

August 2020

President's Report

Hello to all ASPE Members and friends,
**The 2020 ASPE Convention & Expo is
Cancelled**

There will be an on-line business meeting on
Saturday Sept. 12.

All members should have received an email
with copies of the proposed bylaws chang-
es. Please review them and let me know if
you have an opinion.

Since the officers will be here in town, rather
than at the Convention, we will return to
Monday, Sept. 14 as our next (on-line)
meeting time.

We are planning for on-line meetings at
least from now until Christmas.

Hope you can stay busy without being crazy
-busy.

Stay safe!

Keep your "Social Distance",

Bill Deardurff

President



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COVID-19 AND ITS EFFECT ON YOUR BUILDING WATER HEALTH



Preventing the Amplification of Waterborne Pathogens in Low Occupancy Buildings in Times of National Crises

The critical actions taken to slow and prevent the spread of COVID-19 worldwide, such as physical distancing and temporary shutdowns of businesses, have resulted in an unprecedented decline in the utilization of water in commercial, education, hospitality and manufacturing facilities. While we manage the risks from COVID-19, it is critical that we also control the physical, microbiological and chemical risks associated with low- or non-operating building water systems.

TOP RISK AREAS

The top risks we see in buildings with low or no utilization during this time are:

- ➔ **Amplification of Legionella** and other waterborne pathogens due to water age
- ➔ **Leaching of lead** and other metals into water distribution systems, causing drinking water quality issues
- ➔ **Expedited corrosion of plumbing components** leading to premature pipe failure and unexpected costs for emergency repair



NOT ALL BUILDINGS ARE CREATED EQUAL

Since each building and the combination of water systems is unique, it is critical to follow site-specific procedures, so your water management strategies prevent additional public health hazards. If you have a water management plan, it should be updated to reflect risk management strategies during COVID-19 operating conditions. If a water management plan is not in place, one should be created.

Which building types are most likely at risk?



PRACTICAL STEPS FOR RISK PREVENTION

There are several practical steps that can be taken to help prevent risks from amplifying in your building:

- 1 Keep water flowing to reduce water age
- 2 Strategically monitor disinfectant residuals
- 3 Maintain routine treatment of cooling towers and other aerosol-generating water systems
- 4 Control water temperature ranges to reduce amplification of Legionella and other waterborne pathogens
- 5 Put in place water quality monitoring strategies (disinfectant residual, pH, temperature, microbiological analysis)
- 6 Keep your records updated and defensible (verification and validation)
- 7 Incorporate water safety into your business continuity plans. Prior to returning to normal service, a site-specific plan for evaluating and documenting the safety of water systems must be prepared.

TAKING ACTION

➔ Acting now will help control amplification of risks during COVID-19 operations and expedite your building returning to normal operations knowing waterborne disease and lead exposure risks have been properly managed.

For more information about how NSF's building water health experts can help you minimize the risks associated with all water systems in your buildings or facilities during these uncertain times, email us at buildingwaterhealth@nsf.org.

VP Technical—Mike Nickoson

You may have already seen that ASPE recently canceled their 2020 Convention and Expo. Since we had originally rescheduled our September meeting due to a conflict with the convention, the board has decided to move our September meeting back to the regularly scheduled day and time. The September meeting will be on Monday September 14th at noon. It will still be an online meeting and the invite will be sent shortly.

We will be kicking off the 2020/2021 ASPE year by welcoming Kevin Coyne from Concoa. Kevin has been in the gas industry for over 27 years and 17 years as a Specialty Gas Salesman/Manager for Praxair. The last 10 years Kevin has worked for Concoa as a Territory Sales Engineering covering 16 states. Concoa is the largest independent Gas equipment supplier in the US and is headquartered in Virginia Beach, VA. Kevin's main focus at Concoa is to help distributors and end users with selecting

the correct gas equipment for their applications.

Kevin's presentation will focus on modes of supply, piping design, handling and storage of Inert, flammable and oxidizing gases for laboratories.

We have speakers currently slated to round out 2020 and we're in talks with several others to speak at our meetings in the new year.

October: Josh Brodsky with Schott Glass to cover Acid Waste Pipe

November: David Tvergyak with Hubbell Water Heater to speak about Electric Tankless Heater Design Application and Pitfalls

December: Aaron Kilburg & Amanda Miller with NIBCO to discuss the basics of plumbing valves with a Commercial Valves 101 presentation.

