

November 2004



**Eastern Michigan Chapter**

[www.aspeemc.org](http://www.aspeemc.org)

**Plumbing Design Class**

**Date:** Tuesday, Nov. 16, 2004

**Time:** 5:30 - 9:00 PM - Dinner and Plumbing Design Class

**Cost:** Members ASPE, ASSE: No Charge  
Non-members: \$15.00

**Location:**  
PMC Center  
14801 W. 8 Mile Rd.

**Topic:** Piping Expansion and Seismic Control

**Speaker:** Dan Walsh from Anvil Corp.

**Sponsors:** Anvil Corp.  
Nibco  
TRO Sales

***Please confirm your attendance through the web site at [aspeemc.org](http://aspeemc.org)***

**PRESIDENT'S REPORT**

**Esteban Cabello, PE, CIPE  
President**



The Cleveland Convention was a great learning experience for all who attended. I was one of four Eastern Michigan delegates (Ron George, Wes Patton, and Bill Grayzar) that were required to attend the business portion of the convention. The business portion of the convention was well attended with 239 delegates (out of 269) present.

I am happy to announce that our chapter won the Award of Merit for 2003/4 for outstanding accomplishment in all areas of society activity. We were also involved in voting in our new Society Board of Directors, voting on numerous by-law changes, and commenting on society committee reports.

The next convention will be held in October of 2006 in Tampa. I would like to acknowledge John Nussbaum for also attending many ASPE business functions at the convention and for scouting future speakers for our meetings.

On the subject of speakers our next speaker will discuss pipe supports and expansion as it relates to plumbing, I encourage you to attend. Thanksgiving is fast approaching so I would like to thank all of you for making this chapter the best chapter in our Region!

Your President,

*Esteban*

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**American Society  
of  
Plumbing Engineers  
Eastern Michigan Chapter  
2004-05 Technical Classes**

*Held monthly at the  
(except where noted)  
PMC of Detroit  
14801 West 8 Mile Road  
Detroit, MI 48235*

September 14, 2004  
Plumbing Law Suits

October 19, 2004  
Gas Piping Design

***November 16, 2004  
Piping Expansion and Seismic Control***

December 14, 2004  
Single Stack Drainage Design

January 25, 2005  
Software For Plumbing Design

February 15, 2005  
Plumbing Specialities (trap primer, water arrestor)

March 22, 2005  
Replacement Standards For ASSE 1016 & 1017

April 26, 2005  
Medical Gases

May 24, 2005  
To be announced

Saturday Classes  
April 2nd - Legislative Seminar  
Michigan Plumbing Code Review Seminar  
April 16th - Education Seminar  
New Concepts in Hydronic Heating Seminar

*Mark your  
calendars for  
December 14  
for  
Single Stack  
Drainage Design*



***December***



Sun	Mon	Tue	Wed	Thu	Fri	Sat
			<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>
<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	

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## Professor Plumber sez...

**Bill Grayzar, CPD  
VP Education**

November is here already and the ASPE Convention 2004 has come and gone. The Eastern Michigan Chapter was represented by four delegates (Esteban Cabello, Ron George, Wes Patton and myself) and an alternate delegate (John Nussbaum) who, I think, all had a great time.

At the ASPE Business meeting we voted on updates to ASPE's Bylaws. The biggest update was the implementation of a mail ballot as an alternative mechanism for the smooth continuation of Society Business in the event of a catastrophe or other unforeseen event that would affect the ability of the Society to hold a convention. Other updates included the renaming of the ASPE Data Book to the Plumbing Engineering Design Handbook and the implementation of the CPD Certification and Recertification Committee. This new Committee will be responsible for overseeing all activities and events related to the Society's Certified in Plumbing Design (CPD) program and designation. Hopefully this will begin to get ASPE some recognition for the CPD program.

Also, offered at the convention were numerous training courses. I attended six courses: Fire Pump Installation and Recent Changes to NFPA 20 Fire Pump Standard, Water Reuse Systems for Green Buildings, Introduction to Hydraulic Calculations for Fire Sprinkler Systems, Siphonic Roof Drainage Design, Safe Venting for Gas Fired Water Heaters, and Future Sustainable/Green Building Plumbing Technology (part #1). Look for more information on these in upcoming newsletters.

