



# WASHINGTON DC CHAPTER ASPE NEWS

PO Box 3875 Frederick, MD 21705

**January 2011 Issue**

**AMERICAN SOCIETY OF PLUMBING ENGINEERS**

CHAPTERS ARE NOT AUTHORIZED TO SPEAK FOR THE SOCIETY

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## President's Message



**Matt Lane**  
President



The DC Chapter Holiday Social at the Medieval Times this month was a lot of fun! If you were not able to make it, you missed the knighting of Sir Juan Rojas, honoring him for the wonderful job he has done for the chapter.

Sir Rojas was also welcomed as the new Head of the Board of Governors by James Yang.

The event would not have been possible without the support of the vendors and affiliates of our chapter. Their support, donations, attendance, and involvement in the chapter is much appreciated. Please take the time view their advertisements in the monthly newsletters and thank them personally when you see or talk them.

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## Happy New Year

I would like to wish everyone a happy new year. I hope everyone had a good holiday. As always I encourage feedback on either my column or recent code issues or changes that you have come across. Since it is the new year I going to touch on the highlights of a recent Panel Discussion I attend in November at the MCAMW Plumbing Contractors.

Speaking on the Panel where Ed Iames from WSSC, Guy Tomberlin from Fairfax County and Jeff McBride from Red Loin Medical Safety. A majority of the time by the speakers was spend on the upcoming changes in adopting the 2009 IPC and IFGC. Both portion of the ICC will be adopted in the coming year, WSSC effective date being 2/01/2011 and Fairfax in March of 2011. I previously stated that Fairfax would adopt the 2009 code in December of last year but this was delayed due to discussion of the Residential Code requiring Fire Protection. Fairfax did not adopt this portion of the code and will be listed as an option.

The highlights of the changes discussed.

## Fairfax County

Gray and rain water reclaim will be allowed to be used in conjunction with water closet/urinal flushing and lawn irrigation. They have adopted Appendix C of the 2009 IPC.

Occupancy load less than 15 people do not require a drinking fountain.

T&P valves are required to discharge into a drip pan.

Push fitting are legal for domestic water.

Bonding of Natural Gas on all types CSST piping is required, regardless of manufactures statements.

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## WSSC

Currently Gray and Rain reclaim has not been adopted. WSSC is working with local health departments as to whom will be responsible for the water testing for these types of systems.

Also noted that there are currently two Grease interceptors studies taking place that will most likely affect WSSC grease interceptor sizing requirements. One study is being conducted at University of Maryland focus on small devices, this testing is being conducted specifically for WSSC. Another study is being conducted at University of North Carolina with the focus being on larger devices.

That wraps up this month column. I would like to wish everyone a happy and successful 2011. I hope to see some of you in the coming months at the Washington DC chapter meetings.

Dennis Cavallaro CPD, LEED AP  
VP Legislative  
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## Presidents Message Continued

President, Matt Lane



Special thanks to our sponsors: Ames, Victaulic, Steck Sales, Chicago Faucets, Joyce Agency, John Walker Sales, Guardian Equipment, Charlotte Pipe, STH, EJ Dwyer, Tom Weavers, and Barnard Associates!

On a separate note, we understand there have been issues with members not receiving evites and announcements from the chapter which we are trying to correct. If you or someone you know is not receiving evites please let us know so we can make sure we have everyone aware of what's going on with the Washington DC Chapter.

Hope to see many of you at the January 19th meeting.

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## Membership VP Membership, Evan Anderson

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Season's Greetings All,

As we gear up for the New Year, it is worth taking a second to summarize 2010. Even with the economic down turn, the DC Chapter of ASPE finished the year strong. In 2010 we add 19 new members to the chapter and continue to meet our mission and goals. At years end, our final membership count is 157 members. We are hoping to swell above the 200 mark, but our goal for 2011 is about the 185 range. This is going to take a total team effort to mark this goal, so if you know anyone who has an interest in joining our group, please pass their information on to anyone of our dedicated officers. If they prefer to look into the association on their own, application forms are available online at [www.aspedc.org](http://www.aspedc.org) or at [www.aspe.org](http://www.aspe.org).

Thank you all again, for a successful 2010 and we look forward to another great year in 2011.

