

SWWS^{NZ}

SIMPLE WASTE WATER SOLUTIONS



25/12/2014

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Simple Waste Water Solutions products have been on the market throughout New Zealand for over 10 years.

We are a council approved, full household waste water system which operates with gravity where fall is available.

Black water (toilets and kitchen sink only) and Grey water (all other facilities) are plumbed separately from your dwelling.

Black water is primary treated via the tiger worms in the Solid Waste Digester and the Grey Water is treated along with the liquid from the Digester through a series of Plant Filters. These evaporate and transpire up to 4%, per Plant Filter, per day, prior to being emitted through the irrigation field.



THE SOLID WASTE DIGESTER

The Solid Waste Digester is a Verma Composting System built from roto-moulded plastic. It has been developed over a ten year period and is well proven. All the solids from the toilet and kitchen sink are trapped on a bark filter where the worms break it down into compost.

It is specially designed with a round dispersion ball to spread solid material evenly from the centre enabling the worms to work from the dry outside, in towards the moist centre.

There is no smell and the liquid is drained into a series of plant filters for secondary treatment.

THE PLANT FILTERS

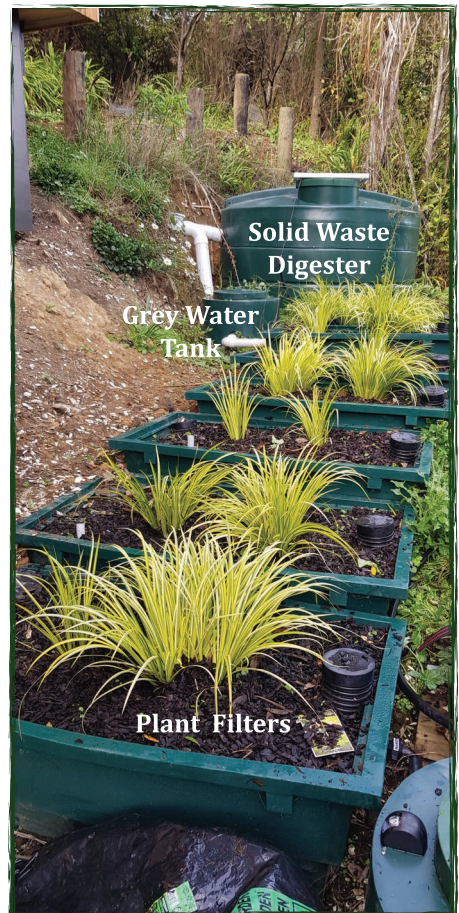
The plant filters have been designed as a method of secondary treating primary treated waste water. In the conventional on site waste water treatment systems, aeration is achieved with electric air pumps forcing air into water. This is both inefficient and expensive with mixed results.

Simple Waste Water Solutions plant filters enable the primary treated waste water to be filtered and returned to an aerobic state by using the natural process of transpiration and evaporation through plants, this is classed as secondary treatment.

The filtration medium of bark removes nitrogen and the root systems of the plants harbour good bacteria. This is all achieved in enclosed bins in a modular form so it can be added to if needed, shifted to new sites, whilst also protecting the environment.

A variety of native plants are used depending on the site. *Carex Virgata* is best for shaded areas. *Alacurus Acuta* for full sunlight, and a variety of other plants with special characteristics.

Once the plants are established there is very little maintenance with weeding and the occasional pruning. The plant filters can be connected to an existing septic tank where an existing waste water field is no longer operational.



IRRIGATION FIELD

The Irrigation Field is created after the Plant Filters. This area takes the secondary treated liquid and disperses it at 1 metre intervals above ground. The Netafirm emitters are pressure compensating and can operate at minimal head with gravity.

THE SHORT DROP

The Short Drop is another exciting development from SWWSNZ.

Ideal for remote areas, or water shortage situations, as this does not require flushing.

This composting toilet is very portable, easy to install, and is not harmful to the environment.



- Portable and practical
- No smell
- No flushing required
- No pumps required
- Eco friendly
- Cost effective



Suitable for baches, orchards, cowsheds etc.

Our Deluxe model is available with a built in water collection tank, hand basin and foot pump.

TESTIMONIALS

After much researching, we decided to install a solid waste digester verma composting system by Simple Waste Water Solutions on our Coromandel Peninsula property in 2012.

We were really excited by the system for a number of reasons. It is supporting a clean environment, extremely low maintenance and requires no power supply.

Our home is seven hours away and so we had to have a system that was going to be totally reliable and easy to manage.

Anita, the owner of SWWS came to do a maintenance check this month December 2018 and found it in perfect working order. Every part of the plant was working properly and well. This totally reinforced our initial decision to go with SWWS back in 2012.

This system has met all our expectations and more and we can thoroughly recommend it to others who want to choose an alternative waste water system. Thanks SWWS for a wonderful product and top notch service.

