



E-Institute

Official Newsletter of IPA

Matters for concern:

Is plumbing as we know it under threat? I tend to believe that it may well be unless all of us are diligent in our pursuit for best practice in all things plumbing.

I read in a recent issue of The Wire (Energy Skills Council Magazine see www.e-oz.com.au) of concerns raised by stakeholders with regard to companies, which are not Registered Training Organisations offering recognition services for trade qualifications. A quick look on google soon noted that plumbing was also included in this model with assessments carried out on line and dubious claims to links with RTO's that when drilled down amounted to very little. You might say what does it matter if the less qualified are stopped at the gatekeeper but I see this as another small hole in the dyke that protects public health and safety.

A recent review of plumbing regulation In Western Australia produced a report with many scary aspects one of which was "Plumbing in the home" and a further expansion to allow "Commercial Handymen" to carry out so called minor plumbing work for reward, this put a further complexity on the surmise that a homeowner carrying out his own plumbing work only impinges on themselves and their immediate family. This is old fashioned thinking to times when the family home was a long term proposition often over several generations when the here

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and now is that in many cases the so called family home is used to raise tax free income changing hands on much shorter time frames and at the same time handing on any home handyman plumbing probably at the time it is starting to fail, more holes in the dyke.

Further compounding this issue is that in many jurisdictions the inspection and compliance regimes are all focused on the Licensed Plumber through "Self Certification" with it seems very few eyes on the ball. Home plumbing does not fit in this methodology as there are very few controls on the consumer and fewer Inspectors on the beat.

At the commercial end of the spectrum you would expect to find more robust controls but in many jurisdictions that is not the case. Although most large projects start with a fully engineered design produced by trained hydraulic services consultants the design has no regulatory standing with the result that the end product although complying loosely with the relevant installation standards may have lost the engineering principals behind the original design leaving the end consumer with a less than satisfactory outcome.



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What do we do to plug the holes in the dyke? We must all be diligent and observant of examples of illegal plumbing and take notice of consumers when they complain of poor work they have inherited from others, provide information to your member service association or this Institute so as we may back up our claims when dealing with government on regulatory matters.

Stephen Movley
Editor

secretary@plumbing.org.au

Solar Water Heater Product Profile consultation

Water heating in Australia and New Zealand is a major contributor to energy use and cost in the residential sector, and many businesses and commercial organisations.

Solar water heaters (SWHs) are an established technology which can assist in reducing water heating energy use. The residential, commercial and government sectors have all made substantial investments in solar water heating technology through purchasing systems, innovation, installer and consumer education and rebate programs. Potential improvements in either the sales or efficiency levels of SWHs present an opportunity for households and businesses to lower their energy usage, save money, increase economic productivity and reduce

greenhouse gas emissions.

In light of the importance of these water heaters to the residential and commercial sectors and the issues identified in the Product Profile ([PDF](#)) ([DOC](#)), the E3 Committee is seeking views and dialogue with consumers, industry and other stakeholders on experiences with the performance of SWHs and the SWH market.

Download the Solar Water Heater Product Profile

[Product Profile PDF](#)

[Product Profile DOC](#)

Making a written submission

Written submissions should state 'Solar water heater Product Profile' in the subject heading and should be emailed to energyrating@industry.gov.au.

All submissions must be received by 5.00pm AEST Friday 26th September 2014.

Public Consultation sessions and registering your attendance

To help inform feedback, public consultation sessions will be held in the following New Zealand and Australian cities. These sessions will provide an overview of the Product Profile ([PDF](#)) ([DOC](#)), its finding and identified areas where additional data would be useful.

Dates and venues for meetings will be confirmed shortly.

Date	City	Venue	Time
September 2014	Brisbane	TBA	TBA
September 2014	Sydney	TBA	TBA
September 2014	Auckland	TBA	TBA
September 2014	Melbourne	TBA	TBA
September 2014	Adelaide	TBA	TBA
September 2014	Perth	TBA	TBA

Registering your attendance at a consultation session

To register your interest in attending a consultation session, please email energyrating@industry.gov.au noting the number of attendees and the location of the meeting you wish to attend. For NZ participants, please email regs@eeca.govt.nz.

Commonwealth of Australia (Department of Industry) is the author of the original material above.

WorldSkills Australia National Competition

18 to 20 September 2014

Location:

Perth Convention and Exhibition Centre

21 Mounts Bay Road Perth Western Australia

info@worldskills.org.au

The nation's largest and most prestigious skill and trade showcase is returning to Perth for the first time since 1989!

The 2014 WorldSkills Australia National Competition will be held at Perth's Convention and Exhibition Centre between the 18th and 20th of September. With over 17,000 square metres of competition and exhibition space, there will be plenty of exciting and interactive activities to take part in.

The three day event will showcase the skills of 500 of Australia's best trainees, apprentices and students competing for the prestigious title of 'Nation's Best' in over 50 skill and trade areas ranging from the traditional trades such as Plumbing, Bricklaying and Hairdressing to the more contemporary professions of Web Design and Fashion Technology.