I also want to thank all of the manufactures and sales representatives for taking such a big part in the Convention and making it a success. This year there were more vendors than ever on the Convention Exhibit floor. It took the entire time allotted for the Convention Exhibits to see them all. The vendors came up with everything from a simple information desk to a mock-up tonight show with Jay Leno to represent their companies. Great Job and hats off to the vendors!

Look for a synopsis of the courses I attended and more on the Convention in upcoming ASPE newsletters.

Have a safe and Happy Thanksgiving!

*Bill*

## ASPE Convention "How Fast Can it Go" Contest The "Eastern Michigan Scalding Express" Of course it was a bathtub with a two handled faucet.



# VP TECH REPORT

**Wes Patton**  
**Vice President Technical**

Hello everyone, we are in the month of November and that means our next session on November 16th will address piping hangers and seismic control. Please remember to be on hand to listen in on these topics and to get your questions answered on seismic control. Mr. Dan Walsh from Anvil Corporation will be the speaker for the event. He is a very knowledgeable man with a lot of experience to match. We must thank Mrs. Cindy Zatto for her arranging this speaker.

Mark your calendars for December 14 for the topic of single stack drainage design. This will be our last

meeting before Christmas break. We will also be starting our Saturday classes soon, so please remember to pre-register for the classes.

Representing the Eastern Michigan Chapter in Cleveland was a great experience for me. Delegates from our Chapter voted with the membership in mind on every issue. The Eastern Chapter took a presence on the floor several times, to convince other chapters to vote in accordance on many by-law topics. Also, I was proud to see the chapter receive many awards. See you in November

Happy Thanksgiving!

*Wes*

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**Febco** - backflow prevention assemblies, **Hot Box** - insulated valve & meter enclosures, **Mr. Steam** - residential & commercial steamroom generators, saunas, **NDS** - exterior drainage & landscape products, valve & meter boxes, channel drain, flexible couplings & saddles, equipment pads, tree grates, grass pavers, root barriers, drip & micro irrigation, **Plumberex-ADA Handy Shield™** trap & supply safety covers, **Sioux Chief** - commercial drainage products, roof drains, water hammer arresters, commercial hangers & brackets, trap primers, preformed copper, plumbing specialties, **Spears Mfg. Co.** - PVC/CPVC fittings, DWV fittings, ball, lab, check, diaphragm, butterfly valves, CTS fittings & valves, irrigation specialties, fabricated fittings, CPVC fire sprinkler fittings, actuation, dual-containment, CPVC lab waste systems, LXT ultra-pure water systems, PVC compression fittings, PVC saddles, **Toilet Partitions**

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# VP LEGISLATIVE

**Ron George, CIPE/CPD  
Vice President Legislative**

## The ASPE Convention

I just returned from the ASPE Convention and it was a huge success. The convention experience began for me on Wednesday afternoon when John Nussbaum met me and we drove to Cleveland together. On Friday morning, John Nussbaum, Paul Bladdick, Bob Cesleiga and I attended the ASPE working group meeting for the "ASPE 15 - Hot Water Temperature and Control Design Standard." Jill Dirksen, the ASPE Technical Director, is also a member of this committee and we got a chance to meet with her. She is doing a great job as ASPE's new Technical Director.

The design Standard is coming along well and the second draft will soon be sent to the committee for comments.



*Dave Dexter is chairman of the ASPE Standards committee (Seated next to Jill Dirksen).  
Facing us left to right: John Nussbaum, Bill Chapin, Heath Sharp, Tim Kilbane, & Ron George.*

On Saturday our chapter representatives attended working group meetings for the Legislative, Technical, Education and Research Committees and the Ad Hoc By-laws Committee Meetings. On Sunday and Monday the delegates attended the ASPE business meetings and the Product Show opened on Monday at 12:30.

