

The American Society of Plumbing Engineers

NONPROFIT ORGANIZATION

CENTRAL OHIO CHAPTER www.central-ohio.aspe.org

P. O. Box 2571 Columbus, OH 43216-2571 Chapters are not authorized to speak for the Society

October 2018

President's Report

Hello to all ASPE Members and friends,

Our next Central Ohio ASPE meeting is the joint meeting with MCACO, ASHRAE, and SFPE, the evening of Oct. 9th. Hope to see you there.

Thanks to Tony Furst and the other speakers for the Steam (and Seismic, and Thermal Expansion) Seminars, they were great.

The 2018 ASPE Convention & Expo was a big success.

- The Business meetings on Saturday and Sunday each ended a couple hours earlier than scheduled.
- The Sunday evening Social event had lots of great music and food.
- The Keynote Speaker, Derreck Kayongo, had a powerful presentation about his life and helping to provide soap for under developed nations.
- The Engineered Plumbing Expo had lots of new and improved products to look at and talk about.
- Mark your calendars now for next Technical Symposium – Pittburgh, PA, Oct. 24- 27 and the next Convention - New Orleans, LA, September 11- 16.

Public comments on ASPE's siphonic roof drainage standard are being accepted ASPE/ANSI 45 (2013): Siphonic Roof Drainage has been revised, and the changes are now available for public comment until October 22. The draft and the comment form can be

(Continued on page 8)



October Combined Meeting MCACO/ASPE/ASHRAE/SFPE October 9, 2018

Plumbers & Pipefitters Local 189 Hall 1250 Kinnear Road Columbus, OH 43212

4:30 PM-5:30 PM : Code Class

5:30 PM - 6:45 PM : Table Top EXPO

6:45 PM : Dinner

\$25.00 members; \$30.00 non-members SUBJECT: Plumbing Code Update (Also

Combined Meeting)

SPEAKER: Jack Soma

State of Ohio





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VP Technical—Mark Taylor

Hi Everyone:

I hope all of you had a wonderful summer break and I wish each of you an enjoyable, safe Labor Day Weekend. I am sure each of you have earned the day off.

I am looking forward to our meeting on September 10th and the opportunity to expand our knowledge of water treatment/softening, the application candidates and the return on investment our clients can gain. Remember these presentations are for you and intended to present an opportunity to ask questions and expand your knowledge base. Please don't be bashful.

October: October will be the Joint MCACO, ASHRAE, ASPE dinner meeting. MCACO will have Jack Soma offering Plumbing Code Update

November: Zoeller Pumps will present on Sewage Ejector and Sump Pump Sizing

December: Steve Roosa with Halls Culligan will return to address High Purity Water Systems (RO and DI)

January: Matt Arehart with Air Technologies, will speak about Compressed Air System Design

February: Jeff White with BeaconMedæs will address Medical Gas Source Equipment.

March: Chuck Blythe with Environment

Mark Taylor
Vice President Technical



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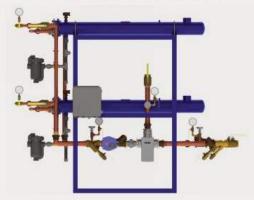
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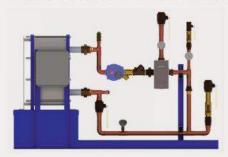


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VP Legislative—Mike Spengler

Ohio Fire Academy Offers Class – "Sprinklers: Fundamentals of Sprinklers & Standpipes"

The class will cover basic study and operation of different sprinkler and standpipe systems. It was designed for the firefighter, fire officer, fire inspector, building inspector, or plant personnel who operates, maintains or inspects sprinkler and standpipe systems. Participants will become familiar with operations and maintenance procedures of all types of automatic sprinkler and standpipe systems. Course content includes; history and evolution of the automatic sprinkler; characteristics and requirements of wet, dry, deluge and pre-action systems: and hands-on practice with the sprinkler and standpipe laboratory. The course will cover NFPA 13 & 25 as well as the Ohio Fire Code sections on testing and maintenance.

