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OFFICIAL MAGAZINE



## IAPMO releases 2011 Uniform Plumbing Code – India

An updated version of the *Uniform Plumbing Code – India*®, developed jointly by the International Association of Plumbing and Mechanical Officials (IAPMO) and the Indian Plumbing Association (IPA), is now available.

IAPMO CEO GP Russ Chaney announced the release of the *2011 Uniform Plumbing Code – India* on Nov. 18 during the 15th Indian Plumbing Conference in New Delhi. Originally introduced in February 2008, the *UPC-I* serves as the model code of plumbing installation and maintenance for the entire nation of more than 1.1 billion people.

Dan Cole, IAPMO's Technical Services supervisor, said the majority of changes from the 2008 edition come as a result of aligning the *2011 UPC-I* with the 2009 version of the *UPC*. English measurements were also removed, he said, and replaced with International System of Units (SI) equivalents. Additionally, the *2011 UPC-I* includes addendums related to copper plumbing products and systems; sewage pump stations and sizing of sump and pumps; and an alternative method of designing a single-stack vent system.

"The new version of the *Uniform Plumbing Code – India* is another step toward ensuring the Indian people are served by the most up-to-date set of codes governing plumbing practices and the installation and maintenance of plumbing and sanitation systems available," Chaney said.

IAPMO-India, the IPA and the Central Public Works Department (CPWD) of the Government of India signed a Memorandum of Understanding in 2009 in which the CPWD voluntarily adopted the *UPC-I* and implemented the Plumbing Education to Employment Program (PEEP) curriculum jointly developed by IAPMO-India and the IPA.

The updated version of the *UPC-I* is another example of the ongoing relationship IAPMO has with the IPA and of its strong cooperative presence in the nation.

In March 2011, IAPMO-India and the IPA announced the release of the *Uniform Swimming Pool Code – India (USPC-I)*. The code of practice covers the materials, installation and maintenance associated with

India (USPC-1). The code of practice governs the materials, installation and maintenance associated with swimming pool systems for India.

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## RPA to Join The IAPMO Group

The Radiant Panel Association (RPA) has reached agreement with the International Association of Plumbing and Mechanical Officials (IAPMO) to work together to expand a burgeoning market, furthering the goals and objectives of an important facet of the heating and cooling industry.

RPA and IAPMO have contracted for IAPMO to acquire key RPA assets, pending ratification of the agreement by the RPA membership. The RPA Board has voted to enthusiastically recommend that membership support the agreement for the expanded benefits it will promulgate on behalf of the industry. Aided by the assets acquired, IAPMO will be able to service the industry needs of the RPA membership as IAPMO does for the plumbing, mechanical, swimming pool, spa, hot tub and solar industries.

The manufacturers, distributors, designers, dealers and installers of radiant panel heating and cooling systems and components that are presently members of the RPA will have the opportunity to join IAPMO. With IAPMO, radiant panel industry members will take part in an expanded scope of activity symbolized by an updated logo created by IAPMO. The RPA seeks to facilitate communication and cooperation among those interested in the advancement of the radiant panel heating and cooling industry, primarily in North America. These efforts will now be led by IAPMO.

As the sponsor of the American National Standard-designated *Uniform Plumbing Code® (UPC)*, *Uniform Mechanical Code® (UMC)*, *Uniform Solar Energy Code® (USEC)* and *Uniform Swimming Pool, Spa and Hot Tub Code® (USPC)*, IAPMO members are dedicated to working in concert with government and industry for safe, sanitary plumbing and mechanical systems. In addition to product testing and listing services, IAPMO also develops standards, delivers technical education in support of its codes and standards, and certifies journeymen and inspectors.

