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OFFICIAL MAGAZINE

IAPMO to Participate at National Green Mechanical Educators and Trainers Conference

IAPMO is pleased to announce its participation in the upcoming National Green Mechanical Educators and Trainers Conference in Las Vegas, March 14-16, 2010.

Hosted by the Green Mechanical Council, this inaugural event will run concurrently with the 2010 National HVACR Educators and Trainers Conference, both taking place at the Tropicana Hotel.

IAPMO has been chosen to present three seminars at the National Green Mechanical Educators and Trainers Conference:

- Alternate Water Sources
- Commercial Hoods, Kitchen Ventilation
- Firestopping in Fire-Resistive-Rated Assemblies

These conferences are a train-the-trainer type of "boot camp," consisting of high impact sessions covering new and changing technologies, changes in federal legislation, energy efficiency, best practices, training techniques that work, green and sustainable technologies, industry exhibits and roundtable discussions.

"Whether it be at our own conference, events like this or our vital international training programs, such as our work in India, IAPMO is a name that has become synonymous with the highest quality education available in the fields of plumbing and mechanical systems," said GP Russ Chaney, IAPMO executive director. "It is always an honor for us to contribute to an event like the National Green Mechanical Educators and Trainers Conference."

For more information and/or to register for these conferences, please direct your Web browser to www.hvacexcellence.org/educatorsandtrainersconference.htm or www.greenmech.org/.

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Celebrate Plumbing on World Plumbing Day!

At its annual meeting in Centurion, South Africa, the World Plumbing Council confirmed details of the first ever World Plumbing Day which will be celebrated on 11 March 2010.

With the theme "Plumbing-Vital to Global Health", plumbing organizations throughout the world are invited to undertake a range of activities with the aim of raising awareness of the important role played by today's plumbing industry.

The World Plumbing Council has launched a special website for the Day. (www.worldplumbingday.org)

The site, which includes a list of suggested activities which plumbing organizations might wish to organize as part of their celebration of the Day, also contains a diary of events which have been organized and Facts Sheets on the importance of plumbing in relation to health and the environment.

WPC Chairman, Robert Burgon, comments "This is an exciting development for WPC and I hope that we can look forward to World Plumbing Day activities in many countries on 11 March 2010 and every year after."

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IAPMO R&T, WESTPAK, Inc. Form Solar Testing and Certification Partnership

IAPMO R&T, North America's premier plumbing and mechanical product certification agency, has reached a cooperative agreement with WESTPAK, Inc.; an arrangement that will greatly enhance IAPMO R&T's certification program for solar thermal products and Photovoltaics.

IAPMO R&T has been certifying solar thermal products to the requirements of the *Uniform Solar Energy Code*® (USEC) since the code was introduced in 1976, but with the more recent advent of Photovoltaic (PV) technology such cooperation with a solar testing organization has become paramount. WESTPAK distinguished itself as the best partner for this expansion of IAPMO R&T's certification services.

"We were already familiar with the technical expertise offered by WESTPAK in the area of PV and solar thermal," said Shahin Moinian, senior director of IAPMO R&T, "and our recent evaluation of laboratory candidates proved that WESTPAK and IAPMO R&T share a similar mission — providing the fastest, most credible service possible for the expedient introduction of products to the marketplace. We firmly believe that the cooperation between our two organizations will benefit manufacturers in the solar technologies arena."

This partnership, combined with the retention of preeminent engineers in the field of solar energy generation, further distinguishes IAPMO R&T as the third-party certification agency of choice for the solar industry throughout North America. It also makes IAPMO R&T the only certification body to offer certification to the requirements of the *Uniform Solar Energy Code*®, as well as standards including UL 1703, IEC 61215, SRCC OB-100, OG-300 and SRCC 100.

The USEC governs the installation, inspection and certification of solar energy systems and component products as a means of promoting the public's health, safety and welfare. It features provisions for performance, such as the requirements in the referenced standards, as well as the installation of solar equipment, including items such as heat exchangers, solar thermal and photovoltaic systems.

Since 1936, Authorities Having Jurisdiction have trusted IAPMO R&T to certify products that meet every required standard.

For more information on certification of solar products to the USEC, contact Shahin Moinian at Shahin.Moinian@IAPMORT.org or by phone at (877) 4UPC-MARK.

