

FEB. MEETING AGENDA

DATE:

TUESDAY, FEBRUARY, 14, 2020

WHERE:

Plumbing Industry Training Center
(map on back page)

4:30 PM - 5:30 PM - **DESIGN**

**Venting Part 3: MI Plumbing Code
Section 915 through 920**

**Presenters: Mike Melaragni and
Paul Baker**

5:30 - 6:00 PM - **DINNER**

Dinner, News & Announcements, Table Top
Vendor Product Presentations and Displays

6:00 - 8:00 PM - **TECHNICAL**

Heat Tracing Design and Installation

Presenter: Will Loach (Chromalox)

REGISTRATION REQUIRED

Registration link here <https://www.eventbrite.com/e/aspe-emc-february-2020-technical-program-tickets-90910033357>

SEE INSIDE COVER FOR TABLE OF CONTENTS

Cost: ASPE, ASSE, MBPA Mbrs: NC

Non-members: \$20.00 FOR CLASS

From Theresa Card, P.E., CPD, LEED AP BD+C, GGP, President of ASPE EMC



Hello from your EMC President-

Our joint meeting with ASHAE was a great success! We had just around 90 attendees and the presentations were very entertaining; who knew you could be captivated by a presentation on differential pressure control?! I hope those that attended enjoyed themselves as well.

We have been making some adjustments to our yearly program information here in the latest newsletter as well as on the website: <https://eastern-michigan.aspe.org/index-3.html>.

NASPE Races are back @ March's meeting! Our annual pinewood derby race to celebrate World plumbing Day will take place at the March meeting. If you would like to participate, see Bill Grayzar or myself to get a car kit and have fun!

Michael Pietrzak is our CPD Review Class Scholarship Winner! Michael works at PBA and will be taking the CPD this year. To help him on this great career advancement, we will be giving Michael some help to attend the CPD Review class in Atlanta at the end of February. Let's wish Michael good luck on the test and THANK YOU to all who have participated in the 50/50 raffles at meetings – it is this money that allows us to help young members like Michael! We look forward to hearing from Michael in April's newsletter.

ASPE/SMSHE Symposium – Save the Dates! April 7th and 8th ASPE EMC and SMSHE will be holding a symposium to cover healthcare related topics. The Symposium will take place at NSF in Ann Arbor and all members (and non-members) are encouraged to attend. We already have some great, reputable speakers lined up – and more are on the way. Stay tuned for more information!

DELTA renews it's WOA Sponsorship! A HUGE thank you to Delta for renewing their sponsorship of WOA. Through their generosity WOA liaisons have been able to put on local programs and charity events, the WOA board has been able to sponsor a young member to attend the national Tech Symposium and Convention each year, and it has helped fund the bi-annual Leadership Forum at Conventions.

AYP Leadership Webinars. This three-part series includes interactive learning and seeks to create confidence in the use of conflict resolution tools. Each webinar will increase your knowledge of effective ways to resolve conflict and seek opportunities within a situation.

Continued on page 2

Contents

President's Report 1
 Program 3
 In The Know 4
 AYP Event Flyer 5
 Job Board 6 - 7
 VP Technical Report 8 - 9
 VP Legislative Report 9
 Region 2 Affiliate Liaison Report 10
 NASPE Event 12 - 13
 Jan. Meeting Sponsors + Attendees. . . 20
 Photos 21 - 22
 Line Card Sponsors 28 - 29

DETROIT SYMPHONY ORCHESTRA AND MET TOUR

A Young Engineers in ASHRAE (Detroit Chapter) and ASPE Young Professionals (Eastern Michigan Chapter) joint event. Thursday, January 30, 2020 in Detroit, MI - page 5.

ASPE EMC BOARD MEETING

Tuesday, February 4, 2020: 4:30 - 6:00 PM in Berkley, MI

NASPE RACE EVENT IN MARCH

Thursday, March 12, 2020: Troy, MI - page 12-13.

ASPE / SMSHE SYMPOSIUM EVENT

April 7th & 8th, 2020 @ NSF International in Ann Arbor, MI

CPD AND CPDT EXAM AND REGISTRATION

See pg. 14 for scheduling dates.

ASPE IS ACCEPTING APPLICATIONS FOR THE ALFRED STEELE SCHOLARSHIP

Contact Stacey Kidd for more information at (847) 296-0002, or email skidd@aspe.org

President's Report (cont. from page 1)
 Theresa Card, P.E., CPD, LEED AP BD+C, GGP

Find out more: https://education.aspe.org/products/leadership-development-series-presented-by-aspe-young-professionals-ayp#tab-product_tab_content

ASPE EMC Jobs Program! If you are a company looking to hire a new employee or an engineering student looking for the next stage in your career – simply email jobs.aspe.emc@gmail.com and we will (1) post Company’s job openings in our Newsletter and (2) confidentially connect job seekers with companies looking. All information sent to jobs.aspe.emc@gmail.com is completely confidential and you will be asked for confirmation before your resume is passed on to any company. We hope this added benefit will help all involved.

Cheers,
 Theresa Card, PE, CPD, GPD
allethe@gmail.com

SAVE THE DATES!

March 12, 2020
NASPE RACE

April 7th & 8th, 2020
ASPE/SMSHE Symposium

LATEST NEW MEMBER(S)
 ~ WELCOME ~

QUINN WILLIAMSON

FEBRUARY DESIGN SESSION

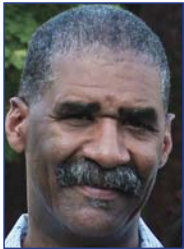
4:30-5:30 PM

TOPIC: Venting Part 3: MI Plumbing Code Section 915 through 920



Michael Melaragni

Michael Melaragni, CPD has numerous years of experience in the industry. He is a certified instructor of journey workers and apprentices and a certified training coordinator with the United Association of Plumbers and Pipefitters, a licensed Master Plumber with the State of Michigan and is the former Director of Training for Plumbers Local 98 Apprenticeship program.



Paul Baker

Paul Baker has been an instructor of apprentice and journey plumbers with Plumbers Local 98 for almost 20 years. He is a certified instructor of journey workers and apprentices and a certified training coordinator with the United Association of Plumbers and Pipefitters, a licensed Master Plumber with the State of Michigan and is the current Director of Training for Plumbers Local 98 Apprenticeship program.

FEBRUARY TECHNICAL PROGRAM

6:30-8:00 PM

TOPIC: Heat Tracing Design and Installation



Will Loach

Heat-tracing, as an inter-disciplinary product application, can be challenging for the designer and specifier. This seminar will address heat-tracing design considerations specific to this application: Self-Regulating Heating Cable Technology and Product Characteristics, Balancing Heat-Loss for Higher-Temperature Maintenance Applications, Heat-Tracing Layout Considerations for Above-Ground and Buried Applications, System Control, Monitoring, and Communication Recommendations.

Presenter: **Will Loach**, B.A.Sc. (Chromalox) is a University of Toronto graduate in Materials Science & Engineering. Currently Regional Technical Sales Manager for Chromalox's Commercial Heat-Tracing Division, he has approximately twelve years of technical sales and product-management experience in the commercial construction heating and specialty wire and cable industries in Canada and the United States.

Call for Abstracts NOW OPEN!



