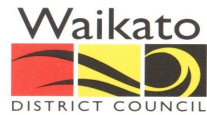


CONSENT MONITORING REPORT



Your Community Partner

Consent Name	Huntly Wastewater Treatment System
Consent No.	951126
Year	2007-08
Date	22 October 2008
File No.	55 06 29M

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REPORT/COMMENTS

Huntly Wastewater Sewage Treatment Discharge 2007-08

Resource consent 951126 authorises the Waikato District Council to discharge up to 6000 cubic metres per day of treated domestic wastewater from the Huntly oxidation pond and wetland system to the Waikato river. The application for the current consent was made in 1995 and expires on 30th September 2009.

The Huntly sewage wastewater treatment system generally showed a further decrease in environmental performance during the 2007-08 year, when compared to that of the 2006-07. An ongoing sampling programme has indicated that environmental compliance with the water quality parameters in the discharge was achieved in only one from seven parameters. The non-compliances associated with the consent included:

- The level of suspended solids in the final discharge continued to exceed the levels in the consent conditions. Non-compliant SS. The 90th Percentile value was 86.1 g/m³. Minimum 15 g/m³, Mean 48.3 g/m³, median value for the 2007-08 year was 41.5 g/m³. Maximum recorded value was 89 g/m³.
- Non-compliant Dissolved Reactive Phosphorous. The 90th Percentile value was 10.8 g/m³. Minimum 3.63 g/m³, Mean 6.9 g/m³, median value for the 2007-08 year was 6.6 g/m³. Maximum recorded value was 11 g/m³.
- Partial-compliance NH₄-N. The 90th Percentile value was 12.8 g/m³. Minimum 1.26 g/m³, Mean 6.8 g/m³, median value for the 2007-08 year was 6.46 g/m³. Maximum recorded value was 14 g/m³.
- Non-compliant Faecal Coliforms. The 90th Percentile value was 13340. Minimum 210, Mean 24130, median value for the 2007-08 year was 2550 MPN per 100mL. Maximum recorded value was 250000. This value was two orders of magnitude higher than the trend, large numbers of wildfowl were present in the wetland through the summer period and the results may reflect this.
- Non-compliant BOD. The 90th Percentile value was 21.8 g/m³. Minimum 8 g/m³, Mean 17.3 g/m³, median value for the 2007-08 year was 13.5 g/m³. Maximum recorded value was 47 g/m³ 27th May 08. This value was anomalous and does not fit

the trend, it may have been the sample picked up material from birdlife. Another test on 6th May 08 was only 16 g/m³

- Quarterly samplings for zinc, iron, and PCB's to characterise the effects of landfill leachate were not fully taken during 2007-08. Those taken however indicate very low levels for concern

A significant upgrade project for the Huntly wastewater treatment ponds has been approved by Council in September 2007 and work is now underway.

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H Cameron
Plants Engineer

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R J Bax
Community Assets Group Manager