

ENVIRONMENTAL RESPONSIBILITY

Advanced Enviro-Septic System embodies our commitment to environmental protection in many ways:

- Recycling and conservation in the manufacturing process
- Installations that minimise impact to the site
- Conservation of soil and groundwater through superior passive wastewater treatment
- Utilising natural processes, requiring no energy consumption.

Advanced Enviro-Septic is a uniquely superior onsite wastewater treatment system. Onsite wastewater treatment is quickly replacing centralised treatment as the most environmentally responsible treatment available around the globe.

TESTIMONIALS

We came across AES on recommendation from a neighbour who had used this system and was suitably impressed with it. On further research and talking in detail to the AES Team about our problem we decided to convert our old tertiary system to an AES system.

Brandt & Shannon from Noosa

We installed an Advanced Enviro-Septic System in our family home south of Mackay back in 2012. We are writing a letter to say we are really happy with it. Unlike some of the chemical, mechanical treatment system that have been installed in our neighborhood, our system does not smell and does not require the regular servicing. We are careful and follow the manufactures suggestions of do's and don'ts and have not had a problem to date. Even when we had 250ml of rain in 1 night the system still functioned as intended.

Marg from Mackay

COMPARE YOUR OPTIONS

	AES Gravity System	Conventional Septic	Sand Filter	AWTS
Does not require quarterly servicing	✓	✓	✗	✗
Does not require expensive replacement parts	✓	✓	✗	✗
Does not use power	✓	✓	✗	✗
Can handle low/no flow	✓	✓	✗	✗
Can achieve secondary quality or better	✓	✗	✓	✓
Can be installed by certified local plumber	✓	✓	✗	✗
Does not suffer from progressive failure or blockage of sprinklers	✓	✗	✗	✗



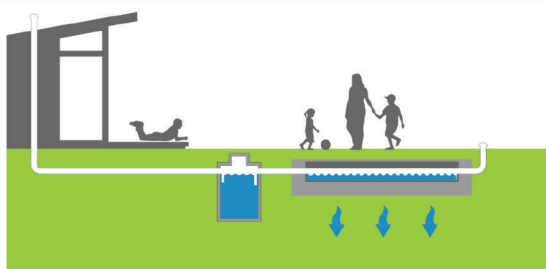
- ✓ No Power Requirements
- ✓ No Chemicals
- ✓ No Quarterly Servicing or Maintenance
- ✓ Suit Most Site and Soil Conditions
- ✓ Flexible Design Options
- ✓ Suitable For Small Lots

WHAT IS ADVANCED ENVIRO-SEPTIC (AES)?

Advanced Enviro-Septic (AES) is an innovative onsite wastewater treatment facility, that is passive, non-mechanical and does not use pressure distribution. AES utilises natural micro-biological process to purify the wastewater to a higher standard effluent.

Advanced Enviro-Septic facilities are available in both secondary and advanced secondary models. AES facility can be built as a complete new system or as a replacement for failing traditional septic trenches or Aerated Wastewater Treatment Systems (AWTS).

HOW DOES ADVANCED ENVIRO-SEPTIC WORK?



Back to the Future Wastewater Treatment

1. The wastewater (both black and grey water) leaving the house goes into the septic tank for the primary treatment (separation of solids from the liquid).
2. After the primary treatment, the wastewater enters the AES treatment facility for passive micro-biological treatment. Natural air circulation through the low and high vents increases bacterial efficiency and the system sand surrounding the pipes, wicks liquid and enables air transfer to the bacterial surface.
3. After the required treatment, effluent will now safely infiltrate into the underlying soil protecting the environment and your family.

WHY IS ADVANCED ENVIRO-SEPTIC BETTER?

The AES facility has been around for over 20 years and more than 300,000 systems have been installed worldwide. Unlike the conventional septic trench systems, Advanced Enviro-Septic treatment facility retains micro suspended solids within the pipe system and provides multiple bacterial surfaces to treat effluent prior to release into the soil. Thus, the disposal interface with the natural soil is always clean and protected, and it stops the formation of clogging layer.



COST SAVINGS

- The AES system does not have expensive air blowers, membranes and pumps that require quarterly servicing and maintenance. This could save you thousands of dollars annually.
- The AES system does not require power. This could potentially save you up to \$800 in running cost

DESIGN FLEXIBILITY

- The AES system is scalable and can be designed to suit required daily design volume.
- The AES system can be installed in most site and soil conditions.
- Design flexibility allows the use of Absorption or ETA or Mound options.
- Requires less disposal area compared to surface irrigation options.

RELIABILITY

- The AES system can handle occasional shock loads.
- No owner intervention is needed for daily operations.
- The AES system can handle low/no flow periods without needing to restart the system.

WHAT TO DO NEXT

First step is to engage with a qualified AES site and soil evaluator to perform site evaluation and wastewater design report.

You can insist that you would prefer a passive system like the Advanced Enviro-Septic rather than expensive and costly treatment plants. Remember, you have a choice on which system you would like to have.

Once the council approval has been obtained, Installation can be undertaken by an AES certified installer.

Give us a call, we are here to help you.

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