I still learn great amounts of information visiting the product show. The product show allows you to see the products we specify up close where you can see cut-away models to see how many products work. When you know how a product works it makes you a better engineer or designer. This year ASPE arranged to have monitors with hand held scanners keeping track of when attendees entered and left the product show floor. Attendees will receive CEUs for attending the product show. On Tuesday and Wednesday there were many technical seminars to choose from that also allowed you to earn CEUs. I attended six seminars and sev-

eral were very interesting topics.

John Nussbaum, Esteban Cabello, Bill Grayzar and I kept notes on the better speakers and we are planning to invite several of them to be speakers at next years chapter meetings.

## International Code Council

I attended the ICC Education conference September 25-28, 2004 in Salt Lake City. The proposed code changes have all been submitted and they are preparing the code change proposal books to be mailed out in the last week of December. We should have a Southeast Michigan Code Study & Development Committee meeting in late January (Jan 22nd & 29th at PHI subject to verification of availability) The committee will go over the proposed code changes.

## IAPMO Education Conference

I attended the International Association of Plumbing &



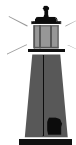
*L to R : Ron George, Esteban Cabello, Bill Grayzar & Wes Patton at ASPE delegates meeting in Cleveland, OH.*

Mechanical Officials Conference in Reno, NV. They had several good workshops covering the Mechanical and Plumbing codes. I was there to give a seminar on plan review and enjoyed the experience. IAPMO has a lot of really experienced Plumbing and Mechanical attendees. The workshops get quite interesting.

## ASSE Standards Meeting

I will be attending the ASSE main product standards committee meeting in Miami, Florida in November. I am active on several ASSE plumbing product standards and will be there to address the main committee with some comments.

The next code item of interest for us is the International Code hearings in Cincinnati, OH. The code hearings are from Feb 23 - March 4. ICC will issue a more detailed schedule in the near future indicating when plumbing, residential, fuel gas and mechanical codes will be heard.



## Spotlight on our Members



Brian Noonan, P.E., member of the ASPE, was recently promoted to an Associate of SmithGroup. Some of his most recent projects include Ford Field in Detroit and the University of Michigan Horace H. Rackham School of Graduate Studies,

Infrastructure Study in Ann Arbor. Brian earned a bachelor degree in architectural engineering from the University of Kansas and joined SmithGroup in 2000.

Congratulation Brian!

Another member and VP Legislative of the Eastern Michigan Chapter, Ron George, was recently seen on channel 4's "Ruth to the Rescue" when she investigated a story about a man that was scalded to death in Michigan.

The follow up to the story interviews the family and later shows Ron demonstrating various piping methods, and products that when used and set properly can help prevent scalding. (ASSE 1017, ASSE 1016, ASSE 1070, ASSE 1066, & ASSE 1062 devices are described. Also described were the stacking effect in uncirculated water heaters, how to set the maximum temperature limit stop on a shower valve and the gas control valve and thermostat limitations on water heaters.)

Good job Ron!

### **ASPE Eastern Michigan Chapter Legislative and Education Committee Seminars**

The Eastern Michigan Chapter of the American Society of Plumbing Engineers has planned two Educational seminars for 2005. These Seminars will be all-day Saturday seminars. Please mark these dates on your calendar or post a note for next year's calendar.

#### **Saturday April 2nd - Legislative Seminar Michigan Plumbing Code Review Seminar**

This Seminar will be an all day seminar covering the International Plumbing Code and the amendments in the Michigan Plumbing Code. The seminar will also cover recent code changes that will appear in the 2006 International Plumbing Code and eventually the Michigan Plumbing Code. Attending this seminar will bring you and or your employees up to speed on the current issues of the Michigan Plumbing code.

The Instructor will be Ron George, CIPE, CPD. Ron has been a member of the International Plumbing Code Committee and he has attended every code hearing for the last 10 years. Ron is also a member of the Code Study & Development Committee of Southeast Michigan. He will review the significant portions of the Michigan Plumbing Code from cover to cover.

