

PRESIDENT'S MESSAGE



As the Holiday Season approaches us, I would like to wish Chicago ASPE Members and their families a safe and happy Holiday Season.

November Meeting

Wow, four Marines attended our "Toys for Tots" event. They were very thankful, and the speech from one of the Marines, who has been involved with several locations' Toys for Tots program, claims Chicago is the "Tops" for supporting this event. Thanks to Mark Mannarelli, VP Technical, for setting this up!

The night also included our first "Spotlight" program. I can say REPCO has set the bar awfully high with their "Da Bears" video. I can't wait to see the future spotlights and to see how they respond to the REPCO's performance. Thanks again to Frank Sanchez, 2014 ASPE Convention Host Committee Chair, for setting up these "Spotlights" - we are booked for the remainder of the year. Speaking of the Host Committee, Frank Sanchez, and Theresa Allen are still looking for volunteers for the committee. They need volunteers for pre-convention planning as well as during the convention. Please contact them if you are interested (*fsanchez@grummanbutkus.com* or *tallen@grummanbutkus.com*)

December Meeting

The December meeting will continue to be our "Booster Night" extravaganza. The tradition of Booster night was to bring a new interested individual to this meeting to "Boost" attendance. That has gone to the wayside a bit, so please bring a potential new member. Also, our 50/50 raffle will be dedicated to the recent Illinois tornado victims. Additionally, significant others are also welcome to this event. Back in the day, we would have many significant others attend. Let's see if we can bring that up again. Please read on for additional information on the December meeting

Finally, as you know, we will not be having a product show in 2014, due to the National convention. Although it is not too early to be looking for new venues, seminars, ideas, etc. so we will be setting up an exploratory committee to start to develop our 2015 show. If you are interested in being on this committee, please contact me or one of the other Chicago Chapter board members.

Can't wait for Booster night. It is going to be great!

Rick Butler, President

rbutler@lochinvar.com; 224 238.8515



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Do you want to become a CPD? Registration for the April 24-25, 2014 exam opens January 2. Visit <u>aspe.org/CPDCertification</u> for more information. You should be studying now! Plan ahead! Get ahead! ASPE Chicago will provide support and guidance in the coming months.

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WEBSITE

http://chicago.aspe.org/

FACEBOOK http://www.facebook.com/ lau.chicagochapter

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

LINKEDIN www.linkedin.com/groups? home=&gid=2393408

VICE PRESIDENT, TECHNICAL: TECHNICALLY SPEAKING

November Meeting: Rainwater Harvesting Unfortunately due to travel delays, we were not able to have our technical presentation on Rainwater Harvesting last month.

I would like to thank all the members who participated in the Toys for Tots program at last month's meeting. It was great to see the four Marines who donated their time to come and speak and help distribute toys to approximately 2,000 children in the Chicagoland area. We will again be collecting toys at the December meeting for the Toys for Tots program.

For your records, the following individuals attended the November 2013 meeting of the ASPE Chicago Chapter.

Alvero Gonzalez	Dave Zagury	James Dipping	Mike Owen
April Ricketts	David DeBord	Jamie Schwarz	Nevo Martelli
Bill Bauer	David Erickson	Jason Romano	Otton Finiewicz
Brandon Taylor	David Lehman	Jim Jolly	Phill Kroll
Brian Carlos	Dennis Richards	Jim Majerowicz	Randy Forito
Brian Hank	Ed Lichner	Joe Ficek	Ray Cruz
Brian Mazzocchi	Emily Smith	John Nieman	Rick Butler
Chris Sbarbaro	Era Lee	Keith Seier	Sean Allard
Chris Wisinski	Ernest Harvran	Luciana Kayo	Sergio Cano
Craig Wolstan	Francisco DeHoyos	Mark Mannarelli	Steve Norbert
Damon Cameron	Frank Sanchez	Mark Nasuta	Theresa Allen
Dan Courtney	Gaberial Gomez	Matt Pardue	Tony Dauginas
Dan Patt	Garrett Russell	Mel Withrow	
Darren Rich	George Sobyra	Mike Imaoka	

November Meeting: Manufacturer Spotlight

Let's thank Repco Associates, Inc. for being our first Affiliate member to take advantage of our Manufacturer Spotlight Sponsorship Program. **THANK YOU, REPCO!** And remember, let's support those who support the Chapter!