The National Competition will also feature 30 interactive Try'aSkill programs, where visitors can try their hand at various skill and trade areas including Hairdressing, Carpentry, Bricklaying and more.

In the spirit of providing a holistic experience for audiences, WorldSkills Australia has invited Skills West Expo to be part of our National Competition.

This event is supported by the Australian Government and the Government of Western Australia.

See more on the competition [website](#)

2014 World Plumbing Council Scholarship Program - Closing Date Extended

The World Plumbing Council has decided to extend the closing date for those interested in submitting an application for the 2014 World Plumbing Council Scholarship program to the **31st August 2014**. To download application forms go to www.worldplumbing.org

There are two scholarships available, they are;

- **World Plumbing Council Education and Training Scholarship** – A one time scholarship for an individual involved in plumbing industry training wishing to visit a country for the purposes of researching and furthering plumbing training and methodologies.
- **World Plumbing Council Least Developed and Developing Countries Scholarship** – A one time scholarship for an individual involved in the plumbing industry, and a citizen of those countries listed by the UN as least developed and

developing, wishing to visit a country for the purposes of researching and furthering plumbing training and methodologies in their country.

The WPC Scholarship program provides the opportunity to live and work within the culture of another country, providing the chance to learn another language and develop industry networks and friendships. Successful applicants are encouraged to focus on the following areas during their scholarship program;

- Identification of emerging vocational training needs and trends
- Plumbing training & education to address the environment and sustainability issues
- The value of water efficiency to the community and the plumbing industry
- How does plumbing training or lack of training affect public health in a country or region?

Applications now close on the 31st August 2014.

For information on least developed countries go to http://www.nationsonline.org/oneworld/least_developed_countries.htm

For information on developing countries go to <http://www.isi-web.org/component/content/article/5-root/root/81-developing> <<http://www.isi-web.org/component/content/article/5-root/root/81-developing>>

Water, Sanitation, Hygiene and Health Newsletter N° 180/ 25 July 2014



WHO at the 2014 Stockholm Water Week, 31 Aug – 5 Sept 2014

WHO will present new work to address the sanitation crisis including sanitation safety planning (SSP), sanitation business models and a new global monitoring mechanism for safe management, treatment and reuse of wastewater and faecal sludge. The latest monitoring data from the WHO/UNICEF JMP and UN-Water GLAAS including results of the new TrackFin initiative will also be presented. Join us at the venue or online:

- Global Monitoring of WaSH: A 2014 Update - Sunday 12:45-13:45 Room K21
- New Approaches to Wastewater and Water Resource Management Monitoring in the Post-2015 Era – Monday 14:00-17:30 Room K2 (live web-link will be available)
- Sanitation Business Models for Safe Resource Recovery and Reuse (RRR) - Tuesday 09:00-12:30 Room T2

Visit www.worldwaterweek.org/programme for session details.

In reviewing progress to date on post fourth edition activities of the GDWQ, **MCPA in Drinking-water**, a chemical background document has been revised. Comments on the background document should be sent to gdwq@who.int. Closing date for receiving comments 19 September 2014
http://who.int/water_sanitation_health/dwg/chemicals/mcpa/en/

Reinventing the toilet for 2.5 billion people in need

The July issue of the Bulletin of the World Health Organization highlights efforts to design high-tech, low-cost toilets for the 2.5 billion people currently lacking access to basic sanitation infrastructure. Lack of access to improved sanitation facilities disproportionately affects the poor which puts them at increased risk for diseases such as cholera, typhoid, dysentery and trachoma.
<http://www.who.int/bulletin/volumes/92/7/en/>

Guidelines for Drinking-water Quality, 4th edition is now available in Japanese
http://who.int/water_sanitation_health/publications/2011/dwg_guidelines/en/

Journal of Water and Health

WHO and IWA Publishing collaborate in the Journal of Water and Health

Click on the links below to view abstracts of some of the papers included in the latest issue of the journal:

Direct detection of Mycobacterium avium in environmental water and scale samples by loop-mediated isothermal amplification

Yukiko Nishiuchi, Aki Tamaru, Yasuhiko Suzuki, Seigo Kitada, Ryoji Maekura, Yoshitaka Tateishi, Mamiko Niki, Hisashi Ogura and Sohkichi Matsumoto

<http://www.iwaponline.com/jwh/012/jwh0120211.htm>

Prospective epidemiological pilot study on the morbidity of bathers exposed to tropical recreational waters and sand

Elia E. Sánchez-Nazario, Tasha M. Santiago-Rodriguez and Gary A. Toranzos

<http://www.iwaponline.com/jwh/012/jwh0120220.htm>

Drinking water quality monitoring using trend analysis

Jani Tomperi, Esko Juuso, Mira Eteläniemi and Kauko Leiviskä

<http://www.iwaponline.com/jwh/012/jwh0120230.htm>

Proteomic regulation during Legionella pneumophila biofilm development: decrease of virulence factors and enhancement of response to oxidative stress