V.P. Membership  
Evan Anderson

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## Speakers Corner VP Technical, Ronald Ball

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December 29, 2010

The holidays are almost over and everyone has resigned themselves to surviving those New Year's resolutions. One resolution that would be easy to follow is to sign up for an ASPE on-line webcast. ASPE has several topical webcasts coming up plus many archived past webcasts. For more information go to the ASPE national webpage or check out the latest PS&D magazine. This is an easy way to learn something new or to refresh your knowledge about an aspect of plumbing that isn't dealt with often.

The topic for our January meeting is "Transient Airflow in Building Drainage Systems". Mr. Pat O'Neal from the Studor Company will speak on positive air pressure attenuators and air admittance valves. In addition he will discuss the new ASSE 1030 standard and how it works with ASSE 1050 and 1051. The tabletop will be sponsored by Harry Ecklof and Associates and Raypak boilers. The chapter officers and I look forward to seeing you at the meeting.

Ron Ball  
VP Technical  
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## Temper, Temper!

The requirement to provide tempered water for public hand-washing facilities was introduced in the 2006 International Plumbing Code, in section 416.5. In the 2009 International Plumbing Code, the language was clarified and re-worded to state:

*Tempered water shall be delivered from public hand-washing facilities. Tempered water shall be delivered through an approved water temperature-limiting device that conforms to ASSE 1070 or CSA B125.3.*

Although if taken out of context like this, it seems that tempered water is required for all public hand-washing fixtures, but Section 416 happens to be the "lavatories" section and there is no mention of tempered water being required for other accessible fixtures where hand-washing may occur, such as sinks (Section 418). The term "tempered water" is defined in Chapter 2 Definitions, as "Water having a temperature range between 85°F and 110°F."

The code is very explicit on how to achieve this temperature range, but many plumbing designers and engineers have been neglecting this specific language for one reason or another. ASSE 1070 and CSA B125.3 include performance requirements for devices that limit water temperature to a fixture or group of fixtures. Some of these requirements include having a means to prevent cross flow like checks or check stops and being able to reliably control the outlet temperature with the ability to shut off rapidly in the event of a cold water or hot water supply failure.

Some designers may believe that specifying the manufacturer's optional mixing valve that is often listed as an accessory on the faucet submittal sheet is sufficient for meeting this code requirement. However, this is not the case. Most of the manufacturer supplied accessory mixing valves just blend the hot and cold water flows together and are not truly thermostatic temperature-limiting devices. Though it may be enough to get through the plan review, depending on the reviewer, the subcontractor may know that this does not meet code and not specifying the right mixing valve could lead to change orders.

Another method currently being used by plumbing designers and engineers in an attempt to meet this code requirement is using point of use water heaters, tankless in many cases, and setting the outlet temperature somewhere between 85°F and 110°F. While this does seem to meet the intent of the code, it does not actually meet the code since a water heater thermostat is not an ASSE 1070 or CSA B125.3 temperature-limiting device. Again, this could be disputed by the plans reviewer or the subcontractor and lead to unnecessary change orders.

Until the International Code Council and local jurisdictions approve other methods for providing tempered water to public hand-washing fixtures, the thermostatic mixing valve located at the point of use is the only approved method and incorporating other methods into plumbing designs may lead to expensive and unnecessary change orders.





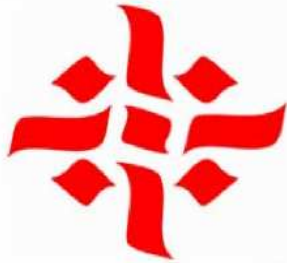
Gareth Griswold spreading holiday cheer and his knowledge of exterior illumination

Cousin Danny right after he finished with his...um...Plumbing issue.



And finally Happy New Year Dennis...Nice Outfit!





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## Chapter Meeting Location

**Washington Chapter** meetings are currently being held at the Olive Garden located on Route 7 (8133 Leesburg Pike) in Tyson's Corner. Please join us for our **General Meeting January 19th, 2010**  
Call for directions: (703) 893-3175



**All Reservations for dinner are requested by:**  
Noon, Tuesday January 18th, 2010

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Email Chris Barnard <mailto:cbarnardsr@yahoo.com> to be added to mailing list.

Dinner:	Member:	\$28.00
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