

September 2002



Plumbing Design Class

Date: Tuesday, September 24, 2002

Time: 5:30 - 8:30 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: Our Water Supply - Post 9-11

Speakers: Mark Wesley,

Michigan State Police

John Bellow, Detroit News

Sponsors:

The Burke Agency

PMC of Detroit

Dave Watson and Associates

PRESIDENT'S REPORT

Joe Hernandez, CIPE/CPD President



Welcome back and let the good times roll.

The Eastern Michigan has been busy all summer planning the 2002/3 technical program and what a program it will be. A topic borne out of the terrorist attack on the United States brought forth a serious question on how safe is our drinking water? Our first technical session will address this very issue and a panel of specialists prepared to speak and answer questions on this subject. VP Tech, Doug Dryer, has The Detroit News and the Michigan State Police coming, so be prepared to get your questions answered. See Doug's report for all the details.

On a groundbreaking alliance, the Eastern Michigan ASPE chapter has joined with the Michigan ASHRAE chapter to tour the newest jewel of Detroit - Ford Field. This, as you know, is the new home of the Detroit Lions. I have seen the Lions play in their new digs and it is truly a site to behold - not the Lions, but the new stadium. Don't miss it! The proposed date for this is November 5. Bill Grayzar of ASPE is working on all of the arrangements.

The Society's national convention is coming at the end of October and will be held in Dallas, Texas. A group of delegates is traveling to represent the Eastern Michigan chapter and several issues will be brought to the floor. For example, the amount we pay for dues and CEU requirements. If you have a question for the delegates to take with them, send an e-mail to info@aspeemc.org. And for all those traveling to the convention, a second chance test of the CPD exam will be given.

We are always seeking ways of bringing in new members and have found our greatest ambassadors are our old members. So the board has decided to give each current member in good standing a voucher to cover the

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American Society of Plumbing Engineers

Eastern Michigan Chapter 2002-03 Technical Classes

*Held monthly at the
(except where noted)*

PMC Center
14801 West 8 Mile Road
Detroit, MI 48235
.....

September 24, 2002
Our Water Supply - Post 9-11

October 22, 2002
Commercial Kitchen Design and Layout

November 26, 2002
Snow Melting and Radiant Floor Heating Design

December 10, 2002
An evening with Mr. Julius Ballanco

January 28, 2003
Hospital Decontamination and
Sterilization Process Design

February 25, 2003
Green Buildings - what does that mean?

March 25, 2003
Innovations in Plumbing - The Future IS Now

April 22, 2003
Mechanical Room Design

May 27, 2003
Irrigation Systems Calculations and Design

*For instructor name and course description,
visit our web site at www.aspeemc.org*

This month's sponsors...

A special thank you to the following manufacturers' representatives for sponsoring the evening's class. Please visit their display tables for valuable information and literature.

Mr. Brett Young
Burke Agency, Inc.

Mr. John Nussbaum
PMC of Detroit

Mr. Dave Watson
Dave Watson and Associates

**Please confirm your attendance
through the web site at aspeemc.org,
e-mail to
propress1@comcast.net or
phone Doug Cryer at 313 562-7685**

President's Report

continued from pg. 1

cost of one general membership meeting dinner for a non-member. This voucher will be mailed out in several weeks so be watching for it.

We have a terrific program coming up this year and one that will stimulate new and old engineers/designers. Within weeks we will be the newest affiliate member of the Engineering Society of Detroit. The ESD has offered a variety of bonuses for the Eastern Michigan chapter to be a member and the excitement between the two organizations is incredible. Their facility will be available to the EMC and will become an official test site for future CPD refresh-er courses and exam site.

I hope to see you at the September 24 meeting.

Joe

ASPE News is published 10 times per year (September through May, plus one summer issue). Yearly advertising rates are \$250.00 per ad for members and \$300.00 for non-members. Insert advertisements are \$250.00 per newsletter for one oz., \$100 for every oz. over. Help Wanted ads, fifty words or less, \$100.00 per issue. For quarter-page and half-page product ads, please contact Joe Hernandez. Checks should be made payable to ASPE E. Mich. Chapter and send check with inserts or ad to Joe Hernandez. Circulation 400-Distributed to: Engineers, Contractors, Inspectors, and other industry professionals in Michigan. For contributing articles contact Joe Hernandez, Newsletter Editor at newslettereditor@aspeemc.org.