About WESTPAK, Inc.

WESTPAK, established in 1986, is a leading independent environmental testing firm with laboratories accredited by the American Association of Laboratory Accreditation (A2LA) in Northern and Southern California. WESTPAK specializes in product, reliability, distribution, packaging and related custom testing services for numerous industries, including solar, technology and medical device packaging. WESTPAK's ISO 17025:2005 accreditation includes various ASTM, ISTA and solar-related IEC test standards. WESTPAK delivers accurate and reliable test information to help customers make critical decisions in product/package performance, regulatory compliance, product development and certification. WESTPAK's philosophy is "Integrity is the priceless ingredient in testing."



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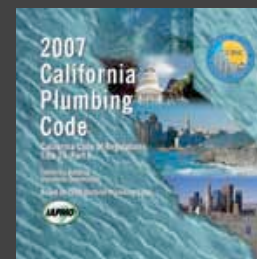
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Personnel certification and education: 800-SAVE-H2O (800-728-3426)



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IAPMO R&T Provides Certification for Bull Outdoor Barbecues

Bull Outdoor Products Inc. (www.bullbbq.com), Rialto, Calif.-based manufacturer of barbecues, fireplaces and fire pits, has tapped IAPMO R&T to provide mechanical product certification and listing services for Bull's entire line of outdoor built-in barbecues.

Bull Outdoor manufactures four gas-fueled barbecues that incorporate into 13 barbecue entertainment island designs, ranging from simple grills to sprawling models featuring refrigerators and CD players.

IAPMO R&T, North America's premier plumbing and mechanical product certification agency, will certify these barbecue elements to the ANSI Z21.58a-2008 / CSA 1.6a-2008 standard governing outdoor gas cooking appliances and once certified allow them to bear the UMC Mark of Conformity, an extremely recognizable and trusted label among Authorities Having Jurisdiction nationwide.

"It's important for a business like ours that our investment in certification be more than just basic satisfaction of a requirement — the listing actually needs to work for us," said Frank Mello, vice president sales and marketing for Bull Outdoor. "The UMC Mark does that by raising our products above those of our peers in a competitive marketplace."

Inspectors encountering the UMC shield during their fieldwork know there are no questions about the efficacy of the products that bear it.

"Our marks of conformity truly do speak for themselves and they're backed by the most attentive customer service any third-party certification body can claim to offer its clients," said Shahin Moinian, senior director of IAPMO R&T.

IAPMO R&T is ANSI-accredited to ISO/IEC Guide 65 and offers conformity assessment, quality assurance and continuous compliance programs. As the preferred listing agency of manufacturers, inspectors and Authorities Having Jurisdiction, the IAPMO R&T brand and its reputation for quality are unparalleled in the industry.

For more information on having gas-fueled barbecue products certified and listed, contact Shahin.Moinian@IAPMORT.org or (909) 472-4121.

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EWG Study Finds Hundreds of Pollutants in Nation's Tap Water

Source: *Environmental Working Group*

Tap water in many large metropolitan areas is polluted with a cocktail of chemical contaminants, according to a report by the Environmental Working Group (EWG). These pollutants usually don't violate any legal standards, but they often come in potentially toxic combinations that raise serious questions about the long-term safety of drinking the water. Pensacola, Fla.; Riverside, Calif.; and Las Vegas top the list of major cities with the most contaminated tap water.

In an unprecedented analysis of 20 million tap water quality tests performed by water utilities between 2004 and 2009, EWG found that water suppliers detected a total of 316 contaminants in water delivered to the public. Environmental Protection Agency (EPA) has set enforceable standards for only 114 of these pollutants.

Another 202 chemicals with no mandatory safety standards were found in water supplied to approximately 132 million people in 9,454 communities across the country. These "unregulated" chemicals include the toxic rocket fuel component perchlorate, the industrial solvent acetone, the weed killer metolachlor, the refrigerant Freon and radon, a highly radioactive gas.

"The nation's tap water has been compromised by weak federal safeguards and pitiful protection of drinking water supplies," said Jane Houlihan, Senior Vice President for Research at EWG.

