



Environmenttechnology

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To the 100+ designers and installers all around New Zealand we would like to thank you for your ongoing hard work and support. We wish you and your families and loved ones a Happy Summer Solstice, Christmas and New Year.

Holiday Season office hours

Between 23rd December and 5th January the office will be on holiday though generally contactable. We will be checking emails and are likely to answer the phone. Conversations about wastewater cannot be confined to work hours, after all.

Annual Roundup

2016 has been a busy year for Environment Technology with the number of AES systems installed in NZ now in triple figures. AES hotspots are happening where designers and councils are on the same page – notably Invercargill, Gore, Ashburton, Tasman, Taranaki, Kapiti, and Waikato with Marlborough and Auckland looking promising.

- In the last six months the total number of installations in NZ has doubled – from 66 to 125 - which includes 7 DOC houses at Lake Waikaremoana; campgrounds at Okarito on the West Coast and in Richmond; and Onuku Marae on Banks Peninsula.
- AES received Product Certification from SAI Global in Australia (part of JAS-ANZ - the Joint Accreditation System of Australia and NZ). The StandardsMark™ advises customers and stakeholders that we have the capability to produce a product that consistently meets a specific standard. In this case Advanced Enviro-septic SMK40495: QPW:2013 - Queensland Plumbing and Wastewater Code - Part 1 - On-site wastewater management systems. More on this next year
- Resource consent has been granted for a campground system upgrade in the Auckland Region.



Number of AES systems installed in NZ =

125

Upcoming Events



Nathan Hoyle of Laser Plumbing in Gore has installed an AES system for the Southern Field Day's office at Waimumu, Gore. AES is ideal for this event as with intermittent loading situations it can self-regulate / recover with no outside intervention. Environment Technology will be attending the Golden Bay A&P Show on 16th January and the Southern Field Days at Waimumu from the 10th – 12th February. If you would like to catch up with us at either of these events, or on the way to or from, we would be happy to see you.

Onuku Marae, Banks Peninsula, November - December 2015

This is a great example of intermittent usage; up to 55,000 L/d during the Waitangi

celebrations held at Onuku every three years, and periods of low/ no use at times. Category 5 soil, a design by Lindsay Blakie of Christchurch's E2 Environmental and installation by Waterwork - Dick Lamb with his installer's cap on:



A string of septic & flow balancing tanks totalling 78,000L.



Followed by a modestly sized – 2500L/d AES bed.

Testimonials

Now that AES has been in service in NZ for over two years we are building a collection of

testimonials from homeowners, drainlayers and campground owners. If your clients would like to check them out, they are now on [our website](#)