VP TECH REPORT

**Douglas W. Cryer, CSI CIPE/CPD
VP Technical**

We all remember last year, September 11, 2001. This is the day that has been called "the most deadly attack on American soil". All of us were outraged, even afraid that the end might be near and scared of what more could happen by terrorism to hinder our daily tranquil lives. This sort of attack was inconceivable prior to 9-11. Since that day we wonder when, not if, it will happen again.

The potential still exists here in the United States. As we see on the news programs daily, many foreign countries have to endure daily terrorist attacks upon their citizens. The Middle East, England, Ireland and from biblical times Israel and Palestine have been "at war".

On 9-11 terrorists created a war zone right here in New York City. Live video shots of a plane (bomb) crashing into the World Trade Center (WTC) filled the news reports. Horror caught by home videos, like when President Kennedy was shot in Dallas. The WTC was the hub of finance and trade for the world and seen through the terrorist's eyes as the pinnacle of Capitalism. The Twin Towers stood as very tall targets to our enemies.

Who are our enemies? Are they our neighbors? Nobody knows but the terrorists themselves. What will be the next act of terrorism? Again, nobody knows.

One year later, the United States remains on high alert with architects, engineers, scientists and many government agencies combining to review the aftermath of the WTC disaster and avoid mass destruction to "Our Homeland" again. Nationally, our government has created a separate group of people whose only concern is for our daily emergency management. However, the WTC had its own center for emergency management in place on 9-11 and still had been caught off guard.

Could we have more airborne contaminants such as, anthrax or something else? How about our water supply? Isn't water one of Michigan's greatest resources? Personally, I think that Detroit water tastes better than any around North America. That is the scary part. Our local domestic, potable water supply has become a necessary part of my/our daily living. In fact, there is a bottled water manufacturing plant near Mecosta, Michigan that is pumping from wells, bottling, packaging and selling our water nationally for a very large profit. Could the bottling industry provide terrorists with the tools to contaminate our water and create a

major act of terrorism on America again? Who knows? I bet we all care though.

Remember last year, one of our ASPE Technical Presentations was about wastewater treatment and the chemical process required to cleanse, then return the water back to its original source. This September we will be presenting a different view of potentially harmful chemicals that could affect our water supply. This could be our next "war on the home front". The threat could come at a movie theatre, hotel and convention center, sporting arena, shopping mall, schools, universities or even hospitals. We cannot be paranoid, but we can be made aware of how to be prepared or prevent such acts.

This month's technical meeting will be a roundtable format with a moderator and featuring, the Michigan State Police, a feature writer from The Detroit News and possibly a key individual from the Detroit Water and Sewerage Department to discuss what can and will be done to prevent an act of terrorism of this magnitude.

The State of Michigan, without much fanfare and not alarming the public, has developed a task force to inform and protect all of us from such a terrorist threat. In addition, the Detroit Water and Sewerage Department is taking precautionary measures at all of its facilities to insure that our drinking water is safe. Actually, what is being done?

A recent article in "The Detroit News" has been asking that question and on September 24, 2002 at the PMC Center in Detroit we will hear about all that and much more. How can we in the Engineering Design, Construction Trade, Facility and Hospital Management business' help with this new and deadly type of terrorism? What are some preventative measures that can be learned and implemented into our designs of the future and installed now to protect our drinking water?

Please plan on attending this interesting and thought provoking meeting to get involved with the process of defeating terrorism here in Michigan, if not the world.