2014 Convention

Please mark your calendars. Society's 50th anniversary and Convention will take place in Chicago next September

2014 ASPE Convention and Exposition Fifty Year Anniversary of ASPE September 19-24 McCormick Place, Chicago, IL

Thanks again to all the Affiliates and Manufacturer Representatives who have contributed to the Manufacturer Spotlight Program for the upcoming year.

December Meeting

The December meeting theme will be "Game Night." We will once again raffle off a foosball table and air hockey game to two lucky members. Winners must be present to win.

Please don't forget to thank all the affiliate members and Manufacturer Representatives that sponsored this month's fabulous event! Remember to have a great time and a Joyous Holiday Season to you and your entire families!

Mark G. Mannarelli, Vice President, Technical mmannarelli@dbHMS.com



<u>VICE PRESIDENT, LEGISLATIVE</u>

"Grandfathering " is an expression that is commonly used to avoid meeting current laws, or in our case building codes. In more than one occasion, I have been asked by a client that if instead of making the required building modifications to meet code, to request to be "grandfathered in" to save money and/or space. This old concept started in the South after the Civil War. A "grandfather clause" allows the status of something pre-existing to remain unchanged, despite a change in the codes.

Most building codes get written and developed by national organizations made up of well-prepared and experienced people from the building industry and government. Most codes are updated every 3 years. Some code changes are due to the constant improvement of building products, and to make buildings safer during construction, and for the final user. Some changes are a consequence of observations of how building materials hold up or fail based on application. Nevertheless, some codes have to be enforced despite the historical content of the building. For buildings that are to be used for serving the public, they are fully required to meet ADA requirements, even if this is an existing facility.

In reality, there is no such thing as "grandfathering" there are no guidelines defined by code. The construction manager and/or administrator may apply for a variance or code exception with the local authority having jurisdiction, but it is not a sure thing just because someone else got the exception on the same or similar situation. Every petition is reviewed individually. The best approach is to design per the latest codes, and let the construction manager/ administrator apply for a possible variance. Here is an example of a recent code change that has to be met, unless you receive a variance:

ASME A17 Safety Code for Elevators and Escalators

- 2.2.2.5 In elevators provided with Firefighters' Emergency Operation, a drain or sump pump shall be provided. The sump pump / drain shall have the capacity to remove a minimum of 3,000 GAL/Hr. = 50 GPM (11.4 m3/h) per elevator.
- **2.2.2.6** Sumps and sump pumps in pits, where provided, shall be covered. The cover shall be secured and level with the pit floor.
- **2.8.3.3** Sprinkler systems conforming to NFPA 13 or the NBCC, whichever is applicable (see Part 9), shall be permitted to be installed in the hoistway, machinery space, machine room, control space, or control room. Sprinklers are to be install not more than 24 in (600 mm) above the pit floor,
- **2.8.3.3.1** All risers and returns shall be located outside these spaces. Branch lines in the hoistway shall supply sprinklers at not more than one floor level. When the machinery space, machine room, control space, or control room is .located above the roof of the building, risers, return pipes, and branch lines for these sprinklers shall be permitted to be located in the hoistway between the top floor and the machinery space, machine room, control space, or control space, or control noom.
- **2.8.3.3.3** Smoke detectors shall not be used to activate sprinklers in these spaces or to disconnect the main line power supply.

J. Francisco DeHoyos, Vice President, Legislative

aspe.chicago.vpl@gmail.com



VICE PRESIDENT, AFFILIATE

CALLING ALL AFFILIATES!

