



# NPRF ADVISORY NOTE

Issue: 23 November 2009

## Australasian Scientific Review of Reduction of Flows on Plumbing and Drainage Systems (ASFlow)

### Purpose

The purpose of this Advisory Note is to inform industry, government agencies and consumers of the current research being conducted to investigate the reduction of wastewater flows, in particular those from sanitary plumbing fixtures, have on the performance of plumbing and drainage systems.

### Background

Significant reduction in water used by plumbing fixtures has been achieved in Australia over the past 25 years. Due to climate change, water conservation measures and on going stresses on urban water supplies, Governments are endeavouring to further reduce household and commercial water usage. Plumbing regulators from Australia and New Zealand and industry stakeholders are mindful of the effects these further reductions may have on plumbing and drainage systems as current practice is showing drainage systems are reaching their designed performance limitations.

As a result the National Plumbing Regulators Forum (NPRF) formed the Australasian Scientific Review of Reduction of Flows on Plumbing and Drainage Systems (ASFlow) Committee to conduct research into these effects and report on its findings.

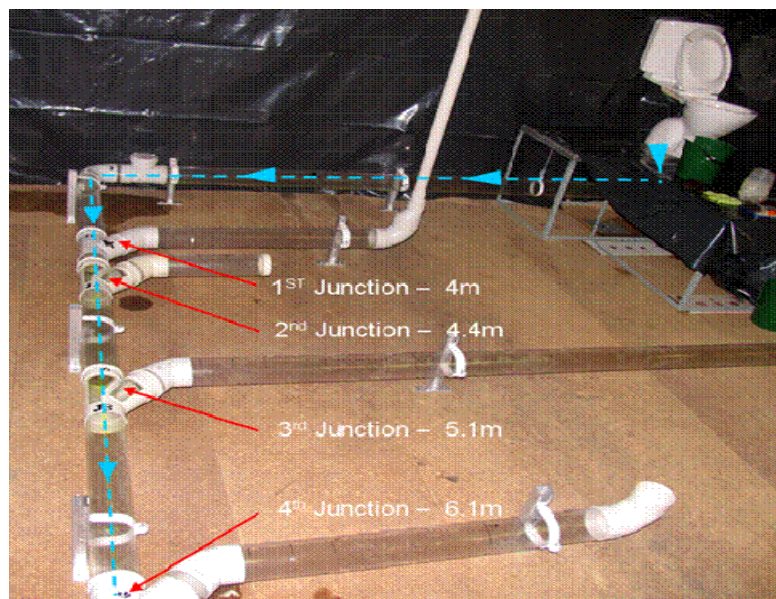
To address the effects reduced wastewater flows are having on sanitary plumbing and drainages systems the ASFlow Committee are conducting a comprehensive research study. The aim of this research is to identify methods to improve system performance and to develop technical product and installation standards for achieving this. It is anticipated that these revised technical standards will ensure current system performance levels are being maintained, while allowing new and innovative solutions to be developed.

Research partners include; Plumbing Industry Commission, IAPMO R&T Oceana, Caroma Dorf, Vinidex, Studor, Rehau, Philmac, L W Gemmell, Canberra Institute of Technology, Northern Territory University – School of plumbing and the Tasmanian Skills Institute - Claremont.

For further information contact the plumbing standards regulator in your jurisdiction.

### NPRF

<http://www.plumbingregulators.org/>



Test rig at the Canberra Institute of Technology