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*For More Details
See Pages 18 & 19!!!*

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12 sprinklers	12 sprinklers	12 sprinklers	2000 sq. ft.	15 sprinklers (1500 sq. ft.)	6 sprinklers (3 sprinklers on 2 lines)
1200+ gpm	1200+ gpm	1200+ gpm-UL 1352+ gpm-FM	1600+ gpm	1200+ gpm	Sys. demand 828+ gpm
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FEB. 2009

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From the President's Desk

Dear Members:

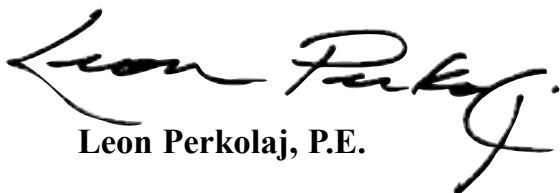
Eighty Nine attendees gathered last month to hear Warren Liebold's informative presentation on water meters. For those of you who could not make the meeting the presentation is available. If you would like a copy please contact an ASPE Board member.

Eva Caushi was the latest NYC member to receive a reimbursement check. Congratulations Eva! If this program interests you please see the form in the newsletter for additional information and details. Waiting in the wings for their reimbursement check are Stephanie Giorgio, Peter Ralph Lantin, and Ernest Gallo. We welcome the latest members of the NYC ASPE chapter: Ms. Virginia Guillian, Ms. Lucky Ng and Mr. Morton M. Hirsch, P.E.

The Holiday Party is set for December 2nd and if you are a NYC Chapter member you should attend – it's free for card carrying members. Last year's party was memorable and I am sure that this year's will be as well. I hope to see you, and your membership cards, there. Please remember to thank the vendors and the manufacturer's representatives for their support. Topics for the meetings to follow the gala December event are tankless water heaters on January 6th and foam suppression systems on February 3rd.

By the time you read this Thanksgiving will have passed, you may still be eating leftovers and December will be upon us along with all of the associated joys of the season: Owners and Clients asking for their projects to be completed before the end of the year, trying to close books, the mad rush to use (and hopefully enjoy) vacation days, dealing with the life-blood of NYC's economy – Tourists - especially on Wednesday/matinee day and last but not least the frenzy of the Holidays and all that is associated with them. Here's hoping that you, your families, friends, co-workers, and the planet for that matter, take a moment or two to reflect on the good things in this life instead of getting caught up in the nonsense which often surrounds us, life is too short. My thanks to all of you for your continued support of the NYC ASPE chapter and my thanks also go out to the Board both old and new for making the chapter what it is. Happy Holidays to you all and wishes for a happy, healthy and prosperous New Year.

Best Regards,


Leon Perkolaj, P.E.

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November Meeting Minutes

Minutes from the November 4, 2009 meeting of the NYC chapter of ASPE.

6:30pm – The meeting was called to order by Domenic Agostino president of ASSE. Domenic welcomed everyone for coming out to the meeting and thank our sponsor Harper International. He then thanked Warren Liebold from DEP for being our speaker. He then introduced Marco Barbera.

6:35pm – Marco Barbera, Membership V.P., was introduced. Marco also welcomed and thanked everyone for coming out. Marco thanked Vincent Rotoli, Legislative V.P., of the idea to have an ASPE membership reimbursement program. We now have issued our fourth reimbursement check to Ava Caushi. Marco confirmed and restated how this program works for all new members. Marco then introduced past ASPE president Hershel Weiss.

6:40pm – Hershel Weiss welcomed back Warren Liebold of DEP. Warren is the Director of Metering Conservation. Warren has designed and managed New York City's water meter installation and many more programs. Warren is the individual that our members reach out to when we have a technical question. Hershel then introduced Warren Liebold.

Note: the following is not a verbatim translation of the presentation, rather some general points of discussion.

Warren Liebold wanted to give this presentation because the water metering industry is beginning to show signs of change in innovation. Warren is in the position of having to deal with occasional, unusual or different installations. In theory engineers should file all new meters with DEP. If an architect is providing adequate space for the meters there should not be a problem and if the plumber knows what he is doing. If space is tight and the plumber is not experienced enough it can create additional costs during construction.

Recent changes in water meter technology have changed over the last ten years. They make it easier for the design professional or plumber, but you have to understand them. Metering has become increasingly important for customers who collect electricity, gas and water use. Meter type and even model may affect plumbing design, physical layout and system energy use. There are differences, not meaning good or bad, but differences that you buy into when you select a particular meter. You should know the differences that you buy into when you select a meter rather than indicating '*NYC approved water meter here*'.

