

**Cleveland Chapter of The American Society of Plumbing Engineers
November 2019**

CHAPTER OFFICERS

President

JOHN VARGA, P.E.
Scheerer Buckley Mayfield, Inc.
Email: jvarga@sbmce.com
(330) 526-2715

V.P. Technical

DIETER HAUSMANN, P.E. CPD, LEED AP
T/E/S Engineering
Email: kdhausmann@tesengineering.com
(440) 614-0318

V.P. Legislative

MARLON WRIGHT P.E., CPD
T/E/S Engineering
Email: mwright@tesengineering.com
(440) 871-2410

V.P. Membership

FRANK MASTROIANNI JR.
Mastroianni & Associates, Inc.
Email: frankjr@mastroiannihvac.com
(440) 786-1100

Treasurer

KEVIN NOBLE, P.E., LEED AP
Scheerer Buckley Mayfield, Inc.
Email: knoble@sbmce.com
(330) 526-2714

Administrative Secretary

DAN EVANS, P.E., CPD, GPD, LEED AP BD+C
HEI Engineering Group, Inc.
Email: evans@hei-ohio.com
(330) 262-0042

Corresponding Secretary

KIM METZGER
Disney McLane & Associates
Email: kimm@disney-mclane.com
(216) 406-7974

Affiliate Liaison

KATHY KIRSCHNICK
Campbell Equipment Company
Email: kkirschnick123@gmail.com
(216) 904-6656

AYP Group Liaison

NICK TABAR, CPDT
Karpinski Engineering
Email: ntabar@karpinskieng.com
(216) 391-3700

Newsletter Editor

MICHAEL DRAB
Thorson Baker & Associates, Inc.
Email: mdrab@thorsonbaker.com
(330) 659-6688

From the President:



I would like to thank Cleveland ASHRAE for having a joint meeting with Cleveland ASPE in October on the topic; Improving Engineering Communication, presented by Karine Leblanc.

I would also like to thank Northern Ohio Chapter of ASSE & Plumbers Local 55 JATC for inviting the Cleveland ASPE Chapter to be guest speakers and plumbing design instructors for The Boy Scouts of America Plumbing Merit Badge training program. The program does a great job emphasizing the importance and the need for great plumbing trades individuals. I highly recommend this full day program that also provides hands on experience to all scouts.

Please welcome our newest member to the Cleveland Chapter; Rick Monroe with Pinnacle Sales.

The November Technical Session will be on the topic; Cross-Connection Control & Mitigating RPZ Backflow Discharge, presented by Kim Metzger with Disney-McLane.

The November 13, 2019 Lunch Meeting will be held at Harry's Steakhouse located at 5664 Old Brecksville Road, Independence, Ohio 44131.

11:30 - 11:45 Chapter Board Meeting
11:45 - 12:00 Sign-In / Meet and Greet
12:00 - 12:30 Lunch (Seminar to begin during lunch)
12:00 - 1:00 Presentation

Please RSVP by November 8, 2019 with Kevin Noble at knoble@sbmce.com. Dinner price is \$20. The price reduction for this season has been made possible because of the continued contributions by our local affiliates. Please support your local chapter by coming to these meetings.

Let us know if there are any specific topics or field trips you would like to see our chapter sponsor. We are always looking for new ideas. Remember, without membership and participation, there is no local chapter.