(https://ofa.com.ohio.gov/AcadisViewer/ Registration/PublicTrainingList.aspx)

Training Dates: 11/05/2018 - 11/06/2018

Prerequisites: None

Registration Dates: 11/05/2017 - 10/22/2018

Available Seats: 3 Hours: 14h 0m Fee: \$50.00 Training Location:

Ohio Fire Academy - Main Campus

8895 East Main Street Reynoldsburg, OH 43068

Reporting Instructions: Report to the main building at 9AM on the first day and 8AM every day after

Board of Building Standards Proposed Rule Changes (Residential Code)

On July 19, 2018, the board issued a notice of its intent to amend the Certification Rules and the proposed update to the Residential Code of Ohio based on the 2018 International Residential Code with Ohio amendments as summarized below. The board sought input on these amendments and conducted a stakeholder meeting on August 17, 2018. Based on the

comments received during this process, the board has modified the proposed rules. The board conducted a business regulatory impact analysis of the proposed rules and has documented its findings and summarized the changes in Business Impact Analysis (BIA) Reports.

The proposed new rules and Business Impact Analysis Reports can be found at the following link: (http://www.com.ohio.gov/ProposedRules.aspx)

Ohio Board of Building Standards Moratorium on School Storm Shelter Requirement

On June 7, 2018, the Ohio General Assembly adopted House Bill (HB) 21 effective September 28, 2018 which includes new Revised Code (R.C.) § 3781.1010 enacting a moratorium on the building code requirement for schools to have storm shelters until September 15, 2019. The 2017 Ohio Building Code (OBC) adopted by the Board last year and effective November 1, 2017 included new Section 423.4 requiring storm shelters constructed in accordance with ICC 500 in Group E occupancies. New R.C. § 3781.1010 provides:

No rule of the board of building standards for the erection, construction, repair, alteration, and maintenance of buildings adopted under section 3781.10 of the Revised Code shall require the installation of a storm shelter in any school building operated by a public or private school prior to September 15, 2019, or in any such school building undergoing or about to undergo construction, alteration, repair, or maintenance for which financing has been secured prior to that date. Any rule adopted by the board that conflicts with this section shall not be effective with respect to any school building prior to September 15, 2019.

As used in this section, 'school building,' 'public school,' and 'private school' have the same meanings as in section 3781.106 of the Revised Code.

Building departments and school districts should consider the following when evaluating how new R.C. § 3781.1010 may affect pro-

(Continued on page 8)





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posed school construction project designs and submittals:

- (1) Projects submitted before November 1, 2017: Proposed school building designs (new buildings, additions, alterations) submitted to the building department prior November 1, 2017 are subject to the requirements of the code in effect at the time of application. Therefore, OBC § 423.4 does not apply and would not be affected by HB 21.
- (2) Projects submitted between November 1, 2017 and September 28, 2018: In R.C. § 3781.1010, the General Assembly prohibited requiring storm shelters in schools until September 15, 2019. Building Officials should consult with their legal counsel regarding whether resubmittal of the project is needed for the moratorium to apply.
- (3) Projects submitted on or after September 28, 2018: The moratorium applies; therefore, a storm shelter constructed in accordance with ICC 500 is not required if the project is submitted prior to September 15, 2019. Additionally, if financing has been secured for a project prior to September 15, 2019 the moratorium applies regardless of when the project is submitted. Building Officials should consult with their legal counsel regarding what constitutes the securing of financing for the purposes of R.C. § 3781.1010.

After the expiration of the moratorium on September 15, 2019, a storm shelter constructed in accordance with ICC 500 will be required in Group E occupancies unless one of the above conditions apply, the project falls within a listed exception in OBC § 423.4, a variance is granted, or the project is for an alteration of an existing building and a storm shelter would not otherwise be required under OBC Chapter 34.

Ohio Board of Building Standards Code Classes

On January 26th, The Ohio Board of Building Standards sponsored training on the 2017 Ohio Building, Plumbing and Mechanical Code Updates. I have very helpful literature from the

classes, including a PDF of the significant changes presentation so please contact me if you would like a copy and were unable to attend the classes.

Mike Spengler

Vice President Legislative

(Continued from page 1)

found at https://aspe.org/content/aspestandards-public-review.