Water meter technologies fall into five general categories:

1 - **Positive Displacement Meters:** Provide a direct measurement of water flow, maintains high accuracy with little or no maintenance over 10-20 years. However has a high pressure drop at high flow rates and is limited to about 100gpm(2") and best up to 50gpm(1"). This meter can be installed inclined, horizontal or vertical. Most common technology used for small residential and commercial and is the most inexpensive (\$75 - \$500). Lay lengths and widths are standard and all have an internal strainer.

2 – **Turbine Meters:** "Inferential meter" – where the flow rate is proportional to turbine rotational speed. These models with a horizontal turbine require a strainer and 3-7 pipe diameters of straight pipe length before and after meter to provide non-turbulent flow. One manufacturer (Hersey) manufactures a vertical turbine that does not require straight pipe runs and has an internal strainer. The primary application is for systems with house pumps or booster pumps providing 5-10gpm minimum flow. The calibration should be checked every year.

3 – **Compound Meters:** Hybrid of positive displacement and turbine meters and for applications with very wide variations in flow rate. There are two registers and problems with either one compromises the accuracy of the reading. They have a dozen moving parts, and requires annual maintenance. They have a Low-to-high-flow change over valve subject to wear and loss of accuracy at change over point (about 15gpm). These meters are being replaced by single-jets, magnetic meters and even newer models of turbine meters.

4 – **Single Jet Meters:** Single-register meter with flow range almost as large as a compound meter. However they do not require straight pipe runs or strainers. They must be installed level in the horizontal position.

5 – **Electric Meters:** These meters operate on Faraday's principle. They have been long available for industrial applications. One manufacturer has meters that provide utility-standard output and a wide flow range similar to compounds and single-jet meters. They have a very low pressure drop and have flexible installation configurations (horizontal, inclined or vertical). Straight pipe before is preferred but impact is only 1-2% accuracy loss.

Fire protection and meters: "Combination Services" 3" or larger with one meter must use a Fire Service Meter. NFPA and AWWA have been generally silent on services smaller than 3" although there has been a proliferation of sprinklered residential properties. Positive displacement meters are not suitable for applications with any fire protection sprinklers. Meter manufacturers are having their meters undergo FM/UL qualification tests for FM approval (hersey vertical turbine, Elster evoQ4).

Data Collection: Sensus Omni turbine and compound meters are dual output registers: absolute encoder output for the water utility, 4-20ma for the building automation system Elster evoQ4 dual output.

DEP is Changing How Meters are Read: All meters being equipped with radio AMR devices. They are read 4-24 times a day. Each AMR device transmits to network of rooftop receivers incorporated into CoITT NYCWiN wireless network. They have a 98% actual read rate with 120,000 installations so far. DEP is implementing a 3-year program to upfit all of the city water meters. All readings will be available to owners through DEP's website (visual and download).

When Warren finished his presentation he opened up a Q&A session that continued for an additional 15minutes, answering many intuitive questions/scenarios.

Best Regards,



Salvatore S. Rachiele



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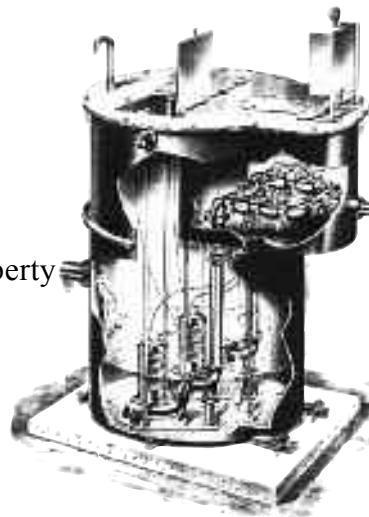
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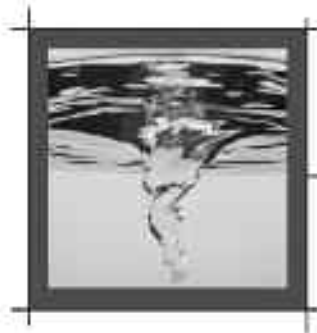


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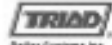
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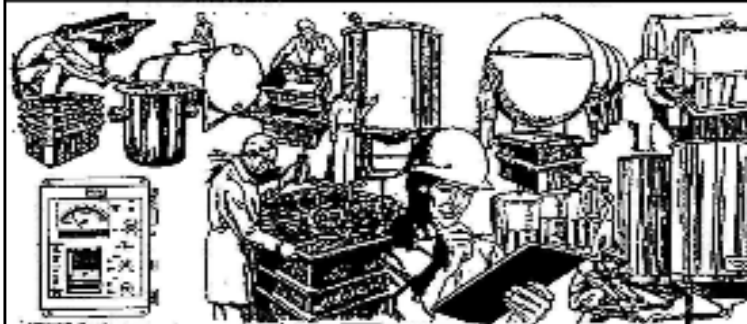
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Written by Allison Deerr, October 27, 2009

http://www.reevesjournal.com/Articles/Feature_Article/

Saving water is added benefit of sensor technology. Ah, technology!