Incoming members will immediately have the tenure of their RPA membership recognized in good standing by IAPMO, as well as receiving the added new advantage of becoming IAPMO members, with accompanying benefits including:

- A role in shaping the codes that govern the design, installation, methods and materials employed by the plumbing, mechanical and solar systems in our homes and businesses
- Access to a team of technical experts to provide answers and analysis
- Access to a team of education and certification professionals utilizing contemporary delivery systems
- Professional publications delivering timely news and critical technical information
- Expanded networking opportunities
- Enhanced visibility for the Radiant Professionals Alliance worldwide

IAPMO's desire to advance the mission of the RPA members after the RPA ceases to exist, and to maintain the services to which they have been accustomed is perceived as a win-win for the membership of both associations.

"The RPA has been a tremendous organization that has had a profound impact on the indoor environment industry, on hundreds of companies, and on many of us personally," said RPA President Dorothy Castagna-Biggs. "It has run a great course and changed the face of radiant floor heating in the United States. The vision lives on, but it is now being broadened and enhanced with the integration and shared learning across a multitude of products and systems. We believe that IAPMO will offer us the best path forward for continued success."

IAPMO Director of Program Development Kathleen Mihelich has been named to lead the new industry segment within IAPMO out of IAPMO's Chicago office in Mokena, Ill. For more information on IAPMO and the RPA, contact Mihelich at (708) 995-3003 or [kathleen.mihelich@iapmo.org](mailto:kathleen.mihelich@iapmo.org).

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## IAPMO R&T Offers Certification to Louisiana's New 'Lead-Free' Plumbing Law



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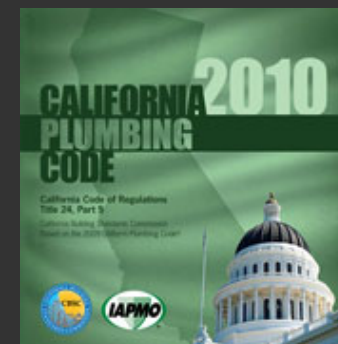
A subscription to Official is just one of the many benefits available to members of IAPMO, which include substantial discounts on most IAPMO publications and educational programs, the opportunity to update and improve the UPC and UMC, participation in local IAPMO chapters and an invitation to attend IAPMO's Annual Education and Business Conference. The conference offers superb educational seminars. Find out more at [www.iapmo.org](http://www.iapmo.org).

### DW&BP MAGAZINE



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The 2010 California Code books are now available for sale! IAPMO

On Jan. 1, 2013, Louisiana will join the growing list of U.S. states, counties and cities to strongly regulate the lead content within pipes, fittings and fixtures that come into contact with potable water. IAPMO R&T is already assisting manufacturers by offering certification to the imminent new mandate.

Louisiana House Bill HB.471 "prohibits the use, installation or repair, introduction into commerce, or selling pipes, fittings, fixtures, solder, or flux that is not 'lead free' when used for conveying water for human consumption." According to the bill, "lead free" is defined as not more than 0.2 percent lead when used with respect to solder and flux and not more than a weighted average of 0.25 percent when used with respect to the wetted surfaces of pipes and pipe fittings, plumbing fittings, and fixtures.

IAPMO R&T was one of the first third-party certification bodies in North America to offer listings to the various recently passed "low-lead" standards and laws. These include:

- Section 116875 of the California Health & Safety Code (commonly known as AB1953)
- Federal Lead Plumbing Law (commonly known as U.S. Senate Bill No. S.3874 "Reduction of Lead in Drinking Water Act")
- Vermont's Lead Reduction Law (commonly known as Vermont Act 193)
- Maryland's Lead Reduction Law (commonly known as Maryland House Bill HB.372)
- Louisiana's Lead Reduction Law (commonly known as Louisiana House Bill HB.471)
- NSF/ANSI 372-2010
- The latest edition of the NSF/ANSI 61 Annex G

All federal and state plumbing laws, as well as NSF/ANSI 61 Annex G and NSF/ANSI 372, certified by IAPMO R&T will be listed in one file. Manufacturers need only specify to IAPMO R&T which standard(s)/law(s) they wish to apply.

Manufacturers have long trusted IAPMO R&T for its foresight in assisting them to meet the dynamic legislative demands on their faucets, valves, fittings and other products that contact drinking water. IAPMO and IAPMO R&T have been certifying plumbing products to be in compliance with standards governing their use since the 1940s.