By failing to clean up rivers and reservoirs that provide drinking water for hundreds of millions of Americans, EPA and the Congress force water utilities to spend heavily to make contaminated water drinkable. According to industry market studies, utilities spend more than \$4 billion a year on water treatment chemicals alone. Less than one-twentieth that amount is invested in source water protection and pollution prevention, an average of \$207 million a year.

"Utilities do the best job that they can treating a big problem with limited resources," said Houlihan, "but we must do better. It is not uncommon for people to drink tap water laced with 20 or 30 chemical contaminants. This water may be legal, but it raises serious health concerns. People expect better water than that, and they deserve it."

Federal law does not require tap water to be safe for long-term consumption; the long-term risks of cancer and other health threats are balanced against the cost and feasibility of purification. As a result, health officials acknowledge that legally binding contamination limits typically allow exposure to levels of pollutants that present real health risks. For hundreds of other contaminants there are no legal limits at all -- any amount is legal.

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Some communities have made the commitment to deliver safer water, with dramatic results. Boston had a serious contamination problem that peaked in 2004-2005. After installing a new filtration system and changing treatment techniques, the regional water system now delivers some of the highest-rated big city water in the country. It has also committed to a well-protected reservoir system, a key to preserving the long-term effectiveness of the new techniques.

Tap water contaminants come from a wide variety of sources. EWG's analysis revealed 97 agricultural pollutants, including pesticides and chemicals from fertilizer- and manure-laden runoff; 205 industrial chemicals linked to factory discharges and consumer products; 86 contaminants that originate in polluted runoff and wastewater treatment plants; and 42 byproducts of water treatment processes or pollutants that leach from pipes and storage tanks.

"In most U.S. households, pouring a glass of tap water means exposing families to hundreds of distinct chemicals and pollutants, many of them completely unregulated," said Houlihan.

Across the country, consumers are seeing higher bills for their water even as the number of unregulated pollutants, from pharmaceuticals to fuel additives, is also rising.

There is plenty of evidence that Americans already have doubts about the safety of their water. In March 2009, a Gallup poll found that Americans rank water pollution as their number one environmental concern. A startling 84 percent reported being worried "a great deal" or "a fair amount" about pollution in their drinking water.

As a result, millions of Americans have taken to buying bottled water in the misguided belief that it's safer, even though the source of many very popular brands is nothing more than treated tap water.

Until the federal government invests significant resources on modernizing infrastructure and enforcing tough safety standards, the only option left to most Americans is to filter their own tap water.

EWG's searchable database of water test results allows the public to check out the quality of the water in their community, and EWG researchers have also compiled an easy-to-use guide to water filtration systems currently on the market, giving consumers some help when deciding which one works best for themselves and their families. Available online at <http://www.ewg.org/tap-water>.

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New York Signs Backflow Prevention Requirement Law

On Dec. 9, New York City Mayor Michael Bloomberg signed a bill, Introductory Number 935-A, that codified into law requirements on the installation of backflow prevention devices. The bill also requires the Department to notify the owner of any building found to potentially require a backflow device and to report to the Council semi-annually on the Department's work regarding hazardous backflow.

"The City's drinking water is the best in the world. This results from the vision of City engineers in the past and the great work of the Department of Environmental Protection today," said Bloomberg. "One threat to the water supply with which the Department must contend is the "backflow" of contaminated water out of buildings into the public water supply system. Without the installation of a backflow prevention device, buildings such as hospitals, labs, and factories can create risks to the water supply system. The Department is in the middle of a rigorous inspection program to identify sites at which backflow prevention devices are required, but not currently installed."

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U.S. EPA Releases Annual Enforcement Results and Mapping Tool

The U.S. Environmental Protection Agency (EPA) has released enforcement results for fiscal year 2009, and has developed a new Web-based tool and interactive map that allows the public to get detailed information by location about the enforcement actions taken at approximately 4,600 facilities.

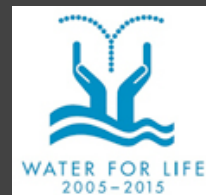
In FY2009, EPA concluded enforcement actions requiring polluters to invest more than \$5 billion on pollution controls, cleanup, and environmental projects. Civil and criminal defendants committed to install controls and take other measures to reduce pollution by approximately 580 million pounds annually once all required controls are fully implemented.