Hands-free plumbing fixtures have come a long way since those early electronic models hit the market. The latest options in sensing devices and power sources are higher performance and efficiency. And, while hygiene, vandalism and maintenance issues still drive the installation of electronic faucets, flush valves and showers; water conservation is moving up the list of priorities.

Both the new construction and retrofit markets have dramatically shifted toward sensor technology according to Sean Martin, the vice president of sales and marketing, Zurn Engineered Water Systems in Sanford, N.C.: "If nothing else, the green movement has created an awareness within the specifying and contracting community of the growing mandate to conserve energy and water.

"When you look at the restroom, you have lower energy consumed, less maintenance involved with the product in the future, and lower water consumption," Martin said. "You're also seeing the incorporation of newer technologies, more sustainable technologies and new flush valves and sensor products that use significantly less energy than their typical battery counterparts."

Technology is having a major impact in terms of water and energy consumption within the building, especially as the users become more educated about these products, Martin added. "We send placards with our products to really educate the user. Let's say we're involved in the retrofit of a high-rise building. Putting those placards up actually allows the occupants to help take ownership," he said. "The placards will tell you how much water a particular fixture is consuming: 'This urinal is designed to operate on 16 ounces of water and it's saving 88 percent per flush.' Other information might include instructions on how to get a partial flush or full flush, giving them the option to reduce water consumption."

The electronics on the flushometer really don't save water; that's all controlled by the actual flushome-

ter mechanism, explained Rick Nortier, project manager for the Optima products offered by the Sloan Valve Co., in Franklin Park, Ill.

"It's the same mechanism as in the manual valves. The standard went from 3.5 gallons per flush before 1996 to 1.6 GPF. The newest standard for the high efficiency fixtures on water closets for a single flush or fixed flush is 1.28. With our sensor versions, if it sees a target for less than roughly 60 seconds, it flushes the reduced flush, which is 1.1 GPF; if you are there longer, it flushes the full 1.6."

The additional water savings with a sensor-actuated dual flush is because it takes the decision out of the user's hands, Nortier said. "As a side benefit for the user, and the facility, on a sensor-operated dual flush, we put two buttons on the cover for a courtesy flush. For that property owner, it sends a message; it advertises that this is something special. As with the solar panels, it sends the message that this person is doing the right thing; it's a green product."

The biggest role for the sensor faucet to play is still hygiene, said John Couture, vice president of engineering with Symmons in Braintree, Mass. "In these times, they are designing bathrooms so you literally don't touch anything—no doors, sensor toilets, sensor faucets, auto paper towel dispensers or air dryers. From a hygiene standpoint, it's leaps and bounds beyond that tap I have to turn on after you've turned it off."

While standard kitchen or lavatory faucets are mandated to flow 2.2 gallons per minute, with sensor faucets and metering faucets, "it's all a timing thing, gallons per minute—time versus flow rate. So when you look at sensor faucets, they are actually timed at a quarter gallon per cycle, Couture said. "Symmons units utilize a 1.5 GPM aerator, coupled with 10-second timed interval. From the conservation side, if you utilize a .5 GPM flow restrictor, which is common in a public space, you still have that 10-second cycle time, but you are essentially using one third of the water. The 1.5 at 10 seconds is good; the ½ gpm is that much better. From a conservation standpoint that's a refinement in this product."

Outlet restriction on faucets will have a bigger impact than being electronic or non-electronic, said Ken Martin, director of commercial business development, Delta Faucet Co. in Indianapolis. "For example,

if I take a normal faucet, which per the current federal regulations is restricted to 2.2 GPM at 60 PSI, and I slap a .5 GPM outlet on the end of it and make it electronic, it's going to save a lot of water.

"A metered or electronic faucet, equipped with automatic shutoff, will certainly help save water. I think electronics faucets overall are a little more reliable than the mechanical metering valve which has a number of inherent problems. Time cycles can be affected by water temperature, the pressure of the water, and debris in the line that gets into the mechanism. The electronic faucet is going to turn on when you're in the zone and go off when you leave it."