Joint ASPE EMC / SMSHE Healthcare Symposium		
Date: April 7-8, 2020		
Location: NSF International in Ann Arbor		
Call for Abstracts		
Topics		Speaker
Engineering out Legionella		Christoph Lohr, P.E., CPD
Medical Gas / Vacuum Systems		
Effective Water Management Plans		
Medical Devices that use Water		
Cooling Tower Systems		
Filtration Systems / Filtration Devices		
Bio-Safety Cabinets (USP 800)		
Possible Topics		
Infection Prevention and Healthcare Design		
Sterilization Process Department (SPD)		
Computational Fluid Dynamics in an OR		
FGI 2018 for Health Care		
Fire Protection Systems		
PFAS		

Contact:
 Kristin Simoneaux, P.E. CPD
ksimoneaux@Stantec.com
 or
 Dann Holmes
dholmes@nsf.org

Networking Event:
 Plumbing Engineers
 and
 Health Care Engineers
 at the
 DoubleTree by Hilton
 North Ann Arbor

IN THE KNOW

NEW CODE BOOK ORDER FORM

Please use the most current book order form from the Code Study & Development Group found in this newsletter. Contact Mr. Dann Holmes with questions at dholmes@nsf.org or (734) 214-6222

TABLE TOP SPONSORSHIP PRICING

ASPE Members

- \$200.00 for the 1st table per meeting/per vendor
- \$150.00 for each additional table per meeting/per vendor

Non-Members

- \$250.00 for the 1st table per meeting/per vendor
- \$200.00 for each additional table meeting/per vendor

If a vendor purchases table tops for 3 meetings during the year, a 4th meeting table top will be provided for free.



Don't miss the

NASPE Race!

March 2020

QUASAR™

UVC-LED WATER TREATMENT

Exclusively through OASIS

Model Code:

- PWEBQ

Features:

- **Pathogen Control:** UVC-LEDs disinfect the water when it is being dispensed, eliminating the chance of recontamination and reducing 99.99% of pathogens.
- **Pathogen Inactivation:** Effective against a wide range of water-borne pathogens, including Legionella and chlorine resistant micro-organisms such as Cryptosporidium and Giardia.
- **Chemical Free:** UVC-LEDs provide physical treatment of water without the use of harmful chemicals or altering taste.
- **Mercury Free:** Conventional UV lamps contain mercury, a hazardous material which requires special disposal. UVC-LEDs are mercury-free.
- **Freshfield:** Alcove plastic is manufactured with our exclusive silver-based antimicrobial compound to prevent degradation and deterioration caused by bacterial growth.
- **Extremely Low Power:** UVC-LEDs do not transfer heat to the treated water.
- **Constant Protection:** UVC-LEDs pulse on every 10 minutes for a short duration to keep the dispense point sanitized between dispenses.
- **Fail Safe:** Prevents water from dispensing if the QUASAR unit becomes disconnected or fails.
- **Long Life:** Will last three years or more because UVC-LEDs are only on during water dispense or standby mode constant protection.

UVC-LED Treatment right at the point-of-dispense

Represented by New Century Sales:

<p>WEST MICHIGAN Michael Zago D (248) 960-1147 x 107 C (616) 293-2121 E mikez@newcenturysales.com</p>	<p>WEST MICHIGAN Rod Cox D (248) 960-1147 x 116 C (616) 706-1481 E rodc@newcenturysales.com</p>	<p>EAST MICHIGAN Todd Hiller D (248) 960-1147 x 106 C (513) 633-2609 E toddh@newcenturysales.com</p>	<p>EAST MICHIGAN Ross Beck D (248) 960-1147 x 115 C (734) 673-2119 E rossb@newcenturysales.com</p>
--	--	---	---

www.newcenturysales.com



YOUNG ENGINEERS IN ASHRAE + ASPE YOUNG PROFESSIONALS



Detroit Symphony Orchestra MEP Tour and Concert

Thursday January 30th, 2020

5:30pm **Cocktail Hour**
Paradise Lounge at Orchestra Hall

6:00pm **Tour of Orchestra Hall**
Historical Tour w/
Mechanical and Plumbing Spaces

7:30pm **DSO Concert**
Shéhérazade (Ravel)

Sponsored by:



Get the insider's view of Orchestra Hall! Join YEA and AYP for cocktails, light refreshments, and a behind-the-scenes tour of historic architecture and modern MEP systems with DSO NextGen. Then, stick around for the concert as the DSO plays Ravel (tickets courtesy of Victaulic).

Orchestra Hall, 3711 Woodward Ave, Detroit, MI 48201

Street parking available on Parsons or Selden. DSO Garage is \$10.

Space is Limited! RSVP by Tuesday January 21st, 2020

RSVP via Detroit ASHRAE EventBrite page.

Questions to George Bellman/ASPE (gbellman@sesnet.com) or Aaron Frantz/ASHRAE (afrantz@pbanet.com)



“A Relentless Commitment to Excellence”

INSTALLATION, SERVICE & MAINTENANCE SINCE 1970

Project Manager (PM)

Job Competencies and Description

Department: Construction Department

Reports to: Vice President

Supervisory Responsibility:

This position manages field technicians and is responsible for the performance management and accountability of these employees.

Positional Overview:

The Project Manager will plan, execute and finalize projects according to strict deadlines and within budget. This includes acquiring resources and coordinating the efforts of team members and third-party contractors in order to deliver projects according to plan. The Project Manager will also define the project's objectives and oversee quality control throughout its life cycle.

Qualifications:

Required Education and Experience:

1. Associates/Bachelor's degree in a technical discipline, or business management is preferred.
2. 1-2 years of experience in managing or leading the work of others.

Preferred Education and Experience:

1. Five years relevant work experience with an architecture, engineering or construction firm required.
2. Industry Certifications

Competencies:

1. Communication Proficiency
2. Customer/Client Focus
3. Leadership
4. Organizational Skills
5. Performance Management
6. Problem Solving/Analysis
7. Technical Capacity

Additional Eligibility Qualifications:

1. Experience working independently and, in a team-oriented collaborative environment.
2. Can conform to shifting priorities, demands and timelines through analytical and problem-solving.
3. Strong interpersonal skills and communication skills to effectively interface and gain cooperation with all levels of company structure, including outside vendors and General Contractors.
4. Proficient in Microsoft Office (Word & Excel), clearly written proposals, detailed estimating templates for bids and change orders; familiar with project scheduling software.
5. Ability to effectively prioritize and execute tasks in a high-pressure environment is crucial.

Project Manager (PM) – v. 11/1/19

6250 NINETEEN MILE ROAD • STERLING HEIGHTS • MI • 48314 • OFFICE: 586.737.9900 • FAX: 586.737.9901



“A Relentless Commitment to Excellence”

INSTALLATION, SERVICE & MAINTENANCE SINCE 1970

Essential Functions:

1. Direct and manage project development from start to finish.
2. Define project scope, goals and deliverables that support business goals in collaboration with senior management and stakeholders.
3. Ensure project cut sheets, drawings, RFI's and all pre-construction documents are timely submitted.
4. Effectively communicate project expectations to team members and stakeholders in a timely fashion.
5. Estimate the resources and participants needed to achieve project goals.
6. Draft and submit budget proposals and recommend subsequent budget changes where necessary.
7. Determine and assess need for additional staff and make the appropriate recruitments as necessary.
8. Delegate tasks and responsibilities to appropriate personnel.
9. Identify and resolve issues and conflicts within the project team.
10. Plan and schedule project timelines and milestones and interpret various scheduling charts and software.
11. Track project milestones and deliverables; ensure long lead equipment is released timely.
12. Prepare status/progress reports and analyze results – troubleshoot problem areas.
13. Proactively manage changes in project scope, identify potential crises and devise contingency plans.
14. Coach, mentor, motivate and supervise project team members and contractors.
15. Build, develop and grow business relationships vital to success of the project.
16. Conduct project post-mortems and create recommendations report to identify successful and unsuccessful project elements.