John A. Varga, P.E.
President, ASPE Cleveland Chapter

**2019-2020 ASPE Meeting/Plumbing Class Schedule
November 2019**

| <u>Date – Time – Place</u> | <u>Topic</u> | <u>Speaker</u> | <u>Exhibitors</u> |
|--|---|---|--------------------------|
| September 11, 2019 – 6:00 PM Cleveland Yachting Club | Clam Bake Topic – Social Event ASPE Cleveland Chapter | N/A | N/A |
| October 15, 2019 – 11:30 AM Harry's Steakhouse Cost: \$20.00 | Everyone Communicates, Few Connect This is a joint meeting with ASHRAE | Karine Leblanc US Air Conditioning Distributors ASHRAE Distinguished Lecturer | TBD |
| November 13, 2019 – 11:30 AM Harry's Steakhouse Cost: \$20.00 | Cross Connection Control & Mitigating RPZ Discharge | Kim Metzger Disney McLane & Associates | Disney McLane |
| December 11, 2019 – 11:30 AM Harry's Steakhouse Cost: \$20.00 | Fire Pump Room Layout | Greg Trombold Trombold Equipment | Trombold Equipment |
| January 8, 2020 – 11:30 AM Harry's Steakhouse Cost: \$20.00 | Greasy Waste Flow Maintenance | Will Loach – Chromalox Tim Morrissey – Midwest Spec | Midwest Spec |
| February 12, 2020 – 11:30 AM Harry's Steakhouse Cost: \$20.00 | Ohio Plumbing Codes – Ins and Outs | Lance Bergone State of Ohio Plumbing Inspector | TBD |
| March 11, 2020 – 5:30 PM Harry's Steakhouse Cost: \$20.00 | The Art Of Water: Solving Water Delivery Challenges | Jim Montgomery Technical Field Support Specialist | Elkay |
| April 8, 2020 – 5:30 PM Harry's Steakhouse Cost: \$20.00 | Legionella | Craig Boyce, President of Water Control Systems | Kemper |
| May 13, 2020 – 5:30 PM Harry's Steakhouse Cost: \$20.00 | Pumps Chapter Board Elections | Grundfos | TBD |

**2019-2020 ASPE Meeting/Plumbing Class Schedule
November 2019**

The above is the meeting/plumbing class schedule for the 2019-2020 ASPE year. Updated information will appear in subsequent newsletter issues. All meetings will be at Harry's Steakhouse, 5664 Old Brecksville Road, Independence unless otherwise indicated. The meeting/plumbing class, including dinner, is \$26.00. Reservations are required. A mini product show will be held before each meeting/plumbing class highlighting some of the materials discussed in class or products that will assist the engineer in understanding what they are designing or specifying. All plumbing classes will qualify for 0.1CEU hours and will assist in preparation for the ASPE CPD examination.

The following times will be enforced as strictly as possible.

Make your reservations a minimum of two days before the meeting/class and try to be on time.

Evening Seminars:

- Chapter Board Meeting 5:00 - 5:30 pm
- Sign-in / Meet and Greet / Vendor Product Displays 5:00 - 6:00 pm
- Dinner 6:00 - 6:30 pm
- Presentation 6:30 - 6:45 pm
- Vendor Product Displays 6:45 - 7:45 pm

Lunchtime Seminars:

- Mini Product Show 11:30 - 11:45 am
- Sign-In / Meet and Greet / Vendor Product Displays 11:45 - 12:00 pm
- Lunch 12:00 - 12:30 pm (Seminar to begin during lunch)
- Presentation 12:00 - 1:00pm



