



Chicago ASPENews



Chicago Chapter of the American Society of Plumbing Engineers
Vol. 42, No. 11
June, 2011

ANNUAL ASPE CHICAGO GOLF OUTING

Friday June 17, 2011

Hilldale Golf Club
1625 Ardwick Drive
Hoffman Estates, IL

Golf Prizes and Door Prizes!

No one will leave empty handed!

Please contact the ASPE Chicago
Chapter Golf Outing Chairman
Steve T. Triphahn

W-T Engineering, Inc.
Steve.triphahn@wtengineering.com
Phone: (224) 293-6333
Fax: (224) 293-6444

Agenda

- 7:30 am Show up, warm up and eat up.
- 8:30 am Shotgun tee-off; do NOT be late!
- 3:00 pm Cash Bar
- 4:00 pm Buffet Dinner

Special Thanks To:

Luczak Sales

Coffee & Rolls

Metropolitan Industries

Hot Dogs, Sausages & Chips



Local Chapters are not authorized to speak for the Society

President's Message

Here we are with it FINALLY feeling like spring. Or is it summer? Who knows? I'm just glad we aren't freezing anymore. And since we aren't freezing, that must mean it's time for the annual ASPE Chicago Golf Outing! Yup! This year's golf outing is Friday June 17 at Hilldale Golf Club in Hoffman Estates (where it always is). Once again, Golf Outing Chairman Steve Triphahn has put together an outstanding outing and I believe he has already put in the call for good weather. If you have any questions about getting a foursome or sponsoring a hole, please contact him as soon as possible at steve.triphahn@wtengineering.com or 224.293.6333.



I would like to thank so many ASPE Chicago members for coming out to our May meeting. That was a fun time, huh? The acoustic version of the band C-Factor (www.cfactor2.com) played for us during cocktail hour. Speaking of cocktail hour, big thanks to Repco Associates for helping sponsor it! Following that with a great meal and a wonderful presentation by Cecil Bilbo (who I hope we have back) made the night a smashing success!

Something else that happened at the May meeting is that we had elections. As the City of Chicago changed leadership, so did ASPE Chicago. In fact, the new mayor set the slate of candidates and made sure everyone was running unopposed. How could we argue with that? So, your new ASPE Chicago officers for 2011-2013 are:

President – Frank Sanchez, Grumman/Butkus, fxs@grummanbutkus.com
Vice President Technical – Rick Butler, Lochinvar, rbutler@lochinvar.com
Vice President Legislative – Mark Mannarelli, ESD, mmannarelli@esdglobal.com
Vice President Membership – Tony Navarro, LDC, tnavarro@lehmandesigninc.com
Treasurer – Sean Allard, ESD, sallard@esdglobal.com
Administrative Secretary – Francisco DeHoyos, dbHMS, fdehoyos@dbhms.com
Corresponding Secretary – Keith Seier, ESD, kseier@esdglobal.com

Congratulations to our new officers and thank you to Joe Ficek for being our Election Chairman again. The new officers will take over at the end of June and I KNOW they will do a great job. On that note, it is time for me to close this chapter (no pun intended) as President of the Chicago Regional Chapter of ASPE. Yeah, that's our official name.

I am honored that you all allowed me to lead the Chicago Chapter again. Did I accomplish everything I intended? No, not by a long shot. Am I proud of the work we accomplished in the past two years? Definitely! We know there is still room for improvement and I think the new Board will keep taking us higher. It is the duty of the Board to make you want to come to meetings, to make you want to come to the Product Show and to give you the best education possible. If you EVER have an idea or a complaint, please share it with any chapter officer. Equally important, please contact a chapter officer if you want to help out – we have plenty of ways you can volunteer to help the chapter and your fellow members. Go ahead and send an email, they are listed above.

My friends of the Chicago Chapter, it has been a pleasure serving you. Any accomplishments achieved during my time as Corresponding Secretary, VP Technical and of course, President, were always the result of a TEAM effort. I would like to thank the following people with whom I had the pleasure to serve on ASPE Chicago Boards of directors (in no particular order): Dan Fagan (Past President), Bob Jackson (Past President), Tim Smith (Past President), Rick Butler, Don Ware, Phill Kroll, Mark Kaulas, Bruce Weiss, David DeBord (Past President), Greg Pardue, Jerry Fields, Dick Simms, Mark Mannarelli, Sean Allard, Natalia Dankanich, Peter Wu, Tony Navarro and Mick Bradford.