Arbia Khemiri, Sandra Ahmed Lecheheb, Philippe Chan Chi Song, Thierry Jouenne and Pascal Cosette

<http://www.iwaponline.com/jwh/012/jwh0120242.htm>

The water environment as a source of potentially pathogenic mycobacteria

Jitka Makovcova, Michal Slany, Vladimir Babak, Iva Slana and Petr Kralik

<http://www.iwaponline.com/jwh/012/jwh0120254.htm>

The effect of sodium azide concentration on the recovery of enterococci from water

C. R. Fricker and B. J. Eldred

<http://www.iwaponline.com/jwh/012/jwh0120264.htm>

Assessment of swimmer behaviors on pool water ingestion

Laura M. Suppes, Leif Abrell, Alfred P. Dufour and Kelly A. Reynolds

<http://www.iwaponline.com/jwh/012/jwh0120269.htm>

Relating the bivalve shellfish harvesting area classification criteria in the United States and European Union programmes

R. J. Lee and R. A. Reese

<http://www.iwaponline.com/jwh/012/jwh0120280.htm>

Ceramic water filters impregnated with silver nanoparticles as a point-of-use water-treatment intervention for HIV-positive individuals in Limpopo Province, South Africa: a pilot study of technological performance and human health benefits

Lydia Shawel Abebe, James A. Smith, Sophia Narkiewicz, Vinka Oyanedel-Craver, Mark Conaway, Alukhethi Singo, Samie Amidou, Paul Mojapelo, Julia Brant and Rebecca Dillingham

<http://www.iwaponline.com/jwh/012/jwh0120288.htm>

Quantitative microbial risk assessment related to urban wastewater and lagoon water reuse in Abidjan, Côte d'Ivoire

R. I. Yapo, B. Koné, B. Bonfoh, G. Cissé, J. Zinsstag and H. Nguyen-Viet

<http://www.iwaponline.com/jwh/012/0301/0120301.pdf>

Microbiological assessment of private groundwater-derived potable water supplies in the Mid-West Region of Ireland

Jean O'Dwyer, Aideen Dowling and Catherine C. Adley

<http://www.iwaponline.com/jwh/012/jwh0120310.htm>

Factors influencing householders' access to improved water in low-income urban areas of Accra, Ghana

Ayisha Matuamo Mahama, Kwabena Asomanin Anaman and Isaac Osei-Akoto

<http://www.iwaponline.com/jwh/012/jwh0120318.htm>

Removal of indigenous coliphages and enteric viruses during riverbank filtration from highly polluted river water in Delhi (India)

C. Sprenger, G. Lorenzen, A. Grunert, M. Ronghang, H. Dizer, H.-C. Selinka, R. Girones, J. M. Lopez-Pila, A. K. Mittal and R. Szewzyk.

<http://www.iwaponline.com/jwh/012/jwh0120332.htm>

Safety of packaged water distribution limited by household recontamination in rural Cambodia

Emily J. Holman and Joe Brown

<http://www.iwaponline.com/jwh/012/jwh0120343.htm>

Microbial source tracking and spatial analysis of E. coli contaminated private well waters in southeastern Ontario

Julia Krolik, Gerald Evans, Paul Belanger, Allison Maier, Geoffrey Hall, Alan Joyce, Stephanie Guimont, Amanda Pelot and Anna Majury.

<http://www.iwaponline.com/jwh/012/jwh0120348.htm>



National Skills Week 2014

For more information, visit

www.nationalskillsweek.com.au

[Register your events now!](#)



The Magical Mystery Tour of Skills

The theme for National Skills Week 2014!

[National Skills Week website](#)

For your diary:

WorldSkills Australia National Competition

18-20 September 2014 – Perth see www.worldskills.org.au/

2014 Joint Industry Plumbing Conference – 13-14 November 2014; Queensland

www.plumbingconference.com.au

New Shopping Cart makes it easier to purchase and download the E-Book

Selection and Sizing of Copper Tubes for Water Piping Systems by Barrie Smith

E-Book sales are now automated from 20 June 2014. Website address will remain as www.plumbing.org.au and follow the links to Technical Books through to the shopping cart and pay by PayPal or Credit Card for immediate download.

Companion Spreadsheet files utilising the E-Book are still freely available as an additional download when you complete your shopping cart journey.

Your input into this Newsletter and other IPA matters is always welcome and in fact sort after. If you are not already a member why not join and really help us provide a voice for plumbers and plumbing. Simply email the Secretary below.

Contact	Follow us
<p>Comments on matters raised in E-INSTITUTE or suggestions for future issues are welcome and may be sent to the Editor at: The Institute of Plumbing Australia Inc. P O Box 2005 MARMION Western Australia 6020 FAX: 08 9448 0420 EMAIL: secretary@plumbing.org.au WEB: www.plumbing.org.au</p>	 

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