

# Approved and Assured



H2O Pure Plus holds the highest water quality classification with a revolutionary natural treatment system for advanced wastewater reuse.



## Advanced Secondary Quality Effluent with Nutrient Reduction

The H2O Pure Plus® revolutionary natural wastewater treatment system for the multiple reuse of domestic and commercial recyclable water is approved by the Australian Governing bodies.

H2O Pure Plus® systems have the highest classification in the state of Queensland and possibly in Australia, which enables treated water to be used both inside and outside the dwelling or workplace.

For the first time grey water can be returned to the dwelling to be safely reused in toilets and laundry areas. This has huge ramifications for the way local government assesses residential water recycling in the future.

The approval allows treated “black” water to be used externally, with the quality of water achieved now having the potential for local councils to eradicate existing and environmentally unsound septic systems.

Along with the Australian approval, H2O Pure Plus® also has full quality assurance accreditation from international standards company SAIGlobal.

Leader in  
Wastewater Treatment & Recycling Systems.  
**H2O Pureplus® - Right as Rain!**

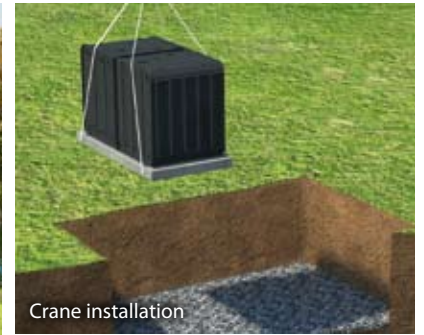


*Wastewater & Recycling  
Treatment Systems*

# Meeting the Australian Plumbing & Wastewater code's highest effluent quality benchmark



Example of system



Crane installation



Retro-fit to existing septic tank



The H2O Pure Plus® systems have been approved by Queensland's Department of Infrastructure and Planning to "Advanced Secondary Quality Effluent with Nutrient Reduction". The Approval followed 26 weeks of stringent water quality testing on three separate installations in southeast Queensland.

It is the first Greywater System to achieve a maximum hydraulic load of 10,000 litres per day with full Nutrient Reduction. In fact no other Greywater system in Queensland has achieved the Nutrient Reduction benchmark set out in the Queensland Plumbing and Wastewater Code.

High-level Nutrient concentration (primarily nitrogen and phosphorus) in waterways poses a major problem to affected water supplies, ecosystems and their supply chain constituents. Not only does this contribute to excessive plant growth and eco-decay, but also further ramifications of this human-borne phenomenon include diminished oxygen and severe reductions in water quality, fish and other animal populations.

Nitrogen/Phosphorus come from urine and detergents. The H2O Pure Plus® systems will be imperative for the installation of On-site Sewerage Facilities in declared and very sensitive "Water Catchment Areas", which supply drinking water to consumers. It is likely systems without Nutrient removal will not be permitted in Catchment Areas in the future.

H2O Pure Plus® systems represent the state of the art wastewater treatment technology with regard to nutrient removal from wastewater discharge. Their application will play a vital role in the removal of Nutrient from entering into natural waterways. H2O Pure Plus® system will reduce the environmental catastrophes from occurring and could help reverse the effects of clogged waterways already wreaking havoc on our ecosystems.

The SAPS-AWT system (Black/Greywater treated together) has achieved the full Nutrient Reduction benchmark and has the highest maximum hydraulic loading of 10,000 litres per day. No other system in Queensland with Plumbing & Building Code Chief Executive Approval can treat 3,000 litres per day with full Nutrient Removal.

For homeowners, urban planners, local governments the new State Government benchmark also allows reduced set-back distances from watercourses, gullies, dwellings, etc for the Black and Greywater purification systems

The SAPS-GWT system (Greywater) has approval to connect into internal plumbing systems e.g. toilets, washing machine cold-water tap and external hose tap. The water quality achieved also allows for the washing down of paths, car washing, washing the external part of dwelling and importantly will not be subjected to Local Authority water restrictions.

H2O Pure Plus systems can be designed for many different application requirements eg: Retro - fit models which allows usage of existing septic tanks.

All H2O Pure Plus® systems with Nutrient Removal are the only one's to also achieve the 12 monthly service capability. This means very significant long-term cost savings to property owners who are currently being forced to pay exorbitant 3-monthly service fees.

The H2O Pure Plus® systems use only one submersible pump. Most other systems have two or more pumps as well as blowers and mechanical aeration processes, all of which consume large amounts of electricity.

The H2O Pure Plus® systems do not require chlorine to disinfect the final effluent.



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