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President's Message ***(continued)***

I would also like to thank those people who have been committee chairs during my time as a Chicago Chapter officer including:

- Newsletter Editors – Mike Cwanek (Past President), Tim Smith, Dan Fagan and Tony Navarro
- Education Chairmen – Harold Miller and Dan Fagan
- Product Show Chairmen – Joe Ficek (Past President), Bruce Weiss, Frank Sanchez and Phill Kroll; also going to include Bob Dahlmann (Past President) here as he has been at show center making sure SO many things get done at every Product Show I have ever attended
- Golf Outing Chairman – Steve Triphahn (Past President)
- Chapter Historian – Don Johnson
- Webmaster – Jim Moynihan

Finally, I would like to publicly thank a few people who for some reason or another are directly responsible for any success I have been part of in my time on the Chicago Chapter Board:

- Jim Wright – for getting me to go to ASPE meetings and for always agreeing to buy my beer as long as I drank what he was drinking. You have no idea how many Hacker-Pschorr Weisse beers I forced down just because my boss at WCW was paying. I owe you a couple beers, Jim, and still your call!
- Dan Doyle and Al Butkus – for Grumman/Butkus' supporting not only my involvement with ASPE but also the involvement of my coworkers. I know sometimes we spent a little too much time on ASPE; but, your support has and will always be much appreciated and have a lot to do with the continuing success of ASPE Chicago. I probably owe you guys a couple beers, too!
- Joe Ficek – for pushing me to run for an officer position, supporting me, giving me advice and listen to my sometimes incessant complaining about whatever was the topic of the day! Thanks for the push and thanks for always being there. Cheers!

My apologies to anyone I might have forgotten. If you were not mentioned here, please do not take it personally. I am only allowed so many pages in the newsletter! There are SO many other ASPE members (both of Chicago AND other chapters) who have not only helped make my ASPE time fun and educational but also have become my friends. I have learned so very much from all of you and will always be grateful to ASPE Chicago. I hope that I have made clear to those people how much they mean to me and how much I appreciate them.

I do have one last person to thank and that is my fiancée, Laura. She groaned when I said I was going to be ASPE Chicago President again; but, she has never been anything less than 100% supportive. At one point, we actually discussed taking over the world while I was ASPE Chicago President and she was President of the Graduate Student Senate at the University of Delaware. I think we could have done it with a good transition team in place. Anyway, we will be getting married this fall AND be relocating. Some of you knew that already and others are learning it now. A play on the words of a basketball player I can't stand, "we will be taking our talents to Evansville, Indiana" where Laura has accepted a faculty position at the University of Evansville. New life, new wife, new home and new job. We're looking forward to starting with a clean slate. Ummm, if you know anyone looking for a plumbing/ medical gas guy down there, please let me know!

That's the news and I am outta here.

Jason McDonald, President
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Technical Report



My Last Technical Report ...

Volunteering for ASPE has been an amazing experience. We all have to make sacrifices, but it also provides great personal rewards. At the end of the year, one can look back and feel satisfied for providing free technical presentations, a spotless Product Show and one of the best Golf Outings in the industry. We all had opportunities to network and the new friendships one makes will last a lifetime. These are only a few of the reasons why you should volunteer and support our Chapter, the greatest Chapter in the States.

This past May meeting brought our 2010/2011 calendar to an end, we provided you with popular venues and great seminars. However, all this would have been impossible without the continuous support of our Members and Affiliates. Thank you for your support and please keep coming to meetings and getting involved. Not only did we improve our technical knowledge, but also, we had the opportunity to share good times with our friends and colleagues.

Jason McDonald did an amazing job running this chapter, he is truly a leader and we learned from his actions rather than his teachings. ASPE Chicago will always remember him and will always be thankful for his hard work. Good job Doctor! We all wish Jason and Laura the best of luck in their new endeavors. You may be out of sight, but never out of our minds!

Lau II (ASPE Chicago Mascot/ Hula Guy) is also grateful for not suffering a single injury during Jason's second term, unlike his predecessor, LAU I (Original ASPE Chicago Mascot/ Hula Guy). We can only hope this is still the case after the upcoming golf outing. As you may know, years back, Lau I got into terrible accident while somebody tried to tee off using his head as a golf tee. Unfortunately, that person missed by a landslide.

“Lau I: Don't take yourselves too seriously and make some time to have fun!”

I would like to thank you for your trust and support throughout the years. I have been so proud to volunteer for this great chapter for years, VPT 2010-2011; VPL 2008-2010; Treasurer 2006-2008 and 2010-2009-2008 Product Show Chair. I am aware that my new position on the Board of Directors will be challenging, but I can assure you the Chapter is in great hands. We have experienced people who will achieve amazing things in the next two years. Also, I know my fiancée will support me on this task, thank you ahead of time Heather!

