindustrial.com

Society of Fire Protection Engineers (SFPE) (<http://www.chicagosfpe.org>)

No info for an upcoming Chicago SFPE Chapter Meeting:

http://www.chicagosfpe.org/program_schedule.html

2014 SFPE Annual Meeting—Professional Development Conference

Dates: June 9-12, 2014

Location: Hilton Long Beach & Executive Center in Long Beach, CA

Details: <http://www.sfpe.org/SharpenYourExpertise/Education/2014SFPEAnnualMeeting.aspx>

Illinois Chapter of ASHRAE (www.illinoisashrae.org)

Illinois Chapter Chicago Bulls Outing

Date: Tuesday, February 11, 2014 @ 4:30 PM

Location: Park Tavern

1645 W Jackson, Chicago, IL 60612

Details: <http://illinoisashrae.org/meetinginfo.php>

PAMCANI (www.pamcani.org)

PAMCANI industry-wide calendar: www.piccal.org

Illinois Association of Plumbing-Heating-Cooling Contractors (ILPHCC) (www.ilphcc.com)

Illinois PHCC Reunion

Dates: June 12-14, 2014

Location: French Lick Springs Hotel

8670 West State Road 56, French Lick, IN 47432

Details: <http://www.ilphcc.com/>

Refrigeration Service Engineer's Society (RSER) (www.rses.net)

Chicagoland Chapter Meeting

Date: Tuesday, February 11, 2014 @ 7:00 PM

Location: Silver Stallion Restaurant,

1275 Lee Street, Des Plaines, IL

Details: www.rses.net

American Society of Professional Estimators (www.aspechicago.org)

Chicagoland Chapter Meeting

Date: Thursday, February 20, 2014 @ 5:30 PM

Location: Brio Tuscan Grill

330 Yorktown Shopping Center, Lombard, IL 60148

Details: <http://www.aspechicago.org/html/events.html>



Chicago ASPENews



2013-2014 ASPE Chicago Meeting Schedule

Date	Primer & Technical Presentation	Location
August 10, 2013	Second Annual ASPE Family Picnic	Schiller Woods Grove #12
September 26, 2013	ASPE Chicago Chapter "First Ever" September Product Show	White Eagle 6839 N. Milwaukee Ave Niles, IL
October 17, 2013	Introduction to Firestop By Melissa Fiore, Hilti	La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
November 21, 2013	Primer & Manufacturer Spotlight: Repco Associates Technical Presentation: Rainwater Harvesting	Parthenon 314 S Halsted St Chicago, IL
December 19, 2013	ASPE Chicago Chapter Booster Night and Holiday Celebration—GAME NIGHT	La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
January 16, 2014	Primer & Manufacturer Spotlight: MIFAB Aging in Place By Peter Fazio Jr.	Parthenon 314 S Halsted St Chicago, IL
February 20, 2014	Primer & Manufacturer Spotlight: Symmons Water for Dialysis by Robert Downey, Performance Water Systems	Westwood Tavern & Tap 1385 N. Meacham Rd Schaumburg, IL
March 20, 2014	Special Fire Suppression Systems—FAAST by System Sensor	La Villa Restaurant 3632 N Pulaski Rd Chicago, IL
April 17, 2014	Advancements in Clean Agent Technologies by John Cann, Minimax Fire Products	Venuti's 2251 W. Lake Street Addison, IL
May 15, 2014	To Be Determined (SFPE Joint Meeting)	Westwood Tavern & Tap 1385 N. Meacham Rd Schaumburg, IL
June 20, 2014	ASPE Chicago Chapter Golf Outing	Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates, IL
August, 2014	ASPE Chicago Chapter Summer Event	TBD

If you would like to present any of these topics or become a meeting sponsor, please contact Mark Mannarelli at mmannarelli@dbHMS.com or 630.901.6446.