

HotOff_{-THE-PRESS}

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Huggies Envirocomp Solution - world's first nappy composting plant



After much anticipation, the Envirocomp nappy (diaper) composting plant is soon to swing into action.

Envirocomp will be the first commercial nappy composting facility in New Zealand and, to the best of our knowledge, the only plant in the world able to compost all brands of disposable nappies and sanitary and incontinence products.

HotRot Organic Solutions (NZ) Ltd has designed and is supplying the core HotRot composting technology for the plant, along with the necessary shredding and handling equipment. The plant is the first commercial expansion of the 2007 Disposable Nappy (Diaper) Composting Trial.

Karen and Karl Upston, the original trialists, have been working on a commercialisation plan since the successful conclusion of the trial. The plant will be owned and operated by Envirocomp Ltd (www.envirocomp.co.nz), a private company formed by the Upstons in collaboration with Kimberly-Clark (NZ) Ltd, the manufacturers of Huggies Nappies, and with support from local investors and the Hurunui District Council.

Many of the plant's key components have already been built, with onsite construction beginning next week and initial operation programmed to commence in September this year.



'Getting to this point has taken a lot longer than we originally anticipated,' admits Karen Upston, 'but we have gone through a very robust market and business investigation process. We have identified and accepted a number of committed, long term shareholders, and had tremendous support from our local council. In fact the biggest issue has been convincing mothers and organisations with nappies that we are not yet ready to compost – the demand for the composting plant is constantly growing.'

We will keep you up to date with this exciting initiative via our newsletters, or you can visit the Envirocomp website.

Left: HotRot 1811 – a similar model HotRot will be nappy composting soon

Biggest HotRot unit on the move

The 3518 is the largest HotRot model and is constructed of precast concrete. The first of these has been operating at the Christchurch City Council's Bromley Wastewater Treatment Plant since 2003 composting sewage grit and screenings. Recently, proposed redevelopment at the plant caused the Council to rethink the way the waste is managed. As a result HotRot Organic Solutions purchased, dismantled and transported the unit to another site, with a view to reassembling it and resuming the processing of this waste stream under contract in the near future.

Dismantling the unit provided us with a unique opportunity to assess its condition. The City Council have run the unit at a somewhat higher duty cycle than normal.



Above: HotRot 3518 – on the move

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As a consequence of this, we estimate the machine to have done the equivalent of around 10 years' work under a more typical regime.

Observations included:

- The concrete hull structure was in excellent condition with only minor wear.
- No mechanical issues were encountered in disassembly. Bearings were in good order.
- Shaft wear was very minor and within the expected

wear allowance, which is an excellent result given the age of the shaft.

- Some tines were well worn, but this would be expected for the amount of work they have done.

Decommissioning the plant went extremely smoothly, meaning that reconstruction should also present few problems. We are currently seeking consents for the new site and hope to be operating the unit in 2010.

Introducing our suppliers – Brevini New Zealand



Above: A Brevini gearbox and motor awaiting installation on a HotRot 1811

Since the production of our very first unit, all of our HotRot motors and gearboxes have been supplied by Brevini New Zealand. One of the dominant players in the power transmission and hydraulic industry both in this country and globally, Brevini have consistently supplied us with top quality components backed up by excellent post sales support.

The company was founded in 1960 in the Italian town of Reggio Emilia by three brothers of the Brevini family. The company currently has manufacturing plants in Italy, Germany, China and the USA plus a large network of subsidiaries in all the major industrial countries, all offering the same high standard of competitive price/performance ratio, design flexibility and product reliability.

Industrial applications include rendering, bulk materials handling, mining and quarry equipment, food processing, forestry and many marine applications. Brevini technology is also utilised in a number of 'green' applications such as shredding, compacting, composting, aerating, waste water treatment, hydro energy and wind energy.

Like its parent company, Brevini New Zealand is a family business. Established in 1991, the company is based in East Tamaki, Auckland, with offices in other centres. Head office is home to a team of experienced engineers who design, assemble and test a diverse range of both standard and custom hydraulic and power transmission products.

'We are unique in the New Zealand market in being able to offer an unbiased opinion as to a suitable drive solution,' says sales engineer Arjen van Helsdingen. 'Brevini New Zealand is proud to be associated with a globally recognized product such as HotRot.'

Domain name

You will remember from the last issue of HotOff the Press that the company has recently undergone a change of name in line with our new branding as HotRot Organic Solutions. After a number of years of trading within New Zealand and Australia as R5 Solutions (NZ) Ltd and internationally as HotRot Exports Ltd, we have brought our company identity back into line with the HotRot brand. After all, the HotRot technology is what we are best known for worldwide, and we want our clients and supporters to see that name reflected in our branding.

In line with this change, we have looked at the number of internet domain names we have been using, and have decided to settle on hotrotsolutions.com.

This means you can access our website at www.hotrotsolutions.com and contact us via our main email address at info@hotrotsolutions.com

Email addresses for individual team members will follow the same format.

Go to our website to see where the HotRot team will be next ... <http://www.hotrotsolutions.com>

GROWTH FROM WASTE

Unsubscribing

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