Get ready for an incredible **Booster Night on December 19th**, the best meeting of the year! You should have already received an e-mail asking for contributions to help defray the costs for the night.

There will be sponsorship recognition at the meeting. Please ask your manufacturers to consider a sponsorship for this year's booster night by sending in your donation, this insures a successful event and recognition of your support. Help support your local chapter. If you haven't received sponsorship information, please contact me via e -mail or call and I will send the information to you.

Checks have to be received prior to the meeting to be recognized as a sponsor. The deadline to receive recognition is December 13th, 2012. You can also pay online via PayPal, go to <u>www.chicago.aspe.org</u> and you will see the link on the home page.

I look forward to seeing you at the meeting,

Nevo Martelli, Vice President, Affiliate <u>nmartelli@262apex.com</u>

VICE PRESIDENT, MEMBERSHIP



December Greetings!

Santa Claus is making his list and checking it twice. I hope you all have been good plumbing engineers this year so that you get that neat plumbing widget you've been wanting so bad. This month is the Chapter's Booster Night, which is our annual holiday social event. It is opened to all, so bring your spouses

and have some great food and fun.

Back by popular demand...ASPE has extended the Membership Retention program. If your membership has lapsed and you want to return to the fold, take advantage of this program which runs through March 2014. Here is the low-down from Society:

- Originally the target audience represented those who were unable to renew between 1/1/2010-12/31/2012; now the program is opened to any past member of ASPE (excluding 2013 lapsed membership).
- It still remains that the membership dues offer cannot be combined with any other membership promotional offering, transferred, or used at a later time
- Member must use special membership application to receive the offering or they can call ASPE membership staff and join via phone
- Past member can join as a new member for only \$95 or if they wish to reinstate and keep past membership history they are able to pay \$95 for current dues and \$5 for each lapsed membership year! Because we are allowing them to pay past dues at such a reduced rate for previous years, this special does not include any old copies of the PEDH. However, they will receive the next edition which is scheduled to ship February 2014

Last, but not least, welcome to all of the new folks who have joined the ASPE Chicago Chapter within the past month:

- Nurlan Ashirbayev
- Michael A Debnar
- Nestor Roberto Diaz
- Jaeman Eum
- Yiyun Fan
- Gabriel Gonzalez Beyles
- Ivan Adriane Jose
- Imran Ali Khan
- Natalie Rose Kruit
- Timothy Daniel Lalowski
- Agnieslka Llgas
- Cheryl Lynn McDermott
- Alberto Mejia
- Yin Ling Ng
- Juneyoung Park
- Firas Putros
- Megan Leigh Schulz
- Jennifer Min-Yie Tam
- Zachary Dean Zanzinger
- Glenn Sobieski

Have a Wonderful Holiday Season!

April Ricketts, PE, CPD, LEED AP BD+C, Vice President Membership rickettsa@cdmsmith.com: 312.346.5000

ADMINISTRATIVE SECRETARY



Dinner report: OPA!!! Another fine meal from our friends at The Parthenon

We were able filled the room with 60 of the finest engineers, architects, and students, manufactures representatives. We also hosted 4 sharply dressed Marines who were the recipients of \$140.00 cash and some toys for the Toys for Tots drive that the Chicago Chapter has been supporting over the past years.

The winner of the 50/50 raffle was Mark Nasuta from Derry-Pardue he received the other \$140.00 cash. Our presenter for the evening was delayed by air travel so we were all able to learn a little more from the "Manufactures Spot Light" guest Repco Associates Inc. I must say that they set "Da Bar" extremely high for the Manufactures for the remainder of the year. The beneficiary of the free dinner was Otton Finiewicz.

BOOSTER NIGHT NEXT MONTH: Don't forget to go to <u>http://chicago.aspe.org/</u> and RSVP for the ASPE Dinner Meeting @ La Villa 3632 N. Pulaski Rd. Chicago, IL. \$35 each for extra guest...business associates, family members, significant others, we will have a plethora of games, food and fun.

