

## What Happens If I Want A Waste2Green System?

- A Preliminary Site Inspection is done to evaluate the area, any environmental & economic concerns, & to consider the treatment difficulty of the raw wastewater.
- Client liaison regarding Feasibility & Costs, then reach Agreement In Principle on how the project will proceed.
- A site-based Environmental Management Plan is prepared, as required by the EPA and other Government departments (depending on the size & state in which it's located). This considers issues such as rainfall figures, flood levels, risk management, raw wastewater assessment etc. Once accepted by the relevant legislative authority, a Licence & Approval is issued for the system, generally outlining the water quality required for the treated effluent & the required monitoring frequency.
- Technical Design documents are prepared by hydraulic & civil engineers, water biologists & chemists, & plant specialists.
- Construction, Installation & Landscaping including installation of the tanks, channels, plumbing, filter media, sand, soil, water recycling components (if necessary) & final planting & landscaping.
- SCADA (Supervisory Control & Data Acquisition) is installed to automatically manage & remotely monitor all aspects of the system. This greatly reduces the hands-on operation & maintenance by the client or agents, while allowing faults to be identified & repaired quickly.
- The system is Commissioned & becomes Operational.
- Day-to-day management is by the SCADA system but there is a 20 year Maintenance Plan. Maintenance is minimal compared to most other systems of this type & typically involves sludge removal from tanks, filter cleaning & landscaping & pruning to ensure plants flourish in the channels.

### Want to know more?

We'd be happy to speak to you over the phone or meet you on-site to discuss your potential needs & our solutions. Call or email us today & we will start you on the path toward more sustainable & smart management of your wastewater.

## INNOVATIVE & SUSTAINABLE SOLUTIONS for your waste water



For more than four decades, Reana Developments has been the trusted name behind the creation of premium quality residential communities all along Australia's Eastern Seaboard.

Although set in diverse locations from North Queensland to Sydney, these residential communities share one common thread: Reana's untiring commitment to excellence & innovation in design, construction & ongoing management.

With their extensive parklands, wide open streets, welcoming entry ways & extras like sporting fields, Reana communities offer a desirable lifestyle for people in all stages of life... a community anyone is glad to call home & where thousands of residents have enjoyed outstanding capital growth.

However, the world is changing & businesses, councils & individuals must evolve to keep pace. Always at the forefront of evolution, Reana Developments now proudly incorporates Reana Wastewater Solutions, the name you can trust for the supply, installation & management of sustainable wastewater management systems in areas not connected to trunk mains.

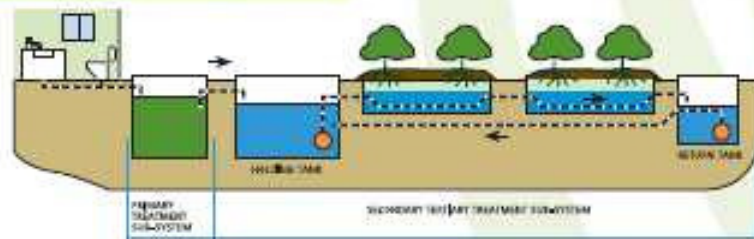
## the name you can trust

At the helm of Reana Developments is Managing Director James Read, a veteran of the property development industry who's a former NSW State President, National Director & now Life Member of the Housing Industry Association (HIA). Jim has also been active in the UDIA & myriad other business, property and community groups.

Throughout Jim's 40 year career, he's always looked at the "bigger picture" - to identify needs & potential problems for communities & the industry as a whole, rather than focusing solely on his own business.

Reana Wastewater Solutions was born when Jim identified a need for reliable & sustainable wastewater management systems in rural, remote & regional areas not connected to sewerage trunk mains. His investigations in these communities revealed schools, retirement villages, taverns & others who were limping by with sub-standard, unhygienic & unsustainable systems for treating their sewage.

Jim set about to find a better way & is now proud to introduce sewage treatment systems that will stand the test of time, safely, hygienically & for the betterment of the communities & environment in which they are created.



### Lush Green Parks & Gardens From Your Wastewater

Waste2Green is a simple yet effective on-site sewage treatment & disposal system.

It uses a mixture of biological treatment methods to treat wastewater from large sites such as schools, taverns, caravan parks, motels, child care centres, amenities blocks & decentralised housing developments which produce more than 4000L of wastewater daily (more than 20 people).

The concept is based on a system of in-ground filter beds connected by pipes in in-ground concrete pots. The only evidence above ground is the gardens / channels of extensive specially selected native/exotic shrubs, trees & bamboos.

# WASTE 2 green

### Benefits of the Waste2Green System Include:

- No offensive odours;
- No visible signs of sewage treatment;
- Plants & trees make it visually appealing;
- Greenhouse gas friendly;
- Variety of plants & trees are propagated;
- Reduces amount of land needed for treatment & disposal;
- Sealed system can be installed 10 metres from water courses;
- No leakage into groundwater;
- No runoff into waterways;
- Approved by the Environmental Protection Agency (EPA).



*A Waste2Green system has been effectively installed at this child care centre at Elimba. Although this is a new centre, it's located well away from the local authority's sewer pick-up point.*

*This tavern used an old-fashioned septic tank system but overflow ran off into the car park & neighbouring properties. Waste2Green was installed with 3 rows of tread trenches on top. The end result was an effective sewage treatment system plus a lush green corridor to offer noise protection between the neighbours & the tavern.*