Finally, I would like to thank my employer, Grumman/Butkus Associates; they are strong ASPE supporters and provide us all with flexible schedules to get the job done.

I am truly honored to have the opportunity to serve as your President for the next two years,

Frank Sanchez, CPD; Vice President Technical / President Elect

fxs@grummanbutkus.com; 847 316.9251

Reduce, reuse, recycle... Rethink.

May Meeting Sponsor

ASPE Chicago Chapter would like to thank:



REPCO Associates

<http://www.repcoassociates.com/>

Thanks for being our May Meeting Sponsor and
for your continued support!

If your company is interested in sponsoring one of our regular meetings, please contact your Vice President Technical Rick Butler at rbutler@lochinvar.com

Meeting Costs and the Importance of RSVP

RSVPs are extremely important, especially for a large chapter like Chicago. The lack of them takes a toll on all of us, because it means that the restaurant has to set up more seats and prepare more food than what we anticipated. This can increase our overall costs and delay the presentations.



All you have to do is click on the email address below and hit send; that's it. This email is used **only** for RSVPs.

Thanks to all those who RSVP on a regular basis, you are entered in a **free dinner raffle** and if you are a member also receive a **\$5 discount** on your dinner cost!

RSVP = Répondez s'il vous plaît = Respond if you please!

Email: Chicago.ASPE.RSVP@gmail.com

Frank Sanchez, CPD, Vice President Technical / President Elect

fxs@grummanbutkus.com; 847 316.9251

May Meeting Technical Presentation

“NFPA 13 UPDATES, by Cecil Bilbo, Academy of Fire Sprinkler Technology at Parkland College

Cecil serves as the Academy's Director of Engineering Technology. To fulfill the duties of this position, Mr. Bilbo is responsible for developing and delivering curriculum to students. He utilizes the Academy's new facility to provide hands-on instructional experiences.

Cecil Bilbo provided one of the best presentations related to NFPA 13 that we have seen. He is not only a charismatic speaker, but also has a lot of experience teaching at the Academy of Fire Sprinkler Technology and serving in different committees. He explained NFPA 13 recent updates and covered very interesting topics, like ceiling clouds, sprinklers in elevators shafts (not required for electric units), concealed spaces, small openings, proposal to re-use existing sprinklers, small closet rules and the alarming issue associated with fires where high concentration of antifreeze solution was present.

The following information is taken from the NFPA website. Please visit that website for updated information.

<http://www.nfpa.org/itemDetail.asp?categoryID=2064&itemID=48038&cookie%5Ftest=1>

NFPA issues updated Safety Alert regarding antifreeze in sprinkler systems

NOTE: This Safety Alert replaces previous antifreeze alerts dated July 2010 and August 2010.

Download this safety alert, issued April 5, 2011 (PDF, 119 KB)

http://www.nfpa.org/assets/files/NFPA_Safety_Alert_on_Antifreeze_April_2011.pdf

Background

Following reports of a fire incident involving a sprinkler system that contained a high concentration antifreeze solution, research and standards development activities were begun to address concerns raised by the combustibility of antifreeze solutions in residential sprinkler systems. As information became available, NFPA published two successive Safety Alerts providing guidance from NFPA in its role as a safety advocate and announcing Tentative Interim Amendments (TIAs) to NFPA sprinkler standards that were issued by the NFPA Standards Council. The TIAs and the additional NFPA guidance offered in those Safety Alerts were interim actions while the responsible standards development Technical Committees reviewed the results of the research and reached consensus on further amendments to the NFPA sprinkler standards.

The sprinkler committees have now completed the review and consideration of the issues related to the use of antifreeze in sprinkler systems and, based on the available information, have reached consensus on four TIAs that were issued by the NFPA Standards Council (PDF, 81 KB) on March 1, 2011. The four TIAs achieve a more comprehensive approach to the treatment of antifreeze in NFPA sprinkler standards, and provide new requirements for the use of antifreeze in both new and existing residential occupancies and in non-residential occupancies as well.

NFPA further recommends

Consider alternatives to antifreeze. It is important to remember that, while the TIAs to the NFPA sprinkler standards allow the limited use of antifreeze as an option to address freeze potential, they do not require the use of antifreeze in sprinkler systems. Both in designing new systems and evaluating existing systems, owners and contractors are encouraged to investigate other methods of maintaining wet pipe systems in environments where freezing of pipes may be a concern. Several alternative design options exist including the use of insulation, heating areas where sprinkler piping is run, or use of dry pipe and preaction systems in areas subject to freezing.