Work Environment:

- This position operates in both an office and field setting. This role routinely uses standard office equipment, Microsoft Software and data management software.

Position Type and Expected Hours of Work:

1. This is a full-time (40-50 hour/week) position.
2. The Project Manager is expected to work during all normal business hours, Monday - Friday, 7:00 a.m. to 5:00 p.m., with additional on-call shifts required.
3. Occasional evening and weekend work may be required as job duties demand.

Travel:

- Project Managers are expected to travel to all jobs.

Professional Development Expectations:

- Update job knowledge by participating in educational opportunities, reading professional publications, maintaining personal networks, and participating in professional organizations.

Interested??
Email John Johnson, Vice President
[@jjohnson@macombmechanical.com](mailto:jjohnson@macombmechanical.com)

Project Manager (PM) – v. 11/1/19

6250 NINETEEN MILE ROAD • STERLING HEIGHTS • MI • 48314 • OFFICE: 586.737.9900 • FAX: 586.737.9901

VP Technical Report

Kristin Simoneaux, P.E., CPD, LEED



Hi All! Our January joint meeting with ASHRAE was a wonderful event. For those that were not able to attend, you missed out on a wonderful hosting location (The Mint), good food, and interesting presentations. The presentations covered pressure control solutions for potable water and differential pressure control for hydronic systems. Some highlights from the meeting were:

Hydraulic control valves consist of an actuator up top with valve on the bottom. System pressure and pressure within the valve is what operates the valve, no external control is required.

The main types of hydraulic control valves are:

- Pressure reducing direct acting pilot operated single or multistage
- Pressure safety valves/systems
 - o pressure relief
 - o “watchdog” or monitor valves
 - o excess pressure shutoff valves.

PRV (pressure reducing valves): reduce higher upstream pressure to a lower constant downstream pressure regardless of fluctuating pressure.

DPRV (direct acting pressure reducing valve): the force of the spring towards the opening of the valve and the force of the diaphragm towards the closure of the valve operate the valve. Close proximity can cause hydrodynamic effects to impact pressure sensing (causes pressure fall off at higher flows). These valves are less expensive and good control at lower flows. They tend to have lower Cv values than pilot operated and are available in small sizes (<1-1/2”).

Pilot operated PRV: Control pilot is used to regulate flow in and out of the control chamber. Pilot sensing lines are away from control valve seat. These valves offer better control of downstream pressure. They work well in high flow but are not available in small size. These valves have better performance than DPRV in large size (>1-1/2”).

Cv plays important role in determining size of the valve.

Use Multiple stage valves if ratio of upstream to downstream pressure is above 3:1.

Proportional PRV provides stable first stage reduction. No pilot-pressure so the pressure reduction is constant ratio. A pilot operated valve would be provided downstream for trim reducing.

Pressure safety valves/solutions:

- It is highly recommended that a designer plan to implement a pressure safety solution on PRV stations:

- o Excess pressure shutoff valve: modulate but shut off flow completely if pressure is too high. Supervisory switch sends signal to BMS.
Pro: Reliable and provide safety and signal
Cons: Shut off flow may need redundancy
- o Hydraulic backup “watchdog” valve: specialized pilot is connected to primary PRV. Pilot tube senses system pressure. Valve regulates pressure at higher setpoint if pressure setting is reached. Supervisory switch sends signal to BMS.
- o Pressure relief valve: Installed downstream of main control valve. Pilot tube sense system pressure. Valve opens to drain when pressure reaches set point. Supervisory switch sends signal to BMS.
Pro: Low cost, may be sized smaller than PVR.
Cons: Use large amounts of water during operation (a lot of waste).
- o All keep from reaching more than 15 psi higher than set point of main.

Sizing hydraulic control valves: size is based on valve operating requirements, not line size.

- Information required: maximum continuous flow, minimum flow, valve inlet pressure, valve outlet pressure.
- If sized wrong can cause cavitation, noise, premature failure, and added expense.

Pressure reducing stations:

Preassembled stations include everything needed for installation, operation, and maintenance. The systems include isolation valves, strainers, control valves, safety valves, gauges, and support frame. The systems can be sized by system criteria (outlet pressure, inlet pressure, and continuous and intermittent flow rate). The system is not sized by pipe size but sized to accommodate low flow and high flow plus redundancy.

Typically, the seals, diaphragms, and rubber components are what fail on a PRV.

Air trapped within the system can cause problems for the PRV system. Rather than having a full pipe diameter for the fluid to flow, the pipe is restricted due to the trapped air which increases fluid pressure loss and can cause cavitation and corrosion of the piping.

Air relief valves operate by if air is present at the valve, the float drops allowing the air to escape. The water level then raises the float sealing the valve. The valves are located in the high points of the system as needed to drain the system of entrapped air.

Differential pressure control:

Control valves tend to be oversized.

Static pressure at the inlet of the valve should be at least twice the pressure drop in the valve.

Continued on page 9

VP Technical Report (cont. from page 8)

Kristin Simoneaux, P.E., CPD, LEED

According to its design, each valve has a required actuation close-off force or torque that depends on tension of return spring, friction with o-rings and seals, and differential pressure applied on the plug. Each control valve/actuator combination has a certain close-off differential pressure.

To achieve good control it's recommended to fulfill two rules on authority:

- 1) Size the control valve a Cv with valve authority ≥ 0.5 .
- 2) Ensure that the min valve authority is ≥ 0.25 .

Thank you to Steven Wortmann and Bart Decker for their informative presentations. Also thank you to ASHRAE for continuing our joint meeting tradition.

For those of you that have hung with us so far in our adventures with venting and are waiting with bated breath to see how it ends, we bring you Venting Part 3! We revised our February meeting to include the exciting conclusion of Venting (Part 3). This will be followed by Heat Trace Design for the Dinner presentation. I hope to see you all February 11th at the Plumbing Training Center!

Kristin Simoneaux, P.E., CPD, LEED AP

Senior Mechanical Engineer, Stantec Architecture

ksimoneaux@stantec.com

VP Legislative Report

William Grayzar, CPD



Coming soon WPD and NASPE!

World Plumbing day is here again!

World Plumbing Day, celebrated on March 11 each year is an international event initiated by the World Plumbing Council that recognizes the important role plumbing plays in our health and safety.

World Plumbing Day brings attention to the facts stated above and encourages innovative thinking to develop new ways not only to conserve water, but to also promote technologies to change more of the world's greatest natural resource "water", into water suitable for human consumption.