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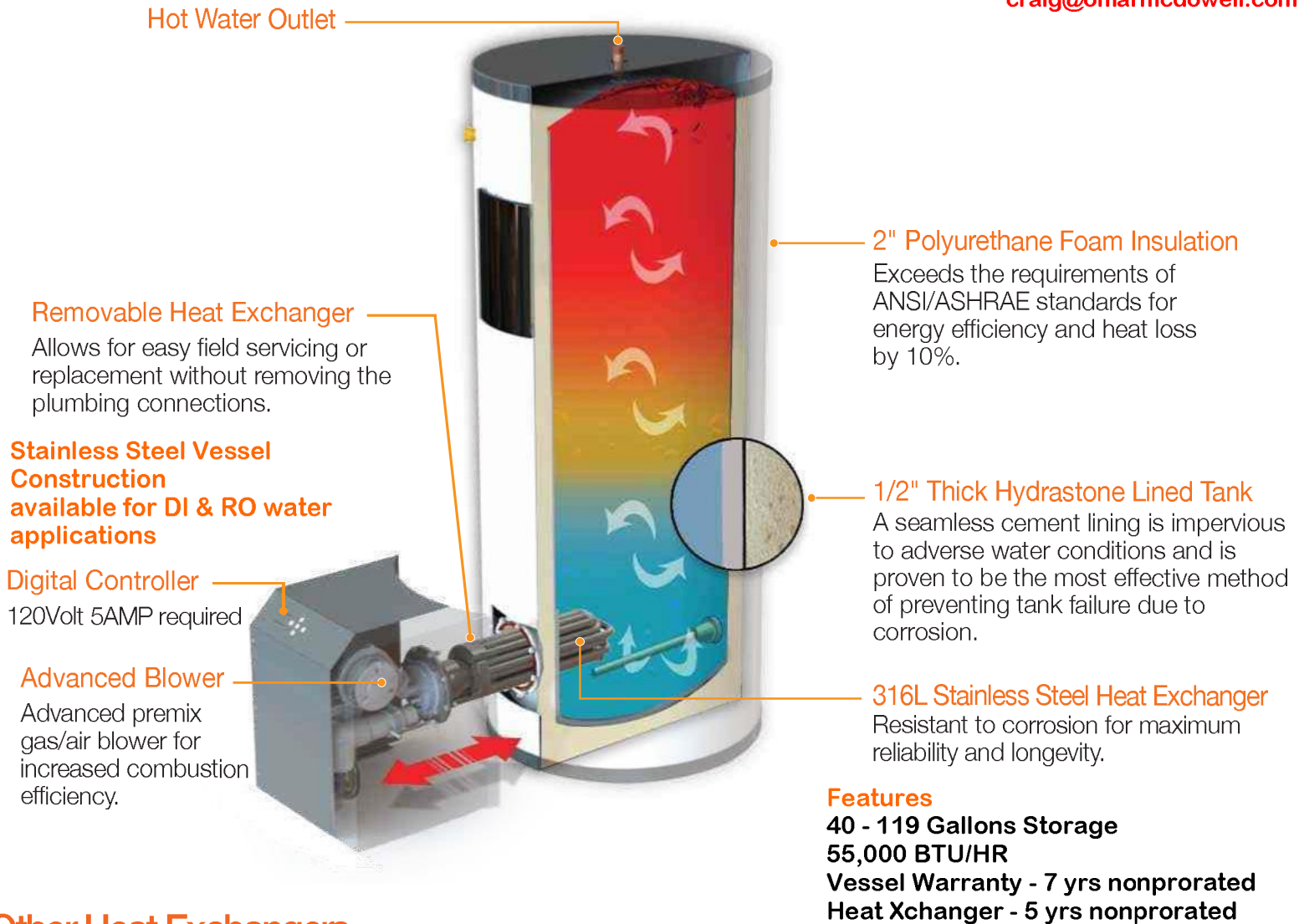
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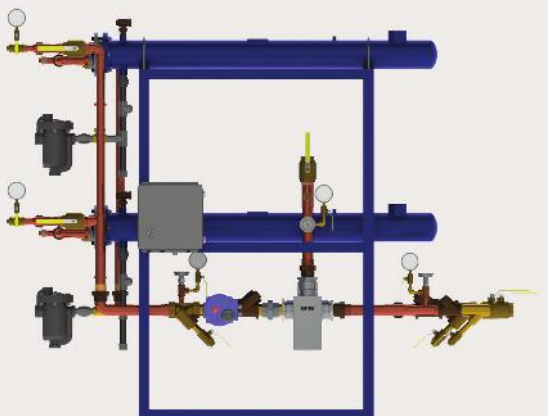
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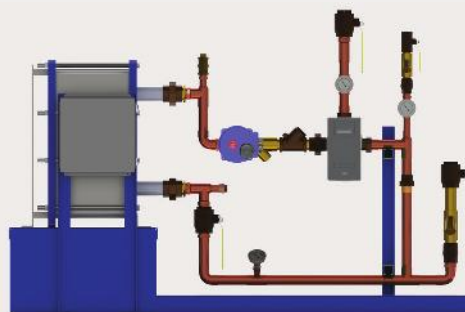
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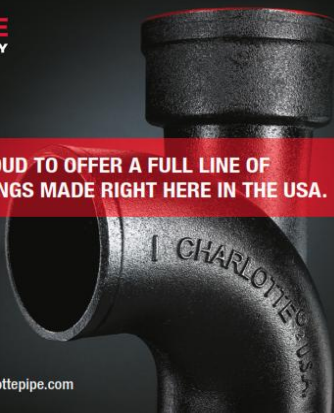
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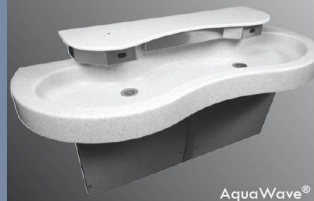
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Region 2 Affiliate Report