**ASPE 2002 Convention
and Engineered
Plumbing Exposition
October 26-30, 2002
Fort Worth, Texas**





October



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

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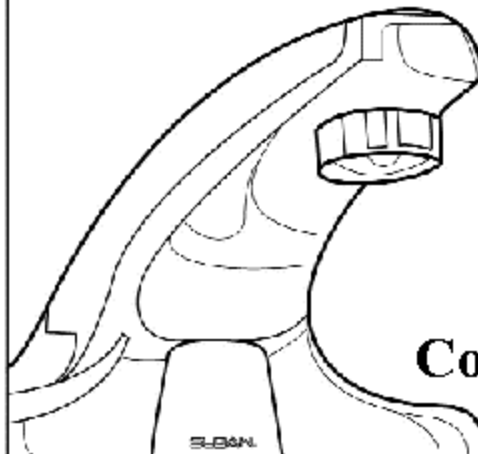
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Legislative Report

Jill J. Dirksen
VP Legislative

STATE PLUMBING BOARD MEETING UPDATED

The next Board Meeting will be September 2, 2002 at 10:00 am at 2501 Woodlake Circle, 2nd Floor, Okemos, MI.

NATIONAL UPDATE and HELPFUL WEB SITES

The ICC Comments to the Code changes are now available for review. The document is on-line and may be downloaded for the ICC website, www.intlcode.org.

All members are encouraged to review the Plumbing, Mechanical and Fuel Gas code changes. Hearings for these changes will be held in Ft. Worth, Texas the first week of October. Any comments should either be taken with you if you decide to go to the ICC meeting, or please get them to me to pass on to Julius Balanco.

The changes to the Uniform Plumbing Code formal committee vote are in. The ASPE Legislative Committee did not receive enough votes for acceptance. The ASPE Legislative Committee was only three votes short of gaining approval of the changes. The complete report on comments are available on the IAMPPO website, www.iapmo.org. Please take some time to review the comments for the plumbing and mechanical sections. During the last week of September, IAMPPO will hold its annual meeting in Denver, Colorado and the comments will be reviewed. If you find something that you wish to pass along to Julius, please bring it to my attention and I will take care of it.

The Standards Council approved the NFPA Building Code, NFPA 5000, formally in July. Within the next few months, NFPA indicated they would be printing the new building code. NFPA had reported that the first state to adopt the new NFPA 5000 Building Code would be Rhode Island.

While NFPA is in the midst of a new publication, ICC is reporting that AIA is giving them full support for the adoption of all of the I-Codes and the NEC. This came in a statement issued by AIA. It is also reported by ICC that the DoD is selecting the International Building Code as the code to follow for all military projects.

LOOKING FOR VOLUNTEERS

The development of the Plumbing Design Standards is a new and exciting event upon which ASPE is embarking. Committees are in need of volunteers. Currently, there are an inadequate number of volunteers for the committees.

You may be wondering the commitment of time associated with each standard committee. Over a year's time period, there will be at most two meetings for each standard committee. Because this is the start of a new standard, there will be a larger time commitment due to the development of the original text. Typically, this is done in the evening hours as a part of the review.

If you happen to be interested in volunteering, please let me know so I can get an application for you to fill out. Engineers, Designers, Contractors, Manufacturers, Labor Representatives, and Inspectors are all needed to be a consensus committee.

Welcome!

We would like to take this opportunity to welcome

Dale R. Koller, CIPE

Gerald Potapa, Jr.

as new members of the ASPE Eastern Michigan Chapter

Make sure to take a moment to say 'hi' to these new members at the next meeting.



Tour the new Ford Field Stadium

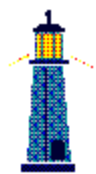
Coming November 5th



On November 5th ASHRAE and ASPE will be holding a joint venture to tour the new Ford Field Stadium. This is a great opportunity for those interested to learn first hand about the unique design considerations and features of the new stadium.

The tentative schedule currently includes a guided tour of the stadium (approximately one hour in length) followed by dinner and social hour and concluding with a short presentation by John Richards of the Smith Group on the unique design challenges associated with the stadium.

Mark your calendars now and look in October's newsletter for more complete details.



Spotlight on our Members

Doug Cryer, CSI, CIPE/CPD

Allow me to introduce myself as your new Viega Pro-Press Representative for the entire State of Michigan and Northern Ohio, including Cleveland, Bowling Green, Toledo and perhaps even Erie, Pennsylvania.