Mike Nickoson

Vice President Technical

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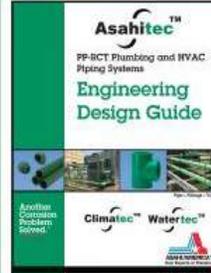


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VP Legislative—Mike Spengler

ASHRAE Introduces Updated Reopening Guide for Schools and Universities

The ASHRAE Epidemic Task Force has developed guidance on the operation of HVAC systems to help mitigate the airborne transmission of SARS-CoV-2 as schools prepare to reopen for the fall academic year.

The 41-page Presentation includes convenient checklists to prepare educational buildings to resume occupancy such as starting up HVAC systems as well as checks and verifications to maintain during the academic school year. The guidance is meant to provide practical information to school districts and university campus environmental health managers, facility managers, administrators, technicians, and service providers.

The guide includes the following topics:
Determining Building Readiness

Equipment & System Specific Checks & Verifications During the Academic Year
New/Modified Facility Design Recommendations
Filtration Upgrades
Operations of Occupied Facilities
Controlling Infection Outbreak in School Facilities
Higher Education Facilities Recommendations

Also included is guidance formulated to help designers retrofit and plan for the improvement of indoor air quality and to slow the transmission of viruses via the HVAC systems as well as new guidance on student health facilities, laboratories, athletic facilities, residence halls, and large assemblies, lectures, and theaters.

For the complete ASHRAE Epidemic Task Force school reopening guide and other COVID-19 resources, visit ashrae.org/COVID-19.

(Continued on page 6)

A GROWING FAMILY FOR A GROWING WORLD



Introducing the Ultra Force® XL

The State Ultra Force® family of commercial water heaters is now **BIGGER THAN EVER** with the addition of the new Ultra Force XL. The XL model extends the Ultra Force family's input range up to 1 million BTU/h while maintaining a compact footprint. Built to meet most critical load requirements, the Ultra Force XL delivers superior performance and the ease of installation Ultra Force water heaters are known for.



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IAPMO, AWWA to Develop Manual of Recommended Practice

The International Association of Plumbing and Mechanical Officials (IAPMO) and the American Water Works Association (AWWA) have entered into a Cooperative Development Agreement to develop a Manual of Recommended Practice to support providing safe and effective water efficiency and water quality provisions for the built environment.

Titled *Recommended Practices for the Safe Shutdown and Startup of Building Water Systems Due to Emergency*, the manual will be developed and administered by IAPMO's Codes and Standards development resources under a set of development procedures jointly established and agreed to by IAPMO and AWWA. A committee of subject matter experts appointed by IAPMO and AWWA will oversee its creation. "We're excited about the agreement to codevelop the Manual of Recommended Practice with AWWA," IAPMO CEO GP Russ Chaney said. "Both organizations are leaders in developing standards and guidelines pertaining to the safe management of water. This agreement will work to ensure that lessons learned from the horrible COVID-19 pandemic will be captured and put into practice. Considering the profound water scarcity and water quality challenges that both organizations will be confronted with in the years ahead, we suspect that this will be the first of many programs where AWWA and IAPMO will collaborate to provide solutions that work to keep water systems safe."

"Protecting the water quality in buildings impacted by emergency shutdown actions is a shared area of concern and emphasis for AWWA and IAPMO," said AWWA Senior Manager of Standards Paul J. Olson, PE. "We are pleased to be a part of this joint effort to provide expert guidance on safe practices to protect public health, which is AWWA's first core principle."

FGI to Establish Committee and Develop Guidelines for Emergency Conditions

The Facility Guidelines Institute (FGI) has received numerous requests for guidance on set-

ting up temporary facilities and adapting existing facilities in response to the COVID-19 pandemic. While not adding to the "noise" of information currently circulating, FGI has a responsibility to respond to this need by doing what it does best: establishing baseline planning and design standards for health and long-term care facilities. Therefore, FGI is convening a special committee to assemble design guidance for facilities during emergency situations caused by weather, pandemics, wildfires, and other emergency situations.

The committee will be responsible for creating a white paper with draft *Guidelines* requirements and lessons learned from past local and national emergencies such as COVID-19. This white paper will become the basis for a new *Guidelines* standard on design of facilities that can readily be adapted during emergency conditions. The goal is to have the peer-reviewed white paper available by the end of this summer and to release the supplemental *Guidelines* standard with the 2022 *Guidelines* edition in early 2022.