The new mapping tool allows the public to view the locations of facilities that were the subject of those enforcement actions on interactive maps of the U.S. and territories. The maps show facilities where civil enforcement actions were taken for environmental laws for air, water, and land pollution, and a separate map shows criminal enforcement actions.

Viewers can click on specific facilities to find historical information about specific enforcement actions, such as violations and monetary penalties. In addition, viewers can use the zoom function to find out which facilities are located near water bodies that are listed as "impaired" because they do not meet federal water quality standards.

EPA mapped the locations of more than 90 percent of the facilities that were the subject of enforcement actions last year. EPA did not map the locations of drinking water treatment plants due to potential security concerns.

For the past 10 years, EPA has described annual enforcement results by focusing primarily on two measures, the estimated pounds of pollutants reduced and estimated cost of commitments made by



defendants to control or reduce pollution. These measures vary significantly from year to year and are dependent upon the number of large cases that settle in a given year.

While these large cases are a vital part of our work to protect public health and improve compliance, they do not reflect the totality of the annual environmental enforcement activities, and do not capture the number and variety of enforcement actions taken to help clean up local communities. The new mapping tool will help increase transparency, improve access to data, and provide the public with the bigger picture of enforcement activity occurring in communities around the country.

More information: <http://www.epa.gov/compliance/resources/reports/endofyear/eoy2009/index.html>

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EPA Releases National Water Program Research Strategy to Advance and Broaden Research Partnerships

The U.S. Environmental Protection Agency (EPA) released its National Water Research Strategy to engage a broader range of researchers in meeting the challenges of protecting and improving our nation's water resources. The strategy identifies and promotes the research needs of EPA's national water program to potential partners.

The strategy outlines the water program's four research priorities: healthy watersheds and coastal waters, safe drinking water, sustainable water infrastructure and water security. Each priority also focuses on five technical areas: aquatic life health effects, human health effects, method development, occurrence and exposure, and treatment technologies and effectiveness.

The objective of the strategy is to diversify the science the water program uses to develop its regulatory and non-regulatory water management tools and decisions. Expanding the science base will expedite the production of the needed tools and help achieve faster and better-quantified water quality outcomes.

More information: <http://www.epa.gov/waterscience/strategy>

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E. Coli Found in Elementary School Water

Tests of the well water at the Melissa Jones Elementary School in Guildford, CT, showed a higher level of E. coli than regulations allow, reports the New Haven Register.

The school plans to have the well chlorinated, and is expected to have safe, clean water by the time students return from winter break. There have been no reports of any illnesses caused by drinking the contaminated water.

The cause of the high level of bacteria is thought to have been caused by the area's past agricultural uses.

"I think the feeling is it's from the historical agricultural use of the land in that area and fertilizer run-off, and waste run-off, because obviously in a well, you're working with groundwater and eventually anything in there works way into ground water," said school board Chairman William Bloss.

Read the article: <http://www.nhregister.com/articles/2009/12/23/news/shoreline/b1-guwater.txt>

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Industry Leaders Address Refrigerant Changes

Julius Banks of the EPA, Nick Strickland of DuPont, David Boyd of Appion, and Dana Shanower of the United Association will clarify the confusion about the Clean Air Act as it relates to refrigerants.

On January 1, 2010, equipment manufacturers will no longer manufacture equipment using HCFC R-22. In addition, the EPA will no longer allow production or the importation of HCFC R-22 in 2020.

There is a great deal of confusion about the Clean Air Act as it relates to refrigerants. To make certain that wholesalers, re-claimers, teachers and contractors understand the Clean Air Act, refrigerant changes and other pertinent issues, the ESCO Institute has recruited some of the industry leading voices in refrigerants and regulations to address these issues at the 2010 National HVACR Educators and Trainers Conference.

Monday March 15, 2010, Mr. Julius Banks, the Team leader and Program Manager for the United States Environmental Protection Agency National Refrigerant Recycling and Emissions Reduction Program will address a general session at the conference. Mr. Banks' office administers Section 608 of the Federal Clean Air Act. Section 608 gives the EPA the authority to regulate refrigerants, mandate certification for technicians, restricts the sale of refrigerants, covers leak repair provisions, set refrigerant reclamation requirements, set refrigerant recovery equipment requirements, and set the requirements for safe disposal of appliances.