IAPMO R&T is fully qualified and accredited by the American National Standards Institute (ANSI) and Standards Council of Canada (SCC) to provide certification services and listing to Louisiana's or any other applicable lead-reduction law.

Manufacturers can request more information on low-lead certification by contacting Anish Desai at (909) 472-4121 or [anish.desai@iapmort.org](mailto:anish.desai@iapmort.org). For more information on this and other services provided by IAPMO R&T, please visit [www.iapmort.org](http://www.iapmort.org).

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## IAPMO Technical Committees Work to Finalize Solar, Swimming Pool Codes

IAPMO recently held Technical Committee meetings toward the American National Standards Institute (ANSI) accredited consensus development of the Uniform Solar Energy Code (USEC) and the Uniform Swimming Pool, Spa and Hot Tub Code (USPSHTC).

The Technical Committees, which consist of a broad coalition of industry experts - installers, inspection officials, contractors, engineers and manufacturers - considered public comments to amend the USEC and USPSHTC in advance of the release of the 2012 editions. Their actions to affirm or reject these comments now go to ballots that have been mailed to each Technical Committee member for formal voting until Dec. 8. The results will appear in the Report on Comments, which will be published for review in February 2012 and opened for public comment from February until April 2012.

IAPMO develops the USEC and USPSHTC to govern the installation and inspection of solar energy and swimming pool, spa and hot tub systems, respectively, as a means of promoting the public's health, safety and welfare. The USEC Technical Committee considered comments seeking to amend the code in such areas as:

- Clarification on safety devices and expansion tanks used in a solar energy system
- New definitions for "solar energy system components," "combustible liquid," "flammable liquid," "ignition source," "indirect waste pipe" and "solar thermal system"
- Clarification on valve requirements
- Freeze protection that correlates with other industry standards
- Identification of heat transfer medium piping
- Photovoltaic shingles
- Pumps used in a solar energy system
- Supplemental checklist for plan reviews involving solar photovoltaic systems
- Solar energy systems for swimming pools, spas and hot tubs
- Solar photovoltaic installation guidelines in accordance with the 2011 Edition of NFPA 70

The USPSHTC Technical Committee considered comments seeking to amend the code in such areas as:

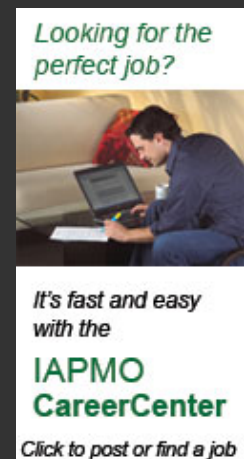

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- Decks
- More in-depth water chemistry provisions
- Chemical storage and handling
- Safety requirements, including means of entry and exit, life safety and rescue equipment, and lightning protection systems
- Wading pools
- More in-depth design and material provisions for pools, spas and hot tubs

For questions about the USEC, contact Hugo Aguilar at (909) 472-4111 or [hugo.aguilar@iapmo.org](mailto:hugo.aguilar@iapmo.org).  
For questions about the USPSHTC, contact Matt Sigler at (909) 230-5535 or [matt.sigler@iapmo.org](mailto:matt.sigler@iapmo.org).

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## Richard L. Beck Named Director of IAPMO ES

The IAPMO Group has named Richard L. Beck, PE, MCP, CBO, as Director of IAPMO Evaluation Services (ES).

A 30-plus-year veteran of the construction industry, more than 25 of them related to all aspects of building codes, Beck brings a thorough working knowledge of the techniques and procedures employed in the development, interpretation, maintenance, training, certification, evaluation of products and structure of codes and standards to his new post.

"I am very excited about being at IAPMO and the opportunity to compete in the marketplace," Beck said. "Competition makes everyone better — it's the American way."