Clean fresh water is a very limited resource. Of all the water that exists on Planet Earth, less than 1% of it is usable fresh water. Our bodies can only survive for 3-5 days without water. It is predicted that by the year 2030, 50% of the global population will be experiencing water shortages.

VP Technical Report (continued)

William Grayzar, CPD

Now is the time to make important choices to conserve water. Each decision we make has the potential to make a positive impact for the future of our global water supply. Here are some simple things you can do to conserve water:

1. Turn off the water when not in use, such as when brushing your teeth.
2. Throw unwanted food in the garbage instead of using the garbage disposal.
3. If not insulated, insulate your domestic hot water pipes to shorten the time required to get hot water.
4. Repair leaky fixtures and/or faucets.
5. Run washing machines and dishwashers only when full.
6. Adjust sprinklers to spray only where needed.
7. Install landscaping that requires less or no watering.
8. Install water saving appliances and fixtures in your home.

The WPD Council has created a "Practical Guide to Supporting World Plumbing Day". The guide can be accessed and downloaded for free using the website address below:

https://www.worldplumbing.org/wp-content/uploads/2019/02/WPD_PracticalGuide_190221_medium-res.pdf

Also, in March the Eastern Michigan Chapter of ASPE (EMC-ASPE) will again be holding our annual NASPE event following the Technical Program on Plumbing and Public Safety, look for the NASPE flier within this newsletter for more information. Photos below are of some of the previous event entries:



Looking forward to seeing you at the NASPE Race in March!
Have a Safe and Healthy "World Plumbing Day"!

Bill

Affiliate Liaison Report

Dann Holmes, ASPE Region 2



FISHBECK

The civil, environmental, architectural, engineering and construction management consulting firm formally known as Fishbeck, Thompson, Carr & Huber, Inc., aka FTC&H, and FTCH has a new name. After more than 60 years, the firm has made a name change to FISHBECK.

Why would I write about such a change? Because Fishbeck has been a big supporter of ASPE for many years. Currently, two of their engineers are, or have been very active with our Region and at Society.



Paula & Brianne aboard the Empress River Boat (photo D. Holmes)

Paula Leatherman, CPD is a past President (numerous times over) of the Western Michigan Chapter as well as holding the position of VP Technical. She has attended many annual Chapter President's meetings, Convention & Expo's, and Technical Symposiums. She has been a Convention delegate representing the W MI chapter for many years. She also is involved in plumbing related legislative changes proposed by or enacted in Michigan and making sure her chapter members are educated on all these changes.

Brianne Hall, P.E., CPD, GGP is the ASPE Board of Directors - Vice President, Legislative. She has served as the President of the Eastern Michigan Chapter of ASPE (2016-2018), VP Technical and AYP Liaison (2014-2016), and Education Chair since 2018. She has been a member of the National Technical and Research Committee since 2014.

Brianne is also the President & Administrative Secretary of the ASSE International Michigan Chapter. She has been on the Code Committee since 2016, the Seal Control Board since 2017, and the Professional Qualification Standards since 2019.

Brianne is also involved with the CSA Group B64 Technical Committee, Code Study and Development Group of Southeastern Michigan and the ASHRAE Detroit Chapter.

Brianne has been awarded the Patrick J. Higgins Award (2018) for outstanding contributions to the field of codes and standards, an ASPE Special Award of Appreciation (2018) and the John E. Matthews Engineer of the Year Award (2015).

What is in a name? When it comes to engineering firms like FISHBECK, it is their people and their commitment to ASPE and the discipline of plumbing engineering. Thank you, Paula, and Brianne, and thank you FISHBECK. Continued success to everyone.

ASPE BASIC PLUMBING DESIGN

The Buffalo-Niagara Chapter is hosting a two-day Basic Plumbing Design class April 30 – May 1, 2020. The training will take place at the Tewksbury Lodge, 249 Ohio St., Buffalo, NY 14204. The cost is \$400 for ASPE members; \$600 for non-members. For more information contact Gwynne Morrison, CPD, GPD at gmorrison@watts-ae.com or Joe Marohn at jmarohn@emersonswan.com.

For non-members considering this course, by joining ASPE first, your dollars will go much further and you will begin to receive ASPE Design Handbooks. Hands-down, it is a far better use of your money and access to educational material.

Dann Holmes – ASPE Region 2 Affiliate Liaison
NSF International – r2al@aspe.org



**AS AN ASPE MEMBER YOU CAN
RECEIVE THE PIPELINE
PUBLICATION - ACCESS
ARCHIVE EDITIONS AT
<http://aspe.org/Pipeline>**

KIMAX® Glass Drain and Vent Systems



- Low volatile organic compounds (VOCs)
- Will not burn or emit toxic fumes
- Maximum corrosion resistance
- Flexibility, adaptability, modularity
- Safe and simple installation
- Lowest life-cycle costs

Tro Sales Company
 3406 West 12 Mile Road
 Berkley, MI 48072
 (248) 546-5354

SCHOTT North America, Inc
 info.drainline@us.schott.com
 www.us.schott.com/drainline



EDUCATION



PUBLIC VENUES

COMMERCIAL OFFICES

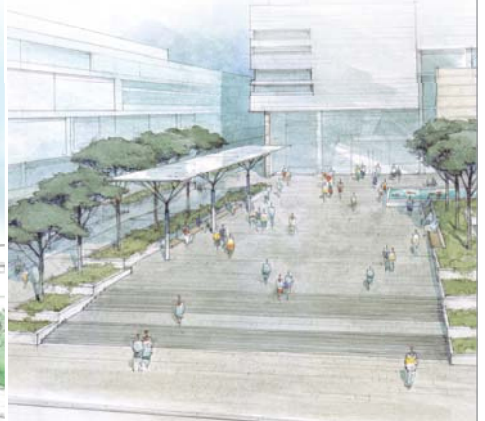
T&S IS HERE >

T&S is proud to be a trusted name across a wide range of markets — staying at the forefront of today's evolving industry and providing a vast selection of reliable solutions that meet required codes and compliances.

Learn more at tsbrass.com/markets.



HEALTHCARE



Find us in



T&S plumbing products represented in Eastern Michigan by: Diversified Spec Sales - 248-398-2400



In celebration of
World Plumbing Day
the EMC-ASPE will be
hosting the following
event at the
March 12th, 2020 meeting:



NASPE racing is a timed race similar to a Pinewood Derby Race utilized in the Cub Scouting Program around the world.

The NASPE Race is themed to celebrate **World Plumbing Day**.

World Plumbing Day is an international event held every year on March 11 and was initiated by the World Plumbing Council to celebrate the important role plumbing plays in the health and safety of modern society.

**WORLD
PLUMBING
DAY**

EMC-ASPE is encouraging chapter members to design, build and race cars in celebration of World Plumbing Day. A trophies, awards and prizes will be provided at the event. Based on the number of entries prizes will be awarded for:

- Fastest race time 1st, 2nd and 3rd place.
- Best representation for World Plumbing Day
- Best representation of a Plumbing Product.
- Best representation of a Plumbing Tool.
- Best Green Design

EMC-ASPE Board members will serve as Official Judges for the event and William Grayzar chapter V.P. Legislative will serve as the race moderator and official.

OFFICIAL RACE AND ASPE TECHNICAL MEETING:

WHEN: Thursday, March 12th, 2020.