Mr. Banks will cover changes to the Montreal Protocol — the more aggressive phase-out of HCFC's

including R-22, the domestic implementation including the new limits on production and importation of HCFC's, and what that will mean for persons who service HVACR equipment.

Tuesday March 16, 2010, Mr. Nick Strickland the Market Development Manager for DuPont ISCEON Refrigerants will address a general session at the conference. Mr. Strickland is responsible for U.S. strategy and execution for the R-22 Drop In category of refrigerants.

Mr. Strickland will be providing an important market update on the status of refrigerants including a regulatory update on the phase-out of HCFC-22. This can have major implications on the bottom-line for many companies. This session will also address the potential for additional climate change legislation and the probable impact on HFC's, the next generation of refrigerants, R-22 retrofit refrigerant options, and the specific implications for you and your customers / students.

Mr. David Boyd, Vice President of Appion Inc., will provide sessions on both days. Mr. Boyd will cover Changing to POE Oil with the New HFC's and it's Effect on System Efficiency. This program will give detail instruction regarding the instruments and process used to assure that a quality system evacuation is achieved. Systems that contain POE oils are dramatically affected by the integrity of system evacuation. The affects of a poor evacuation on system performance, system longevity, and system efficiency will be emphasized in detail. The presentation will also include how to dramatically speed the evacuation process (The greater the Flow - the Faster it will go) and accurately measure and verify a properly evacuated system ready for charging.

Mr. Dana Shanower the lead instructor for the United Association R-410A Train the Trainer program, will conduct sessions both days on how to teach R-410A refrigerant safety, handling, proper application, and retrofitting.

The National HVACR Educators and Trainers Conference is an industry sponsored event that will be held March 14-16, 2010 at the Tropicana Hotel in Las Vegas, NV. The conference offers sessions on: new and changing technologies, changes in federal legislation, energy efficiency, best practices, training techniques that work, and green and sustainable technologies. The conference is open to anyone in the HVACR industry interested in learning about new and changing technologies and better methods for training others. A full list of sessions, speakers and conference information is available at www.escoinst.com or by calling 1-800-726-9696.

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Industry Calendar

2010 International Builders Show

Jan. 19, 2010
Las Vegas, NV
www.buildersshow.com

ASHRAE 2010 Winter Conference

Jan. 23-27, 2010
Orlando, FL
www.ashrae.org/events/

2010 AHR Expo

Jan. 25-27, 2010
Orlando, FL
www.ahrexpo.com

PlumexIndia

Feb 5 - 7, 2010
Hyatt Regency
Mumbai, India
www.plumbexindia.in

ACCA Conference & Indoor Air Expo

Mar. 7 - 9, 2010
Tampa, FL
www.accaconference.com

ISH China 2010

Mar. 10 - 12, 2010
Beijing, China
www.ish.messefrankfurt.com

World Plumbing Day

Mar. 11, 2010

KBIS 2010

Apr. 16 - 18, 2010
Chicago, IL
www.kbis.com

Upcoming Seminars

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January 8, 2010	Bozeman, MT	2006 UPC with Montana Amendments
January 9, 2010	Wakefield, MA	Plumbers & Gasfitters Continuing Education for the Commonwealth of Massachusetts
January 14, 2010	Hays, KS	2009 UPC Transition from the 2006 IPC
February 5, 2010	Great Falls, MT	2006 UPC with Montana Amendments

February 6, 2010	Chicopee, MA	Plumbers & Gasfitters Continuing Education for the Commonwealth of Massachusetts
February 11, 2010	Ontario, CA	2007 CPC Fuel Gas Provisions & 2007 CPC Traps and Interceptors
February 12, 2010	Ontario, CA	Green Plumbing and Mechanical Concepts
February 25, 2010	Albuquerque, NM	2009 UPC Update
February 26, 2010	Santa Fe, NM	2009 UPC Update
March 4, 2010	Houston, TX	2009 UPC Update
March 5, 2010	Helena, MT	2006 UPC with Montana Amendments
March 14-16, 2010	Las Vegas, NV	2010 National Green Mechanical Educators and Trainers Conference
<p>Contact the IAPMO Training staff to register at 1-877-427-6601, or go to our website http://www.iapmo.org/Pages/Seminar.aspx to register online. New training dates are added periodically!</p>		

