

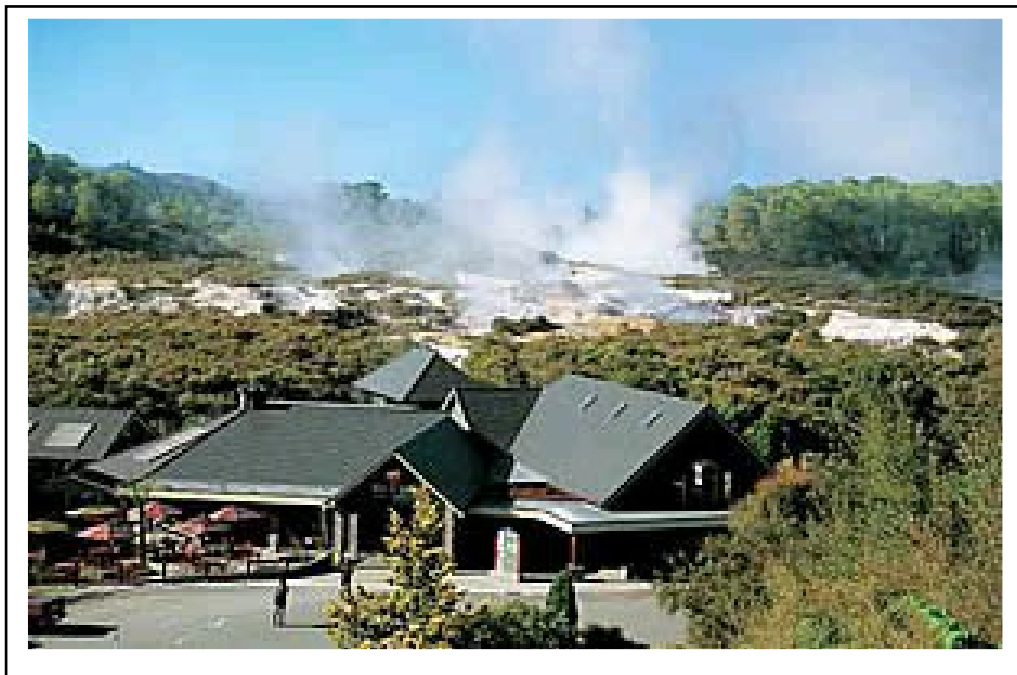


# WASTEWATER MANAGEMENT – CASE STUDY

## Wai O Tapu Public Toilets

The name Wai O Tapu means – Sacred Waters. This wonderland can be located 27 kilometres (20 minutes drive) south of Rotorua on SH5, the gateway to New Zealand's most colourful natural volcanic environment.. In 1931 the Wai-O-Tapu thermal area became a Scenic Reserve which is now administered by the Department of Conservation with part subsequently being occupied by way of what is known as a concession. The role of protecting the natural beauty is taken seriously.

The Rotorua District Council required an onsite wastewater treatment system that not only treated the effluent to a high standard but removed the nitrogen to a point that the resulting water would not have any adverse effects on the surrounding environment.



**Figure 1. – Wai O Tapu Thermal Wonderland**

Using the set criteria Innoflow Technologies NZ Ltd (ITNZL) produced a wastewater management solution that met with the Department of Conservation and the Rotorua District Council's high expectations and strict requirements.

The wastewater system provided includes

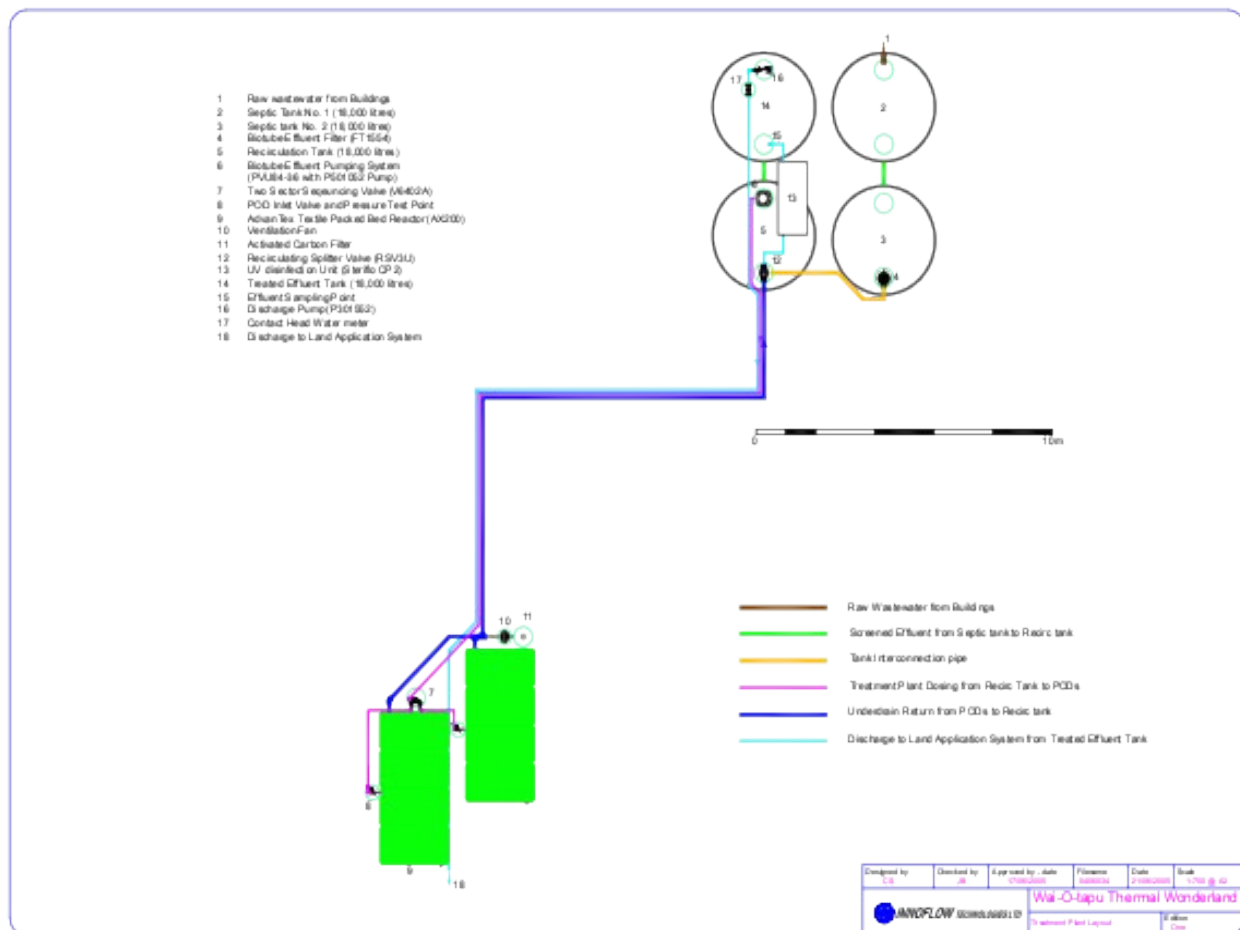


**Figure 2. Photo showing the rtPBR treatment tanks**



**Figure 3. Photo showing the rtPBR treatment system.**





**Figure 4 – Wai O Tapu Wastewater System layout**