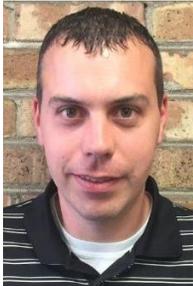


**2017 ASPE Chicago Product Show Seminars
Thursday September 21, 2017**

TIME	SEMINAR TOPIC	PRESENTER(S)	ASPE CEUs	SEMINAR # **
9:45 am-12:00 noon	Hot Water Recirculation – Revisited	Chris Wisinski, Bornquist	0.2	A01
9:45 am-10:45 am	Professional Communication and Relationships for Plumbing Engineers	Joe Ficek & Jason McDonald, Grumman/Butkus Associates	0.1	B01
11:00 am-12:00 noon	Basics of Project Management	Keith Seier, Environmental Systems Design	0.1	B02
12:00 noon-2:00 pm	PRODUCT SHOW & LUNCH BREAK	Lunch will be served	–	–
2:00 pm – 3:00 pm	Rethinking Hot Water Systems with Tankless and Hybrid Concepts	Dan Goellner, Eemax	0.1	A02
2:00 pm – 3:00 pm	Code Search and Beyond	Joe Ficek, Grumman/Butkus Associates	0.1	B03
3:15 pm – 4:15 pm	Decentralized Water Reuse	Nate Nickerson, CriticalFlow	0.1	A03
3:15 pm – 4:15 pm	What Can We Learn from Contractors?	Jason McDonald, Grumman/Butkus Associates	0.1	B04

**** "A" series seminars = intermediate; "B" series seminars = Back to the Basics/ Job Skills**



Hot Water Recirculation - Revisited

9:45 am - 12:00 noon
Chris Wisinski, Bornquist, Inc.
CEUs: 0.2 ASPE

Presenter Biography

Chris Wisinski is a Sales Engineer at Bornquist Inc., an HVAC & Plumbing representative in Chicago. He focuses primarily on plumbing products and specializes in pumping and water heating systems. He has more than 15 years of experience in the pump industry and 10 years as an ASPE member, including his current position of VP Membership for the Chicago Chapter. He works through the entire sales process, starting with sizing and designing systems and moving into quoting and selling engineered systems. Finally, he spends time on every project laying out equipment and assisting with field startup and training the contractors and owners. Chris also performs dozens of technical seminars each year for engineers, contractors, wholesalers, and end users to promote education in the industry.

Summary

Long ago we just put a small pump on the recirculation line and let it run. Lower flow rate energy efficient fixtures in retrofit buildings have shown us that our hot water recirculation systems haven't always worked as we hoped. This course goes through designs for small to large buildings, problems in the field and how to avoid them in the first place. It has examples of designs that struggle and offers solutions for all buildings. It also addresses many products on the market and pros and cons of each device and how they interact with the system.

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Professional Communication and Relationships for Plumbing Engineers

9:45 am – 10:45 am

Joe Ficek and Jason McDonald, Grumman/Butkus Associates

CEUs: 0.1 ASPE

Presenter Biographies

Joe Ficek has been a member of ASPE Chicago for more than 25 years and is a Chapter Past President. He is a CPD, GPD and an FASPE. Joe served on the City of Chicago Year 2000 Building Code Committee. He joined Grumman/Butkus Associates in 1998 where he is an Associate. His responsibilities include design and engineering of

plumbing and fire protection systems, and leading plumbing and fire protection work in commissioning projects.



Jason McDonald has been a member of ASPE Chicago Chapter for more than twenty years. He is a CPD and served two terms as ASPE Chicago Chapter President. He joined Grumman/Butkus Associates in 1996 where he is a Project Manager specializing in plumbing, fire protection and medical gas systems with a focus on healthcare. Jason also spent three years in Evansville, IN working as an Estimator and Project Manager with a mechanical contractor. In Evansville, he developed outstanding relationships with the tradespeople as well as clients and other contractors, skills that he brought back to G/BA when he returned in 2014.

Summary

In this age of text messaging and communicating via social media, even email is beginning to fade away as a means of everyday communication. Interaction with others by phone or in person is quickly becoming a thing of the past. This greatly affects business today as we are forgetting (or never learned) how to physically interact with people. We are unable to communicate effectively and thus are unable to build professional relationships that are vital to our time in the office as well as our time spent on site or with clients. Our presentation will address these issues. We will share some ideas for how to communicate more professionally and how to build those oh so important business relationships.



Basics of Project Management

11:00 am – 12:00 noon

Keith Seier, Environmental Systems Design

CEUs: 0.1 ASPE

Presenter Biography

Keith Seier has been an ASPE member for more than eighteen years. He is a Professional Engineer, CPD and ARCSA certified. Keith currently is the Operations Director for Technical Support Services at ESD. His responsibilities include risk management, governance, training and strategic planning. Keith has been with ESD for 11 years and in

the plumbing industry for over 20 years. When not in the office, you will typically find Keith on a golf course.

