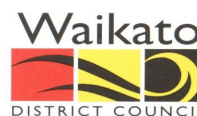


CONSENT MONITORING REPORT



Your Community Partner

Consent Name	Maramarua Wastewater Treatment System
Consent No.	101961
Year	2009-10
Date	6 September 2010
File No.	55 06 22M / USV03

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REPORT/COMMENTS

Maramarua Wastewater Treatment System

The Waikato District Council holds resource consent to discharge up to 6 cubic metres of treated sewage effluent per day to ground from the Maramarua wastewater treatment system. The consent was issued on 2 March 2000 and has an expiry date of 1 December 2014.

A reduction in treated quantity of the discharged wastewater has been shown for the 2009-2010 reporting period. The treated quality has remained in line with the previous period.

At the end of the previous period the septic tank pre-treatment mechanicals were improved. In order to reduce infiltration in the old septic tanks and provide better pre-treatment performance, a project was started at the end of the previous reporting period to replace the two existing 3.3m³ volume septic tanks with a new 22.5m³ tank. The septage pump vault was also modified to reduce the carry over of solids from the pump to the septic tank. A secondary screen was installed in the new septic tank to minimise solids carry through. The new septic tank arrangement reduced daily flows as hoped and less groundwater infiltration occurred.

The consented discharge volume was still exceeded several times in Winter 2009 due to wet weather. However the flow exceedence volumes are significantly reduced from the previous period. The average maximum in this reporting period is 7.4m³/day; in the previous period it was 15.9m³/day.

At the end of this reporting period a project was started to replace the existing flow meters with magnetic flow meters that, combined with SCADA improvements, will permit the recording of daily discharge rates so that the consent requirement to not exceed 6m³/day can be better reported. The online flow monitoring will also permit faster response to pump problems that might otherwise degrade system performance if not promptly identified.

Overall the Maramarua Wastewater Treatment Plant operations and performance have improved on the previous period.

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H Cameron
PLANTS ENGINEER

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R J Bax
GENERAL MANAGER
WATER & FACILITIES