May Meeting Technical Presentation

(Continued)

Use the minimum necessary concentration. Where antifreeze is used in sprinkler systems, the concentration of antifreeze solution used in the system should be limited to the minimum concentration necessary for the lowest anticipated temperatures. Of course, in no event should the minimum concentration ever exceed the concentrations permitted by the applicable NFPA sprinkler standard.

Initial testing. If not already completed, the testing required by the TIAs should be initiated as soon as possible and be conducted by a qualified individual. NFPA recommends that homeowners with residential sprinkler systems contact a local sprinkler contractor for assistance.

New Requirements for Sprinkler Systems Containing Antifreeze – A Summary

The four new TIAs apply, respectively, to:

- NFPA 13, Standard for the Installation of Sprinkler Systems (PDF, 113 KB) (2010 edition)
- NFPA 13R, Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height (PDF, 19 KB) (2010 edition)
- NFPA 13D, Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes (PDF, 45 KB) (2010 edition)
- NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (PDF, 101 KB) (2011 edition)

The previous TIAs that were issued by the Standards Council in August 2010 are no longer in effect.

What follows is a general summary of the main new antifreeze requirements that the TIAs have added to the NFPA sprinkler standards. This summary does not describe all the details or all of the provisions; the applicable sprinkler standard, as amended by the new TIAs, should be directly consulted for a complete and accurate understanding of the requirements related to the use of antifreeze.

New Sprinkler Systems Containing Antifreeze – NFPA 13, NFPA 13D and NFPA 13R Sprinkler Systems

- New systems are required to use only factory premixed antifreeze solutions. The maximum allowable concentration of glycerin for a new system is 48% by volume.
- The maximum allowable concentration of propylene glycol for a new system is 38% by volume.
- All factory premixed antifreeze solutions used in NFPA 13 and 13R systems must be provided with a certificate indicating the type of antifreeze, the concentration and the freezing point. Factory premixed antifreeze solutions of propylene glycol in excess of 40% by volume are permitted in ESFR (Early Suppression Fast Response) systems where the sprinklers are listed for such use in a specific application.
- Factory premixed antifreeze solutions other than propylene glycol and glycerin are permitted only where they are specifically listed for use in sprinkler systems.
- New systems, once installed, must be annually tested in the manner required for existing systems, summarized below.

Existing Sprinkler Systems Containing Antifreeze

Existing NFPA 13D Sprinkler Systems

- NFPA 13D systems must be tested annually by a qualified individual. NFPA 13D provides two alternative test procedures. In the first alternative, the system is drained and two solution samples are taken, one near the beginning and one near the end of the draining process. In the second alternative, the system is not drained and two solution samples are taken, one at the highest practical elevation and one at the lowest practical elevation of the system.

May Meeting Technical Presentation

(Continued)

- The two samples collected using either alternative procedure are then tested to verify that the specific gravity of both samples is similar. If the specific gravity of both samples is similar and if the system is found to contain factory premixed antifreeze solutions of either glycerin at a maximum concentration of 50% by volume or propylene glycol at a maximum concentration of 40% by volume (or other solutions listed specifically for use in fire protection systems), then the existing solution is allowed to remain in service. If these conditions are not met, the existing solution must be replaced with a premixed anti-freeze solution of either glycerin at a maximum concentration of 50% by volume or propylene glycol at a maximum concentration of 40% by volume (or other solutions listed specifically for use in fire protection systems).
- The concentration of antifreeze solutions shall be limited to the minimum necessary for the anticipated minimum temperature.
- Following the annual test, a tag must be attached to the riser indicating the date of the last test, the type and concentration of antifreeze solution, the date the antifreeze was replaced (if applicable), the name and license number of the contractor that tested and/or replaced the antifreeze solution, a statement indicating if the entire system was drained and replaced with antifreeze and a warning to test the concentration of the solution at yearly intervals per NFPA 13D.

Existing NFPA 13 and NFPA 13R Sprinkler Systems

- Antifreeze solutions systems must be tested annually, prior to the onset of freezing weather.
- If it is determined that the solution found in the system is no longer permitted or if the type of anti-freeze cannot be reliably determined, the system must be drained and replaced with an acceptable factory premixed solution.
- If the initial tests indicate that the solution type is acceptable, test samples must be taken at the top and bottom of each system (in some cases an additional sample must be taken).
- If all the test samples indicate a concentration of glycerin not greater than 50% by volume or propylene glycol not greater than 40% by volume, then the solution is permitted and may remain in the system.
- If any of the samples indicate a concentration in excess of the permissible maximum concentrations (i.e. 50% glycerin/40% propylene glycol), the system must be emptied and refilled with a factory premixed solution): - For newly introduced glycerin solutions, the solutions must be factory premixed solutions with a concentration not exceeding 48% by volume. - For newly introduced propylene glycol solutions, the solutions must be factory premixed solutions with a concentration not exceeding 38% by volume.