I would like to finish up with a quick information fun fact; it takes seven and a half years for the average American residence to use the same amount of water that flows over the Niagara Falls in one second (750,000 gallons).

I hope to see you at the December 19th Booster Night and Holiday Celebration dinner meeting and thank you for reading the entire newsletter.

David J. Erickson Sr., Administrative Secretary <u>derickson@symmons.com</u>: 847.287.0922

2014 Convention Host Committee Report

ASPE NEEDS YOUR HELP





Hello everyone,

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 three hour shifts, and 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 sending me an email.

http://tinyurl.com/2014-ASPE-Convention-Volunteer

Upcoming 2014 Convention Host Committee Meeting

Wednesday, December 11, 2013 (tentatively) 12:00PM Phone conference

Sponsorship Programs

Affiliates, please take advantage of one of our sponsorship programs. "The Manufacturer Spotlight" program has already sold out! Stay tuned for more sponsorship opportunities!

http://chicago.aspe.org/sponsorship.html

Thank you,

Frank Sanchez, CPD, 2014 Convention Host Committee Chair <u>fsanchez@grummanbutkus.com</u>

Guest Columnist: LEED v4 Finally Released at Greenbuild 2013



The USGBC LEED rating system has not been perfect and it received some criticism during its history. The development of LEED began in 1994, and it was released in 2000. LEED, despite its critics, has continued to evolve and has seen many changes and improvements. The latest version, LEED v 4, has just been released, and it has taken some steps to put down many of its apparent short comings.

LEED is basically responsible for introducing highly efficient toilets, urinals, and irrigation systems to thousands of buildings. These are objectives that will continue to be a focus of the next versions of

LEED. LEED v4 expands those water-savings targets to appliances, cooling towers, commercial kitchen equipment and other areas that consume a huge proportion of water in many buildings.

Some of these changes include the inclusion of cooling towers and other process water that was previously excluded.

Millions of gallons per year can be lost through a cooling tower installation. LEED v4's cooling tower credit is designed with an objective of reducing water lost through cooling tower blowdown. To qualify for this credit by increasing the number of cycles through which water can be re-circulated before it is dumped by blowdown. Thousands of gallons of water can be saved by increasing those cycles, and it potentially can be done without negative effects on the equipment, or on energy efficiency, when done using a sound chemical analysis and with the help of a qualified engineer. Depending on various factors including its chemistry, the blowdown water can also be captured and reused in appropriate applications such as irrigation. It can also be mixed and diluted with other water sources, like captured rainwater, to further render it sublime.

Potential water savings through the Cooling Tower Water Management credit (which offers up to two points to BD+C projects, and up to four for EB:O+M) could be more effective than through other efficiency strategiess. "If you do have a cooling tower, that's probably where the majority of savings will be," says Batya Metalitz, a LEED manager at USGBC.

Additionally, other process water and appliances receive some much-needed attention. Maximizing the new credits available through LEED v4 will take some study and planning, but I feel that this is exactly what we needed from LEED v4. This article is not even scratching the surface. Do some research and join the Team!

Abe" The Sausage King of Chicago" Froman, CPD, LEED AP BD+C, ARCSA_AP, GPD, MBCLT Plumbing Engineer, ASPE Chicago Chapter Member

ASPE/UCLA Extension Courses

ASPE/UCLA Plumbing Classes are available for Winter and Spring semesters!

Go to <u>www.uclaextension.edu</u> to find classes and sign-up! Current classes in the Winter semester:

Hospital and Laboratory Plumbing Systems Design

Plumbing Systems II: Advanced Engineering Systems



CORRESPONDING SECRETARY: INDUSTRY NEWS

I would like to give a shout out to **Repco Associates** for the hilariously awesome 'SNL Chicago Bears Super Fan' video skit which was relevant to their product lines. It was played at the November meeting and can be found here in case you missed it: <u>http://www.youtube.com/watch?v=ejzFBCVddB4</u>

I hope to see everyone at the upcoming Booster night for some drinking and intense gaming action. See 'ya at the foosball table! (Let me know if if you have another group we should be following... <u>chris@DRWindustrial.com</u>.)

