

Dallas-Fort Worth

American Society of Plumbing Engineers

FEBRUARY 2011



ASPE NEWS

Local Chapters are not Authorized to Speak for the Society



President-

Happy New Year! I certainly hope that all of you had a great Christmas. 2011 brings another year for us to all make a difference. We want to continue to bring about change

while providing stability for our membership. How can you have change and remain stable? We want to provide a solid structure and consistent activities that our membership can count on. We want to continue to provide the best educational opportunities for our membership that will continue to solidify their design and industry knowledge. We then want to change the way our membership see's themselves and their contributions to society and the industry. As my pastor say's, "We want to Elevate our thinking so we can Elevate our lives."

As you know, there is strength in numbers. I want us to all say this together, "300". This is the target membership number we want to grow into. Our current membership is at 237. Believe it or not, we touch over 1000 email boxes each month with our newsletter, notices of our lunch meetings, and with our events. We are by far the most active chapter in ASPE. We now need to grow our numbers and continue to grow as a family. So, check your current membership status with ASPE. If we send emails to over 1000 people and only have 237 actual

members, you do the math. We have much room to grow and we have great people in our territory that we want to be part of our official DFW ASPE family. So please, turn in your membership forms. Renew your membership and help us bring in more contributors to our society. We are just like uncle Sam, always looking for a few good people to join our society.

What can we do in 2011 to make our life's better? For one, we can work to continue growing our industry knowledge and obtaining additional certifications such as the CPD (Certified in Plumbing Design). DFW ASPE has set aside \$5000 to reimburse our members who take and pass the want to continue to provide and save travels. is upon us. I hope all of you are hard at work planning for 2011. Are your new year's resolutions in place? Do you know what you want? I heard that most people do not get what they want in life because that do not determine what they want. If you don't know what you want, how are you going to get it? You get what you get when you don't know what you want. FACEBOOK. Check us out on Facebook. Lyric Perches our newsletter editor and webmaster for our Facebook page has setup a great Facebook page full of pictures from our events during the year. Check us out as we continue to push forward with technology.

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DFW ASPE

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JUST A THOUGHT...OR THREE

D.M. Wilson

In my making of very many travels across this Country of ours I have to wonder, "Are we designing and constructing our public restrooms properly?" A portion of the Mission Statement in every Plumbing Code and also with most organizations focused on plumbing systems and design, discuss safeguarding the public health and safety within our communities. So, it is with this in mind that I want to bring to attention certain observations made over a number of years. I have many times been accused by others of being hyper critical, to which I respond "This is what I get paid for so, it comes naturally." many future solutions will undoubtedly rest with your cognition and design skills.

This discussion will focus primarily on the Men's public restrooms. While I've had opportunity to observe similar situations in many Ladies public restrooms too, nearly every building with public restrooms will exhibit this same problem and some to a greater or lesser degree. That said, the content of this topic is less than delicate in its nature. Additionally, I will not be singling out any specific facility by name where I have made my observations but will for the most part focus on airports as a prime offender due to their high volume of people traffic and that we tend to turn the "at gate" waiting areas into an extension of our own living rooms in how we use them and attempt to get comfortable in them.

When walking into a public restroom and making headway to the bank of urinals, characteristic of every airport and large publically accessed facility, I typically find myself standing in a puddle of...well, let's call it water for sake of discussion. This can be very disturbing when realizing that the urinals are the waterless variety. So, in looking around, I find that the floor drain is generally dead square in the middle of the floor behind where everyone stands, if there is one at all.

All too often it is the architect who, during the design phase, determines where a floor drain will be located and with some symmetry related reasoning or that it is easier to detail that way. It is the architect who is in control of the designing of and overseeing of the construction of the floors and related slope to drain(s). Now I'm not blaming everything here on architects however, beyond a recommendation for quantity and coordination with structural elements when found in conflict, the plumbing design professional is rarely heard from regarding placement of floor drains in a public facility.