FOR MORE INFORMATION ON THIS SECURITY ALERT

Join Matthew Klaus, NFPA Senior Fire Protection Engineer, for a free online presentation regarding changes to NFPA sprinkler-related codes. The changes were brought about by tentative interim amendments (TIAs) regarding the use of antifreeze in sprinkler systems. The presentations will be broadcast on June 28, July 7, and July 19.

- [Register for the June 28 presentation.](#)
- [Register for the July 7 presentation.](#)
- [Register for the July 19 presentation.](#)

Frank Sanchez, CPD, Vice President Technical / President Elect
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VP Legislative

FORE!

Especially when I am hitting, I cannot wait for the golf outing. It is always an anticipated favorite event for me.



Well another year is passing, and we will be moving on to new positions in our chapter, and some moving on different avenues. I would like to thank our past, or nearly past President Jason McDonald. I worked with him for several years on the board. He is a slave driver (in a good way), but one heck of a guy. One says, expect from others what you put into something. He should have expected tons from us, he did an outstanding job.

Now for the future, I will be taking over the V/P Technical position. That will be a hard fill also due to the great job Frank Sanchez did. Here are the seminars for next year:

September: Water Heaters Part 1
October: Water Heaters Part 2
November: Water Heaters Part 3
January: Water Heaters Part 4
February: Water Heaters Part 5
March: Water Heaters Part 6
May: Water Heaters Part 7



Just a little plumbing humor. Seriously folks, I would like to bring to table some unique seminars for our dinner meetings and the product show for the upcoming year. Please pass on any ideas you may have, they will all be considered. They do not even need to be related to Plumbing. Maybe self improvement, organization... Whatever you think would benefit the Chapter.

Finally, congratulations to all the anniversary recipients.

Rick Butler, Vice President Legislative

rbutler@lochinvar.com; 815 477.9983

Affiliates

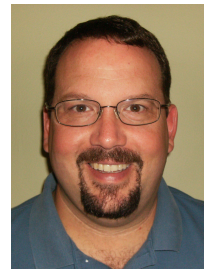
What an election night meeting! The Band was Awesome! Great company and good food. Attendance for our meetings has been tremendous. Thanks to everyone.

We are sorry to see Jason go but really appreciate everything he has done for the Chicago ASPE Chapter. You definitely have contributed to the Chapter being the best in the country.

The Golf outing is coming up. Hope to see everyone there in June. I look forward to continuing as your Affiliate Liaison for another term.

Mick Bradford, Affiliate Liaison

mick@miller-sales.com, 630-688-2635



Meet the New Board Members

The purpose of this letter is to briefly introduce myself as the new ASPE Chicago Chapter Administrative Secretary. I have been a member of the Chapter for close to fourteen years.

I went college in Monterrey Mexico at Universidad Autonoma de Nuevo Leon. However, I was introduced to the plumbing world by my mentor Robert Huston from Calor Design Group here in Chicago. I will always be grateful for the opportunity given to me by him. I began my career as a plumbing designer twenty years ago doing riser diagrams eight hours a day, five days a week using a mechanical pencil not a mouse. I look back at all of the changes just in the past few years and I can't help being amazed at how we have grown.

I look forward to what the future holds for us and I am grateful for the opportunity given to me now to join the board. I hope to continue the legacy my previous partners have done. I promise to help in every way possible to improve our Chapter so it can continue to be the best from ASPE.

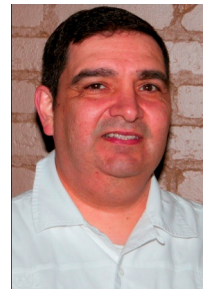
I will also like to take this opportunity to thank everyone who worked so hard on my election campaign. The fundraising efforts were above and beyond my wildest dreams. I was so sad to see my opponents didn't stand a chance against my team I would have enjoyed a bigger challenge. Thanks again for your votes and I think that allowing our members from overseas to also text in their votes made a huge difference in our numbers.

I look forward to seeing everyone in our next meeting.

