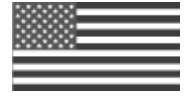




Chicago ASPENEWS



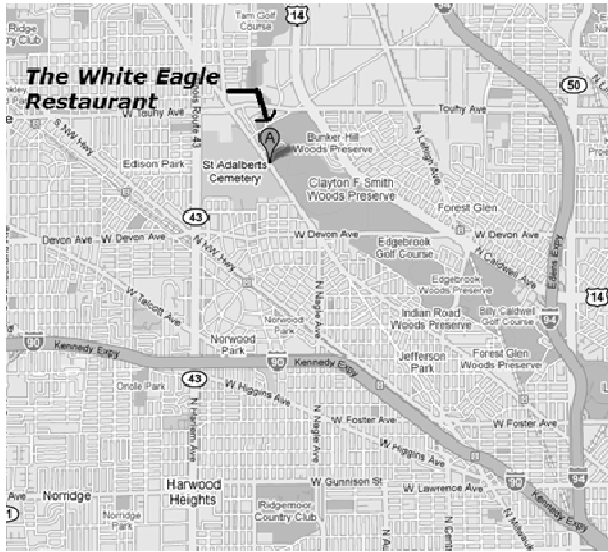
Chicago Chapter of the American Society of Plumbing Engineers
Vol. 42, No. 9 April, 2011

40th Annual ASPE Chicago Chapter Product Show Thursday April 21, 2011

White Eagle Restaurant
6839 Milwaukee Ave.
Niles, Illinois



Show Hours
3:00—7:00
Seminar Times
First Session 11:30—1:00
Second Session 1:30—3:00



Free Lunch Provided for Seminar Attendees with RSVP!!!
RSVP To Frank Sanchez
E-Mail: Chicago.ASPE.RSVP@gmail.com
Call: 847.316.9251
Fax: 847.328.4550
Return the enclosed card to RSVP.

Seminars include:
Room #1
(IL State Approved CEU's Application # 750-050)
⇒ **America's Infrastructure Report**
Presented by: Darren T. Olsen, PE from the American Society of Civil Engineers.

⇒ **City of Chicago and Backflow Prevention**
Presented by: John McEneaney, Plumbing Inspector from the Department of Buildings
Room #2
(ASPE Approved CEU's)
⇒ **Calculation and Design of Hot Water Return Systems**
Presented by: Mark Kaulas of Bornquist

⇒ **Solar Water Heating Systems**
Presented by: Eric York of NTS Solar.



All Technical Seminars are FREE!
3 ASPE Approved & 4 IL State Approved CEU's!
Exclusive seminar attendee raffle!



Local Chapters are not authorized to speak for the Society

President's Message

Hello all and welcome Spring! I'm going to get right to it this month because there is a lot to talk about.

The Quick Stuff

- Elections are at our May meeting. All positions are open. Please let me know if you are interested in becoming an officer for the best ASPE Chapter in the world!
- Our annual golf outing is in June. If you are an affiliate, be on the lookout for a mailing from Golf Outing Chairman Steve Triphahn in the very near future.
- Membership - If you move, change companies, change email addresses or change product lines, PLEASE make sure to contact our VP Membership Mark Mannarelli, mmannarelli@esdglobal.com. It is vital that we are able to keep in contact with you and the best way to make that happen is to keep us up to date with YOU!
- Congrats to Mark Mannarelli for winning the 50/50 raffle which benefited World Vision, a charity helping the people of Japan. Mark also donated some of his winnings back to the charity—Thanks Mark.
- Congrats to whoever won the free dinner drawing. I failed to write it down and have since forgotten. But, hey, congrats man!

REAL Important Stuff – The Product Show

ASPE Chicago's 40th Annual Product Show is coming up on Thursday April 21 at White Eagle in Niles, IL. Many attendees focus on the fact that everything is free. Yes, that IS a good point. But, you should also be aware that:

- There will be FOUR outstanding seminars, a minimum of two will be eligible for State of Illinois CEU's
- There is a free lunch AND raffle for all seminar attendees who RSVP to **Chicago.ASPE.RSVP@gmail.com**.
- Our manufacturer's representatives and manufacturers will be showcasing all of their latest PRODUCTS and TECHNOLOGIES
- A free BUFFET DINNER will be available on the show floor
- There will be lots of exhibitor and door PRIZES

Folks, you do NOT want to miss this show. I am sure Product Show Chairman Phill Kroll (pkroll@metrodog.com) and his committee will have something special planned for our 40th Annual Product Show! Please come out for the seminars and stay for the show. Bring your boss or another colleague to let them see what ASPE Chicago has to offer.

There is much more about the Product Show in this newsletter. So, please read on. I look forward to seeing you on April 21 at White Eagle!