I was hired to interface with the Engineers, as well as the Contractors. I cannot wait to visit many of you at your places of employment or job sites.

My official title with Viega is Technical Consultant. Which is to say that I will introduce the product to those of you who are not familiar with it and give "hands on" presentations to any Engineer,

Designer, Contractor and those of you who have a say in the product and execution sections of your specifications.

Many of you have already seen, specified, submitted and installed this product and I Thank You for your consideration and belief in such a system.

Viega is a sponsor and contributor to "This Old House" program on PBS, Saturday mornings and Norm loves to show it off whenever he speaks about copper piping, from domestic to heating water systems. I am also honored to be a Corporate Sponsor for the November 5, 2002 combined ASHRAE/ASPE meeting at the new home of the Lions.

I'll be seeing you!

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Armstrong International-“Flo-Rite Temp” & “Flo-Direct” instantaneous water heaters, “RADA” 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, **Kumde**-safety & relief valves, **Lattner Mfg.**-gas/electric steam & hot water boilers, **Marlo Coil**-heating & cooling coils, **Sentry Equipment Co.**-plate & frame, brazed heat exchangers

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

Alrich-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, **Hobby 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", **Rappale**-copper-fin hydronic and domestic hot water supply boilers, booster heaters & storage tanks. Sizes from 30 MBTU to 4,000 MBTU, **Rud 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

ABS Pumps-sump & sewage pumps & systems, **Alamo(E codyne)**-commercial & industrial water treatment, R.O. systems, D.I. water, **American Turbine**-turbine pumps, **American Water Heater**-commercial tank type water heaters, **Combraco**-plumbing & heating products, backflow prevention devices, **Everhot**-stored lined indirect water heaters, **Graham**-plate&frame heat exchangers, steam instantaneous water heaters, **Griffin Products**-stainless steel sinks & fixtures, **Hydrotherm**-commercial/residential cast iron modular & pulse boiler, floor level baseboard, **John Wood Co.**-ASME&commercial pressure vessels, storage & expansion tanks, **Josam**-roof&floor drains, carriers, interceptors, commercial drainage products, **Josam/Blucher**-stainless steel waste pipework, floor & bench drains, **Josam/MEA**-bench drain systems in precast polymer concrete or fiberglass, **Josam/Stern**-automatic sensor flush valves, faucets & showers, **Maxitrol**-gas pressure regulators, **Mepco**-steam specialties, condensate & vacuum pumps, traps, **RBI**-commercial&residential copper boilers&water heaters, storage tanks, pool heaters, **Rehau**-radiant floor hydronic heating&snow melt systems, plumb-pex, **Richmond Foundry**-cast iron soil pipe, fittings, full port valves, PVC drains & cleanouts, **Space Pak**-air conditioning systems, **Standard Fin Pipe**-commercial baseboard, convectors, unit heaters, **Stiebel Eltron**-tankless electric water heaters, **SyncoFlo**-pressure booster systems, packaged HVAC pumping systems, **Thrush**-circulator pumps, inline pumps, end suction pumps, heat exchangers, **Wheatley**-pump accessories, heat exchangers, expansion tanks, air separators, CBV, IDV, strainers&valves, flexible connectors.

A.C.Tech-variable speed drives, **Advance Thermal**-removable insulation & acoustical covers, **Bell & Gossett**-hydronic specialties, centrifugal pumps, heat exchangers, heat transfer plugs, 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, **Domestic Pump**-condensate return, vacuum & pressure powered pumps, boiler feed systems, **Dow Heat Transfer Fluids** - Dow Therm SR-1, Dow Frost, **Dri Steem**-steam injection, gas to steam, steam to steam, electric steam & evaporative humidifiers, **Ebara Inter**-grinder & submersible pumps, **Griswold Controls**-coil hook-up kits, constant flow control valves, filter systems & solids separators, **Heatway**-radiant floor heating & snow melting systems, **Hoffman Specialties**-steam traps & specialties, condensate return & vacuum pumps, **MP Pumps**-self priming, ANSI centrifugal & engine driven pumps, **McDonnell & Miller**-boiler safety & level controls, flow switches, relief valves, **Metraflex**-flexible pump connector, expansion joints & guides, non-slam check and ball & butterfly valves, **Peterson Equipment**-“Petes” pressure/temperature test plugs, **Preso**-annular/venturi flow meters, **Vertiflo**-pedestal mount sump pumps, **Wessels**-Bladder & glass lined storage tanks, **Welsler Instruments**-pressure gauges, thermometers, recorders