In the midst of the pandemic, everyone is looking for answers on how to adapt the built environment to respond to the crisis. It will take time to evaluate the efficacy of the interventions being deployed in facilities across the nation, but FGI—working with partner organizations—is committed to taking the lessons from this pandemic and applying them to a new *Guidelines* standard that will help health care organizations safely and efficiently navigate emergency or epidemic conditions that may arise in the future.

Source: [Facility Guidelines Institute](#)

Mike Spengler

Vice President Legislative

VP Education—Brad Fitzsimmons

ASPE Book of the Month

Through August 31, 2020, you can purchase the PDF version of *Fire Protection Systems III* for 35% off the regular member price. Just enter coupon code **BackToSchool** when you check out.

The fine print:

- Discount is only available for ASPE members.
- Discount can only be used on the PDF version of publications.
- If purchasing multiple items, the discount will be applied only to the assigned publication.
- The coupon code can only be used once. The coupon code cannot be used on top of the Chapter Officer discount.

Check [ASPE Pipeline](#), social media, and your inbox for news of upcoming Book of the Month discounts.

Upcoming Webinar – Central Ohio Chapter Meeting – Laboratory Gas Systems

August 31, 2020 12:00 PM (EDT)

Please reach out to the local chapter officer with further questions: mike.nickoson@aecom.com

If you need an account on aspe.org in order to participate in this webinar, your request must be submitted at least 2 hours prior to the event. Requests submitted in less than 2 hours from the start of the program may not be able to be fulfilled.

Review components of laboratory gas systems. Cover various source systems and how to select the best one for your project. Safety devices in a lab gas system. Codes and compliance that are applicable in the design and installation.

It's presented by Kevin Coyne

This chapter meeting is being held on August 31 at 12 pm EDT and it is not being recorded.

ASPE Read Learn Earn

Every month ASPE publishes a new 12-question quiz with an accompanying chapter or article from one of our publications. Each quiz is available for twelve months. Each quiz is free for ASPE Members and \$35 for nonmembers. Through this special series, ASPE can help you accumulate the CEUs required for maintaining your Certified in Plumbing Design (CPD) or Certified Plumbing Design Technician (CPDT) status or numerous regulatory-agency CE programs.

August – Vacuum Systems

Visit <https://education.aspe.org/RLE> to register

Brad Fitzsimmons

Vice President Education



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Products from these manufacturers, and others, on are display in the Showroom:

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- * Jason International: Founded by the Jacuzzi family. Manufactured in Arkansas. Experience Microsilks bathing!
- * Hansgrohe: faucets with emphasis on design and performance. Extraordinary collection for extraordinary environments
- * Thermasol: experience steam showering....Making wellness a way of life

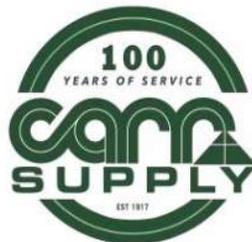
We look forward to your visit.

Showroom hours are: M-F 8-5; Sat 8-12.

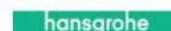
Appointments are recommended and appreciated... but you are always welcome to browse the showroom on your own.