Taking control of the water flow from the user can save water in faucet, flush, urinal flush and shower applications, agreed Jim Bauman, director of commercial sales for Gerber Plumbing Fixtures in Woodridge, Ill. Because water rates are pretty expensive in many parts of the country, and the customer is charged by water usage and sewage usage, if you can reduce both, it means a lower demand on existing water and sewage treatment plants and reduces the need to build new facilities, Bauman said.

We've got the Power

New to the market or in the pipeline are products powered by hydrogenerator or turbine technology. These units score pretty high on the Cool Scale because they work by harnessing the inherent power of water flow through a faucet like miniature hydroelectric plants.

Delta Faucet will introduce its hydro-generation unit in late fall for all of its 6-volt units. "The challenge in developing hydroelectric-powered faucet is the need to store energy between infrequent uses of the product. We've developed a rechargeable battery," Ken Martin said. "If the faucet is used 18 times a day, water flow will provide enough energy to keep the unit running for 10 years or longer.

"If you are designing a new hotel or the lobby restrooms in a nice high rise, we can offer the designer a lot more options to work with. PST-equipped units will be available in 6-volt battery-operated versions and hard-wired units that can step down from 24 to 6 volts."

Zurn is introducing its turbine flush valves and

turbine faucets in November. The EcoVantage hydro-generator flush valve comes in 1.28 GPF dedicated valve or 1.6/1.1 dual flush valve models. "The baseline for hydrogenerator products is 10 years," Martin said. "In a building with 300 water closets and 300 faucets, that's significant savings in maintenance costs."

Sloan Valve recently introduced the SOLIS line with a solar panel that extends battery life by powering the IR sensor, taking that load off the battery.

"Depending on the application, we can get batteries to last seven years or even longer," Nortier said. Optimized to work in artificial and natural light, the solar panel signals the circuit that there are no lights on and it goes into sleep mode. "There's no sense in having the sensor look for a target in the dark." The SOLIS solar-powered flushometers come in single- and double-flush for urinals and water closets.

High-Tech Sensing

Sensors can optimize their power consumption, putting themselves into a sleep mode when there is low usage or no usage in the building, Sean Martin noted. "We're sensing the environment, sensing the usage patterns of the occupants, and consuming water around those patterns."

Symmons offers proprietary position-sensitive detection. "Our Position Sensitive Detection looks for a 5 percent bounceback, but concentrated in a certain location," Couture said, "It reduces the number of false activations, turns on less often and thus tends to reduce water consumption and wasted water." An intermittent signal lowers the current draw to maximize battery life.

Delta is introducing a new generation of proximity-sensing technology, called capacitance sensing, later this fall on its Arzo and Grail faucet styles. Delta's Proximity Sensing Technology turns the faucet into an antenna by forming a magnetic 4-inch field around the body of the faucet, Martin explained. "The end result for us is that you get a lot more reliable detection mechanism that gets away from all of the outside environmental interferences that you can run into. It also opens up some really interesting design opportunities; we no longer have to fit a design to a sensor."

Sloan Valve applies its Smart Sense technology to faucets, flushometers and urinals. For urinals, in a

high-traffic facility such as a stadium or airport, the sensor detects that there is a line of people and starts deferring the flushes, only flushing every 60 seconds for up to three minutes as long as there is a line of people, Nortier explained. “Once the line breaks, it will do a final flush. There are three levels of high efficiency for water-based urinals—1/8, 1/4 and 1/2 GPF—and we have fixtures capable of flushing down to 1/8 GPF.”

On the residential faucet side, Danze now offers the Parma gooseneck electronic kitchen faucet in both sensor and manual options, Bauman said. It uses the same technology on the Gerber faucet, but in addition to sensor-actuated flow control for handwashing, you can get temperature control on the side and choose manual for filling and automatic for rinsing. The prime market for this product is in high-end or “smart” homes, he added. Both Gerber and Danze have several new residential electronic plumbing products in the pipeline for next year.

One thing to keep in mind, said Delta Faucet’s Martin, “These products cost more to develop and more to make; and it’s a certainly a challenge in these hard economic times to sell to sell that long-term value proposition. What you’re trying to do is sell on the long-term cost justification to switch from manual to electronics, especially in a time when maintenance budgets and equipment budgets have been reduced. For a public facility it would definitely pay off over time.”