Engineers being utilitarian in their design, layout for floor drains near the toilets, providing for "point of need" coverage to counter an overflow situation yet even these may not be located quite properly in the final analysis. The slope of the floor comes into big play here. All too many times, those performing the operations necessary to set the slope and subsequent tile-work get it wrong even in the best of efforts.

Often I've seen a wide trough of standing water against the wall beneath banks of urinals and when the water does reach a level to which it can acquiesce to gravity or Bernoulli and will begin to drain, we have the 1" tiles that are ever so popular, impeding the flow to the prescribed floor drain and thus allowing large areas of floor surface to become wet for us to trod upon. Intuitively, floor drains need to be at or very near to the point of need for both a quick capture and, to prevent and limit the amount of foot traffic that comes into contact with the fluids. This means placing the floor drain very close to the wall where the urinals are located.

(Continued on Page 24)



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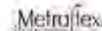
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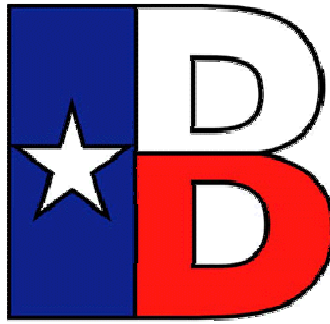
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TWO GLASSES OF WINE



When things in your life seem almost too much to handle, when 24 hours in a day are not enough, remember the mayonnaise jar and the 2 glasses of wine...

A professor stood before his philosophy class and had some items in front of him. When the class began, wordlessly, he picked up a very large and empty mayonnaise jar and proceeded to fill it with golf balls.

He then asked the students if the jar was full. They agreed that it was.

The professor then picked up a box of pebbles and poured them into the jar. He shook the jar lightly. The pebbles rolled into the open areas between the golf balls. He then asked the students again if the jar was full.

They agreed it was. The professor next picked up a box of sand and poured it into the jar. Of course, the sand filled up everything else

He asked once more if the jar was full. The students responded with an unanimous "yes." The professor then produced two

glasses of wine from under the table and poured the entire contents into the jar, effectively filling the empty space between the sand. The students laughed.

"Now," said the professor, as the laughter subsided, "I want you to recognize that this jar represents your life. The golf balls are the important things; your family, your children, your health, your friends, and your favorite passions; things that if everything else was lost and only they remained, your life would still be full." The pebbles are the other things that matter like your job, your house, ASPE and your car. The sand is everything else; the small stuff. "If you put the sand into the jar first," he continued, "there is no room for the pebbles or the golf balls. The same goes for life. If you spend all your time and energy on the small stuff, you will never have room for the things that are important to you." "Pay attention to the things that are critical to your happiness. Play with your children. Take time to get medical checkups. Take your partner out to dinner. Play another 18. Do one more run down the ski slope. There will always be time to clean the house and fix the disposal. Take care of the golf balls first; the things that really matter. Set your priorities. The rest is just sand."

One of the students raised her hand and inquired what the wine represented. The professor smiled. "I'm glad you asked. It just goes to show you that no matter how full your life may seem, there's always room for a couple of glasses of wine with a friend."

Share this with a friend. I JUST DID!



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2011 Calendar of Events

JANUARY 2011

Jan 01, 2011 – Request for Abstracts for 2011 Product Show.

Jan 30, 2011 – Early Registration for 2011 Product Show ends.

Jan 25, 2011 Ft. Worth

Jan 26, 2011 Dallas

FEBRUARY 2011

Feb 22, 2011 Ft. Worth

Feb 23, 2011 Dallas

February 18th & 19th, 2011 – Advanced Plumbing Design (TDIndustries) - tentative

MARCH 2011

March 01, 2011 – Begin Accepting 2011 - DFW ASPE Scholarship Applications

March 11, 2011 – ASPE/ASHRAE Clay Shoot (Charles Crawford) -tentative

March 22, 2011 Ft. Worth

March 23, 2011 Dallas

APRIL 2011

April 2, 2011 – ASPE National Grass Roots Meeting (Chicago) -tentative

ASPE Casino Night – April 16, 2011 (Saturday Night 6 – 9 p.m.)