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Alsons-shower heads, hands showers & accessories, **American Mfg.**-pump controls & alarms, **Capitol Mfg.**-pipe nipples, forged steel, barstock steel, stainless steel fittings, **CTS**-copper flange adapters, **Cuno**-water treatment & filtration products, **Hancor**-drainage products; commercial, residential & waste management, **Iron Out, Inc.**-Iron Out and Pro Line chemicals, **Laco Industries**-fluxes, sealants, cements, penetrants, caulk, putty, **PHD Mfg.**-pipe hangers, strut & accessories, **Raychem**-heat tracing products, **Stadler Corp.**-in-floor radiant heat, potable water pex, **Studor**-venting, air admittance valves, **Topp Industries**-fiberglass and poly basins, **Viessmann Mfg.**-boilers, controls & energy management, **Ward Mfg.**-malleable & cast iron fittings, wardflex, **Zoeller**-sump, sewage & wastewater pumps & accessories

Anaco-no hub couplings, transition couplings, SV gaskets, **Aquarius** - acrylic & gel coat shower/tub-shower surrounds, **Chicago Faucet Co.**-residential, hospital, industrial, commercial, lab & decorative faucets, **Eemax, Inc.** -electric tankless water heaters, **Guardian Equipment**-emergency eye wash & shower equipment, **Husky** - heavy duty & mid-range no hub couplings, **Intersan Mfg.**-stainless steel and polyresin washfountains, **Oasis Corp.** -Oasis water coolers & drinking fountains, **Orion Fittings**-corrosion resistant piping systems, high purity water & dilution tanks, **Stern-Williams Co.**-terrazzo mop sinks&shower floors, drinking fountains, **Symmons Ind.** -shower&finished brass products, **Tyler Pipe**-Tyler soil pipe & accessories, Rufwall systems

Aqua Bath-acrylic ADA tub & shower unit, **Cooper Blinn**-pipe hangers & strut systems, **Dupage Products**-threaded rod & hose clamps, **Green Mfg. Inc.**-loading racks & stairs, **Hayward Industrial Products**-plastic pvc, cpvc valves, basket strainers, filters, pneumatic & electric actuators & solenoid valves, **Webster Pumps** -inmersible & centrifugal pumps, **Insul-Tele**-insulated piping systems, **Homestead**-plug valves, **Hydrotek International Inc.** -sensor operated faucets & flush valves, **Mission Rubber Co.**-"heavyweight" no hub couplings, **Noble Co.**-anti-freeze non-toxic, CHE shower pan lining, **Richmade Co.**-pvc shower pan lining, **Rockford Sanitary Systems**-grease interceptors, oil separators, **OPW Engineered Systems**-loading arms, sight flos, iso rings & swivel joints

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 - all valves, butterfly valves, pneumatic&electric actuators mixing valves, pipeline strainers, **Conbraco**-backflow preventers, safety relief valves, check valves, plumbing and heating products, **Central**-flange insulation kits, unions, STAC corrosion control, polyethylene fittings, electrofusion, **IPS**-plastic pipe cements, primers and cleaners, **Lasco**-Sch 40 & Sch 80 PVC & CPVC and PVC DWV fittings, **MIFAB**-roof drains, floor drains, cleanouts, carriers, grease traps, oil interceptors, access doors, trap primers, **Murray**-hose clamps, **Oil Creek**-polyethylene piping systems, **RP&C Valve**-800 & 1500 class forged steel gate, globe & check valves, 1690 & 2690 class y-pattern globe & check valves, needle valves, boiler blowdown valves, **Shaw Valve**-150 & 300 class high performance butterfly valves, **Sloan Flushmate**-pressure assist flushometer tanks, **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

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