Council Blazes Green Trail

Written by: Steve Rypka

Source: Las Vegas Review Journal

The greening of modern society is under way and nowhere is it more important than in our homes. With more than 100 million homes in the U.S. there’s plenty of work to do, but the potential benefits are enormous. It’s a multifaceted transition: Lights and appliances are getting more efficient every year, renewable-energy systems are sprouting everywhere, utilities are beginning to build smart electric grids, and building codes are improving in many jurisdictions. Perhaps most importantly, people are changing their behavior.

Whether it’s about building new homes or improving existing ones, a green building tsunami is washing over the construction industry. Like the

proverbial rising tide that lifts all boats, green building benefits everyone. Unlike the tide, however, the lift provided by well-constructed or renovated green buildings is permanent. And while business-as-usual economics has stalled, greenonomics makes more sense than ever.

There is no greater catalyst for this change than the nonprofit U.S. Green Building Council, whose mission and vision is no less than the transformation of the multibillion dollar construction industry in a way that will “regenerate and sustain the health and vitality of all life within a generation.” Its Leadership in Energy and Environmental Design green building rating system has become a national benchmark for high-performance, healthy buildings. With nearly 20,000 member businesses, more than 100,000 LEED-accredited professionals and thousands of buildings positively influenced by LEED, its accomplishments are significant.

The Greenbuild International Conference and Expo is the USGBC’s signature event and will take place next week, Nov. 11-13, in Phoenix, Ariz. Details can be found at www.greenbuildexpo.org. If you’ve never attended one, let me tell you that the energy at a Greenbuild conference is palpable. Innovative products are on display, great ideas are shared and people are invigorated, infused and recharged with a meaningful sense of purpose.

This year’s keynote address will be delivered by former Vice President Al Gore, a man who is steadfast in his commitment to the environment. There is also an impressive and diverse array of master speakers on the agenda. A wide variety of workshops and educational sessions are planned and, of course, the show floor will be filled with thousands of interesting products and service providers.

This year’s event will include the Greenbuild 2009 Residential Summit, a good indication of the growing importance and influence of the residential green building market. The residential summit will include a separate keynote address, workshops and educational sessions guaranteed to be jam-packed with useful information. In browsing through the list of sessions, I’m saddened only by the fact that it will be impossible for me to attend them all.

If you’re a leader in the green building field, I’m sure you’ll be there. If you’re a leader in your busi-

ness or community, you should be there. For the many folks who seek information on greening a home or getting involved in the new green economy, this is an event worthy of your consideration.

We're fortunate to have organizations such as the USGBC. It's been working hard, building consensus, creating momentum and blazing a trail. Take advantage of the close proximity of this year's Greenbuild. Since it will be held in a desert city this year, it will bring special relevance to our region. We must continue to accelerate the shift toward the creation of sustainable communities and this is one way to help put the pedal to the metal. Get involved and get to Greenbuild in Phoenix next week. I hope to see you there.

Steve Rypka is a green living consultant and president of GreenDream Enterprises, a company committed to helping people live lighter on the planet. Steve can be reached via e-mail at steve@greendream.biz. More information relating to this column is posted at www.greendream.biz.

Office of the Secretary
U.S. Department of the Interior
News Release

Date: October 29, 2009

Contact: Joan Moody (Interior) (202) 208-6416

David Hebert (USGS) (571) 423-9412

***United States Using Less Water
than 35 Years Ago***

Assistant Secretary Castle Gives Atlantic Water Summit Keynote Address WASHINGTON, D.C.—The United States is using less water than during the peak years of 1975 and 1980, according to water use estimates for 2005. Despite a 30 percent population increase during the past 25 years, overall water use has remained fairly stable according to a new U.S. Geological Survey report.

Assistant Secretary of the Interior Anne Castle announced the report, Estimated Use of Water in the United States in 2005, as part of her keynote speech today at the Atlantic Water Summit in the National Press Club.

The report shows that in 2005 Americans used 410 billion gallons per day, slightly less than in 2000.

The declines are attributed to the increased use of more efficient irrigation systems and alternative technologies at power plants. Water withdrawals for public supply have increased steadily since 1950—when USGS began the series of five-year trend reports—along with the population that depends on these supplies.

“The importance of this type of data to the American public cannot be exaggerated,” said Assistant Secretary for Water and Science Anne Castle. “The Department of the Interior provides the nation with the best source of information about national and regional trends in water withdrawals. This information is invaluable in ensuring future water supplies and finding new technologies and efficiencies to conserve water.”