The 2018 CPDT exam will be held October 25 and 26 but registration closes Oct. 11

The <u>Certified Plumbing Design Technician</u> program provides professional recognition of qualified individuals who design plumbing systems and is intended as a precursor to ASPE's acclaimed Certified in Plumbing Design (CPD) credential. To learn how the CPDT credential can help accelerate your career in plumbing engineering, view our new case study here.

Save the date: 2019 CPD exam has been announced

The next Certified in Plumbing Design (CPD) exam will be held on April 4 and 5, 2019 at testing sites around the world, and registration will open on December 1. To learn more, visit aspe.org/CPDExam.

Bill Deardurff

President



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Region 2 Affiliate Liaison — Dann Holmes



Region 2 Affiliate Report

The Ideal Patient Room?

Now that summer is behind us, my travel schedule has picked up once again. The week of September 17-21 was spent attending the HITS Conference in Nashville, TN. What is HITS you ask? HITS is an acronym for Healthcare Infection Transmission Systems. HITS is also a 501c3 not-for-profit organization. Learn more by visiting www.hitsconsortium.org.

So why would I attend a healthcare infection conference? Let me explain because many of you who specialize in healthcare Plumbing and HVAC engineering WILL add this conference to your future conferences.

In healthcare, there are four pillars that contribute to the transmission of infections:

Hand-to-hand transmission Surface transmission Water transmission Air transmission

HITS is bringing experts in these disciplines together to discuss the problems each face on a day-to-day basis, get a better understanding of what the other disciplines must work through, learn what new innovations are available and engage in workgroups to find answers that will be measurable.

Although HITS is only in its second year, the conference met its goal of 180 people. Guest speakers from Australia, France, Canada, and the USA shared their knowledge and regulatory requirements with the attendees. I have never been so fortunate to interact with so many IPs (Infection Preventionists). If you are involved in healthcare water management plans, then you know how critical it is to have IPs as part of the water management team.

For us in plumbing and heating, all the talk and presentations over the past 12 years has been on the big 'L' word, Legionella pneumophila. Little has been discussed on Clostridium difficile, Pseudomonas aeruginosa, Acinetobacter baumannii, nontu-

berculous mycobacterial (NTM), etc. Trust me, there are too many to list here. These infectious diseases can be more deadly than *Legionella*.

HITS has a focus on minimizing the spread of infectious diseases to patients and staff, they also have a focus on research. A goal for the 2019 HITS Conference scheduled for Buffalo will be to establish a mock-up of "The Ideal Patient Room"! This will be a great opportunity for those of us in ASPE Region 2 to engage.

The excitement around the room was energizing when this topic was discussed. This will take the expertise of each discipline working together to overcome such things as Dry Biofilm. Yes, you read that right, dry biofilm. For us in water, we don't consider anything dry but in a patient room, these biofilms live in the fabrics of curtains, bed sheets, chairs, ceilings, floors, and walls. They are imbedded so deep that they are missed in the cleaning process and often escape disinfection.

Are you aware that cleaning and disinfection are two, completely separate operations? One without the other is futile. I will be speaking more about this to ASPE and ASHRAE in the coming weeks, months and years.

At the end of the HITS Conference, the HITS Board met and decided to nominate two people to their advisory committee. The individuals are tasked to bring industry challenges and solutions to the board for consideration. Kristen VanderElzen, MPH, CIC is an IP and Epidemiology Project Manager at the U of M Health System in Ann Arbor, and myself.

I'm looking forward to hearing what YOU, the engineer, manufacturer, or regulator has to say. Let's talk.

Dann Holmes – ASPE Region 2 Affiliate Liaison NSF International – Building Water Health Business Development Manager r2al@aspe.org or (734) 214-6222



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ASPE CENTRAL OHIO CHAPTER 2018-2019 MEETING and EVENT SCHEDULE

September 10, 2018 Water Filtration and Softening October 9, 2018 Joint ASPE/MCACO/ASHRAE/ SFPE Meeting November 12, 2018 Sewage Ejector and Sump Pump Sizing December 10, 2018 High purity Water Systems (RO & DI) January 14, 2019 Compressed Air System Design Medical Gas Source Equipment February 11, 2019 March 11, 2019 Heat Pumps for Domestic Water Heating April 8, 2019 Proper Application of Backflow Preventers May 13, 2019 **TBD** June 18, 2019 **ASPE Golf Outing**

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