Yours truly,

Francisco DeHoyos, Administrative Secretary Elect

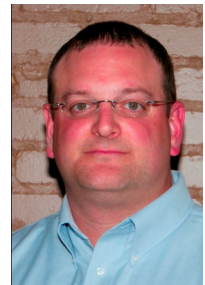
jfdehoyos@yahoo.com



Hello, my name is Keith Seier and I will be your new Corresponding Secretary. I am looking forward to this upcoming year and serving the Chicago Chapter with updates on other organizations such as NFPA, SFPE, ILFPA, PAMCANI, ASSE, ASCE, ILPHCC and ASHRAE. If there are any other organizations that you would like to include, please send me a quick note at the email provided below.

Keith Seier, Corresponding Secretary Elect

kseier@esdglobal.com





V.P. Membership

Hello again from your friendly V.P. Membership,

I would like to WELCOME the following new member to the Chicago Chapter; Mr. Ron Pison with Environmental System Design. So Please welcome him "AGAIN" into our ASPE FAMILY. Chicago is still the leading Chapter in the ASPE organization as of May 3, 2010 with 328 active members.

I would like to say that I have met or have spoken to many members while serving as your V.P. Membership. In some cases it was great to put a face with a name. I am moving on to V.P. Legislative and would like to welcome Tony Navarro as the new V.P. Membership. I would like to say thank you to Natalia Dankanich our **ADMINISTRATIVE SECRETARY** who dedicated her time on the board. **Thanks again for all the meeting minutes!**

I would like to say goodbye to Jason McDonald ASPE CHICAGO PRESIDENT for he has been a person I can respect for the continued hard work he has put in for the Chicago Chapter as well as for the entire Society. Best of luck and may Lau be with you!

June is just around the corner with the last meeting at Hilldale Country Club. Although I will not be at the Annual golf outing this year (thanks for all the invites) I will however again descend upon the City of Cancun in the great Country of Mexico. I will have a beer, not one but many as I will have you in mind.

A few golf quotes for those who will try and golf at Hilldale:

The reason the pro tells you to keep your head down is so you can't see him laughing. ~Phyllis Diller

I have a tip that can take five strokes off anyone's golf game: it's called an eraser. ~Arnold Palmer

If you drink, don't drive. Don't even putt. ~Dean Martin

What if....!

(CBS) *In its "Where America Stands" series, CBS News is looking at a broad spectrum of issues facing this country in the new decade.* Americans are the world's biggest water consumers. By 9 a.m., after showering, using the bathroom, brushing our teeth and having a cup of coffee, each of us typically has used more than 30 gallons of water. After doing the dishes - 12 gallons per load - running the washing machine - 43 gallons per load - and watering the lawn - 10 gallons per minute - by the time we go to bed, we've used up to 150 gallons. By comparison, people in the U.K. use a quarter of that - 40 gallons of water a day. The Chinese average just 22 gallons per day. And in the poorest countries like Kenya, people use less than the minimum 13 gallons to cover basic needs.

Because Americans use so much, the report card shows water is an emerging crisis here.

"Water is overtaking oil as our scarcest natural resource in the world," said Steven Solomon, author of the new book *"Water: The Epic Struggle For Wealth, Power, and Civilization."* "And even we're going to find, in the United States as well." Scientists have never measured the exact amount of water available in the U.S., but they're concerned enough that they've just launched a new government study to find out. Experts do agree: Demand is greater than supply. And 36 states face water shortages in the next three years. Every day Arizona and parts of New Mexico use 300 million gallons more than they get in renewable supply. The extra comes from underground supplies which are not renewable.

The Problem

How much water's underground? When could it run out? No one knows. And clearly that is a problem.

Nowhere is America's water crisis more evident than Lake Mead, just outside Las Vegas. The city has 2 million thirsty people - and gets 90 percent of its drinking water from the lake.

This area has grappled with a decade of drought. All last year it rained two inches, half its normal total.

"It's the driest city in the United States; it's definitely at the crisis level," said Pat Mulroy of the Southern Nevada Water Authority.

As we look at this study we should all be sure to think about the impact the next time we turn on the faucet, shower, or hose and realize how lucky we are and how valuable our water is. See all of you at next September's monthly meeting!

Mark Mannarelli, VP Membership

mmannarelli@esdesign.com; 312.456.2354

Administrative Secretary



Greetings everyone. Spring is trying to adjust itself in Chicago with warm temperature and lots of rain. Positive side - we don't have to water our grass. Everything looks nice and green. Time to party outdoors. That what golf is for.

This is my last article as administrative secretary of Chicago ASPE. I am very excited for the new Bod to start working next month and very grateful for the opportunity you gave me to serve the greatest chapter – Chicago ASPE Chapter. Thank you for your support thru all those years and congratulations to the newly elected Bod members.

