

Project No:
File No:

The Marketing Manager
R5 Solutions (NZ) Ltd
PO Box 4442
CHRISTCHURCH

11 August 2006

Dear Peter

RE: HOTROT COMPOSTING - WASTEWATER TREATMENT PLANT PALMERSTON NORTH

The Wastewater Treatment Plant, Totara Road, Palmerston North has been operating a Hotrot Composting Plant for the last six years. The primary purpose of the composter is to stabilise or compost our primary screenings to a safe state where they can be reused as a bio solid, this also obtains a volume reduction.

The Composter is located in the treatment plant grounds and its location is 150m from the nearest residential property. When we first installed this piece of the plant, we operated it for approximately four years with no odour control, during that period we received no odour complaints or calls from residential properties about any concerns.

In the last two years we have fitted a small bio-filter about two cubic metres in size as a precautionary measure due to new trials we were carrying out, where we were composting dewatered sludge cake and green waste with our screenings. The bio-filter is made up of bark nuggets and has not needed to be changed in that time. This trial has been very helpful in where we as an operation may head in the future with establishment of our sludge disposal process.

As a note operational wise, the composter has run for six years with no operational problems, it requires one hour per month for maintenance purposes. With its slow operational speed it has very little wear on any bearings or moving parts, the only wear we have noticed in that period is to the wear shoes fixed at the end of the tines.

If you have a customer that reads the above, I am more than happy to have them phone me on (06) 356 8199 or 027 288 7936 to discuss the operation or they are very welcome to visit the plant and see first hand the operation.

Yours sincerely



Bruce Peck
UTILITIES MANAGER
PALMERSTON NORTH CITY COUNCIL
NEW ZEALAND