



Drainwave performance reports show how waterborne sewer systems can be easily protected against dry drains and other imperfections and defects of old and new infrastructure...



Information

With the ever-diminishing flow in small-bore sewers, the concern of dry drains, is of ever increasing concern, especially for us as front line Plumbing Inspectors. We and our departments will ultimately be responsible for the continual function of small bore drains and sewers as the water saving movement continues to gain momentum. It is us who will be fielding the calls from dissatisfied, irate customers, if blockages or overflows occur as a result of this problem.

It is not just the current generation of water saving technologies we have to be concerned about, we also have to look forward and ensure what we do today will still be functional, safe and efficient for future generations. Technologies such as grey water harvesting and recycling, waterless urinals, high efficiency toilets, low flow rate facets and shower heads and increasing efficient water consuming appliances will further reduce the amount of water entering the drains, thus exasperating the problem of dry drains.

We as Plumbing Inspectors are guardians of our sewerage infrastructure, not only for this generation, but for future generations. It is our responsibility to encourage and embrace any new technology that will ensure the drainage system continues to function effectively with less water. Dosing or flushing of small-bore sewers is one proven method that overcomes problems associated with low sewer flows.

One such technology available to the industry today is the Drainwave®, developed by Ducane Australia. This product enables small-bore sewers to operate effectively with much less water. Seven years in the making has seen Ducane develop the Drainwave to the product we see today. Ducane has also worked closely with industry regulators in developing standards for sewer dosing units.

Over the past two years Ducane have been installing test units in a variety of problem scenarios, from domestic dwellings to factory change house facilities. Ducane has prepared a number of performance reports that identify the pre-

existing conditions, the root cause of the problems for each site, and the application of the Drainwave. The performance of the Drainwave is tracked and recorded in each of the reports.

These performance reports are now available on the Drainwave website at
[http://www.drainwave.com.au/images/Drainwave/performance reports/01 domestic performance.pdf](http://www.drainwave.com.au/images/Drainwave/performance%20reports/01_domestic_performance.pdf)
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