WHERE: Plumbing Industry Training Center located at 1911 Ring Drive in Troy, Michigan

AGENDA:

- | | |
|---------------------------------|---|
| ➤ Race Registration & Weigh-In: | 4:30 P.M. till 7:00 P.M. |
| ➤ Design Class | 4:30 P.M. till 5:30 PM |
| ➤ Dinner | 5:30 P.M. till 6:00 P.M. |
| ➤ Technical Meeting | 6:00 P.M. till 8:00 P.M. |
| ➤ NASPE Race | 8:00 PM till completion (approx. 8:20 P.M.) |



CODES AND STANDARDS for NASPE Racing are as follows:



OFFICIAL RACE CAR DESIGN BUILD KIT:

1. Official Race Car Kits must be the same as those used for the Cub Scouting program pinewood derby races. Car kits will be available at the ASPE Technical meetings, or they can be obtained by contacting an ASPE board member. **The kits are free for members who commit to be in attendance at the March 2020 technical meeting.** Official car kits may also be purchased from your local scout store.
2. If you have a child, grandchild, nephew, etc. involved in Cub Scouting, please feel free to use their car for the NASPE race, provided it meets the Specification for Construction requirements. Car must still be registered and weighed-in on the night of the event to be eligible for prizes.
3. Participants may enter more than one (1) car for the event, but only the first car kit is free. Additional kits can be purchased at a cost of \$5.00 each.



CAR SPECIFICATIONS FOR CONSTRUCTION: (Also see sheet included with your official car kit).

1. WEIGHT: 5 ounces **maximum** (but can be lighter). Min. weight of 4 ounces is suggested.
2. LENGTH: 7 inches **maximum** (but can be shorter).
3. WIDTH: 2 3/4 inches **maximum**, and 1 3/4 inches **minimum** between the front wheels and the same between the rear wheels. Otherwise, your car will not fit over the track guide rail.
4. CLEARANCE: 3/8 inches **minimum** from bottom of car to track (rail) top. Otherwise, your car will not clear the track guide rail.
5. WHEELS: You must use the wheels supplied with your official car kit (or similar BSA official racing wheels available at your local scouting shop).
6. Axles do not necessarily have to be placed in the pre-drilled slots, but the axle (nails) supplied in your car kit **MUST** be utilized.
7. **NO**, bearings, moving or loose parts are allowed **ANYWHERE** on or in the car.
8. The car shall not ride on any kind or type of spring.
9. Graphite (or dry lubricant) may be added to the wheels until the car is registered and weighed-in, but not after. **No Liquid or oil base lubricants will be allowed** as they can ruin the racing surface.

REGISTRATION AND WEIGH-IN PERMITS:

1. All cars must be registered and weighed-in to be eligible to participate in the event.
2. Your official car number will be provided during registration and weigh-in period.
3. Cars will be impounded (retained) by the race staff until completion of the event at which time they will be returned to the participants.
4. If a car is not in compliance with the codes and standards outlined above it will be disqualified and will not be eligible to receive trophies and awards. However, at the discretion of the race official the car may still be allowed to race.
5. If you are unable to be present for the registration and weigh-in period, but still wish to participate, please contact the race official to make arrangements register and weigh-in car prior to March 10th, 2015.

“Good Luck and Have FUN Racing”





CERTIFIED IN PLUMBING DESIGN

CPDT - 2020 EXAM DATES:

October 5 - 11, 2020 or October 12 - 18, 2020

Registration opens: TBD

Registration closes: TBD

CPD - 2020 EXAM DATES: March 30 - April 5, 2020

Registration opened: Dec. 1, 2019

Registration closes (estimated): March 19, 2020

Go to the national [ASPE website](#) for more information

ALL-IN-ONE SCALD PROTECTION



420-T Series

Now there's no need to install a thermostatic mixing valve below the sink.

The new 420-T Series combines Chicago Faucets durability with integrated scald protection. The result is a solid, easy-to-install restroom faucet that complies with ASSE 1070 requirements. With the 420-T, everything you need to meet current building codes and protect users against scalding is built right into the faucet.

Visit chicagofaucets.com or call your local representative for more information.

Taggart-Knight Group

248/553-4388

info@taggartknight.com



Geberit Group



High Efficiency Water Heaters
High Efficiency Heating Boilers
Custom System Solutions
Storage Tanks

Heating Boilers
Hot Water Supply
Pool/Spa Heaters
Storage Tanks
Complete Parts Stock



Snowmelt Systems
Radiant Floorheat Systems



Residential Water Heaters
Commercial Water Heaters
Storage Tanks
Complete Parts Stock

Natural Gas / Propane / Electric / Oil
3,000 to 4,000,000 BTU's

- ALSO -

Aldrich Boilers / Holby Valves / Valley Water Softeners



KERR PUMP AND SUPPLY

Web Site: www.kerrpump.com
Jamie Caporosso: jamie@kerrpump.com
12880 Cloverdale, Oak Park, MI 48237
Ph.: (248) 543-3880 Fax: (248) 543-3236

Liquid Pumps
Vacuum Pumps
Heat Exchangers
Blowers
Related Equipment
and Accessories

Sales • Service • Repair



AURORA FIRE PUMPS

Compact Fire Pump Systems

- UL Listed/FM Approved Aurora Fire Pump
- UL Listed/ FM Approved Fire Pump Controller
- Capacities of 50-750 Gpm.
- Pressures of 40-160 Psi.
- Aurora Model PVM (close coupled to an ODP motor.)

Vertical Split Case Electric Drive Fire Pump

- Electric Driven
- For Commercial, Industrial and Marine use only.
- UL Listed/ FM Approved/NFPA-20 Design

Horizontal Split Case Diesel Drive Fire Pump

- Diesel and Electric driven available.
- Flows at 250 gpm to 5000 gpm.
- Pressures available up to 490 Psi.

PLEASE INQUIRE TO KERR PUMP FOR PRICING,
SELECTIONS, OR TESTING ON EXISTING.

ALSO, PLEASE SEE www.aurorapump.com



Michigan's Oldest Supplier of Pumps and Process Equipment - 1905



THE BEST OFFENSE IS A GOOD DEFENSE.

Defend against the test of time and use cast iron soil pipe. Ensure success by knowing when and where to specify cast iron soil pipe. Did you know you can earn CEU's by taking a foundry tour to see how cast iron pipe is made or attend a local lunch and learn? Contact your local technical services manager today.



LEARN MORE:
mcwaneplumbingtechservices.com



TRITON™

Introducing TRITON™, The Most Intelligent High-Efficiency Commercial Gas Water Heater In the Market



TRITON SU BASE

- LeakSense™
- 130K–400K BTU
- Up to 97% Efficiency
- Easy Retrofit Across Brands
- Health Checks
- Built-in Condensate Neutralizer
- EcoNet® Smart Monitoring Technology
- Integrated WiFi
- Scheduling Capability
- Power Anodes
- Full Modulation
- 3-Year Warranty



TRITON SS PREMIUM

Standard Features, Plus:

- LeakGuard™
- Integrated BMS Connectivity
- BACnet (MS/TP)
- Energy Usage Reports
- Water Usage Reports
- 5-Year Warranty

ELIMINATE THE EMERGENCY

LeakSense™ – Intelligent leak detection system catches leaks as small as a grain of sand and provides real time alerts that help to prevent catastrophic failure.