Where do we go from here?

For most of 2019, I have written articles on the HITS Conference in Buffalo, NY, the *Legionella* Conference in Los Angeles, CA, and of course the ASPE Technical Symposium in Pittsburgh, PA. These events all share a common theme, Waterborne Pathogens.

Note I did not write that the theme was “*Legionella*”. Don’t get me wrong, *Legionella* is a real threat. It can make people sick with a mild form of pneumonia called Pontiac Fever, or worse, kill you or a loved one if Legionnaires’ disease is contracted and not properly diagnosed, and treated in time.

Legionella is the bacteria that most of the manufacturers, engineers, and consultants involved in plumbing are concentrating on. I don’t blame them, but as professionals delivering safe, clean, potable water systems to humans, we cannot afford to make this mistake. We must do a better job. Take the “*Legionella*” blinders off and take a full 360-degree HAI (Healthcare Acquired Infection) look around you.

In early October of this year, three infants died from a *pseudomonas* outbreak in the NICU at the Geisinger Medical Center in Danville, PA. Eight other premature babies staying in the same NICU survived. There is no greater fear for a parent than to lose a child, especially an infant.

Pseudomonas bacteria is a common germ in healthcare environments. It is also extremely adaptive. Another name is Antimicrobial Resistance (AMR). Be sure to add this acronym to your vocabulary.

Carbapenem-resistant gram-negative bacteria, namely, carbapenem-resistant Enterobacteriaceae (CRE), *Acinetobacter baumannii* (CRAB) and

Pseudomonas aeruginosa (CRPsA), are an emerging cause of healthcare acquired infection that pose a significant threat to public health. The WHO published guidelines on this subject in 2017. You can download a free copy by clicking [here](#). Or, visit <https://www.who.int/infection-prevention/publications/guidelines-cre/en/>

Those that know me, know I am not an engineer, nor an infection preventionist. I don’t pretend to be one, but I can tell you the science of plumbing engineering, design, codes, installation, and maintenance of building water systems is heading in a new direction. What you know today will be the “old school” ways of doing things in the very near future. This should be exciting news for all the AYPs.

ASPE is addressing some of these issues with two groups. The **Long-Range Planning Committee** (LRPC) and the newly formed ***Legionella* Working Group** (LWG). The LWG is looking to develop a premise plumbing specific design guide for commercial buildings. There will be a healthcare related sub-group looking to do the same. As everyone knows, healthcare systems are some of the most complex plumbing systems known and require special attention. I am happy to report, our Region 2 Director, Keith Bush, CPD, CSI, GPD will chair the LRPC and will sit on the LWG too.

In addition to the design guide(s), the LWG will review conflicts in the plumbing codes, LEED and/or WELL buildings, water velocities, stagnation, water quality, filtration, ultra-filtration, disinfection and much, much more.

Buckle yourself in. The road to safer, cleaner, healthier, potable water systems just might get a little bumpy along the way. Be sure to continue to do your research, learn, seek advice, and enjoy the ride as we transition into a new Water Safety Culture.

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