A University of Alabama graduate, Beck joins IAPMO ES following 26 years with the International Code Council (ICC), most recently as Senior Staff Engineer for ICC-ES. Previously he served as Assistant Vice President Special Projects SBCCI PST & ESL, Assistant Manager of Codes SBCCI, Assistant Manager of the Plan Review Department SBCCI and Senior Mechanical Engineer. Prior to joining ICC, Beck designed nuclear power plants and stations, including heat rejection and HVAC.

A member and former president of the ASHRAE Birmingham Chapter, Beck was recipient of the chapter's 1993 Young Engineer of the Year and 1998 Distinguished Service Award, and he has served on ASHRAE's Standards Committee.

"The IAPMO Group is very pleased to have Richard join us and anxiously anticipate his leadership lifting IAPMO ES to new heights," said Ohannes Dembekjian, senior director of Continuous Compliance for IAPMO R&T.

Amir Zamanian remains with IAPMO ES as Technical Director. Since he took over as Director of IAPMO ES in September 2007, Zamanian grew the organization from a handful of clients to the established, highly-credible third-party evaluation body it is today.

### ABOUT IAPMO ES

*Since 1936, IAPMO has proved the integrity of building products to the gatekeepers in every community. When presented with an IAPMO ES evaluation report, these gatekeepers have every confidence that building products meet the required standards. Day in and day out, jurisdictions across the country recognize the IAPMO marks of conformity among the most trusted marks in the industry. This includes ES evaluation reports. IAPMO ES is an approved agency in compliance with Section 1703 of the International Building Code (IBC) and is accredited by the American National Standards Institute (ANSI) under ISO/IEC Guide 65.*

For more information on IAPMO ES, direct your Web browser to [www.iapmoes.org](http://www.iapmoes.org) or contact Richard Beck at (909) 472-4202 or [richard.beck@iapmoes.org](mailto:richard.beck@iapmoes.org).

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## ENERGY STAR Offers Free Resources for Plumbers to Help Customers Save Money on Water Heaters For Competitive Edge

Today, customers want their plumbers and contractors to provide recommendations on how they can save money on their water heaters. The equipment has the second largest energy consumption in the home.

Contractors can distinguish themselves from their competitors by tapping into resources provided by EPA ENERGY STAR programs to help consumers assess the benefits of these products and select the most appropriate options. ENERGY STAR has several free resources to help including:

- Incentives and rebates listed on the ENERGY STAR website (visit [www.energystar.gov/rebatefinder](http://www.energystar.gov/rebatefinder) and [www.energystar.gov/taxcredits](http://www.energystar.gov/taxcredits) or go to Frequently Asked Questions, then select Tax Credits/ Rebates/ Financing/ Grants).

- Incentive Programs from utility companies (See below Incentives from Utility Orgs & States for

- Incentive Programs from utility companies. (See below. Incentives from Utility Orgs & States for Energy Star Qualified Residential Water Heaters)
- Information on manufacturers offering training programs for plumbers and contractors on the installation and sales of ENERGY STAR qualified products, such as the Accredited GreenPlumbers Training Program
- A list of ENERGY STAR qualified product models that plumbers and contractors can recommend for client renovations.

### **Americans Save \$18 Billion with ENERGY STAR Products**

In 2010 alone, Americans, with the help of ENERGY STAR, saved nearly \$18 billion on their utility bills while reducing greenhouse gas emissions equivalent to the annual emissions from 33 million vehicles.

ENERGY STAR provides residential water heater manufacturers, contractors, and plumbers with resources and tools to help them promote high-efficiency products that save money and deliver the same or better performance as comparable products. Today, EPA's ENERGY STAR label is one of the highest influencing labels in the market place. And, ENERGY STAR provides free marketing resources for those working with qualified products.

### **Tax Credits And Rebates For Energy Star Qualified Residential Water Heaters**

Today, homeowners can benefit from a \$300 federal tax rebate for gas tankless and heat pump water heaters, as well as a tax credit for 30% of the installed cost of solar thermal. Many states offer additional incentives for these technologies (see also [www.DSIREUSA.org](http://www.DSIREUSA.org))

### **Incentives from Utility Orgs & States for Energy Star Qualified Residential Water Heaters**

More than 700 utility and state energy efficiency programs are promoting ENERGY STAR to households nationwide and offering rebates and incentives to their consumers. Many gas and electric utilities offer rebates specifically for installation on ENERGY STAR qualified water heaters and educate homeowners on the benefits of these units.