Nearly half (49 percent) of the 410 billion gallons per day used by Americans was for producing electricity at thermoelectric power plants. Irrigation accounted for 31 percent and public supply 11 percent of the total. The remaining 9 percent of the water was for self-supplied industrial, livestock, aquaculture, mining and rural domestic uses.

“Because electricity generation and irrigation together accounted for a massive 80 percent of our water use in 2005, the improvements in efficiency and technology give us hope for the future,” Castle said. “The report also underscores the importance of recognizing the limits of the drinking water supplies on which our growing population depends. While public-supply withdrawals have continued to increase overall, per capita use has decreased in many States during recent decades.

“These are just a few examples of why, if we want to understand and address the nation's current water issues and prepare to answer future water questions, we need the data provided in this report,” Castle noted.

The series of reports provides information valuable to states and water suppliers because the water-use estimates are broken down by state, source, and category of water use. California, for example, is one of four states—joining Texas, Idaho, and Florida — that accounted for more than one-fourth of all fresh and saline water withdrawn in the United States in 2005. More than half (53 percent) of the total withdrawals of 45,700 Mgal/d in California were for irrigation, and 28 percent were for thermoelectric power.

The largest uses of fresh surface water were power generation and irrigation, and the states with the largest fresh surface-water uses were California, Texas, Idaho and Illinois. The largest use of fresh groundwater was irrigation, and the states with the largest fresh groundwater uses were California, Texas, Nebraska and Arkansas.

The majority of irrigation withdrawals and irrigated acres are in the Western states, but significant increases in irrigation have occurred in some Southeastern states. Irrigation application rates have decreased steadily from 1950 to 2005. This decline is attributable to the increased use of more efficient irrigation systems.

The average amount of water withdrawn to produce a kilowatt-hour of electricity in the United States has decreased steadily from 1950 to 2005. This change is attributable to an increase in the number of power plants that use alternatives to once-through cooling.

Since 1950, the USGS has compiled water use information by state in cooperation with state, local and other federal agencies and organizations. The information reflects withdrawals from the nation's rivers, streams, lakes, estuaries and aquifers for major uses. The full report is available at <http://pubs.usgs.gov/circ/1344>. Additional water use information is available at <http://water.usgs.gov/watuse/>.

The Plumbing Foundation Report

Meeting of November 3, 2009

Written and Submitted by: Marco Barbera, P.E. (ASPE Liaison)

Apparently testing for licensure of plumbing and fire suppression contractors will occur outside the purview of the DOB's Department of City Administrative Services. A recent DOB RFP was issued for a private entity to be granted a contract to develop and provide the written and practical examinations of licensed plumbers and fire suppression contractors. According to sources it will take approximately 15 months before these "private entity" exams are ready. The last tests given by DCAS was September of 2009 thus making the "new" exams likely to appear no earlier than January of 2011.

Also of interest is the apparent non-requirement of an RPZ by the Boiler Division on boilers that have no water treatment. Somehow, logic would dictate that the use of such a boiler surge protection chemical additives would be extremely difficult to monitor on a regular basis. I am sure I speak for the entire industry as a whole, designers and installers, when I say that it should be an illegal and unacceptable condition to install or retrofit a boiler without an RPZ period! Why take a chance with the potential quality of the water feeding these lines?

Resulting from the Plumbing Foundation's meeting with the DEP on September 10th, the foundation is requesting further explanation or confirmation on several points. Will the BCS Division and Cross-Connection meet weekly and review plumbing plans? Hopefully, those weekly reviews will do much to eliminate conflict within the DEP. The Foundation and associated industry professionals would like to request copies of certain documentation currently internal to DEP, such as, a metering and turbine guideline, an annual report on implementation of the cross connection control program and its progress on a compilation of a list of all high hazard buildings. This report, by the way, was supposedly filed with the EPA in January of 2009! Why has this not been made available for review by the general public; let alone industry professionals??

The professional plumbing industry as a whole would benefit greatly, I am sure, by the formation of regularly scheduled, quarterly DEP plumbing related industry meetings. Also an explanation to the industry and to DOB regarding the extinction of "Tap Letters." It is the foundation's understanding that DOB is reporting that DEP still requires this letter. In point of fact, some borough offices still request a sketch. Are these sketches required for tap approval? Another concern is whether the Cross Connection unit has requested that floor drains no longer be required for double check detector assemblies?

Has the Cross Connection Unit explained to their review staff that 8-hour calculations for submersion of relief valves are still an acceptable design, regardless of the position of the house sewer trap? And finally, is the Cross Connection Unit implementing computer generated ECB violations for failure to perform annual certifications, or is it only issuing manually handwritten vio-

lations?