#### **Saturday April 16th - Education Seminar New Concepts in Hydronic Heating Seminar with Dan Houlihan**

The Eastern Michigan Chapter of ASPE is working to secure Dan Houlihan as our guest speaker for an all-day Saturday hydronic seminar. Dan is a world renowned author and publisher and he has a website called [heatinghelp.com](http://heatinghelp.com)

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## Our Reputation is Stainless



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**A.O. Smith** - water heaters, boilers, commercial & residential, **American Plumber**-water filtration products, **Bemis/Church** - plastic, wood and medic-aid, residential & commercial toilet seats, **Boots Plumbingware**-steel lavs & tubs, **Howell Metal** -copper tubing, **Jones Stephens Corp**-plumbing specialties, **Little Giant Pump Co.** -sump, sewage & condensate, **Mansfield Plumbing**-plumbing products, china/steel/brass, **Plastic Trends** - PVC SDR 35 gasketed 4"-24", PVC SDR26 heavy wall gasketed 4"-18", PVC SDR 35 solvent weld 4"-24", styrene solvent weld 3"-6", PVC/DWV solvent weld 8"-24", **Plumco** -specialty products, **Royal Quickstop**-fire protection systems, **Swirl-way**-acrylic whirl-pool tubs, Vandem-no hub cast iron soil pipe and fittings

## Meek / Beck & Associates, Inc.

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11875 Belden Court  
Livonia, MI 48150  
Ross Beck  
Ph 734 458-2950 Fax 734 458-2953  
meekandbeck@aol.com  
www.meekbeck.com

**Aero Mfg**-stainless steel sinks, **Bradley Corp.** - washfountains, emergency, patient care & security fixtures, **Central Brass**-faucets & plumbing brass, **Chronomite** - point of use water heaters, Koala Bear Kare-baby changing stations, activity products, **Halsey Taylor** - electric water coolers & drinking fountains, **Leonard** - shower & water mixing valves, thermostatic & pressure balanced, **McGuire**-brass fittings, **Santana** - toilet & shower compartments, **Truebro** - trap & supply covers, **Watt Drainage**-roof & floor drains, carrier systmes, interceptors

## Merlo Steam Equipment Co., Inc.

Manufactures' Representatives  
35745 Beattie Dr.  
Sterling Heights, MI 48312  
Gregory J. Merlo  
Ph 586 978-8434 Fax 586 978-8459  
gregm@merlosteam.com  
www.merlosteam.com

**Armstrong International**-"Flo-Rite Temp" & "Flo-Direct" instantaneous water heaters, thermostatic mixing valves, air vents, drainers, radiator valves, pressure reducing valves, heating & cooling coils, hose stations, steam traps, steam specialties, condensate pumps, steam system optimization services, **Humidifiers**-water spray-fogging types, steam-electronic & gas fired, steam to steam, **Check-All Valve**-specialty spring-loaded check valves, **Circle S Products**-steam & air separators, flash tanks, **Crane Environmental**-deaerators, high purity water systems, membrane-based filtration, reverse osmosis (RO), softeners & filters, **Hydro-Thermal**-direct injection steam heaters, **Kunkle**-safety & relief valves, **Lattner Mfg.**-gas/electric steam & hot water boilers, **Marlo Coil**-heating & cooling coils, **Sentry Equipment Co.**-plate & frame, brazed heat exchangers, **Valleygroup**-ceramic insulation & corrosion protection

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**Nibco Inc.**

1516 Middlebury Street  
Elkhart, IN 46516-4740  
Dane P. Badgero  
Ph 800 234-0227 Fax 219 295 3307  
badgerod@nibco.com  
www.nibco.com

**Nibco** - copper & plastic fittings, plumbing valves, pressure rated valves, industrial plastic fittings & valves

**Performance Engineering Group**

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

**Aldrich**-steel tube, oil & gas-fired boilers. Low pressure steam, hydronic and volume hot water heating systems, **Autotrol**-water purification by deionization. Capacities up to 20,000 gallons per day, **Holby Valve Co.**-low/standard range thermostatic mixing valves 1/2" to 4", **Lawler Valve Co.**-low/standard range thermostatic hot water mixing valves, emergency shower valves, temperature and pressure balanced mixing valves 1/2" to 2", **Raypak**-copper-fin hydronic and domestic hot water supply boilers, booster heaters & storage tanks. Sizes from 30 MBTU to 4,000 MBTU, **Ruud Manufacturing**-commercial & residential gas-fired and electric hot water heaters & booster heaters, **Thaw-Pak**-custom in-slab & underfloor heating designs & materials for radiant floor heating, snow melting and de-icing systems, **Valley**-commercial water softeners with metered & non-metered regeneration control, pre-wired and pre-plumbed multi-tank systems