Large AES installation in NZ in Richmond, Nelson October 2015

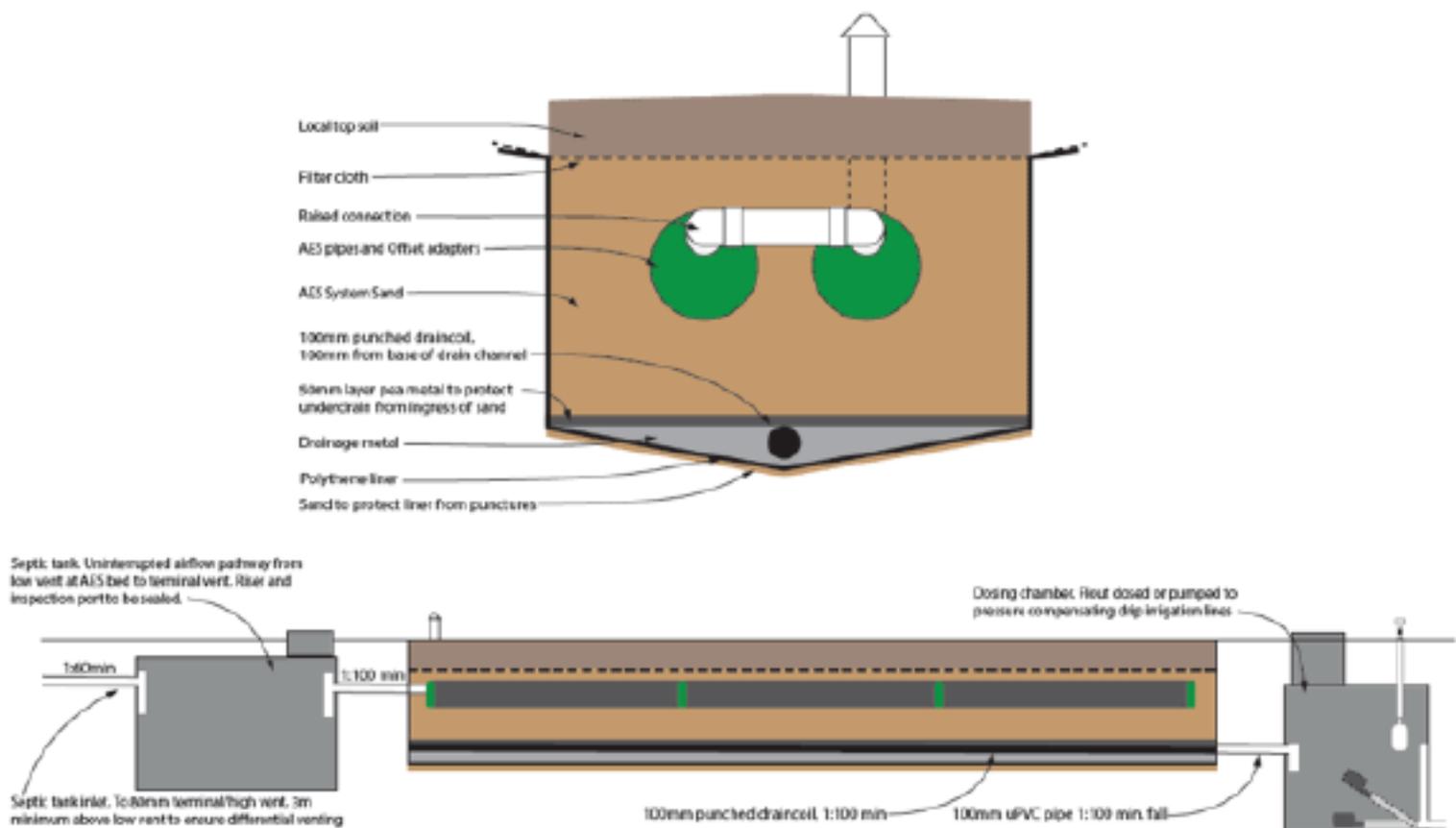


In October this year Greenwood Park Motel and Campground upgraded its wastewater system. Tuffnell Plumbing and Drainage installed an AES system sized to treat 19,000 litres per day. The system was designed by Tasman Consulting Engineers' Ron O'Hara as a replacement for a sand filter system. While AES is often installed to service single dwellings it can be up-scaled to suit. The Greenwood Park installation is the largest AES installation in NZ to date. Full story [here](#)

AES beds for treatment only – dispersal by drippers

Site conditions or owner's preference to use the wastewater for irrigation can make a dripper system the 'best practicable option'. With medium to heavy clay soils it can be more cost-effective and practical to install a small bed and dosing chamber, instead of a very large bed. AES beds can be lined and the effluent collected and dispersed through dripper lines. Estimated installed cost for a three bedroom house \$16,500 + gst. The following drawing can be downloaded [here](#)

AES Treatment Bed



OTHER NEWS OF INTEREST

Oxfam launched the Oxfam Water Challenge 2016 at Water NZ's recent conference – the Water New Zealand Board has decided to put its money where its mouth is, and take part. Is anybody else keen to take them on to raise funds for Oxfam's work in Papua New Guinea? Take part, have fun and make a difference. You could also win a trip to the Pacific as well.

Visit Oxfam's [website](#) for more information.



Back to the Future Wastewater Treatment

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