LeakGuard™ – All inclusive leak detection and prevention system with proprietary auto shut off valve prevents catastrophic damage and allows no more than 24 ounces of water to escape the tank in a vacuum lock.

EcoNet® Smart Monitoring Technology with Integrated WiFi – Exclusive technology provides performance updates and alerts via both mobile device and full-color LCD display.

Systematic Health Checks – Ongoing self-monitoring of Triton's most vital components detects and alerts of potential issues.

Preventive Maintenance Alerts – Preventive maintenance reminders to extend life of the tank.

EASY RETROFIT

Universal Retrofit Across Brands – Replace any brand in the market with multiple water connection points and flexible venting options.

Multiple Connection Points – Multiple water connections at the top, side and bottom of the unit simplify installation.

Variety of Flexible Venting Options Including InnoFlue® Flex Venting – Ideal for replacement and new installs with a selection of the most flexible PVC venting choices, including Polypropylene, PVC, CPVC, InnoFlue® Flex Venting and ABS materials; installed in power direct and power vent configurations and can vent 2, 3, 4 and 6 inch diameters.

Patented Built-In Condensate Neutralizer – Built-in condensate neutralizer reduces water acidity for safe drainage at no additional cost.

BUILT TO LAST FIVE YEARS LONGER

Triple Pass Heat Exchanger – Constructed with premium ASME-grade steel to minimize rust and corrosion for extended tank life and maximum thermal efficiency.

Advanced Power Anodes – Self-adjusting, non-sacrificial power anodes provide systematic monitoring of anode health and remaining life on full-color LCD unit display.

REPRESENTED BY:

New Century Sales
1715 Traditional Dr
Commerce Twp, MI 48390
Office: 248-960-1147

Todd Hiler
Cell: 513-633-2609
toddh@newcenturysales.com



Rheem.com/Triton



[calQlate Your Potential Energy Savings]

Booster system sizing can be difficult. That's why there's calQflo.

QuantumFlo's advanced innovation makes us the premier industrial manufacturing and distribution leader of intelligent pump system technology.

We offer the industry's revolutionary online booster system sizing software, calQflo, that selects the most efficient booster option for your needs—so that your system keeps pumping long into the future! With calQflo, you can:

- Compute the most **size-appropriate** system for your projects.
- **Save money** by selecting **energy-efficient** specs.
- Gain all of this information for **free!**



Get 20-50% Potential Energy Savings from Standard Sizing



Quality Water & Air, Inc.

Quality Water & Air, Inc.
 1402 Souter
 Troy, MI 48083
 Phone: 248-589-8010
 Email: qualitywaterair@cs.com
 Website: www.qualitywaterair.com
 Contact: Georgann - Chuck - Paul




















Every Panel Meets UL508A with a 100KAIC (SCCR) Withstand Rating

NEW CENTURY SALES, INC.

MANUFACTURERS REPRESENTATIVES

MB&A
MEEK | BECK & ASSOCIATES INC.

 www.americanstandard-us.com (Kitchen & Bathroom)	 www.amtrol.com (Expansion Tanks)	 www.anaheimmfg.com (Garbage Disposals)	 www.bascoshowerdoor.com (Shower Doors)
 www.bradleycorp.com (Washroom Solutions)	 www.caleffi.com (Hydronic Accessories)	 www.fiatproducts.com (Shower Floors)	 www.grohe.com/us (Faucets)
 www.femyers.com (Water and Waste Pumps)	 www.femyers.com (Water and Waste Pumps)	 www.oasisbath.com (Fiberglass & Acrylic Tub & Showers)	 www.oasiscoolers.com Water Filtration Coolers
  www.oatey.com (Cherne, Dbn Brass, Harvey & Hercules)	 https://na.panasonic.com/us/home-living-solutions/ventilation-indoor-air-quality/ (Bath Fans)	 www.rehau.com/us-en (PEX Plumbing Products)	 www.rheem.com (Water Heaters)



Represented by New Century Sales:

<p>WEST MICHIGAN Michael Zago C (616) 293-2121 E mikez@newcenturysales.com</p>	<p>WEST MICHIGAN Rod Cox C (616) 706-1481 E rodc@newcenturysales.com</p>	<p>EAST MICHIGAN Todd Hiler C (513) 633-2609 E toddh@newcenturysales.com</p>	<p>EAST MICHIGAN Ross Beck C (734) 673-2119 E rossb@newcenturysales.com</p>
--	--	--	---

www.newcenturysales.com

JAN. MEETING STATS

THANK YOU TO OUR SPONSORS AND ATTENDEES!

SPONSORED BY

Victaulic

ATTENDEES

George Bellman

Theresa Card

Mark Ceo

Alfred Culbreath

Alan Deal

Zvonko Dimitrieski

William Grayzar

Brianne Hall

Pamela Hartsell

Jay Hults

Steve Janssen

John Johnson

Mary Jordan

Colin Kidd

Hank Koppelo

Pete Lapham

Gayatri Lekshminarayanan

John Linton

Mitch Long

Jason Loverich

Houssein Madi

Fabri Pesce

Brenda Pesmark

Gerald Potapa

Manar Saied

Kristin Simoneaux

Ron Sykes

Kyle Tevault

Quinn Williamson

Cynthia Zatto

If you are interested in table top sponsorship,
please contact Kristin Simoneaux at: ksimoneaux@stantec.com
or call (248) 336-4760

JANUARY PHOTOS



Joint ASPE / ASHRAE presentation and dinner meeting at the Mint with topics on Pressure Control Solutions for Potable Water (ASPE focused) with presenter: Steven Wortmann (Victaulic) and Hydronic College Key 2: Differential Pressure Control (ASHRAE focused) Presenter: Bart Decker (Tour and Andersson)



JANUARY PHOTOS



Presenter Bart Decker receives Certificate of Appreciation from ASPE EMC President Theresa Card.



Cindy Zatto

V.E. SALES COMPANY, INC.

For additional information on Aquatherm, Highland Tank, MIRO and Bonomi products, please call Cindy Zatto with V. E. Sales, Inc. at 810.343.2713 or email cindyz@vesalesinc.com



BONOMI
SINCE 1901

Put more than a century of excellence in valve design and production to work for your company

More than 100 years ago, the Bonomi family began designing and manufacturing valves in Italy with the same passion for excellence as the winemakers that were our first customers.

Today, our low-torque ball valves, in sizes 1/4" to 56", and precision electric and pneumatic actuators are still made in Italy in our own advanced production facilities. And though our single-part number valve and actuator packages make valve automation more simple than ever, our engineering support is available world wide.

Call Bonomi. We'll put our history of flow-control excellence to work for your future.

www.bonominorthamerica.com • (704) 412-9031



Stop Battling Volatile Prices and Corrosion

Pricing for steel mechanical piping systems is rising significantly. Lightweight, stably priced Aquatherm polypropylene-random (PP-R) piping is connected by quick, reliable heat fusion. Plus, PP-R doesn't rust, scale, or corrode and it has a 60-year projected lifespan and many other benefits.

aquatherm
we've got a pipe for that

Learn more at aquatherm.com

PROBLEM:

RPZ inside a building
= flood damage
= design engineer liability

SOLUTION:

Install the RPZ inside a freeze protected enclosure located outside the building.