**R.L. Deppmann Co.**

Southfield \* Grand Rapids \* Saginaw  
Southfield Office: P.O. Box 5023  
20929 Bridge St.  
Southfield, MI 48086-5023  
Mary Anderson  
Ph 248 354-3710 Fax 248 354-3763

**A.C.Tech**-variable speed drives, **Advance Thermal**-removable insulation & accoustical covers, **ITT Bell & Gossett**-hydronic specialties, centrifugal pumps, heat exchangers, heat transfer pkgs, pressure booster, domestic water heating, variable speed systems, vertical turbine, submersible pumps, **Cemline**-ASME tanks, hot water storage, packaged water heaters, stone steel lined tanks, replacement tube bundles, unfired steam generators, **ITT Domestic Pump**-condensate return, vacuum & pressure powered pumps, boiler feed systems, **Dow Heat Transfer Fluids** -DowTherm SR-1, DowFrost, **Dri-Steam**-steam injection, gas to steam, steam to steam, electric steam, evaporative humidifiers, ultrasonic fog humidifiers, **Griswold Controls**-coil hook-up kits, constant flow limiting valves, filter, solids separators & filter systems, **Highland Tank**-oil & water separators, **ITT Hoffman Specialties** -steam traps & specialties, condensate return pumps, pressure regulating valves, **ITT McDonnell & Miller**-boiler safety controls, level controls, flow switches, **Metraflex**-flexible pump connectors, expansion joints & guides, non-slam check valves, ball & butterfly valves, **MP Pumps**-self priming pumps, engine driven pumps, **Peterson Equipment** -"Petes" pressure/temperature test plugs, **Preso**-annular/venturi flow meters, **Vertiflo**-pedestal mount sump pumps, **Vibration Eliminator**-vibration control bases, spring isolators, **Watts Radiant**-radiant floor heating systems, snow melting systems, **Weksler Instruments**-pressure gauges, thermometers, recorders **Wessels**-ASME storage tanks, bladder tanks, glass lined storage tanks, glycol fill systems

**Sales Service Plus, Inc.**

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kmeagher@salesserviceplus.com  
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**Alsons**-shower heads, hands showers & accessories, **American Mfg.**-pump controls & alarms, **Campbell Mfg.**-water system & filtration products, **CTS**-copper flange adapters, **Flint & Walling**-well pumps, jet pumps, water conditioning, **Hammond Valve**-valves & actuation, **Hydronic Alternatives**-radiant baseboard, radiators, accessories, **Laco Ind.**-fluxes, sealants, penetrants, caulk, putty, **Nomaco**-poly & rubber pipe insulation, **Milwaukee Valve**-valves & actuation, **Missouri**-threaded rod, **PHD Mfg.**-pipe hangers, strut & accessories, **Raychem**-heat tracing products, pipe freeze protection, **Seminole**-pipe nipples, couplings, steel fittings, **Stadler-Viega**-in-floor radiant heat, potable water pex, **Topp Industries**-fiberglass and poly basins, **Viessmann Mfg.**-boilers, controls & energy management, **Ward Mfg.**-malleable & cast iron fittings, wardflex, **Waterless Co.** -waterless urinals, **Zoeller Pump Co.**-sump, sewage & wastewater pumps & accessories

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## Underwood Fire Equipment Inc.

Fire Equipment Sales, Service, Repair & Testing  
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Darrell W. Underwood  
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## V.E. Sales Co., Inc.