April 26, 2011 Ft. Worth

April 27, 2011 Dallas

April 29 & 30th, 2011 Satellite Chapter Advanced Plumbing Class (Lubbock, TX or Little Rock)

MAY 2011

May 06, 2011 - ASPE Scholarship Application Due

May 13, 2011 - ASPE Spring Golf Classic (2nd Friday of May)

May 24, 2011 Ft. Worth (Officer Elections)

May 25, 2011 Dallas (Officer Elections)

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Lubbock, Texas Chapter News

Lubbock Chapter News

The 2011 meeting programming for our members and friends in the Lubbock satellite chapter is well under way. Our February 8 meeting will see Pat Schrum with Park Environmental giving his presentation on interceptor regulations. The May 17 meeting will see a first for the Lubbock group as we will be joined by the local ASHRAE (American Society of Heating, Refrigerating, and Air Conditioning Engineers) chapter in a combined meeting with Skip Roberts of Tigerflow outlining the requirements of NSF 61.

Additional programs are in the works as of this newsletter publication for the meetings on August 9 and November 8. Watch the DFWASPE.org website for program material as it becomes available. As always, if you are in the Lubbock area on any of these dates make it a plan to attend the meeting at the LakeRidge Country Club around 11:30 am. No reservations required.

Jim Vertz, Chris Garcia
Lubbock Ambassadors

Meeting Reports:

On Tuesday, November 9, 2010 the chapter meeting was called to order at 11:30 am at the Lakeridge Country Club. Jim Vertz presided at the meeting representing the Dallas/Ft. Worth ASPE chapter. 15 persons were in attendance with 4 affiliates, 2 code officials, and 9 engineers and designers.

After lunch the meeting was called to order and a self introduction of attendees was conducted. Jim gave an overview of what the Lubbock chapter can expect from the DFW chapter in meeting programming and site location. Highlights from the National ASPE Convention were presented including several important bylaw changes. Jim indicated that 4 meetings were scheduled for 2011 along with a technical seminar and possible social event.

Paul Tully from Charlotte Pipe and Foundry presented a side and narrative presentation on "A Comparison of Cast Iron Soil Pipe and PVC Pipe for Commercial DWV Applications". Based upon the number of questions from the members the program was very timely and well received. Thanks to Charlotte Pipe and Foundry for sponsoring the meal for the engineers and designers present.

A copy of ASPE Book of Tables was given as a door prize to Scott Hensley with Parkhill, Smith, and Cooper. The meeting was adjourned at 1:00 pm.

Upcoming Dates:

February 8, 2011

Park Environmental: Pat Schrum will be our guest speaker presenting "Regulations and Applications for Interceptors". Location - Lakeridge Country Club; Time 11:30am – 1:00pm.

May 17, 2011

Combined meeting with ASHRAE Chapter. Tigerflow Systems, Inc.: Skip Roberts will be our guest speaker presenting NSF 61 and low lead requirements. Location - Lakeridge Country Club; Time 11:30am – 1:00pm.

August 9, 2011

Watts: Elbert McKinlay will be our guest speaker presenting "Flood Protection Valves for RPZ Backflow Preventers". Location - Lakeridge Country Club; Time 11:30am – 1:00pm.

November 8, 2011

Containment Solutions Inc.: Stephen Bethea will be our guest speaker presenting "Rainwater Harvesting – Proper Storage and Management Techniques". Location - Lakeridge Country Club; Time 11:30am – 1:00pm.

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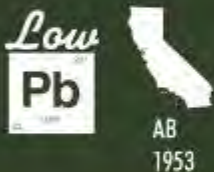
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(Continued from Page 1)

Please check out our Calendar of Events on our website at www.dfwaspe.org. We have lots of events coming up.