For example, Center Point Energy in Minnesota who has over 250 contractors in their network, offers a rebate of \$100 on high efficiency ENERGY STAR qualified residential natural gas water heaters. This year to date they have rebated over 900 ENERGY STAR qualified residential water heaters. Additionally in a recent survey of rebate participants they conducted, two-thirds of respondents were aware that ENERGY STAR natural gas water heaters were available and one-third were made aware of rebate offer through their plumber.

For more information on incentive programs available from your utility, visit the Consortium for Energy Efficiency (CEE). CEE tracks utility incentive programs for gas water heaters and rebates can be found on the on the Residential Gas water Heating Program Summary 2011 page.

### **More Manufacturer Trainings Programs For Plumbers and Contractors**

Increasingly, plumbing contractors are taking advantage of energy and water efficiency training programs such as the Accredited GreenPlumbers Training Program to better serve energy aware customers. GreenPlumbers Residential audit calculates energy and water savings for new high efficient product installations, including ENERGY STAR qualified water heaters. Plumbing contractors can then work with homeowners to deliver the best ENERGY STAR qualified product and maximize the consumer's return on investment.

#### *About ENERGY STAR*

*The ENERGY STAR brand is a powerful tool to help consumers save energy and money. Through programs such as the Residential Water Heater program, ENERGY STAR helps consumers save money and protect the environment with energy-efficient products and practices. In fall 2011, EPA will roll out an MS Excel-based savings calculator to help contractors and consumers alike calculate the benefits of ENERGY STAR qualified water heaters, as well as the payback period. In January 2009, the ENERGY STAR program for residential water heaters was established. Plumbers and contractors offering their customers more energy-efficient products are tapping into the growing base of energy-aware homeowners.*

*ENERGY STAR was introduced by EPA in 1992 as a voluntary, market-based partnership to reduce greenhouse gas emissions through energy efficiency. Today, the ENERGY STAR label can be found on more than 60 different kinds of products including lighting, appliances, TVs, computers and other office equipment, and consumer electronics; homes; and schools and commercial buildings. Products that have earned the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy-efficiency specifications set by the government. For information and resources on ENERGY STAR qualified water heaters and other products, visit [www.ENERGYSTAR.gov](http://www.ENERGYSTAR.gov).*

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## **Ferguson Gives Thanks by Giving Back**

Just in time for the Thanksgiving holiday, Ferguson has made a significant contribution to support the Plumbing-Heating-Cooling Contractors (PHCC) Educational Foundation's 2011 Invest In Your Future Annual Giving Campaign. This is the seventh consecutive year that Ferguson has made a major gift to the Foundation's annual fundraising campaign.

"Seven years ago, we asked our major donors if they could help us reach our annual fundraising goal. Ferguson stepped forward, not only that year, but every year since in support of contractor education and scholarships," said Foundation Chairperson Bill Jones. "That commitment to supporting the contractor really sets Ferguson apart."

"We recognize that educated, professional contractors are our best customers and friends," said Henry Wood, Ferguson's Residential Business Group Director. "In addition to this support, we are working to identify more ways to we can work with PHCC on programs to benefit contractors in 2012."

Ferguson has been a major supporter of the PHCC Educational Foundation for over twenty years and is a Corporate Founder level donor to the Foundation's endowment fund. Combined past and present contributions from Ferguson now total more than \$195,000 in support of industry education.

The campaign fundraising goal for 2011 is \$145,000 in gifts to support the Foundation's mission of providing quality business management and technical education programs to contractors and their employees. A portion of the proceeds also supports the PHCC National Auxiliary Scholarship Program. InSinkErator also provides matching contributions for the fundraiser.