Jason McDonald, President

jsm@grummanbutkus.com; 847 316.9204



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

March Meeting Recap



Previous March Technical Program: "Plumbing and Kitchen Design by Armand Iaia of Cini-Little Design"

Cini-Little is a recognized company specialized in consulting, planning, design for foodservice, laundry and solid waste/recycling around the world.

Armand discussed the Green Kitchens concept. He explained what they are and the LEED options available. He discussed heat reclamation systems and low flow pre-rinse.

<http://www.fishnick.com/equipment/sprayvalves/>

Commercial foodservice operations are not only energy-intensive, but water intensive as well. In fact, the water use of a single appliance can dwarf the water use of an entire residential household. Add the cost of water heating and sewer charges, and excess water use really costs you three times!

Pre-Rinse Spray Valves

A low-flow pre-rinse spray valve is one of the easiest and most cost effective energy saving devices available to the foodservice operator. In addition to minimizing water consumption, water heating energy and sewer charges are also reduced. Replacing a typical spray valve that flows up to three gallons of water per minute (gpm) with a low-flow unit can yield the following results:

Hours of Spray Valve Usage	Water Savings gallons/day	Waste Water Savings gallons/day	Gas Savings therms/day	Annual Dollar Savings
1 hour/day	60 gallons	60 gallons	0.5 therms	\$300 - \$350
2 hours/day	120 gallons	120 gallons	1.0 therms	\$600 - \$700
3 hours/day	180 gallons	180 gallons	1.5 therms	\$900 - \$1050

Table shows results based on spray valve water savings of 1 gallon per minute, water cost of \$2.00 per unit (748 gallons), sewer cost of 3.00 per unit (748 gallons), and gas cost of \$1.00 per therm.

The FSTC recommends a pre-rinse spray valve with a flow rate of 1.6 gallons per minute or less, and with a cleanability performance of 26 seconds per plate or less, based on the ASTM *Standard Test Method for Performance of Pre-Rinse Spray Valves*. The Federal Government has issued guidelines for its facilities when purchasing pre-rinse spray valves. These guidelines, published by the Federal Energy Management Program (FEMP) can be followed by any facility interested in energy efficiency and conservation.

The FEMP pre-rinse spray valve recommendation is [here](#).

Also see the FSTC pre-rinse spray valve calculator [here](#).

Also, he briefly reviewed the array of equipment used and will discussed a few MEP issues that can arise during the project design and construction.

Frank Sanchez, CPD; Vice President Technical

fxs@grummanbutkus.com; 847 316.9251

Reduce, reuse, recycle... Rethink.

IT IS SHOW TIME!!!
THE ASPE CHICAGO CHAPTER PRODUCT SHOW IS HERE

Exhibitors, if you have not registered or SOMEHOW managed to “misplace” your registration materials, please let us know immediately!

We understand times are tough and we hope you will all show faith and come to our Product Show. The ASPE Chicago Product Show Committee is doing everything in our power to make sure there will be lots of Engineers, Designers, Plumbers and Inspectors in attendance at this year’s event.

Registration deadline **was** March 26, 2010
(A \$50 late fee applies after that date)

If you would like to register, please contact

Phill Kroll
pkroll@metrodsn.com; 224 629 4444 x213
2011 ASPE Chicago Product Show Chairman
Metro Design Associates

After registering, please provide a digital copy of your line card to our webmaster, Jim Moynihan from Chicago Technical Sales

Mark your calendars for the,

40th ANNUAL ASPE CHICAGO CHAPTER PRODUCT
Thursday, April 21, 2011
WHITE EAGLE RESTAURANT
6839 Milwaukee Avenue, Niles, Illinois

Booth Selection Night

Date: Thursday, April 7 2011
Time: 6:00 PM - 7:00 PM
Location: Luczak Sales
1128 Tower Rd. Schaumburg, IL 60173
RSVP to: *Phill Kroll - pkroll@metrodsn.com*

This will be your last chance to make comments on the proposed Product Show Layout and to confirm power and table requirements. After this, no changes will be allowed.

Thank you,

Frank Sanchez, CPD, Vice President Technical
fxs@grummanbutkus.com; 847 316.9251

40th Annual ASPE Chicago Chapter Product Show and Technical Seminars

Thursday, April 21 2011
White Eagle Restaurant
Niles, IL
11:30 am to 3:00 pm
Free Lunch Provided with RSVP

As in previous years, IDPH Approved seminars will be monitored by a Licensed Plumber. If you need IL State Approved CEUS this is your opportunity to obtain up to 4 Hours of FREE CEUS.