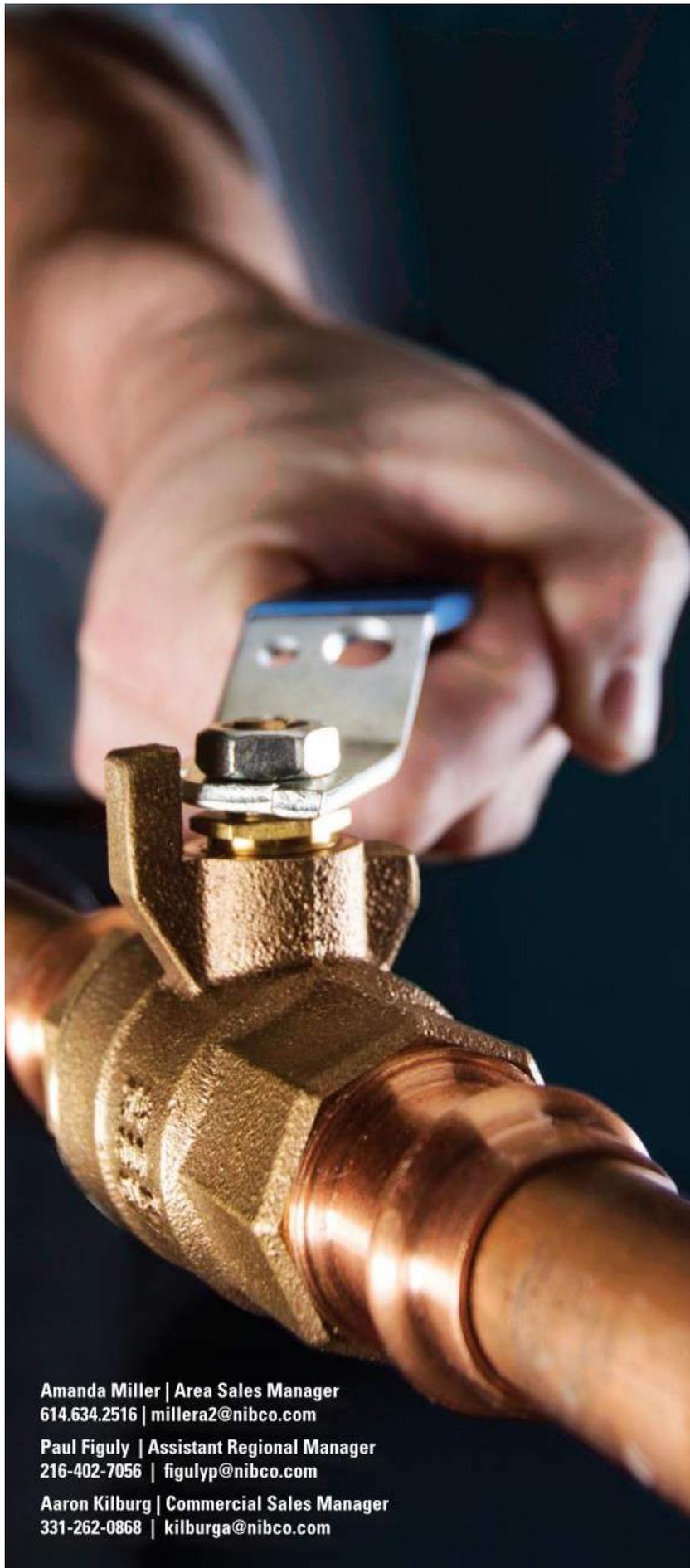
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Online
Welcome to ASPE Education

Are you looking for ways to earn CEUs and learn new skills while working from home? ASPE Education has you covered! At education.aspe.org you will be able to access our on-demand webinars, as well as our popular Read, Learn, Earn program, and earn continuing education units after successful completion of the accompanying quiz. You can take part in any of our offerings 24/7 from your home office, kitchen, patio, garage, bathroom — or anywhere else you have an Internet connection.

Our 90+ [one-hour on-demand webinars](#) offer a convenient way to learn a new skill or brush up on some design techniques. Presented by experts instructors, the webinars cover a wide range of plumbing system design specialties, including fire protection, Legionella mitigation, domestic water systems, rainwater and storm-water harvesting, piping, valves, and fittings, roof drainage, natural gas systems, LEED, solar thermal technology, and more, as well as leadership and communications skills. Each webinar offers 0.1 CEU after completion of the post-webinar quiz, and many of the webinars are [free for members of ASPE](#).

[Read, Learn, Earn](#) is a popular program that provides up to 1.2 CEUs per year. Each month a new RLE article is presented, accompanied by a 12-question quiz. If you score 90 percent or higher on the quiz, you are immediately awarded 0.1 CEU. Read, Learn, Earn is free for ASPE members and \$35 per quiz for nonmembers.

Also at ASPE Education, you can find recorded technical sessions from the [2019 ASPE Tech Symposium](#) and the [2018 ASPE Convention & Expo](#). ASPE members also can access PDF downloads of all four volumes of the *Plumbing Engineering Design Handbook*.

You can start learning and earning CEUs right now at education.aspe.org.



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ASPE CENTRAL OHIO CHAPTER 2020-2021 MEETING and EVENT SCHEDULE

September 14, 2020	Laboratory Gas Systems
October 12, 2020	Acid Waste Pipe
November 9, 2020	Electric Tankless Heater Design Applications and Pitfalls
December 14, 2020	Commercial Valves 101

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