Industry contractors, suppliers and manufacturers can show their support and be represented on the donor thank you list by making a contribution to the annual giving campaign. Contribution forms and a list of industry donors are available directly from the Foundation web site at <http://www.phccfoundation.org> or by calling (800) 533-7694. The PHCC Educational Foundation is a 501(c)(3) non-profit organization and contributions to the Foundation are tax deductible to the fullest extent allowed by law.

#### *About Ferguson*

*Headquartered in Newport News, Va., Ferguson is a leading wholesale distributor of plumbing supplies; pipes, valves and fittings; heating and cooling equipment; waterworks; and appliances; tools and safety equipment; and fire protection products. Ferguson has sales of \$8.8 billion and approximately 17,500 associates in approximately 1,350 service centers located in all 50 states, the District of Columbia, Puerto Rico, Mexico and the Caribbean. For more information, visit [www.ferguson.com](http://www.ferguson.com).*

#### *About PHCC Educational Foundation*

*The PHCC Educational Foundation, a partnership of contractors, manufacturers, and wholesalers, was founded in 1987 to serve the plumbing-heating-cooling industry by preparing contractors and their employees to meet the challenges of a constantly changing marketplace. For more information contact a member of the Foundation staff at (800) 533-7694 or visit [www.phccfoundation.org](http://www.phccfoundation.org).*

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## **EPA Releases Guidelines to Ensure Healthy Indoor Air during Home Energy Upgrades**

*New protocols protect indoor air quality while enhancing home energy efficiency*

The U.S. Environmental Protection Agency (EPA) released its Healthy Indoor Environment Protocols for Home Energy Upgrades to better integrate health protections into energy efficiency programs. This first-of-its-kind guidance will provide the home energy industry the ability to identify, manage, and reduce health risks during home energy upgrades, retrofits or remodeling.

"These protocols will help the home energy retrofit industry deliver high quality work while protecting the health of families," said Gina McCarthy, EPA Assistant Administrator for the Office of Air and Radiation. "Homeowners, occupants, and the energy services industry will benefit greatly from this simple and clear guidance for addressing critical indoor air quality risks during home energy upgrades. Following these protocols will help families save money on utilities while safeguarding their health."

EPA's new protocols describe a step-by-step process for conducting assessments to evaluate indoor air conditions and the potential for risks that may arise during residential energy upgrades. The protocols include recommended minimum specifications and best practices to maintain or improve indoor air quality.

The protocols serve as a companion document to the U.S. Department of Energy's (DOE) guidelines for Home Energy Professionals. The DOE guidelines are intended to foster the growth of a skilled work force that will increase the homeowner's confidence in the retrofit industry and increase the demand for home energy retrofits. Together, the DOE guidelines and EPA protocols will help facilitate increased home energy efficiency, improve the quality of work performed and provide healthier homes for America.

By working with the home energy upgrade industry, other federal agencies, industry standard organizations, and state and local programs to implement these protocols, EPA and its partners will help improve indoor air quality and energy efficiency in homes around the country. The protocols were announced at the Weatherization Plus Health Regional Conference in San Diego, Calif.

U.S. Department of Energy's Guidelines for Home Energy Professionals:  
[http://www1.eere.energy.gov/wip/retrofit\\_guidelines.html](http://www1.eere.energy.gov/wip/retrofit_guidelines.html)

EPA's Healthy Indoor Environment Protocols for Home Energy Upgrades:  
<http://www.epa.gov/iaq/homes/retrofits.html>

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## Plumbing Problems Plague New Navy Carrier

The U.S. Navy's \$6.2 billion USS George H.W. Bush may be the newest and most modern carrier in its fleet, but it has been struggling to provide its sailors with one of their most basic needs – working toilets.

The issue is the vacuum system that moves waste through the ship's pipes, which has become repeatedly clogged. Disruption in one head can impact a broader area. A vacuum outage affects every commode in one half of the ship and is not department- or squadron-specific. Six times on its current deployment all 423 commodes and 130 heads have been offline.

The issue was first reported by Mary Brotherton, mother to one of the sailors aboard. "Morale is declining and the health and safety of thousands of deployed military personnel is at stake," she wrote in a recent blog entry.