And now I would like to introduce winners of the night. Terry LeBeau of Halogen Supply won a free dinner, and Ralph Dantino of Kast Marketing, was the 50/50 raffle winner. Congratulations guys! Have a great summer everyone!

Natalia Dankanich, Administrative Secretary

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May 19, 2011 MEETING ATTENDANCE

The following list of individuals attended the May 19, 2011 meeting of the ASPE Chicago Chapter. In accordance with ASPE Society policy, these individuals are entitled to 0.75 RU's towards the required 24 RU's needed every two years to maintain CPD registration. Meeting attendance is also recognized by the Illinois Department of Professional Regulation to count as 1 PDH towards the required 30 PDH's needed every two years to renew Professional Engineering licenses.

Amanda Beck	Frank Sanchez	Ken Cutler	Ralph Dantino
Andy Dailey	George Palermo	Kevin Zaleski	Rick Butler
Aris Avanessian	George Pagach	Larry Luczak	Scott Baron
Bill Bauer	George Sobyra	Marciusz Klimec	Shawn McAuliffe
Bryan Fonseca	Greg Luczak	Mark Luczak	Steve Norbut
Cecil Bilbo, Presenter	Heather Conwell	Mark Mannarelli	Steven Adams
Chris Sbarbaro	James Dipping	Mel Withrow	Terry LeBeau
Chris Wisinski	Jamie Diamond	Michael Cwanek	Tim Smith
Chuck Mytich	Jason McDonald	Michael Whiteside	Todd Cooper
Damon Cameron	Jason Romano	Mick Bradford	Tom Babcock
Dan Courtney	Jeff Cochran	Mike Cusack	Tom Dolan
Daniel Patt	Jeremy Cantor	Mike Hanney	Tom Higgins IV
Dave Anderson	Joseph Ficek	Mike Imaoka	Tom Higgins
Dave Luczak	Joe Leonard	Mike Ponx	Tom Lang
David DeBord	Joe McCleery	Mike Temes	Tony Navarro
David Lehman	John Nieman	Natalia Dankanich	Wade Giorno
Dick Simms	John Stanzi	Neil Vogel	Mark Kaulas
E.J. Kedzie	Jon Triphahn	Nevo Martelli	Matt Keller
Ed Lichner	Jonathan Kulpit	Otton Finiewicz	Greg Nagrant
Edward Mendez	Ken Kowols	Paul Riedinger	Eric Urbaniec
Francisco DeHoyos	Keith W. Seier	Phill Kroll	

ASPE Chicago Product Show Attendance Corrections

Product Show on April 21, 2011

The following list of individuals attended the April 21, 2011 ASPE Chicago Chapter.

In accordance with ASPE Society policy, these individuals are entitled to 1.5 RU's towards the required 24 RU's needed every two years to maintain CPD registration.

Attendance is also recognized by the Illinois Department of Professional Regulation to count as 2.0 PDH towards the required 30 PDH's needed every two years to renew Professional Engineering licenses.

SOLAR HOT WATER HEATING SYSTEMS

IDPH Application #750-050-S4

Presented by Victor Rilling of AMT/Mechanical Room, Inc. /NTS-Solar

Seminar Hours: 1:30 pm– 3:00 pm

CEUs Provided: 2.0 State of IL, 1.5 ASPE

Terry LeBeau
Veerabhadra Koneru

This printing constitutes our record of who was in attendance. We apologize for any misspelling of names and ask that for future sign-ins, please print legibly. Thank You!

Golf Outing 2011

We still have foursomes available. You don't want to be left out, don't delay in returning your reservation form. This year's outing will be held on June 17, 2011 at Hilldale Golf Club in Hoffman Estates. We will start with a "shot-gun" tee-off at 8:30am. Shower and locker facilities are available in the clubhouse. Cocktails (cash bar) will begin at 3:00pm with a buffet style dinner to follow at 4:00pm. As years past, lunch will be served between the 9th and 10th holes (sponsored by **Metropolitan Industries**). Coffee, juice and rolls will be served from 7:30am-8:30am in the snack shop (sponsored by **Luczak Sales**) and beverages will be served throughout the day. **There will also be special displays and activities as you play the course.**

At the time of writing this article, we would like to thank the following manufacturers/ representatives for being hole sponsors:

Luczak Sales	R.C. Sales
Mifab	Repco
T.J. Higgins	Mid-Continent
Daugherty Sales	Affiliated Steam
Bradley	Viega
Bornquist	Symmons
Hart, Travers	Miller Sales
Inland Sales	FTI
Meilner	Lochinvar
Nibco	Victaulic

Please remember our supporters when specifying equipment.