If you have not gone out to the ASPE national website (www.aspe.org) then you are missing out. Check out the National Website and update your contact information. Have you received the new ASPE Pipeline newsletter? This is a great step in the right direction for National and we are excited about the future of ASPE. We must all do our part to make our chapter successful. I want to thank all that have been involved with volunteering for the board and providing support in other ways to our Chapter.

DFW ASPE Ambassador Program

We currently have 4 satellite areas where we are working to secure a solid base of support and participation. The areas are:

• **Lubbock (High Plains) Chapter – Ambassadors are:**

o Chris Garcia of Purdy-McGuire (cgarcia@purdy-mcguire.com)

o James Verts of Black & Veatch (vertzjr@bv.com)

o **Tulsa Chapter – Ambassadors are:**

Kelvin Kennedy of Aguirre Roden

(kkennedy@aguirreroden.com)

Oklahoma City Chapter – Ambassadors are:

o Bryan Hutton of Lubrizol (bryan.hutton@lubrizol.com)

o **Little Rock Chapter – Ambassadors are:**

o Dennis Wilson of Aguirre Roden (dwilson@aguirreroden.com)

James Walls of CISPI (cispi@flash.net)

Thank you to everyone that is assisting us in the endeavor. We have had great support from several members and affiliates in all of the regions and we thank you for your above and beyond effort.

We want to continue to thank our existing and look for additional volunteers to help

make our chapter stronger. If you are interested in volunteering to help the chapter, please contact me at bryan.hutton@lubrizol.com.

Bryan Hutton,
Lubrizol – FBC Building Solutions.

P.S. I am leaving you with my favorite reading. I want to ask that you read “Two Glasses of Wine” and reflect on your life today. Then work on your goals and targets for tomorrow.

P.S. I am leaving you with my favorite reading on Page 8. I want to ask that you read “Two Glasses of Wine” and reflect on your life today. Then work on your goals and targets for tomorrow.



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**ASHRAE & ASPE Dallas/Fort Worth Chapters
Combined Sporting Clay Tournament
Friday, March 11th 2011
11:30 AM to ~4:00 PM**



American Society of
Plumbing Engineers



**Elm Fork Shotgun Sports
10751 Luna Road
Dallas, Texas 75220
www.elmfork.com**



Enjoy an afternoon having lunch and shooting sporting clays with the ASHRAE Dallas & Fort Worth Chapters and the ASPE Dallas/Fort Worth Chapter. This event will bring together professionals from three great Texas chapters with members, non-members and vendors welcome.

The cost is **\$125** per person and includes BBQ lunch and shooting fees. Beginners are welcome and a brief safety & instruction course will be held prior to shooting. Shooters are responsible for bringing at least 100 rounds of ammo and a shotgun. Shotguns are available for rent at the range and ammo can be purchased. Registration begins at 11:00 AM. Lunch will be served at 11:30 AM and the shooting starts at 12:30 PM.

Register online at www.dallas-ashrae.org before March 4th. You can pay online by credit card or bring a check payable to **ASHRAE Dallas Chapter**. All proceeds will benefit each chapter's research & promotion and scholarship programs.

The first 100 people registered will receive a free event t-shirt.

Individual Shooter \$125

Team (4 Shooters) \$500

Team (4 Shooters) & Corporate Sponsorship \$650

Corporate Sponsorship \$150

Contact Charles Crawford for corporate sponsorship details.

For questions or directions please contact:

Charles Crawford via email at ccrawford@victaulic.com or call (214) 676-4134.

(Continued on Page 4)

We see where toilets have inadvertently and on their own, with absolutely no help, overflowed and may drain across several stalls (sometimes occupied) or open floor before finding that targeted floor drain. I am thoroughly entertained with imagery when I walk into a public restroom that has three toilet stalls, half a dozen urinals, four lavatories and, one floor drain located in the geometric center of the space.