As usual, time and space limit my writing more but always remember folks that professionally designed and installed plumbing does indeed protect the health of the nation!

Announcement:

The Reliable Automatic Sprinkler Co, Inc. is pleased to announce the following changes in their sales organization.

John McNamara has been promoted to Vice President, Sales, reporting to **Kevin T. Fee**, Executive Vice President. John joined Reliable in January 1988 as the Regional Sales Manager for the Northeast. In July 2001, John was promoted to the position of Eastern Region Sales Director. Currently, John is based out of Reliable's Richmond, Virginia sales office.

Bobby Eagle has been promoted to Sales Director for Territory 2 and reports to John McNamara. Bobby joined Reliable in August 1995 as a Sales Representative and was promoted to Sales Manager and Regional Sales Manager in July 1997 and July 1998, respectively.

Tom P. Field is now the Sales Director for Territory 1 reporting to John McNamara as well. Tom joined Reliable as a Sales Representative in February 1996 and was promoted to Regional Sales Manager in July 2001.

Dan Merritt has been promoted to Southwest Regional Sales Manager covering Arkansas, Kansas, Texas, Oklahoma and Louisiana. Dan reports to Bobby

Eagle. Dan joined Reliable in November 2000 as a Sales Representative.

Brian Coyle has transferred his position of Mid-Atlantic Sales Manager to Northeast Sales Manager and reports to Tom P. Field. Brian is now based in Reliable's corporate office in Elmsford, NY.

Phil Linduska has joined Reliable as the new Mid-Atlantic Sales Manager in their Washington DC office. Phil graduated from the University of Arizona with a B.A. in Communications. Phil comes to Reliable with a commercial and residential sales background. His territory covers Virginia, the District of Columbia, Maryland and Delaware. Phil is currently living in Virginia and is very excited to be involved in the fire sprinkler industry.

Austin Adami has joined Reliable as a Regional Sales Representative covering Houston, Austin, San Antonio and Corpus Christi, TX. He is based out of the company's new Houston regional sales office and distribution center. Previously, Austin worked in the oil and gas industry and brings several years of sales experience to Reliable. He was a member of the football team and earned a B.A. from Southern Methodist University in Dallas. He now lives in Katy, TX.

Tom D. Field will remain with Reliable as Vice President and work on a number of significant projects designed to grow the business of Reliable as he has done so successfully over the past 31 years.

These changes are geared to service the fire protection industry even better than before.

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Wednesday, December 2, 2009

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350 5th Avenue at 34th Street at the Empire State Building

5:30 - 6:15 pm - Cocktails & Hor d'Oeuvres

6:30 - 9:30 pm - Buffet Dinner with Salad, Entree' & Sides

8:00 - 10:00 pm - Dessert, Coffee & Tea

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Annual ASPE & ASSE Holiday Social Reservation Form

**Include Form & Mail To: Philip Parisi or Vincent Rotoli at Jaros Baum & Bolles Consulting Engineers
80 Pine Street, 12th Floor, New York, New York 10005**

Name (Individual & Organization): _____

Phone Number: _____ **Email Address:** _____

Total Number Attending: _____ **@ \$50.00 Each = \$** _____

Please List names of Attendees if known at this time:

- | | |
|----------|----------|
| 1) _____ | 5) _____ |
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2. Bring the filled out registration form along with a check for the amount owed for registration (based on member type) to the next chapter meeting or mail it in to ASPE National at the address listed on the application.
3. Bring along the bottom portion of this page....find an ASPE board member to collect the application.. He will fill out the record card for your first meeting.
4. Attend 3 more meetings from the start date..at each meeting you attend, bring the card along in order to have it signed-off. (fill out the date and topic)
5. At the end of the technical presentation, have a board member sign-off the card.
6. Once you have attended 4 meetings, write your address on the back of the Record Card and leave it with a board member. You must also have your membership number (which you will have received from ASPE) filled out.

Your reimbursement will then be mailed to you.

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Member Name: _____ **Start date:** _____

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Meeting Record:

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1.			
2.			
3.			
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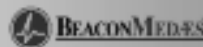
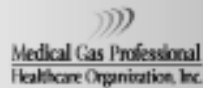
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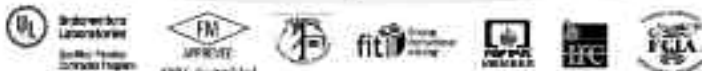
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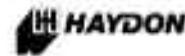
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The Society shall be open to anyone involved in, or having a special interest in, the design, specification or drawing of plumbing systems. **Dues:** Please choose the appropriate membership classification and remit dues with this application. In the event the membership classification is changed, a corrected dues statement (or dues overpayment refund) will be sent with your notice of election.