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## Dave Watson Associates, Inc

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Dave Watson, Jr.  
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watsonassoc@tc3net.com

**Anaco**-no hub couplings, transition couplings, SV gaskets, **Aquarius** - acrylic & gel coat shower/tub-shower surrounds, **Chicago Faucet**-hospital, commercial, laboratory, industrial faucets & fittings, **Eemax**-electric tankless & mini-storage water heaters, **Geberit**-pressure assist flushing systems, sensor faucets & flush valves, **Haws**-emergency showers, eye washes, drinking fountains & water coolers, **Husky**-heavy duty & mid-range no hub couplings, **Intersan Mfg.**-stainless steel and polyresin washfountains & lavatory stations, **J.D. Gould**-electric solenoid valves, bronze & stainless steel, **Orion Fittings**-corrosion resistant piping systems, high purity water & dilution tanks, **Powers**-thermostatic controllers, pressure-balance & thermostatic shower systems, self-actuated temperature regulators, **Stern-Williams Co.**-terrazzo mop sinks & shower floors, drinking fountains, **Tyler Pipe**-Tyler soil pipe & accessories, Rufwall systems

**Aqua Bath**-acrylic ADA tub & shower units, **Cooper Bline**-pipe hangers & strut systems, **Dupage Products**-threaded rod & hose clamps, **Freedom Plastics**-plastic pipe & fittings, **George Fischer Sloane**-electro fusion polypropylene products, **Green Mfg. Inc.**-loading racks & stairs, **Hayward Industrial Products**-plastic, pvc, cpvc valves, basket strainers, filters, pneumatic & electric actuators & solenoid valves, **Homestead**-plug valves, **Insul-Tek**-preinsulated piping systems, **Laboratory Enterprises**-laboratory fixtures & accessories, **Mission Rubber Co.**-"heavyweight" no hub couplings, **Noble Co.**-anti-freeze non-toxic, CPE shower pan lining, **OPW Engineered Systems**-loading arms, sight flos, iso rings & swivel joints, **Richmade Co.**-pvc shower pan lining, **Rockford Sanitary Systems**-grease interceptors, oil separators, **Scientific Plastics**-lab faucets, sinks & neutralization tanks, **Sure Seal**-high performance butterfly valves & ball valves, **Webster Pumps** -immersible & centrifugal pumps

**AC Fire Pump Systems** - horizontal split case, end suction & in-line fire pumps, ul & fm packaged systems including skids & pre-fabricated houses, **Floway Pumps**- vertical turbine fire pumps, **Cla-Val** - fire control valves, ul & fm, **Guardian** - Guardian fire equipment, hose equipment and brass, **Xerxes** - underground water storage tanks, **Modern** - pressure & steel water storage tanks.

Field service work for all manufacturers of pumps, controls and accessories.  
Annual fire pump tests and preventative maintenance.

**Apollo**- ball valves, butterfly valves, pneumatic & electric actuators, thermostatic mixing valves, pipeline strainers, **Conbraco**-backflow preventers, safety relief valves, check valves, plumbing & heating products, **David Valve**-knife gate, CS/SS/CI gate, globe, check valves, **IPS**-plastic pipe cement, primers and cleaners, test plugs, **Josam**-roof drains, floor drains, cleanouts, floor sinks, carriers, manual & automatic grease interceptors, oil interceptors, electronic grease/oil level monitoring, trap primer valves, water hammer arrestors, **MEA-Josam**-polymer concrete & fiberglass modular trench drains, **Blucher-Josam**-stainless steel push-fit drainage waste piping systems, **Lasco**-Sch 40 & Sch 80 PVC & CPVC and PVC DWV fittings, PVC/CPVC/PVDF/PP ball valves, PVC butterfly valves, PVC/CPVC unions, PVC/CPVC strainers, **Murray**-hose clamps, **Oil Creek**-polyethylene piping systems, **Safe-T-Cover**-freeze & vandal protective enclosures for backflow preventers, **Speakman**-emergency eye wash & showers, mixing valves, sensor faucets, metering faucets, lav faucets, shower heads, pressure balanced shower valves, **Techno**-check valves-wafer, swing, elastomer hinged, plastic & metal construction, **Watson McDaniel**-steam traps, regulators, pressure motive pumps, steam separators, exhaust heads, clean steam products

**Watts Regulator Co.** -regulators, control valves, relief valves, backflow preventers, ball valves, gate valves, butterfly valves, hydronic valves, tempering valves and other plumbing specialties

# **ASPE NEWS**

**American Society of Plumbing Engineers-Eastern Michigan Chapter**

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