ROOM 1 – IL STATE APPROVED CEUS

IDPH Application # 750-050

ILLINOIS INFRASTRUCTURE REPORT

Presented by Darren Olson, P.E President of the Illinois Section of the American Society of Civil Engineers

Seminar Hours: 11:30 am - 1:00 pm
ASPE CEUs: 1.5
IL STATE CEUs: 2.0

Darren Olson, P.E., CFM received a Bachelor of Science and Masters of Science in Civil Engineering at the University of Illinois at Urbana-Champaign. Upon graduating in 1998, Darren began working at Christopher B. Burke Engineering, Ltd. (CBBEL) as a water resources engineer and continues to work there today. In 2003, Darren received an MBA from the Northwestern University Kellogg School of Management. He is currently a Section Head in the Water Resources Department at CBBEL, which has a staff of 20 water resources engineers. Darren is currently the President of the Illinois Section of the American Society of Civil Engineers (ASCE). He is a licensed Professional Engineer in Illinois and Iowa.

The Illinois Infrastructure doesn't make the grade. Illinois Engineers Say Roads, Transit, Wastewater, Drinking Water, Navigable Waterways and Rail are Top Regional Concerns. In Illinois, the condition of our infrastructure is deteriorating. We cannot stand by and allow that to happen," said Illinois Section President Chris King, P.E., S.E. "For the safety and security of our families, we can no longer afford to ignore the congested roads, aging dams and deficient bridges we face every day." He will discuss the facts why our drinking water and wastewater both received a grade of D+, and both categories are substantially underfunded. The drinking water system requires an investment of \$21.5 billion over the next 20 years to comply with safe drinking regulations and wastewater requires an additional investment of \$13.4 billion over the next 20 years.

BACKFLOW PREVENTION IN THE CITY OF CHICAGO

Presented by John McEneaney, City of Chicago Department of Buildings Plumbing Inspector

Seminar Hours: 1:30 pm - 3:00 pm
ASPE CEUs: 1.5
IL STATE CEUs: 2.0

John McEneaney is a licensed inspector in the State of Illinois and works for the City of Chicago Department of Buildings. The Department of Buildings supports the safety and quality of life for the residents and visitors of the City of Chicago through enforcement of the Chicago Building Code. The permitting and inspection process promotes high quality design standards as well as the conservation, rehabilitation and reuse of the City's existing buildings.

This seminar will provide a review of the requirements for backflow prevention. It will have illustrations and examples of different hazards, will discuss current regulations and legislative updates. It will discuss the legalities associated with the IL State Plumbing Code and the EPA. It will be open to discussion and questions throughout the presentation.

40th Annual ASPE Chicago Chapter Product Show and Technical Seminars

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ROOM 2 – ASPE APPROVED CEUS

SOLAR HOT WATER HEATING SYSTEMS

Presented by Eric York of NTS Solar

Seminar Hours: 11:30 am - 1:00 pm
ASPE CEUs: 1.5

Specializing in green, renewable energy featuring solar thermal collectors, Eric oversees the use of this innovative vacuum for all type of commercial and residential applications. He works for NTS-Solar is located in Weymouth, Massachusetts.

NTS-Solar is an international manufacturer with extensive global affiliations in the expanding solar-thermal industry and was founded for the sole purpose of providing the solar-thermal industry with the innovative vacuum tube system. This type of vacuum tube is calibrated for maximum solar-thermal energy collection throughout the world - especially in northern latitudes not previously considered favorable for existing solar-thermal technologies.

He will explain the construction system of these vacuum tubes and will discuss the different materials used like sand, feldspar, soda, dolomite and recycled glass. Also, he will explain why this glass has a lower permeability for hydrogen and helium as compared to the more generally used borosilicate glasses. He will indicate why the low-iron, highly transparent glass can transmit the solar spectrum from Infra-Red through UVB (280nm). This vacuum tube technology is capable of heating water to 302 Fahrenheit (150° Celsius) making solar-thermal energy ideal for commercial and industrial applications.

HOT WATER RECIRCULATION SYSTEMS

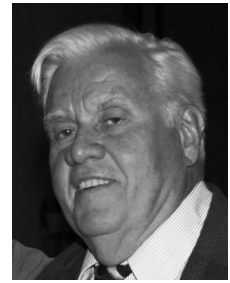
Presented by Mark Kaulas of Bornquist, Inc.

Seminar Hours: 1:30 pm – 3:00 pm
ASPE CEUs: 1.5

Mark's career spans 30 years as a manufacturer's representative. He is a graduate of the University of Illinois. Mark is an active member of the Chicago ASPE Chapter, having served on its Board of Directors, and also participating on a number of its committees including an Illinois Plumbing Code advisory panel.