Should not the floor drains location be at or very close to the point of use, to prevent or at the very least limit the amount of foot traffic that comes into contact with the fluids? This would require placing the floor drain very near the wall where the urinals are located and ideally, one floor drain between each pair of urinals. In the case of toilets, I would think a similar concept is visited. Positioning floor drains between a pair of toilets whereby one drain serves two toilets and too, not much further from the wall than where a floor mounted unit might penetrate the slab. In laying out the restroom space in this way and with proper slope of the floor to the drains, we limit the foot traffic and tracking of this water to other areas.

Think of it this way and from a public health standpoint: You are traveling and wearing your most comfortable pair of \$300 dress to impress loafers. There is a need. The soles on your loafers are extra soft for comfort but do, it just so happens, want to soak up anything mildly wet that you step in, like that eighth inch of water you are about to stand in at the urinal. Remember too that you are going to use your hands at some point to take them off, polish them, put them on, or what have you. How careful are you with where you put your hands afterwards or do you actually wash up.

However, in the immediate scenario back at the airport, you are going to walk out of the restroom with your newly wetted soles. Maybe your feet begin to feel damp through your

socks by the time you get to your seat in the waiting area. Where you and others have trod a similar path in repetition, children are on the floor playing or teenagers are stretched out for a nap in their headphones. For the guy who enjoys making lots of noise at the urinal or standing over the toilet...these fixtures with trap seals will and do splash back and, typically right onto you. Something to think about next time junior is grabbing onto your leg to hang onto "Dad", just before coming down with something the pediatrician cannot identify.

Ladies, just think about it as it applies to you. How dry is that floor? How clean is that floor? Was it 180-degree F water with lots of Pine Sol added, as the last thing that wetted the floor or was it something else on its way to finding the target floor drain? None of this can be controlled in a public restroom like you can do at home.

Just a reminder, I did qualify this whole column by saying that this content would be less than delicate in its nature.

Things like obesity, prostate health, and urinary dysfunction all can come into play at the urinal when discussing the ability to hit the target? One really needs to be able to see and range the target. And that is about all I will say to that point. But in this same light, whatever happened to using floor mounted urinals? These are still being produced. They seem to make a lot of sense as a design solution in this dialogue. I recall from childhood going to the rail terminal in Topeka to meet grandparents as they travelled in to visit. In the men's restroom were these then seemingly massive porcelain edifices set in an ornately carved copper-green and white marble headpiece. The floors were bone dry and even as a child I knew that there was a fair pitch to the floor that decidedly fell away, to the floor drain tucked neatly between fixtures.

So the question still begs to be answered. Are we designing and constructing our public rest-rooms properly? As plumbing and engineering designers have we lost sight of design for the health safety and welfare of the end-user...the public, bowing to the poorly supported reasoning of other design entities and allowing shoddy control over construction rule the day? Are Codes and other regulatory ordinances forcing poor design?

Perhaps this is food for thought? Please... wash your hands first.

“Just A Thought....Or Three” is the non-syndicated column of random thought and musings by D.M. Wilson and in no way reflects policies and positions of the DFW Chapter of ASPE nor those of the ASPE National Society.

AMERICAN SOCIETY OF PLUMBING ENGINEERS
Dallas / Fort Worth Chapter
Dallas, TX – Educational Opportunity
ADVANCED PLUMBING DESIGN COURSE

TOPICS:

Advanced Plumbing Design:

Friday, March 4, 2011

- Rainwater Harvesting Systems
- Grey Water Systems

Saturday, March 5, 2011

- Solar Water Heating

TIME:

Friday, March 4, 2011
Saturday, March 5, 2011

9:00AM – 4:30PM
8:00AM – 4:30PM

LOCATION:

TDIndustries
1385 Diplomat Drive
Dallas, TX 75381

DFW ASPE will be providing in Partnership with TDIndustries “Advanced Plumbing Design II Course”. Classes will begin at 8:00AM on both days and will consist of a total of 16 hours of training. Breakfast & Lunch will be included. Each attendee will receive a Copy of the DFW Advanced Plumbing Design Student Handbook and a certificate for 1.6 CEU’S or 16.0 REU’S.