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

Booster Night & Holiday Celebration

Date: Thursday, December 19, 2013 @ 5:30PM Location: La Villa Restaurant 3632 N. Pulaski Rd, Chicago, IL

American Society of Sanitary Engineering (ASSE)

(http://www.asse-plumbing.org/calendar.html) No info for any upcoming Chicago ASSE Chapter Meetings

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

No info for any upcoming Chicago NRWA Chapter Meetings

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

NFPA Training throughout the US.

<u>http://www.nfpa.org/itemDetail.asp?%</u> 09categoryID=943&itemID=22735&URL=Training/ Events%20calendar

Illinois Fire Prevention Association (IFPA)

(<u>www.ifpanet.org</u>)

No info for any upcoming Chicago IFPA Chapter Meetings

USGBC – Illinois Chapter (LEED)

(http://www.usgbc-illinois.org/events/event-calendar/)

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

Illinois Chapter of ASHRAE

(www.illinoisashrae.org)

Illinois Chapter is taking a 'Net Zero Retail Store Tour'

Date: Thursday, December 5, 2013 @ 5:30 PM Location: Firehouse Grill / Walgreens Tour 750 Chicago Avenue, Evanston, IL 60202 Details: <u>http://illinoisashrae.org/calendar.php</u>

PAMCANI

(www.pamcani.org)

PAMCANI industry-wide calendar: www.piccal.org

Illinois Association of Plumbing-Heating-Cooling Contractors (ILPHCC)

(www.ilphcc.com)

No info for any upcoming Chicago ILPHCC Chapter Meetings

Refrigeration Service Engineer's Society (RSES) (<u>www.rses.net</u>)

Chicagoland Chapter Meeting

Date: Tuesday, December 10, 2013 @ 7:00 PM Location: Silver Stallion Restaurant, 1275 Lee Street, Des Plaines, IL

American Society of Professional Estimators

(www.aspechicago.org)

Chicagoland Chapter Meeting

Date: Thursday, January 16, 2014 @ 5:30 PM Location: Brio Tuscan Grill 330 Yorktown Shopping Center, Lombard, IL 60148 Details: http://www.aspechicago.org/html/events.html

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

2014 ASPE Conv	CHICAGO ention Volunteer Sig	n-up Form	
Amerio Friday, September 19 For more information of	can Society of Plumbing Engine 2014 Convention & EPE Chicago, Illinois 9, 2014 through Wednesday, Se contact Frank Sanchez, CPD Host Comr 20 grummanbutkus.com Ph: 847.328.9	eers ptember 24, 2014 nittee Chairperson	
Name:	Work Number:		
	Home/Cell Number:		
Address:	Home/Cell Numbe	er:	
		er:	
	E-Mail:		

____ Greeting and giving out information to attendees at the Hospitality Room or at the assigned Hotels.

- ____ Friday, September 19
- _____ Saturday, September 20
- _____ Sunday, September 21
- Monday, September 22
- _____ Tuesday, September 23
- Wednesday, September 24
 - Volunteer Before the Convention I / We would like to volunteer before the convention as follows,
 - ____ Join the 2014 Convention Host Committee

Assemble Delegate Bags - Put giveaways items into bags- Friday, September 5th, 2014.

Thank you for your support to ASPE Chicago Chapter!

******** 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	<i>Aging in Place</i> By Peter Fazio Jr.	Parthenon 314 S Halsted St Chicago, IL		
February 20, 2014	To Be Determined (IAPMO Joint Meeting)	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	Fire Alarm Annunciation Technology	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 <u>mmannarelli@dbHMS.com</u> or 630.901.6446.				