Want to learn more?
Visit the engineering blog pages at www.safe-t-cover.com/blog

SAFE-T-COVER
BY HYDROCOWL

safe-t-cover.com 800-245-6333

PROUDLY MADE IN THE USA
WWW.MIROIND.COM

THE SIMPLE, SMART SOLUTION TO ROOFTOP SUPPORTS

- ✓ Industry-leading 20 year warranty
- ✓ Designed to protect roof membrane by keeping PSI below 2.0
- ✓ Supports come pre-assembled and ready to install
- ✓ Supports available for duct, pipe, mechanical units, and more, as well as stair crossovers, ramps, and service platforms
- ✓ Professional assistance through the process, from take-off to final installation

MIRO
INDUSTRIES, INC.
ROOFTOP SUPPORT PRODUCTS

HOW CAN WE SUPPORT YOU?

INTRODUCING THE FREEZELESS UNDERCOVER WALL HYDRANT™



- Model 68 freezeless wall hydrant protected by an integral cover
- Drains automatically—even with hose attached
- Replaceable 16 gauge stainless steel cover flips down for easy access
- Tee key prevents unauthorized use
- Sleek, streamlined, low profile design

WOODFORD



WOODFORD MANUFACTURING COMPANY

Excellence. *Always.*

800.621.6032 • www.woodfordmfg.com

Represented by Burke Agency, Inc. • 248.669.2800

Woodford Model 68



Plumbing Engineer

THE OFFICIAL PUBLICATION OF ASPE

American Society of
Plumbing Engineers™

Viega System Solutions

Multiple materials, many solutions
One provider



For more information, contact:

Carl Petitt, Jr.
Technical Manager - Great Lakes
carl.petitt@viega.us
(614) 852-2691

Michael Norgan
District Sales Manager
michael.norgan@viega.us
(989) 415-2431



www.viega.us

ASPE Mentoring Program

The Women of ASPE are excited to introduce ASPE's new Mentoring Program!

This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals.

Who Is a Mentor?

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an "open door" to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

Benefits to the mentor:

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

Who Is a Mentee?

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

Benefits to the mentee:

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths

aspe.org/aspe-mentoring-program



Code Study and Development Group of Southeastern Michigan

Item No.	Description	Price Each*	Order Date	
3200S15MI	2015 MI Plumbing Code	\$ 82.50		
3300S15MI	2015 MI Mechanical Code	\$ 82.50	PO Number	
3000S15MI	2015 MI Building Code	\$ 139.00	(If required)	
3100S15MI	2015 MI Residential Code	\$ 126.00		
3550S15MI	2015 MI Rehab for Existing Buildings	\$ 90.00		
3800S15MI	2015 MI Energy Code	\$ 48.00		
3210S15	2015 IPC with Commentary	\$ 104.50		
3310S15	2015 IMC with Commentary	\$ 104.50		
3600S15	2015 International Fuel Gas Code	\$ 82.50		
3610S15	2015 IFGC with Commentary	\$ 104.50		
3000S18	2018 International Building Code	\$ 130.00		
3200S18	2018 International Plumbing Code	\$ 82.50		
3300S18	2018 International Mechanical Code	\$ 82.50		
3600S18	2018 IFGC without Commentary	\$ 82.50		
3210S18	2018 IPC with Commentary	\$ 104.50		
3310S18	2018 IMC with Commentary	\$ 104.50		

- **Payment MUST accompany order / verify your preferred delivery method**
- **Credit cards, cash or company check accepted.**
- Dann Holmes - dholmes@nsf.org or (734) 214-6222
- If orders are to be mailed, call Dann and you will be advised of additional freight charges.

• **Make check payable to: Code Study & Development Group of SE Michigan**

Mailing Address: **Will be given upon placement of order**

Item No.	Description	Quantity	Unit Price	Item Total	Status
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
Total books subject to incoming ICC Frgt charges		0			

Client Information		Order Details	
Company		Sub-Total	\$ -
Address	Add \$4 per book <small>(Outgoing Frgt Charge)</small>	ICC Frgt	\$ -
City		USPS Frgt	\$ -
State		MI Sales Tax	\$ -
Zip-Code		Invoice Total	\$ -
Contact Information			
Attention		Received By: _____	
E-Mail			
Phone			

Check No. _____ or Cash _____ Date Paid _____
 Credit Card Approval No. _____

***Supersedes all pricing forms printed before November 04, 2019**

2019 Code Book Order Form

BALFREY & JOHNSTON, INC.

Manufacturers' Representatives
13050 Northend
Oak Park, MI 48237
Ph 313 864-2800 Fax 313 864-7219
George D. Johnston: george@balfrey-johnston.com
balfrey-johnston.com

KERR PUMP AND SUPPLY

Manufacturers' Representatives
12880 Cloverdale
Oak Park, MI 48237
Ph 248 543-3880 Fax 248 543-3236
Jamie Caporosso: jamie@kerrpump.com
kerrpump.com

BURKE AGENCY, INC.

Manufacturers' Representatives
2605 E. Oakley Park Road, Suite A,
Commerce Twp, MI 48390
Ph 248 669-2800 Fax 248 669-3310
Brian Burke, Peter Lapham, John Taylor
bburke@burkeagency.com
burkeagency.com

LOCHINVAR

High Efficiency Water Heaters and Boilers
45900 Port Street
Plymouth, MI 48170
Ph 734 454-4480 Fax 734 454-1790
Jason Loverich: jloverich@lochinvar.com
lochinvar.com

DALE PRENTICE COMPANY

Manufacturers' Representatives &
Application Engineering Solutions Provider
26511 Harding Avenue
Oak Park, MI 48237
Ph 800 536-4700 Fax 248 339-5559
Michael Cullen: mcullen@prenticeco.com
Mobile 248 302-5924
prenticeco.com

MAJOR/LOZUAWAY & ASSOCIATES, INC.

Manufacturers' Representatives
1117 W. Grand Blanc Rd.
Grand Blanc, MI 48439
Ph 810 234-1635 Fax 810 234-8389
Mike Ostrowski: moski@lozuaway.com
Mobile 810 287-6983

DAVE WATSON ASSOCIATES, INC.

Manufacturers' Representatives
1325 W. Beecher St.
Adrian, MI 49221
Ph 517 263-8988 Fax 517 263-2328
Rick Johnston: rjohnston@davewatson.biz
davewatson.biz

MEEK/BECK & ASSOC., INC.

Manufacturers' Representatives
11875 Belden Court
Livonia, MI 48150
Ph 734 458-2950 Fax 734 458-2953
Ross Beck: rossb@newcenturysales.com
meekbeck.com

**DIVERSIFIED SPEC. SALES, INC./
HOWLEY AGENCY SALES CO.**

Manufacturers' Representative
13261 Northend Ave.
Oak Park, MI 48237-3265
Michael J. Burdette: mburdette@dsshowley.com
Ph 248 398-2400 Fax 248 547-4905
diversifiedspec.com

NEW CENTURY SALES, INC.

Manufacturers' Representatives
1715 Traditional Dr.
Commerce Township, MI 48390
Ph 248 960-1147
Todd Hiler: toddh@newcenturysales.com
Mobile 513 633-2609
newcenturysales.com

HS/BUY VAN ASSOCIATES, INC.