COST:

Cost will be \$175.00 for ASPE Members and \$ 275.00 for non-ASPE Members. Special rate of \$300 is being offered for anyone who would like to take the course and join our local DFW ASPE chapter. In addition, there will be a special \$50 Rate for Students. This will include the class and membership into the ASPE organization.

INSTRUCTORS:

Rod Hyatt, Solar Product Manager North America of Heat Transfer Products will be our instructor on Saturday. Ed brings 16 years of solar product and brings a wealth of practical experience at all levels of solar design and implementation — from small cabin power systems to large, complex heating and hot-water applications.

Chuck Stewart, of Jay R. Smith Mfg. Co. will be instructing portions of the class on Friday. Chuck has worked at Jay R. Smith for 23 years. He is currently the Products Manger for Rainwater Harvesting, Siphonic Roof Drain, Boss Tee® and Grease Gard® products. Prior to his current position he was the Manager of Sales Administration for 8 years and before that, 13 years as Senior Product Designer and Senior Sales Engineer in their Engineering Dept..

Application:

Contact Larry Bartlett, VP Technical – DFW ASPE for Application and More Information on the Class.
Phone (972) 888-9355

The class has a limited capacity, so send in your application as soon as possible. Full refunds will be made up to one week prior to beginning of class.

AMERICAN SOCIETY OF PLUMBING ENGINEERS

Dallas / Fort Worth Chapter

Dallas, TX – Educational Opportunity

ADVANCED PLUMBING: CPD Preparation Course

TOPICS:

CPD Preparation Day 1 01:00PM – 05:00PM Saturday, March 26, 2011

- CPD Exam Experience Review
- Math Review

CPD Preparation Day 2 08:00AM – 04:00PM Sunday, March 27, 2011

- CPD Exam Review of following Subjects
 - Formulas, Backflow, Domestic Hot Water, Domestic Water, Drainage, Expansion, Flow in Drainage, Interior, Drainage, Key Numbers, Pumps, Site, and Sumps

CPD Preparation Day 3 01:00PM – 05:00PM Saturday, April 2, 2011

- Mock Exam

CPD Preparation Day 4 08:00AM – Until Sunday, April 3, 2011

- Mock Exam Overview

LOCATION:

Location To Be Determined Shortly

DFW ASPE will be providing the “Advanced Plumbing: CPD Preparation Course”. Don Taylor CPD will be combining to produce a 4 part class. This class will be our only Advanced Design Class in 2011. Lunch will be included on Sundays. Refreshments and snacks only on Saturdays. Each attendee will receive a DFW ASPE Handbook and a certificate for 1.6 CEU’S or 12.0 REU’S. In addition, students will have the opportunity to purchase the ASPE Book of Tables as part of the class for only \$100.

COST:

Cost will be \$100.00 for ASPE Members and \$ 250.00 for non-ASPE Members. Special rate of \$275 is being offered for anyone who would like to take the course and join our local DFW ASPE chapter. In addition, there will be a special \$50 Rate for Students. This will include the class and membership into the ASPE organization. Special \$0 rate for anyone who is an ASPE member living in a satellite area of DFW ASPE that chooses to attend this session in DFW.

INSTRUCTORS:

Donald Taylor CPD of The Benham Group. Don is a member of the DFW ASPE Chapter who has been designing systems for over 11 years. Don began his plumbing career in Houston and was a contributor to the Houston Chapter serving on the Board of Directors in several capacities and instructing the Houston CPD preparation course in previous years. We are excited to have Don participate in our course and become a member of the DFW ASPE Family.