Summary

Whether your title is Project Manager or not, from time to time we are all responsible for some degree of project management. In this seminar, I will define the project manager role and the characteristics of a strong PM. I will also review the basics on communication, the typical project process, time management, and more.

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Rethinking Hot Water Systems with Tankless and Hybrid Concepts

2:00 pm - 3:00 pm

Dan Goellner, Eemax

CEUs: 0.1 ASPE

Presenter Biography

Dan Goellner, Sales Engineer for Eemax, a division of Rheem. Dan holds a BS in Mechanical Engineering from the University of Missouri and a Masters of Business Administration from Webster University. Dan grew up working in the family HVAC business. Dan's work history includes being a design engineer for a custom fabricator, a project manager with a residential and commercial developer, and sales engineer of piping systems.

Summary

Over the past 15 years, the Department of Energy along with various plumbing code bodies (IAPMO, ICC, etc.) have made changes affecting water heaters and hot water plumbing systems. While the overall intent of the changes has been geared to energy efficiency and water savings, there have been unintended side effects. This presentation will focus on how tankless water heating can mitigate or eliminate those side effects as well as offering concepts in plumbing design that can push energy and water conservation to their full potential. Specific project examples will be discussed in applications including basic handwashing faucets, whole locker rooms, sanitizing water for commercial laundry, and even tepid water for emergency safety showers. The presentation will also walk through an Excel based program that customers can get at no cost which calculates the size of heaters required for various applications as well as tools to calculate the heat loss and dollar cost of tank water heaters and recirculation hot water systems.



Code Search and Beyond

2:00 pm – 3:00 pm

Joe Ficek, Grumman/Butkus Associates

CEUs: 0.1 ASPE

Presenter Biography

Joe Ficek has been a member of ASPE Chicago for more than 25 years and is a Chapter Past President. He is a CPD, GPD and an FASPE. Joe served on the City of Chicago Year 2000 Building Code Committee. He joined Grumman/Butkus Associates in 1998 where he is an Associate. His responsibilities include design and engineering of plumbing and fire protection systems, and leading plumbing and fire protection work in commissioning projects.

Summary

Performing a code search is a common requirement for engineers. Most of the time, the code tells us in no uncertain terms what is required. However, sometimes we need to dig deeper into the code and even seek out other related codes to find the answer. In this presentation, I will give you a fire protection example of where the answer is not in the first place you look. We will also discuss some other fire protection oddities including ceiling height changes, soffits and cloud ceilings as well as wardrobes in hospitals. Code research applies to plumbing as well. We will look into how to navigate the tangle of Codes including Chicago, International and Illinois State Plumbing codes as well as other ancillary but important Codes such as the Elevator Code and Illinois Hospital Licensure.

**2017 ASPE Chicago Product Show Seminars
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Decentralized Water Reuse

3:15pm – 4:15pm

Nate Nickerson, CriticalFlow

CEUs: 0.1 ASPE

Presenter Biography

Nate is a hands-on engineer and inventor. Prior to his engineering degree he worked as a master automotive mechanic for cars and heavy machinery. He has brought this hands-on experience to the design and deployment of innovative and practical wastewater reuse technologies as Principal at Critical Flow and previously as Senior Engineer at Living Machines L3C. Over 15 years he has worked on water reuse and water infrastructure for a variety of clients including the US Marine Corps, The San Francisco Public Utility Commission, The Brando Resort, and over two dozen major universities. Nate leads the engineering effort and reviews fabrication and installation for GRAYWORKS projects.

Summary

- Drivers for Water Reuse
- Water Budgeting
- Water Budgeting and Modelling
- Blackwater & Graywater Regulations
 - Current Rules and Regulations for design & operation
 - Practice Guides and Changing regulatory climate
- What you need to know
 - Differences between Blackwater & Graywater
 - Basics of design & specification
 - Modular vs. Custom engineered



What Can We Learn from Contractors?

3:15pm – 4:15pm

Jason McDonald, Grumman/Butkus Associates

CEUs: 0.1 ASPE

Presenter Biography

Jason McDonald has been a member of ASPE Chicago Chapter for more than twenty years. He is a CPD and served two terms as ASPE Chicago Chapter President. He joined Grumman/Butkus Associates in 1996 where he is a Project Manager specializing in plumbing, fire protection and medical gas systems with a focus on healthcare. Jason also spent three years in Evansville, IN working as an Estimator and Project Manager with a mechanical contractor. In Evansville, he developed outstanding relationships with the tradespeople as well as clients and other contractors, skills that he brought back to G/BA when he returned in 2014.

Summary

The relationships between contractors and engineers is an important one where both can learn from each other. I spent three years working with a mechanical contractor in between stints with consulting engineering firms. How the contractors look at the specifications, how they use our plans, how they estimate and how they install can all help make us better designers and engineers. In this presentation, I will first discuss what happens with our drawings after they are issued for bid and then will share some insights on our deliverables (plans and specifications) as well as a number of design item suggestions learned from the “other side”.