

CONSENT MONITORING REPORT



Your Community Partner

Consent Name	Matangi Wastewater Treatment System
Consent No.	105551
Year	1 July 2010 – 30 June 2011
Date	26 September 2011
File No.	55 06 13M / USV03

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Matangi Wastewater Treatment System 1 July 2010 – 30 June 2011

The Waikato District Council holds resource consent to discharge up to 52 cubic metres of treated sewage effluent per day to ground from the Matangi wastewater treatment system. The consent has an expiry date of 30 September 2021.

The plant flows were non-compliant through the reporting period. Maximum discharge flows were exceeded regularly.

- The Median averaged daily out flow was 45.7 cubic metres per day over the total reporting period up from the previous 43.1 m³/day.
- The Maximum average recorded daily flow total was 129 m³/day in Sept 2010.
- The 90th Percentile average daily flow was 111.4 m³/day, up from 58.7 m³/day.

Daily flows are calculated from manual readings of the totaliser during regular site visits. As this is not calculated daily it may not accurately report the daily peaks.

The flow meters are mechanical and periodically subject to organic blockage and wear. New Magflow meters were installed in April 2011 but not powered until July 2011 and will be connected to the telemetry recording system so that daily totals will be recorded and causes of high flow can be better assessed.

Considerable work was done to identify sources of stormwater infiltration. Fixes have been made where necessary.

Overall nutrient removal for the reporting period July 2010 – June 2011 showed continued good overall treatment performance as a consequence of investments and improvements since 2007.

Total Nitrogen was 704 kg/yr (using average flow and average concentration) for the 2010-2011 period. This represents an application rate of 6702 kg/Ha yr.

A comparison of the current period nutrient results for the three sampling bores versus the results for 2008-09 and 2009-10 shows little change in ground water quality results.

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GENERAL MANAGER
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