The required \$25 Application Fee (U.S. dollars) is nonrefundable. There is no application fee for student membership.

Membership Classifications

Membership classification (Grade) will be conferred based on Article II of the ASPE Bylaws as follows:

Full Member: Eight (8) years of experience in plumbing engineering or related engineering field, a minimum of four (4) years of which must have been in a position of responsibility for the design of plumbing systems or in a position of responsibility for the design of systems and components related to, or incorporated within, plumbing engineered and designed systems. A maximum of four (4) years of experience may be waived by the Society Membership Committee for: (a) Education: one-half (1/2) year for each completed year in a curriculum related to plumbing engineering; (b) Engineering Registration: four (4) years for Professional Engineer registration in a field that includes plumbing engineering; (c) CPD certification: two (2) years. Dues: \$185.

Associate Member: Professionals engaged in plumbing design as consultants or engineers with fewer than eight years of industry experience. Dues: \$165.

Affiliate Member: Any individual involved in the production or marketing of plumbing products. Dues: \$185.

Special Member: Professionals in related fields, such as contractors, or those with a special interest in plumbing design whose professional background do not match the requirements for any of the other categories may apply for Special membership. Dues: \$185.

Governmental Member: Anyone employed by municipal, state, or federal governments for one of the following reasons:

- Checking and/or inspection of plumbing plans and installations;
- The formulation of codes, rules, requirements and regulations pertaining to the planning, designing and installation of plumbing systems, or any portion of a plumbing system;
- Research and development of plumbing systems design criteria. Exception: Persons employed by a government agency for the purpose of designing and/or specifying plumbing systems, who shall be eligible to be Full or Associate members, provided they have fulfilled the experience required as outlined for each respective classification. Dues: \$185.

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Name of Institution	Course or Major	Date From	Date To	Graduation Date	Degree or Diploma
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PROFESSIONAL EXPERIENCE (This section must be completed as it affects membership grade classification. List chronologically, beginning with the present. Work description must be clear and concise: e.g., plumbing, piping, fire protection, HVAC, etc. Use additional sheet as necessary.)

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REFERENCES (References should be an engineering profession. ASPE members preferred. ASPE reserves the right to contact references.)

Name	Address	Telephone

Certification by Applicant

The undersigned certifies that all statements made herein are correct and, if elected to the Society, agrees to adhere to the Society's Bylaws and accept the Classification conferred by the Society. Upon becoming a member, the applicant will endeavor to advance the objectives of the Society and the plumbing engineering profession.

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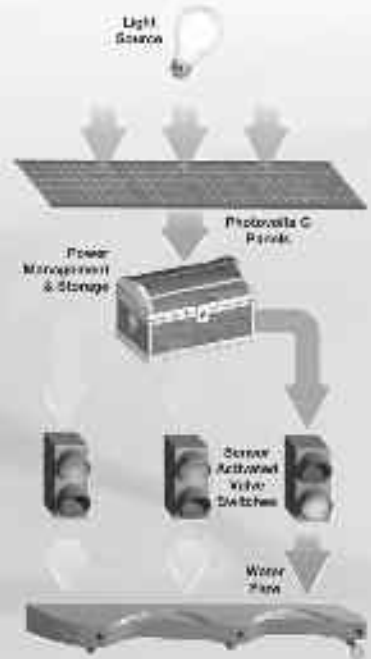
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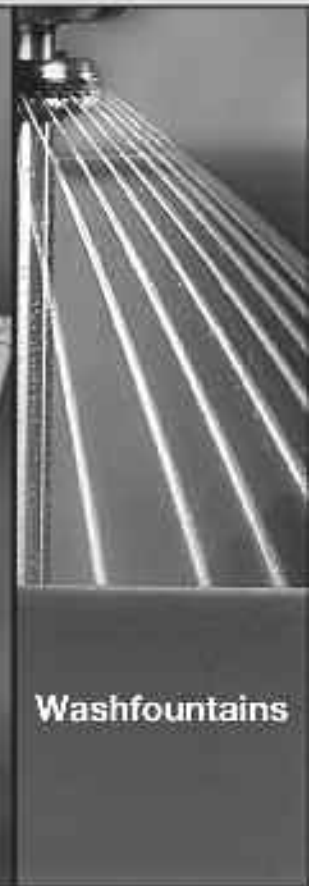
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