

A low cost, easy to install wastewater system

Low cost, low risk and attractive to future owners - there are many reasons why AES (Advanced Enviro-Septic) is the wastewater treatment option to consider for single dwellings, commercial installations, sub-divisions and townships.

AES is an easy to install 'back to the future' system which combines an old-fashioned septic tank with a modernised treatment/ disposal bed comprised of AES pipes laid in sand aggregate. No power, no alarms, no servicing and AES components are guaranteed to last for 20 years or more.

The advanced secondary treated effluent from an AES system easily meets NZ standards, minimising the risk of groundwater contamination and preventing the receiving soil from becoming clogged over time. The treated effluent passively infiltrates into the underlying soil, or can be



Onuku Marae installation



198K L/d AES installation

collected and used in sub-surface irrigation. The continuing good performance of the system is not dependant on homeowner intervention or regular servicing which leaves consenting authorities fewer risks to consider.

AES can be up-scaled or down-sized to suit the application. AES systems allow large variations in daily loading, and intermittent usage, and provide a quick start-up after periods of non-use – ideal for holiday homes and other intermittent waste flows. Sub-divisions can choose between a larger de-centralised AES system that services several dwellings, or

individual AES systems.

AES components are lightweight and easy to handle and transport, and can be installed under driveways – useful where space is at a premium. In



Drainlayer's holiday home in Marahau - before and after

addition, an AES bed can be retro-fitted to an existing septic tank which can avoid costly replacements when upgrading.

AES has been installed in over 400,000 sites worldwide over the past 20 years and has a well-tested and documented performance. In New Zealand, over 250 systems have been installed from Riverton to Tutukaka on sites varying from small holiday baches, residential dwellings, Department of Conservation sites, campgrounds, and marae.

Environment Technology is the nationwide distributor of AES components, providing free training to designers and installers.

For further information please visit www.et.nz or call 03 970 7979.

WASTEWATER TREATMENT

Low Cost, Easy to install No power, No Servicing

Residential
Commercial
& Large Scale

"I have been designing wastewater systems in Southland since 1978 and I have to say that the AES system is quite simply the best solution that I have come across in all that time. My clients love it because it is maintenance-free with no pumps or filters. The AES system provides secondary treatment to an extremely high level so it's very kind to the environment also. The feedback I have had from drainlayers has been positive and they find it very simple to install" Don Moir

Environmenttechnology

back to the future wastewater treatment

03 970 7979 info@et.nz www.et.nz

Test

By Ray Hedglo

Onsite wa household

Builders and d of such develc provide suffici protect the re dedicated ons commonly for overall onsite.

The On-site Ef Facility has be 2005/06 and i up to seven p one time.

Since 2008/09 Testing Facility, Water New Ze tests treatme compliance wi BOD and TSS c and provides p a range of par bacteria and p

The facility als than normal d systems cope

It is a self-func grants from te and testing fee Councils pay w

It mi

Professor Jen

Streams and r are contamina we use on the galvanising use prevent oxidat dissolved zinc rainfalls. Simil spouting relea stormwaters. T directed into t rivers, carrying contaminants organisms suc living in these