Special thanks to

LUCZAK SALES

For sponsoring the coffee, juice and rolls

And

METROPOLITAN INDUSTRIES

For sponsoring the lunch

We appreciate your support and look forward to another successful outing.

June Events



Illinois Plumbing, Heating, Cooling Contractors (ILPHCC)

IL PHCC Convention, Bloomington/Normal IL
June 9-12th at the Marriott Hotel in Normal, IL
Register at <https://www.ilphcc.com>

Plumbing and Mechanical Contractors Authority of Northern Illinois (PAMCANI)

PAMCANI Golf Outing, St. Andrews, West Chicago
June 24th, register online at www.pamcani.org/calendar/register.html

National Fire Protection Association (NFPA)

NFPA Conference & Expo, Boston Convention & Exhibition Center, Boston, MA
June 12-15th, register at: www.nfpa.org

American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE)

Lunch Seminar—ASHRAE Standard 189.1-2009 Standard for the Design of High-Performance Green Buildings.
Tuesday, June 14, Metropolitan Club, Oak Room, Willis Tower, 66th floor.
Registration at 11:30, Seminar begins at 12:30, Dinner meeting begins at 6:00
Visit www.illinoisashrae.org or call 708 636 3604.

As the season for professional organizations winds down, I like to shift focus on fun, outdoor activities. Here are a few in our own backyard that I highly recommend. So grab your family (or significant other), don the shorts and sandals and hit the street!

Chicago Blues Festival

June 10-12 in Grant Park
Visit www.chicagobluesfestival.us

Ribfest Chicago

June 10-12 at the intersection of Lincoln Ave, Irving Park and Damen
Amateur Rib-Eating Contest, Live Music

Jammin' at the Zoo

June 24th at Lincoln Park Zoo, South Lawn
Live music from national music acts

L. Anthony Navarro PE, Corresponding Secretary

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2010-2011 ASPE Chicago Meeting Schedule

Date	Technical Presentation	Location
September 16, 2010	<i>Oil Interceptors presented by Rob Williams of Rockford Interceptors / Deery-Pardue & Assoc</i>	<i>Chief O'Neill's Pub 3471 North Elston Ave. Chicago, IL</i>
October 21, 2010	<i>Rain Water Harvesting using Siphonic Roof Drainage Systems, presented by Ted Kenny of JR Smith / Luczak Sales</i>	<i>Westwood Tavern & Tap 1385 N. Meacham Rd. Schaumburg, IL</i>
10/30/2010 - 11/3/2010	<i>ASPE Convention and EPE http://aspe.org/2010ConventionAndEPE</i>	<i>Pennsylvania Convention Center Philadelphia</i>
November 18, 2010	<i>"Copper Systems and Industry Update" by Craig Thompson of Copper Development Association</i>	<i>La Villa Restaurant 3632 N Pulaski Rd · Chicago, IL</i>
December 16, 2010	<i>Booster Night Special Entertainment by Steve Cochran, comedian</i>	<i>La Villa Restaurant 3632 N Pulaski Rd · Chicago, IL</i>
January 20, 2011	<i>"Blue Gold: World Water Wars" Free Movie Screening\ PBS USA and Filmmaker Sam Bozzo http://www.bluegold-worldwaterwars.com/</i>	<i>La Villa Restaurant 3632 N Pulaski Rd · Chicago, IL</i>
February 17, 2011	<i>IAPMO - Green Initiatives and Code Updates by Dave Viola IAPMO Director of Special Services</i>	<i>The Parthenon 314 S Halsted Ave Chicago, IL</i>
March 17, 2011	<i>Plumbing and Kitchen Design by Cini-Little Design</i>	<i>La Villa Restaurant 3632 N Pulaski Rd · Chicago, IL</i>
April 21, 2011	<i>40th Annual ASPE Chicago Product Show and Seminars</i>	<i>White Eagle - 6839 N Milwaukee Ave, Niles, IL 60714</i>
May 19, 2011	<i>NFPA 13 Code Updates Cecil Bilbo, Academy of Fire Sprinkler Technology at Parkland College</i>	<i>Westwood Tavern & Tap 1385 N. Meacham Rd. Schaumburg, IL</i>
June 17, 2011	Annual Golf Outing	Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates

*If you would like to present any of these topics or become a meeting sponsor, please contact
Frank Sanchez, CPD at fxs@grummanbutkus.com, 847.316.9251*