During this seminar Mark will discuss hot water return systems. He will answer common questions: How well do these systems work? Are they energy efficient? There are both active and passive systems. Which kind should you design? He will provide a few examples, calculations and tips to design more efficient systems.

Number 40



As outlined below in our Chapter History, our annual Product Show has grown along with the Society and our Chapter. Along with our meetings in the 70's being downtown, the tabletop Product Shows were held at the Engineer's Club and the Lawson YMCA. Participation was always enthusiastic.

April Product Show

The product show growth has followed the Chapter membership. Starting out with minimal table top displays in the 1970's, the 2007 show had 94 display/booth spaces. The show moved in 1980 from Zum Deutschen Eck to the White Eagle banquet facility in Niles, Illinois outside of Chicago. Dick Karz was acquainted with the Przybylo family and connected the Chapter with them. The White Eagle also worked out well for the Chapter. As the show expanded, adequate space was available. Show format has included dinner being available toward the end of show hours.

In 2000, a very positive and successful element was added to the product show – technical seminars. Usually 7 or 8 hour-long technical seminars are presented just before show hours. The 2007 Product Show, for the first time, featured 12 full hours of technical seminars. CEU's are earned by the seminar attendees. Participation in the seminars has gone quite well. The product show has become a very busy, full day.

Reflecting back on 40 years of meetings and activities are many good memories.

Don Johnson, Chapter Historian

Affiliates

The Product Show is just around the corner. Please fill out your booth forms and return. The Chicago ASPE Chapter product show is one the best in our industry. Please participate. If you have any questions, please feel free to give me a call.



Thank You,

Mick Bradford, Affiliate Liaison
mick@miller-sales.com, 630-688-2635

2011 ASPE Chicago Chapter Members in Attendance

The following list of individuals attended the February 17, 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.

Donald Johnson	David Erickson
Rick Butler	Herb Hymen
Mark Mannarelli	Sergio Cano
Frank Sanchez	David DeBord
Jason McDonald	E.J. Kedzie
Tony Navarro	George Pagach
Paul Riedinger	Ken Cutler
Damon Cameron	Francisco DeHoyos
Ernest Havran	Keith Schreiner
Ed Lichner	Bryan Fonseca
Vince Roach	Jeff Steck
Dee Vargas	Armand Iaia
Darren Rich	Tony Dauginas
Andy Dailey	Keith Seier
Larry Raddatz	James Dipping
Michael Cwanek	Mike Temes
Tom Babcock	Mike Ponx
Jeff Cochran	Steve Adams
Joe Ficek	David Lehman
Bob Pikula	Jamie Diamond
Greg Nagrant	Dan Patt
Mike Imaoka	Nevo Martelli
Jim Majerowicz	Jason Herber
Mark Luczak	Michael Infanger
Greg Luczak	Ray Cruz
Shawn McAuliffe	Jill Dirksen
Mel Withrow	Mike Karnatz
Randy Fiorito	Mark Kaulas
	Bob Jackson

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!

April Events



Buildex Chicago

Trade show and conference for property and facility managers, building owners and operators, architects and designers and real estate professionals.

May 10, 10-5 PM

May 11, 10-4 PM,

The Merchandise Mart, Chicago

Register at <https://reg.neocon.com/buildex/>

Illinois Fire Prevention Association (ILFPA)

Monthly Meeting

Tuesday, April 12 at 7:00 PM, Glendale Lakes, 1550 President Street, Glendale Heights

Guest Speaker Thomas Miller, Senior Engineer at Hughes Associates Inc.

Will discuss NFPA Standard 13

Register at www.ilphcc.com

Illinois Society of Fire Protection Engineers (SFPE)

Annual Corned Beef & Cabbage Dinner

Thursday, April 21st, 5-10 PM at Berwyn VFW Hall, 1529 South Harlem Ave

Reservations must be made by April 18, limited number of tickets.

Phone 630 816 1741

Fax 630 792 4913

Refrigeration Service Engineers Society (RSES)

Meeting and Officer Elections

Tuesday, April 12th, Silver Stallion Restaurant

7:00 PM, free parking and admission, visit www.rses.net

Rooftops/AC Tune Ups, Presented by Mike Bishop from Johnson Controls.

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

Seminar & Dinner Meeting

Tuesday, April 12, Moretti's, 1645 W. Jackson, Chicago

Registration at 1:30, Seminar begins at 2:00, Dinner meeting begins at 6:00

Topics include Solar Thermal Cooling Concepts and Opportunities and Financial Incentives for Solar Cooling and Other Renewable Energy Projects.

Visit www.illinoisashrae.org or call 708 636 3604.

L. Anthony Navarro PE, Corresponding Secretary

tnavarro@lehmandesigninc.com; 312 201.9733

2010-2011 ASPE Chicago Meeting Schedule

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

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