Application:

Contact Donald Taylor – CPD Instructor for DFW ASPE Chapter for Application and More Information on the Class. Phone: (405)607-6172 email: donald.a.taylor@saic.com

AMERICAN SOCIETY OF PLUMBING ENGINEERS
Dallas / Fort Worth Chapter

March 26, 27, April 2 & April 3
ADVANCED PLUMBING: CPD Prep Course

Name: _____
(Last) (First) (MI)

Employer: _____

Address: _____
(Street)

(City) (State) (ZIP)

Work Telephone: () - Cell: () -

Email Address: _____

Member ASPE: (YES / NO) Member No: _____

- Yes, I am an ASPE member and I am enclosing my \$100 application fee.
- Yes, I am a student and would like to attend the advanced design class. In addition I would like to become a member of the DFW ASPE chapter and I am enclosing my \$50 application fee. (If applicable, _____ is sponsoring me.)
- Yes, I am a member of ASPE and I reside in a Satellite area of the DFW ASPE Chapter. Please enroll me in the course at a cost of \$0 and attached is my Chapter Affiliation Change where I am adjusting my membership affiliation to the DFW ASPE Chapter.
- No, I am not an ASPE member, but I would like to become a member of the DFW ASPE chapter and am enclosing my \$275 application fee.
- No, I am not a member of ASPE and I only want to participate in this Plumbing Design course and am enclosing my \$250 application fee.

MAKE CHECKS PAYABLE TO: ASPE DFW CHAPTER

Please provide email confirmation of your intent to participate in the class to:

Donald Taylor donald.a.taylor@saic.com

Mail Application and Payment to:

DFW ASPE

C/O Larry Bartlett, VP Technical

PO Box 35381

Dallas, TX 75235-0381

Phone: (972) 888-9355 Email: larry.bartlett@tdindustries.com

The class has a limited capacity, so send in your application as soon as possible. Full refunds will be made up to one week prior to beginning of class.

AMERICAN SOCIETY OF PLUMBING ENGINEERS
OKC Satellite Chapter of DFW
OKC, OK – Educational Opportunity

ADVANCED PLUMBING: CPD Preparation Course

TOPICS:

CPD Preparation Day 1 **08:30PM – 12:30PM** **Sunday, March 13, 2011**

- CPD Exam Experience Review
- Math Review

CPD Preparation Day 2 **08:30AM – 04:30PM** **Sunday, March 20, 2011**

- CPD Exam Review of following Subjects
 - Formulas, Backflow, Domestic Hot Water, Domestic Water, Drainage, Expansion, Flow in Drainage, Interior, Drainage, Key Numbers, Pumps, Site, and Sumps

CPD Preparation Day 3 **12:30PM – 04:30PM** **Saturday, April 9, 2011**

- Mock Exam

LOCATION:

**One Benham Place
9400 North Braodway Suite 300
Oklahoma City, OK. 73114**

Don Taylor CPD will be combining to produce a 3 part class. This class will be our only Advanced Design Class in 2011. Lunch will be included on Sunday. Refreshments and snacks only on Saturdays. Each attendee will receive a handbooks and study materials. Please bring writing utensils, scratch paper and non programmable calculators.

COST:

Cost will be \$100.00 for ASPE Members and \$ 250.00 for non-ASPE Members. Special rate of \$210 is being offered for anyone who would like to take the course and join our local DFW ASPE chapter (with OKC satellite). In addition, there will be a special \$50 Rate for Students. This will include the class and membership into the ASPE organization.

INSTRUCTORS:

Donald Taylor CPD of The Benham Group/SAIC. Don is a member of the DFW ASPE Chapter who has been designing systems for over 11 years. Don began is plumbing career in Houston and was a contributor to the Houston Chapter serving on the Board of Directors in several capacities and instructing the Houston CPD preparation course in previous years. We are excited to have Don participate in our course and become a member of the DFW ASPE Family.

Application:

Contact Donald Taylor - ASPE OKC Satellite Chapter for Application and More Information on the Class. Phone: (405)607-6172 email: donald.a.taylor@saic.com

