

# E – INSTITUTE

## The Official Newsletter of IPA



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The Institute of Plumbing  
Australia Incorporated

Promoting Consistency in all things Plumbing

The Institute of Plumbing Australia, as a national organisation promoting the importance of plumbing, is involved in all manner of projects and committees. In this issue we include outputs from that involvement in training and research.

There are also two emerging areas of concern for plumbing that will require a diligent eye from industry and they are the National Licensing Scheme and the Australian National Construction Code. Both are fully supported by the IPA but only as long as plumbing is fully recognised for its role in health and the environment over and above the commercial considerations of those that see plumbing as simply another construction trade. The Institute's connection at national and international levels continues to reinforce our view that plumbing is a holistic profession equally important to the protection and maintenance of public health with the medical profession. To continue that role requires a licensing regime at both vocational and contractor levels that commences at a comprehensive level prior to any form of specialisation.

The National Licensing Taskforce will conduct a series of Public Information sessions on the following dates:

Perth – 25 November 2009

Darwin – 27 November 2009

Canberra – 30 November 2009

Brisbane – 1 December 2009

Adelaide – 2 December 2009

Sydney – 3 December 2009

Melbourne – 7 December 2009

Hobart – 8 December 2009

For further information including times and venues click on the link below:

<https://www.govdex.gov.au/confluence/display/COAGNL/Home>

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**Please support our 2009  
Institute Supporters:**



## Report - Barriers and Drivers on Post-Apprenticeship Plumbing Training

This project, funded under the Australian Government's Industry Training Strategies Program: Industry Pathfinders, administered by the Department of Education, Employment and Workplace Relations follows on from a series of projects/reports that the IPA has been involved with over a number of years and in some respects was born out of the Australian National Plumbing Forum hosted by this Institute in Melbourne 2008. The same forum was responsible for bringing the wider Plumbing Industry together to discuss the need for a Diploma of Hydraulic Services Design as an extension of the CPC08 Construction, Plumbing and Services Integrated Framework Training Package (see message from CPSISC below)

This link will take you to the Report (pdf: 130+pages, 6MB).

[http://www.cpsisc.com.au/resources/Beyond\\_BCP03/Barriers\\_and\\_Drivers\\_on\\_Post\\_Apprenticeship\\_Plumbing\\_Training\\_Report\\_Final\\_051109.pdf](http://www.cpsisc.com.au/resources/Beyond_BCP03/Barriers_and_Drivers_on_Post_Apprenticeship_Plumbing_Training_Report_Final_051109.pdf)

## Message from Construction and Property Services Industry Skills Council (CPSISC)

CPSISC has today received notification that **Version 3 of CPC08 Construction, Plumbing and Services Integrated Framework Training Package** is now available LIVE on the National Training Information Service (NTIS).

CPC08 Version 3 includes the following additions:

- New specialist stream for hydraulic services design to CPC40909 Certificate IV in Plumbing and Services.
- New hydraulic services design qualification - CPC50609 Diploma of Hydraulic Services Design.

RTO's can now apply to have these qualifications added to their scope of registration. It would be appreciated if you could circulate this information to all relevant stakeholders within your own networks.

Construction and Property Services Industry Skills Council (CPSISC)

[www.cpsisc.com.au](http://www.cpsisc.com.au)





# NPRF ADVISORY NOTE

Issued 2<sup>nd</sup> November 2009

## Waterless Urinals

### Purpose

The purpose of this Advisory Note is to provide guidance to the Australian and New Zealand plumbing industry and consumers regarding the installation and maintenance of waterless urinals.

### Background

In an effort to integrate water-sensitive urban designs into current practice the National Plumbing Regulators Forum (NPRF) for Australia and New Zealand formed the *Australasian Scientific Review of Reduction of Flows on Plumbing and Drainage Systems (ASFlow) Committee* to conduct research into the effects reduced flows are having on drainage systems.

The first stage of the project was to conduct research into the impacts of waterless urinal discharges. The NPRF ASFlow project committee has conducted a number of laboratory and field tests which have identified the potential for fitting and drainline blockages from Struvite (magnesium ammonium phosphate). Struvite is the main scale material which builds up immediately downstream of waterless urinals causing major blockages when not properly managed.

The trials have shown added flows to main pipes servicing waterless urinals will prevent rapid build-up of Struvite but highlighted the need for on-going maintenance of the urinal's outlet pipe at regular intervals to control the build-up of Struvite.

### Current situation

The NPRF through its Technical Advisory Committee has facilitated an amendment to the Plumbing and Drainage Standards *AS/NZS 3500.2: 2003 Part 2: Sanitary plumbing and drainage* to manage the build-up of Struvite in sanitary plumbing and drainage systems. The amendment will provide provisions to minimise the risk of blockages by requiring a minimum of 2 fixture units e.g. 2 hand basins to be installed upstream of each waterless urinal. While this requirement will assist in preventing blockages of main drain lines the trials demonstrated it will not prevent build up of Struvite in the discharge pipe from the waterless urinal to the main drain line as discussed earlier.

At this stage it is recommended that facility owners and managers arrange for waterless urinals be inspected and cleaned at periods of no less than 6 months, until a more appropriate maintenance interval can be established for each facility. The maintenance interval will be dependent on a number of factors such as usage patterns, waterless urinal type, drainage design and other factors.



The above images show the build up of Struvite within 12 months of installation.

For further information contact the plumbing regulator in your state, territory.

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.

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](mailto:secretary@plumbing.org.au)

WEB: [www.plumbing.org.au](http://www.plumbing.org.au)

You have been sent this Newsletter as a member of the IPA or as a professional member of the wider plumbing industry. If you do not wish to receive further issues please send a reply email with UNSUBSCRIBE in the subject line.