Jan and Roydon Day

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We are so pleased we chose to install the SWWS worm composting septic system (Not sure what the correct name is?) when we built our house three years ago. We were initially interested as the system is very eco friendly but then also found that it is considerably cheaper than other septic systems on the market.

As the name suggests it is very simple – the whole system works on gravity so there is no need for electricity to run pumps. There are no special filters or technical components that require a specialist to service every 6 months – its all so easy that any

maintenance required we do it ourselves. Basically there are no ongoing costs.

People often ask 'Does it smell?' the answer is 'Not at all we wouldn't put up with that!'

We pretty much forget that its even there. We are so pleased with the system and rave about it so much that three of our friends have installed systems as well and they are equally as chuffed as we are!

Hamish

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We did purchase a short drop toilet from Simple Waste Water Solutions approximately 3 years ago. The free standing toilet was delivered to our site at Takahoa Bay Kaipara District promptly and installed with no fuss by Coll Bell and Anita Grant.

There are no consents or permits needed for this set up. We did use this toilet on a regular basis and found the set up practical and easy to use especially the fact it collects water and stores this in a small tank to use for clean up after use and keep the worms happy, it was also used by the building team when building our garage and cottage.

When I did clean out the worm tank (after 3 years use) I collected one wheelbarrow of worms and compost and used this in our garden. The clean out process was relatively simple and NO SMELL. Also during the time the toilet was in use NO SMELL.

We did install an Simple Waste Water Solutions system in our cottage and this made our short drop toilet redundant again there was no problems and Anita Grant did buy the unit back and removed it without fuss.

We are very happy with the way Simple Waste Water Solutions looked after us and recommend this company.

J van der Linden (Hans)

We purchased a Short Drop Toilet composting system from SWWSnz (Short Drop Limited) about 4 years ago. We had done a lot of research around this kind of toilet system prior to finding Anita Grant and the Short Drop Unit.

The Short Drop composting system was simple, easy to understand and very practical for our needs. The toilet is located out in the Awhitu Peninsula close to a local church, where weddings are held occasionally. We wanted something that was going to be able to cater for anything between 1 and 30 people at various stages, depending on the occasion. It also had to be environmentally friendly and easy to manage. We also needed to have a water storage system in the area as there are no facilities on the property. To add to the list of requirements, it needed to be able to withstand the strong winds out on the peninsula, and fortunately, thanks to its design, round shape and the material it is made from, it does. So far, after 4 years, the Short Drop system has been everything we required and we haven't had to empty it yet and there has been absolutely no smell..

Anita Grant and her team are absolutely fantastic to work with. They were able to answer our endless list of questions and always happy to help. Anita came to install the Short Drop Unit and worked professionally and efficiently. We have absolutely no hesitation to recommend them and their product and would do further business with them in the future.

Antonella Coppolino and Patsy Deverall

Celebrate The Event Ltd.

After much research on the various composting toilet systems on the market, I opted for the Deluxe Short Drop unit from SWWS. Anita was fantastic to deal with from the outset and explained and answered all our questions very thoroughly. After 6 plus months since the unit was installed on Waiheke Island, there is no doubt I made the right choice. The unit was delivered on time and installed by Anita and team quickly and efficiently. There's no smell or bugs, requires minimal maintenance and looks great situated next to our weekend cabin. I thoroughly recommend going for the deluxe version, the convenience of being able to wash your hands from the harvested rainwater is fantastic.

This is a great product which will serve us well for many many years.

In addition to the Short Drop, we purchased a mini version of the full waste water system to deal with kitchen sink water and washing machine waste water for our newly constructed cabin.

Anita's expert input helped us modify the system layout during install due to site fall issues and we were really grateful when she made a second visit to Waiheke Island to fully commission the system due to building and material delays.

The system works brilliantly and the plant filters look great.

I thoroughly recommend dealing with SWWS, knowledgeable experienced operators who back their quality products.

Thanks Anita and team.

Thanks, Ben Spain

ON SITE WASTE WATER SYSTEM PRICES

Standard Waste Water System

from \$15,300 includes GST

(excluding delivery)

One Solid Waste Digester including fittings for Digester, 2 x 150 litre Tanks (includes fittings), 7 x Plant Filters (includes fittings), bark, plants and 200 metres of irrigation line (surface laid with required connections).

Suitable for a 2 to 3 bedroom dwelling.

Septic Upgrades

from \$10,800 includes GST

(excluding delivery)

Direct connection to existing septic tank.

7 x Plant Filters complete with 150 litre distribution tank (includes fittings), 200 metres of irrigation line (surface laid with required connections).



SHORT DROP PRICES

Basic Unit

\$3,601 includes GST
(excluding delivery)



Deluxe Unit

\$4,442 includes GST
(excluding delivery)

Deluxe Unit has the addition of guttering, 115 litre water collection tank, foot pump and hand basin.



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Website: swwsnz.co.nz

Yard: 166 Oldfield Road, Wellsford

Hours: 8am - 5pm / appointment required

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