The Navy Times picked up the story: "Sailors tell of combing the ship for up to an hour to find a place to do their business, if they can find one at all. Others have resorted to urinating in showers or into the industrial sinks in their workstations. Some men are using bottles and emptying the contents over the giant ship's side, while some women are holding it in for so long that they are developing health problems, according to sources on the ship."

The Navy has acknowledged the problems but insisted that the situation is not nearly as dire as has been reported. Captain Brian Luther said that there have been issues, and that engineers have logged over 10,000 hours working on the toilets and the 250 miles of pipe. But most of the problems have been quickly repaired, and the longest whole ship outage during deployment was 15 minutes.

Captain Luther said that the sailors themselves were partly to blame. Sailors have been flushing down items that shouldn't be flushed – feminine hygiene, mop heads, t-shirts, underwear, towels, socks, hard-boiled eggs, and eating utensils. There have been zero clogs caused by toilet paper and human waste.

"The indifferent, inconsiderate and irresponsible actions of a few Sailors were adversely affecting everyone onboard. To address the abuse of heads and commodes, I made the decision to allow departments and squadrons to install cipher locks on all heads. This would limit access to heads to members of the berthing assigned and foster a sense of ownership amongst berthing inhabitants. It would also allow better forensics into the source of the vandalism because the number of people allowed in a particular head would be known," Luther wrote on Facebook message to the families of the sailors.

Luther said the issue has painted an unfair picture about life on the new carrier, and that the "Sailors are healthy, happy and excited to be heading home."

Captain Luther's message to the families can be viewed here: <https://www.facebook.com/notes/uss-george-hw-bush-cvn-77/captain-luthers-message-to-family-and-friends/243540655705960>

Mary Brotherton Blog: [www.marybrotherton.com](http://www.marybrotherton.com)

Navy Times Article: <http://www.navytimes.com/news/2011/11/navy-carrier-bush-suffers-widespread-toilet-outages-111411w/>

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### I-Connection Electronic Newsletter

You will continue to receive the I-Connection Newsletter each month until such time as you unsubscribe. To make sure the I-Connection Newsletter is not sent to your bulk or junk mail folders, add [news@iapmo.org](mailto:news@iapmo.org) to your address book. We encourage you to forward the I-Connection Newsletter to your colleagues. Requests for new subscriptions, change of e-mail address, or to have your address removed from our list should be sent to [news@iapmo.org](mailto:news@iapmo.org). IAPMO does not knowingly participate in SPAM. We do not sell, rent or trade the names on our e-mail list; your e-mail address is only used to send messages from IAPMO. If you wish to be removed from this list, follow the link below and enter your e-mail address to be deleted.

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|----------------------|---------------------|---|
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| December 1 & 8, 2011 | Leicester, MA       | Make-up Session 3 - Massachusetts Continuing Education For Plumbers   |
| December 3, 2011     | West Des Moines, IA | Plumbing and HVAC Continuing Education for State of Iowa License      |
| December 3, 2011     | Hyannis, MA         | Massachusetts Continuing Education For Plumbers - Session 4           |
| December 3, 2011     | Hyannis, MA         | Massachusetts Continuing Education For Gasfitters - Session 4         |
| December 5, 2011     | West Roxbury, MA    | Massachusetts Continuing Education For Gasfitters - Session 4         |
| December 5 & 7, 2011 | West Roxbury, MA    | Massachusetts Continuing Education For Plumbers - Session 4           |
| December 5, 2011     | Fitchburg, MA       | Make-up Session 3 - Massachusetts Continuing Education For Gasfitters |
| December 5 & 7, 2011 | Fitchburg, MA       | Make-up Session 3 - Massachusetts Continuing Education For Plumbers   |
| December 5, 2011     | Boston, MA          | Massachusetts Continuing Education For Gasfitters - Session 4         |
| December 5 & 7, 2011 | Boston, MA          | Massachusetts Continuing Education For Plumbers - Session 4           |

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