Manufacturers' Representatives
56 S. Squirrel
Auburn Hills, MI 48326
Jarrett Armstrong, Bill Allen
Ph 888 472-8982 Fax 248 852-0298
info@hsbuyvan.com
hsbuyvan.com

PAULA. BAKER

ASSE Region #4 Director - Mid West
ASSE International
18927 Hickory Creek Drive, Suite 220
Mokena, IL 60448
Ph 313 399-3072 Fax 248 585-1437
Paul Baker: paul.baker@ualocal98jatc.org
www.asse-plumbing.org

PERFORMANCE ENGINEERING GROUP

Engineered Water Products
32955 Industrial Rd.
Livonia, MI 48150
Alan Deal: adeal@performanceengineering.com
Ph 734 266-5300 Fax 734 266-5310
performanceengineering.com

QUALITY WATER & AIR, INC.

Manufacturers' Representative
1402 Souter
Troy, MI 48083
Georgann Kummer, WBE
Ph 248 589-8010 Fax 248 589-8016
qualitywaterair@cs.com
qualitywaterair.com

PLUMB-TECH DESIGN & CONSULTING SERVICES

Plumbing-Piping-Fire Protection & HVAC System Design
Code & Standard Consulting-Investigations of system failures
3D CAD, BIM, Revit, Navisworks-Training Seminars-Tech. Reports
303 N. Monroe St., Monroe, MI 48162
Ron George, CPD, President: ron@plumb-techllc.com
Ph 734 322-0225 Mobile 734 755-1908
Plumb-TechLLC.com

R.L. DEPPMANN COMPANY

Manufacturers' Representatives
46575 Magellan Drive
Novi, MI 48377
Gerry Potapa Jr., CPD, Paul Prentice, LEED AP®
Mark Fine, LEED AP®, Chris Lieder
Ph 800 589-6120 Fax 248 354-3763
sales@deppmann.com
deppmann.com

PROGRESSIVE MARKETING & SALES INC.

Manufacturers' Representatives
7450 Hessler Dr. Rockford Mi 49341
Dave Andrus 616-916-4140 andrus.progressive@gmail.com
Matt Johnson 517-614-1448 mjohnson.progressive@gmail.com
Doug Shaffer 248-648-0187 shaffer.progressive@gmail.com
progressivemarketingandsales.com

TAGGART-KNIGHT GROUP

Manufacturers' Representatives
37686 Enterprise Ct.
Farmington Hills, MI 48331
Gary O. Taggart
Ph 248 553-4388 Fax 248 553-4653
info@taggartco.com
taggartknight.com

PROGRESSIVE PLUMBING SUPPLY

Manufacturers' Representatives
31239 Mound Road
Warren, MI 48092
Ph 586 756-8662 Fax 586 756-9077
ppsupplyco.com

V. E. SALES COMPANY

V. E. Sales is your source for
the finest quality flow control solutions.
25200 Jefferson Ave.
St. Clair Shores, MI 48081
Thomas Van Egmond
Ph 586 774-7760 Fax 586 774-1490
vesalesinc.com

Expand
YOUR COMPANY
Place your ad here.

Meeting Location Map: Plumbing Training Center

1911 Ring Dr, Troy, MI 48083



2019-2020 ASPE EMC Board

President

Theresa Card, P.E., CPD, LEED AP
BD+C, GPD
Strategic Energy Solutions
4000 West 11 Mile Rd
Berkley, MI 48072
248.399.1900 ext 223
allethe@gmail.com

VP Technical

Kristin Simoneaux, P.E., CPD,
LEED AP
2338 Coolidge Hwy. #100
Berkley, MI 48072
(248) 336-4700
kristin.simoneaux@stantec.com

VP Legislative

William Grayzar, CPD
28150 Greenfield Rd.
Southfield, MI 48076
(248)569-1430 ext.333
bill@dsonline.com

VP Membership

Frank Tistle, CWS
Pentair
248.496.7553 Cell
frank.tistle@pentair.com

VP Education

Brianne Hall, P.E., CPD, LEED
AP BD+C, GGP
FTC&H
39500 Mac Kenzie Dr. Suite 100
Novi, MI 48377
(248) 324-4780
bnhall@ftch.com

Treasurer

Pam Hartsell, CPD
Strategic Energy Solutions
4000 W. Eleven Mile Rd.
Berkley, MI 48072
(248) 399-1900 x 222
Fax: 399-1901
p_hartsell@yahoo.com

Administrative Secretary

Hank Koppelo, CPD
Macomb Mechanical
6250 Nineteen Mile Road
Sterling Heights, MI 48314
(586)737-9900
hkoppelo@macombmech.com

Corresponding Secretary

George Johnston II
13050 Northend Ave
Oak Park, MI 48237
(313) 864-2800 Fax: 864-7219
george2@balfrey-johnston.com

Chaper Affiliate/Liaison

Dann Holmes
NSF International
789 N. Dixboro Rd
Ann Arbor, MI 48105
(734) 214-6222
r2al@aspe.org

AYP Liaison

George Bellman
Strategic Energy Solutions
4000 W. Eleven Mile Rd.
Berkley, MI 48072
(248) 399-1900 x222
Gbellman72@gmail.com

Board Members

Mark Lamberson, CPD
81190 Church Street,
Memphis MI 48041-5401
(810) 392-5010
Mark.lamberson@limbachinc.com

Michael Melaragni, CPD
38958 Lapham Drive | Livonia, MI
48154-1014
(734) 591-9339
mjmelaragni@yahoo.com

Amanda Belcher, LEED GA
Strategic Energy Solutions
4000 W. Eleven Mile Rd.
Berkley, MI 48072
(248) 399-1900 Fax 399-1901
amandab@sesnet.com

Kari Rosteck
(313) 318-6555
kari.rosteck@gmail.com

John Nussbaum, IPP, FASSE, FASPE



Advertising Opportunity Information

ASPE EMC News is published 9 times per year (September through May, plus one summer issue if feasible). Yearly advertising rates are \$200.00 per ad for members and \$250.00 for non-members. One time digital full page insert advertisements are \$250.00 for one issue, quarter page (9 issues) \$250.00 - half page (9 issues) and full page (9 issues) \$550.00. Please call Pam Hartsell at (248) 399-1900 x 222 for any questions regarding pricing of ads. Checks should be made payable to ASPE E. Mich. Chapter and mailed to the attention of Pam Hartsell, CPD at Strategic Energy Solution, 4000 W. Eleven Mile Rd. Berkley, MI 48072 . Circulation 400 - Distributed to: Engineers, Contractors, Inspectors, and other industry professionals in Michigan. For contributing articles and all digital artwork email to: Theresa Green, Newsletter Editor at: theresa.m.green@outlook.com

Table Top Sponsorship Information

ASPE Members

- \$200.00 for the 1st table per meeting/per vendor
- \$150.00 for each additional table per meeting/per vendor

Non-Members

- \$250.00 for the 1st table per meeting/per vendor
- \$200.00 for each additional table meeting/per vendor

If a vendor purchases table tops for 3 meetings during the year, a 4th meeting table top will be provided for free.

PAY FAST, PAY EASY
Secure Payments Accepted By

